PROJECT

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

CONTACTS

OWNER
Leland Hampton Ventures, LLC
2601 Iron Gate Drive Suite 201
Wilmington, NC 28412
Contact: Gale Wallace
E-Mail: gale@clarendonnc.com
Phone: (910) 256 2672

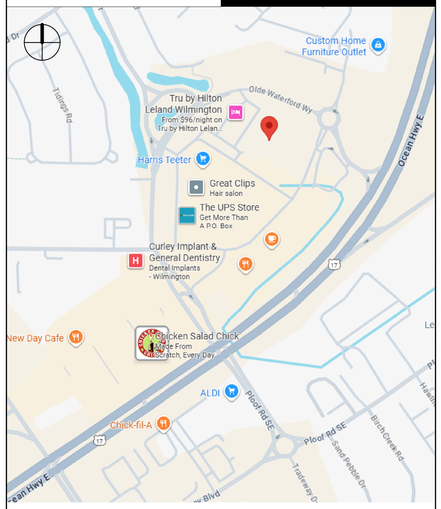
ARCHITECT
Olive Architecture
436 N. Harrington St. Suite 140
Raleigh, NC 27603
E-Mail: ---@Olive-Arch.com
Phone: (919) 838-9934
Fax: (919) 838-9995

CIVIL
Blue Ridge Engineering
924 Main Street - Suite 200 North
Wilkesboro, NC 28956
Contact: Devin Staley
E-Mail: www.ridge.blue
Phone: (336) 838 2500
Fax:

STRUCTURAL
Wescott Structures, PA
9400 Phelps Rd. Suite 200 Mount Pleasant, NC 28124
Contact: Rebecca S wescott
E-Mail: admin@ wescottstructures.com
Phone: (704) 921 0504
Fax:

PME, FA
Allied Engineers
709 E Catawba St. Belmont, NC 28012
Contact: E Dean Belk
E-Mail: dbelk@allied-engineers.com
Phone: (704) 399 3943
Fax:

VICINITY MAP



DRAWING INDEX

GENERAL		A111	FIRST FLOOR (FRAMING PLAN)	A410	ENLARGED ACC. GUESTROOM BATHS	S205	3RD & 4TH FLOOR FRAMING PLANS - AREA A	E101	FIRST AND SECOND FLOOR LIGHTING PLANS
G000	COVER SHEET	A112	FIRST FLOOR PLAN (A)	A411	GUESTROOM BATHROOM VANITY DETAILS	S206	3RD & 4TH FLOOR FRAMING PLANS - AREA B	E102	THIRD AND FOURTH FLOOR LIGHTING PLANS
G001	CODE SUMMARY	A113	FIRST FLOOR PLAN (B)	A412	GUESTROOM STUDIO SUITE DETAILS	S207	ROOF FRAMING PLAN - AREA A	E201	FIRST AND SECOND FLOOR POWER PLANS
G100	SPECIFICATIONS	A114	FIRST FLOOR RCP (A)	A413	GUESTROOM STUDIO SUITE DETAILS	S208	ROOF FRAMING PLAN - AREA B	E202	THIRD AND FOURTH FLOOR POWER PLANS
G101	SPECIFICATIONS	A115	FIRST FLOOR RCP (B)	A440	ENLARGED PUBLIC AREA	S300	TYPICAL FOUNDATION SECTIONS	E203	ROOF POWER PLAN
G102	SPECIFICATIONS	A120	SECOND FLOOR (OVERALL PLAN)	A441	ENLARGED LOBBY FURNITURE	S301	FOUNDATION SECTIONS	E301	ENLARGED GUEST ROOM ELECTRICAL PLANS
G103	SPECIFICATIONS	A121	SECOND FLOOR (FRAMING PLAN)	A442	ENLARGED LOBBY RCP	S400	TYPICAL FRAMING SECTIONS	E302	ENLARGED PARTIAL FIRST FLOOR COMMON AREA POWER PLAN
G104	ABBREVIATIONS	A122	SECOND FLOOR PLAN (A)	A443	ENLARGED PANTRY	S401	FRAMING SECTIONS	E303	ENLARGED PARTIAL FIRST FLOOR COMMON AREA POWER PLAN
G105	ABBREVIATIONS	A123	SECOND FLOOR PLAN (B)	A444	ENLARGED FITNESS	PLUMBING		E304	ENLARGED POOL AREA ELECTRICAL PLAN
G200	LIFE SAFETY	A124	SECOND FLOOR RCP (A)&(B)	A445	ENLARGED FLEX ROOM	P010	PLUMBING NOTES AND LEGEND	E401	POWER RISER DIAGRAM
G201	LIFE SAFETY	A130	THIRD FLOOR (OVERALL PLAN)	A446	ENLARGED EMPLOYEE BREAK ROOM	P020	PLUMBING SCHEDULES	E402	TELE/DATA AND CATV RISER DIAGRAM
G202	LIFE SAFETY - SECTION	A131	THIRD FLOOR (FRAMING PLAN)	A447	ENLARGED LAUNDRY	P030	PLUMBING DETAILS	E501	PANEL SCHEDULES
G300	WALL TYPES	A132	THIRD FLOOR PLAN (A)&(B)	A448	ENLARGED GUEST LAUNDRY	P040	PLUMBING DETAILS	E502	PANEL SCHEDULES
G301	WALL TYPES	A133	THIRD FLOOR RCP (A)&(B)	A449	ENLARGED PUBLIC RESTROOMS	P110	PLUMBING FIRST FLOOR PLAN - WASTE, VENT AND STORM	E503	PANEL SCHEDULES
G400	UL DETAILS	A140	FOURTH FLOOR (OVERALL PLAN)	A450	ENLARGED MEETING ROOM	P111	PLUMBING FIRST FLOOR PLAN - WASTE, VENT AND STORM	E504	PANEL SCHEDULES
G401	UL DETAILS	A141	FOURTH FLOOR (FRAMING PLAN)	A452	ENLARGED RECEPTION DESK	P120	PLUMBING SECOND FLOOR PLAN	FIRE ALARM	
G402	UL DETAILS	A142	FOURTH FLOOR PLAN (A)&(B)	A453	ENLARGED RECEPTION DESK SECTIONS	P130	PLUMBING THIRD FLOOR PLAN	FA001	FIRE ALARM SPECIFICATIONS, DETAILS, AND SYMBOLS
G403	UL DETAILS	A143	FOURTH FLOOR RCP (A)&(B)	A454	ENLARGED RECEPTION DESK ACCENT WALL	P140	PLUMBING FOURTH FLOOR PLAN	FA101	FIRST AND SECOND FLOOR FIRE ALARM PLANS
G404	UL DETAILS	A150	ROOF PLAN	A455	ENLARGED HOSPITALITY STATION	P150	PLUMBING ROOF PLAN	FA102	THIRD AND FOURTH FLOO FIRE ALARM PLANS
G411	TPO ROOFING DETAILS	A200	BUILDING ELEVATIONS	A456	INTERIOR ELEVATIONS	P210	PLUMBING GUESTROOM PLANS	FA103	ROOF FIRE ALARM PLAN
G412	TPO ROOFING DETAILS	A201	BUILDING ELEVATIONS	A457	MILLWORK - SECTIONS	P310	PLUMBING RISER DIAGRAMS	FIRE PROTECTION	
G413	EIFS DETAILS	A202	BUILDING ELEVATIONS	A458	MILLWORK - SECTIONS	MECHANICAL		FP010	FIRE PROTECTION NOTES, LEGEND AND DETAILS
G414	EIFS DETAILS	A203	BUILDING ELEVATIONS	A600	DOOR SCHEDULE	M001	MECHANICAL SPECIFICATIONS	FP110	FIRE PROTECTION FIRST FLOOR AND GUESTROOM PLANS
G415	EIFS DETAILS	A204	ENLARGED EXTERIOR ELEVATIONS	A601	DOOR HARDWARE SCHEDULE	M002	MECHANICAL SCHEDULES	FP120	FIRE PROTECTION SECOND FLOOR PLAN
G500	ACOUSTIC DETAILS	A205	ENLARGED EXTERIOR ELEVATIONS	A602	THRESHOLD & TRANSITION DETAILS	M003	MECHANICAL DETAILS	FP130	FIRE PROTECTION THIRD FLOOR PLAN
G501	ACOUSTIC DETAILS	A300	BUILDING SECTIONS	A610	WINDOW/STOREFRONT SCHEDULE	M004	MECHANICAL DETAILS	FP140	FIRE PROTECTION FOURTH FLOOR PLAN
G600	TOILET ACCESSORIES	A310	WALL SECTIONS	A620	FINISH SCHEDULE	M005	VENTILATION CALCS.		
G601	TOILET ACCESSORIES	A311	WALL SECTIONS	A700	STAIR DETAILS	M101	MECHANICAL 1ST FLOOR PLANS - A & B		
G602	TYPICAL MOUNTING HEIGHTS & LOCATIONS	A320	SECTION DETAILS	A701	STAIR DETAILS	M102	MECHANICAL 2ND FLOOR PLANS - A & B		
G603	TYPICAL MOUNTING HEIGHTS & LOCATIONS	A321	SECTION DETAILS	A710	ELEVATOR & CHUTE DETAILS	M103	MECHANICAL 3RD FLOOR PLANS - A & B		
CIVIL		A330	LIGHT COVE DETAILS	A801	PORTE COCHERE PLAN & DETAILS	M104	MECHANICAL 4TH FLOOR PLANS - A & B		
C-1 - 14	(CIVIL PLANS INCLUDED FOR REFERENCE)	A400	ENLARGED KING	A900	PERSPECTIVES	M201	MECHANICAL ROOF PLANS - A & B		
ARCHITECTURAL		A401	ENLARGED ACC. KING	STRUCTURAL		M301	MECHANICAL ENLARGED GUESTROOM PLANS		
A100	SITE PLAN	A402	ENLARGED KING STUDIO SUITE	S100	STRUCTURAL GENERAL NOTES	ELECTRICAL			
A101	SITE PLAN DETAILS	A403	ENLARGED ACC. KING STUDIO SUITE	S101	SCHEDULES	E001	ELECTRICAL SPECIFICATIONS AND SYMBOLS		
A102	SITE DETAILS	A404	ENLARGED DOUBLE QUEEN	S201	FOUNDATION PLAN - AREA A	E002	ELECTRICAL SCHEDULES AND DETAILS		
A103	POOL DETAILS	A405	ENLARGED ACC. DOUBLE QUEEN	S202	FOUNDATION PLAN - AREA B	E003	ELECTRICAL DETAILS		
A104	POOL DETAILS	A408	ENLARGED TYP. GUESTROOM BATHS	S203	2ND FLOOR FRAMING PLAN - AREA A	E004	ELECTRICAL FIRE PENETRATION DETAILS		
A110	FIRST FLOOR (OVERALL PLAN)	A409	ENLARGED TYP. GUESTROOM BATHS	S204	2ND FLOORING FRAMING PLAN - AREA B	E100	ELECTRICAL SITE PLAN		

NARRATIVE

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
12.09.25

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Permit Set	12/09/2025

revisions:

Revision	Date	Description

drawn by: KKJ
checked by: FTM
project no: 25-104

COVER SHEET

G000

9/18/2026 10:33:59 AM

CODE SUMMARY

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: HAMPTON INN & SUITES
Address: OLD WATERFORD WAY Zip Code 28451
Owner/Authorized Agent: F.MURPHY Phone # (919) 838 - 9934 E-Mail tom@olive-arch.com
Owned By: ■ City/County ☐ Private ☐ State
Code Enforcement Jurisdiction: ☐ City_____ ☐ County_____ ☐ State

CONTACT:

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	OLIVE ARCHITECTURE	F.TOM MURPHY	5249	(919) 838 9934	tom@olive-arch.com
Civil	BLUE RIDGE ENGINEERING	DEVIN STALEY	35010	(336) 838 2500	www.ridge.blue
Electrical	ALLIED CONSULTING ENGINEERS	E. DEAN BELK	20607	(704) 399 3943	www.allied-engineers.com
Fire Alarm	ALLIED CONSULTING ENGINEERS	E. DEAN BELK	20607	(704) 399 3943	www.allied-engineers.com
Plumbing	ALLIED CONSULTING ENGINEERS	J DAVID HOOD	030549	(704) 399 3943	www.allied-engineers.com
Mechanical	ALLIED CONSULTING ENGINEERS	J DAVID HOOD	030549	(704) 399 3943	www.allied-engineers.com
Sprinkler-Standpipe				( )	
Structural	WESCOTT STRUCTURES, PA	REBECCA S WESCOTT	25366	(704) 921 0504	admin@wescottstructures.com
Retaining Walls >5' High				( )	
Other				( )	

("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: ■ New Building ☐ Addition ☐ Renovation
☐ 1st Time Interior Completion
☐ Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements
☐ Phased Construction - Shell/Core- Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE: EXISTING: ☐ Prescriptive ☐ Repair ☐ Chapter 14
Alteration: ☐ Level I ☐ Level II ☐ Level III
☐ Historic Property ☐ Change of Use

CONSTRUCTED: (date) _____ **CURRENT OCCUPANCY(S)** (Ch. 3): _____
RENOVATED: (date) _____ **PROPOSED OCCUPANCY(S)** (Ch. 3): _____

OCCUPANCY CATEGORY (Table 1604.5): **Current:** ☐ I ☐ II ☐ III ☐ IV
Proposed: ☐ I ■ II ☐ III ☐ IV

BASIC BUILDING DATA
Construction Type: ☐ I-A ☐ II-A ☐ III-A ☐ IV ■ V-A
(check all that apply) ☐ I-B ☐ II-B ☐ III-B ☐ V-B
Sprinklers: ☐ No ☐ Partial ■ Yes ■ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ☐ No ■ Yes Class ■ I ☐ II ☐ III ■ Wet ☐ Dry
Fire District: ■ No ☐ Yes **Flood Hazard Area:** ■ No ☐ Yes
Special Inspections Required: ■ No ☐ Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

Gross Building Area Table

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
8th Floor			
7th Floor			
6th Floor			
5th Floor			
4th Floor		14,562 SQ FT	
3rd Floor		14,562 SQ FT	
2nd Floor		14,562 SQ FT	
1st Floor		15,342 SQ FT	
Basement			
TOTAL		59,028 SQ FT	

ALLOWABLE AREA

Primary Occupancy Classification(s): Select one Select one Select one Select one Select one Select one
Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ☐
Educational ☐
Factory ☐ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 Condition ☐ 1 ☐ 2
☐ I-2 Condition ☐ 1 ☐ 2
☐ I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ I-4
Mercantile ☐
Residential ■ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐
Accessory Occupancy Classification(s): _____
Incidental Uses (Table 509): _____
Special Uses (Chapter 4 – List Code Sections): _____
Special Provisions: (Chapter 5 – List Code Sections): _____
Mixed Occupancy: ■ No ☐ Yes Separation: _____ Hr. Exception: _____

■ Non-Separated Use (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

☐ Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

$$____ + ____ + \ldots\ldots = ____ \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,3]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3]
1	R.1		48,000	36,000	84,000
1	B		57,000	42,750	99,750
1	A.2		28,500	21,375	49,875
2	R.1		48,000	36,000	84,000
3	R.1		48,000	36,000	84,000
4	R.1		48,000	36,000	84,000

[1] Frontage area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
b. Total Building Perimeter = _____ (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ (W)
e. Percent of frontage increase $I_f = 100[F/P - 0.25] \times W/30$ = _____ (%)

[2] Unlimited area applicable under conditions of Section 507.
[3] Maximum Building Area = total number of stories in the building x D (maximum3 stories) (506.2).
[4] The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.
[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)			
Building Height in Stories (Table 504.4)			

[1] Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ * REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses		1 HR.	1 HR.	G400	X528	G401	
Bearing Walls	>30						
Exterior		1 HR.	1 HR.	G402	U305	G401	
North							
East							
West							
South							
Interior							
Nonbearing Walls and Partitions	>30						
Exterior walls							
North							
East							
West							
South							
Interior walls and partitions							
Floor Construction Including supporting beams and joists		1 HR.	1 HR.	G402	FC 5406	G401	
Floor Ceiling Assembly		1 HR.	1 HR.	G402	FC 5406	G401	
Columns Supporting Floors							
Roof Construction, including supporting beams and joists		1 HR.	1 HR.	G402	FC 2601	G401	
Roof Ceiling Assembly		1 HR.	1 HR.	G402	FC 2601	G401	
Columns Supporting Roof							
Shaft Enclosures - Exit		2 HR.	2 HR.	G400	U905	G403	
Shaft Enclosures - Other							
Corridor Separation		.5 HR	1 HR.	G402	U311	G401	
Occupancy/Fire Barrier Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition							
Tenant/Dwelling Unit/ Sleeping Unit Separation		1 HR	1 HR.	G402	U305	G403	
Incidental Use Separation							

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☐ No ■ Yes
Exit Signs: ☐ No ■ Yes
Fire Alarm: ☐ No ■ Yes
Smoke Detection Systems: ☐ No ■ Yes ☐ Partial _____
Panic Hardware: ☐ No ■ Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: G200 & G201

■ Fire and/or smoke rated wall locations (Chapter 7)
■ Assumed and real property line locations (if not on the site plan)
■ Exterior wall opening area with respect to distance to assumed property lines (705.8)
■ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
■ Occupant loads for each area
■ Exit access travel distances (1017)
■ Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
■ Dead end lengths (1020.4)
☐ Clear exit widths for each exit door
■ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
■ Actual occupant load for each exit door
■ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
■ Location of doors with panic hardware (1010.1.10)
☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
☐ Location of doors equipped with hold-open devices
☐ Location of emergency escape windows (1030)
☐ The square footage of each fire area (202)
☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
☐ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS
(SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
109	7	7	7	7			7

ACCESSIBLE PARKING
(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE	
TOTAL						

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE		WATERCLOSETS			URINALS	LAVATORIES			SHOWERS /TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX		REGULAR	ACCESSIBLE
SPACE	EXIST'G										
	NEW										
	REQ'D										

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

_____

_____

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: ■ No ☐ Yes (The remainder of this section is not applicable)

Exempt Building: ■ No ☐ Yes (Provide code or statutory reference): _____

Climate Zone: ■ 3A ☐ 4A ☐ 5A

Method of Compliance: Energy Code ☐ Performance ■ Prescriptive
ASHRAE 90.1 ☐ Performance ☐ Prescriptive
(If "Other" specify source here)_____

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly)
Description of assembly: TPO o/ SHAPED EPS BD. o/WD. FRMG
U-Value of total assembly: .03
R-Value of insulation: R30 AVG
Skylights in each assembly: N/A
U-Value of skylight: N/A
total square footage of skylights in each assembly: N/A

Exterior Walls (each assembly)
Description of assembly: EPS o/WD. STUDS w/R19 FRMG
U-Value of total assembly: .04
R-Value of insulation: R29
Openings (windows or doors with glazing)
U-Value of assembly: .45
Solar heat gain coefficient: .25 SHGC
projection factor: 0
Door R-Values: R8

Walls below grade (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____

Floors over unconditioned space (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____

Floors slab on grade
Description of assembly: CONC. SLAB o/6" BASE
U-Value of total assembly: .08
R-Value of insulation: R.12
Horizontal/vertical requirement: R.12 (2" THK.)
slab heated: N/A

2018 APPENDIX B (SEE STRUCTURAL)
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:

Importance Factors: Snow (I_S) _____
Seismic (I_E) _____

Live Loads: Roof _____ psf
Mezzanine _____ psf
Floor _____ psf

Ground Snow Load: _____ psf

Wind Load: Basic Wind Speed _____ mph (ASCE-7)
Exposure Category _____

SEISMIC DESIGN CATEGORY: ☐ A ☐ B ☐ C ☐ D
Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) ☐ I ☐ II ☐ III ☐ IV
Spectral Response Acceleration S_S_____ %g S_1_____ %g
Site Classification (ASCE 7) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
Data Source: ☐ Field Test ☐ Presumptive ☐ Historical Data
Basic structural system ☐ Bearing Wall ☐ Dual w/Special Moment Frame
☐ Building Frame ☐ Dual w/Intermediate R/C or Special Steel
☐ Moment Frame ☐ Inverted Pendulum
Analysis Procedure: ☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic
Architectural, Mechanical, Components anchored? ☐ Yes ☐ No

LATERAL DESIGN CONTROL: Earthquake ☐ Wind ☐

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) _____ psf
Presumptive Bearing capacity _____ psf
Pile size, type, and capacity _____

2018 APPENDIX B (SEE MECHANICAL)
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone
winter dry bulb: _____
summer dry bulb: _____

Interior design conditions
winter dry bulb: _____
summer dry bulb: _____
relative humidity: _____

Building heating load: _____

Building cooling load: _____

Mechanical Spacing Conditioning System
Unitary
description of unit: _____
heating efficiency: _____
cooling efficiency: _____
size category of unit: _____
Boiler
Size category. If oversized, state reason.: _____
Chiller
Size category. If oversized, state reason.: _____

List equipment efficiencies: _____

2018 APPENDIX B (SEE ELECTRICAL)
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code ☐ Performance ☐ Prescriptive
ASHRAE 90.1 ☐ Performance ☐ Prescriptive

Lighting schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs. allowed (whole building or space by space)
total exterior wattage specified vs. allowed

Additional Efficiency Package Options
(When using the 2018 NCECC; not required for ASHRAE 90.1)
☐ C406.2 More Efficient HVAC Equipment Performance
☐ C406.3 Reduced Lighting Power Density
☐ C406.4 Enhanced Digital Lighting Controls
☐ C406.5 On-Site Renewable Energy
☐ C406.6 Dedicated Outdoor Air System
☐ C406.7 Reduced Energy Use in Service Water Heating

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by:

checked by:

project no:
25-104

CODE SUMMARY

G001

9/18/2026 10:34:02 AM

DIVISION 00 - GENERAL CONDITIONS

0.1 - GENERAL PROVISIONS

THE GENERAL CONDITIONS, SPECIAL PROVISIONS, GENERAL REQUIREMENTS, AND TECHNICAL SPECIFICATIONS, ALONG WITH THE OTHER CONDITIONS WHICH FOLLOW, AND AS PROVIDED, AS WELL AS ALL APPLICABLE PROVISIONS OF THE SPECIFICATIONS, FORM A PART OF THE CONTRACT AND SHALL GOVERN EACH CONTRACTOR ENGAGED IN WORK ON THE PROJECT WHETHER THE WORK BE LET UNDER SEPARATE CONTRACTS OR UNDER A SINGLE CONTRACT.

THE CONTRACT DOCUMENTS CONSIST OF THE AGREEMENT BETWEEN OWNER AND CONTRACTOR, CONDITIONS OF THE CONTRACT AND ALL DOCUMENTS LISTED BELOW.

THE CONTRACT DOCUMENTS SHALL INCLUDE: DRAWINGS AS LISTED IN THE INDEX OF THIS SET. SPECIFICATION DIVISION 1-16 INCLUSIVE. ALL MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT. EQUIPMENT SCHEDULES.

"AS SHOWN" - AS SHOWN ON THE ACCOMPANYING DRAWINGS.

"PROVIDE" - PROVIDE AND INSTALL COMPLETE, WITH ALL NECESSARY ACCESSORIES AND INCIDENTAL MATERIALS AND SUPPLIES.

"PROVIDED BY OWNER" - MATERIALS OR GOODS WILL BE DELIVERED F.O.B. JOBSITE BY THE OWNER AT NO EXPENSE TO THE GENERAL CONTRACTOR. UNLOADING, STORAGE, INSTALLATION, AND/OR ASSEMBLY OF ITEMS "PROVIDED BY OWNER" SHALL BE BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.

"INSTALL" - INSTALL ITEMS, COMPLETE, PROVIDING ALL INCIDENTAL AND NECESSARY SUPPLIES AND MATERIALS.

"GENERAL CONTRACTOR" - THE GENERAL CONTRACTOR OR ANY OR ALL OF HIS VARIOUS SUBCONTRACTORS.

"OWNER" - ALL GENERAL CONDITIONS REFERENCES TO "OWNER" SHALL REFER TO THE OWNER, INC.

"CONTRACTOR" AND "GENERAL CONTRACTOR" AS STATED IN THESE DOCUMENTS REFER TO THE SAME ENTITY.

0.2 - INSURANCE

THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS ARE REQUIRED TO OBTAIN THE FOLLOWING INSURANCES, AND AT THEIR REQUEST FURNISH EVIDENCE TO THE OWNER. ALL INSURANCE SHALL NAME THE OWNER, AND THE ARCHITECTS. AS ADDITIONAL INSURED PARTIES.

WORKMAN'S COMPENSATION INSURANCE IN ACCORDANCE WITH THE LAWS OF THE STATE IN WHICH THE PROPERTY IS LOCATED AND THE OWNERS REQUIREMENTS. THE OWNER SHALL KEEP A COPY IN FILE AT ALL TIME.

COMPREHENSIVE GENERAL LIABILITY INSURANCE INCLUDING CONTRACTUAL LIABILITY WITH LIMITS SET FORTH BY THE THE OWNER.

AUTOMOBILE LIABILITY INSURANCE INCLUDING CONTRACTUAL LIABILITY AS SET FORTH BY THE OWNER.

BUILDER'S RISK INSURANCE IN THE AMOUNT OF THE ESTIMATED COST OF THE PROJECT.

THE CONTRACTOR AGREES TO INDEMNIFY AND SAVE HARMLESS THE OWNER, ITS AGENTS, SERVANTS, AND EMPLOYEES, AND THE OWNER'S ARCHITECT AND ENGINEER FROM AND AGAINST ANY AND ALL LIABILITY OR DAMAGE TO PROPERTY OCCASIONED BY ANY ACT OR OMISSION OF THE CONTRACTOR, HIS SUBCONTRACTORS, SERVANTS, OR EMPLOYEES, INCLUDING ANY AND ALL EXPENSE, LEGAL OR OTHERWISE, WHICH MAY BE INCURRED BY THE OWNER, ITS AGENTS SERVANTS, OR EMPLOYEES IN THE DEFENSE OF ANY CLAIM, SETTLEMENT OR SUIT.

0.3 - EXTRA WORK

ANY AND ALL WORK WHICH IS PERFORMED BY THE CONTRACTOR, OR BY ANY SUBCONTRACTOR, WITHOUT HAVING SPECIFIC APPROVAL FROM THE OWNER IN WRITING, SHALL BE PERFORMED BY SAID CONTRACTOR AT HIS OWN RISK WITHOUT ANY OBLIGATION OR RESPONSIBILITY OF THE OWNER OR THE ARCHITECT. ALL WORK WHICH IS ABOVE AND BEYOND THE SCOPE OF THE DRAWINGS AND SPECIFICATIONS, OR ANY PART OF THE CONSTRUCTION DOCUMENTS, MUST BE SPECIFICALLY AUTHORIZED BY THE OWNER IN WRITING. ALL REQUESTS FOR ADDITIONAL PAYMENTS MUST BE APPROVED BY THE OWNER PRIOR TO THE START OF THAT WORK.

THE FOLLOWING GENERAL REQUIREMENTS SUPPLEMENT AND/OR SUPERSEDE THE FOREGOING GENERAL AND SUPPLEMENTARY CONDITIONS FOR CONTRACT WORK AND ARE HEREBY CONSIDERED A PART OF THE CONTRACT DOCUMENTS.

DIVISION 01 - GENERAL REQUIREMENTS

01100 - SUMMARY

SCOPE ALL OF THE WORK UNDER EACH HEADING OF THESE SPECIFICATIONS SHALL BE GOVERNED BY THE GENERAL CONDITIONS, SPECIAL PROVISIONS, THE DRAWINGS AND THE SPECIFICATIONS, AS WELL AS THE FOLLOWING GENERAL REQUIREMENTS

THE WORK UNDER EACH HEADING OF THESE SPECIFICATIONS SHALL INCLUDE ALL LABOR, MATERIAL, EQUIPMENT AND SERVICES NECESSARY FOR AND SAID HEADING AS INDICATED ON THE DRAWINGS, SET FORTH IN THE SPECIFICATIONS, OR OTHERWISE REQUIRED.

WORK DONE HEREUNDER INCLUDES FURNISHING ALL LABOR, MATERIAL SERVICES, AND EQUIPMENT NECESSARY AND/OR INCIDENTAL TO PERFORM ALL WORK THROUGH THE PROPER COMPLETION OF ALL WORK AS MAY BE FURTHER SPECIFIED AND/OR AS SHOWN ON THE PLANS, OR OTHERWISE REQUIRED.

01200 - PRICE AND PAYMENT PROCEDURES

CONFLICTS BETWEEN DOCUMENTS

IN CASE OF CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS THE CONTRACTOR WILL BE DEEMED TO HAVE ESTIMATED ON, AND AGREED TO PROVIDE, THE GREATEST QUANTITY AND BETTER QUALITY OF MATERIALS AND WORK.

INCLUDE GENERAL CONSTRUCTION, ELECTRICAL, PLUMBING, HVAC, AND INSTALLATION OF ALL SUCH WORK AS HEREINAFTER MAY BE REQUIRED.

SUBSTITUTIONS:

BIDDERS MAY OFFER SUBSTITUTIONS FOR ANY ITEM SPECIFICATION BY SUBMITTING IN WRITING AS OUTLINED IN SPACE PROVIDED ON PROPOSAL FORM.

IT SHALL BE UNDERSTOOD BY ALL HEREIN CONCERNED THAT ANY PROPOSED SUBSTITUTION SHALL HAVE THE WRITTEN APPROVAL OF ARCHITECT AND/OR OWNER'S REPRESENTATIVE, BEFORE BEING USED BY CONTRACTOR, OTHERWISE IT WILL BE ASSUMED THAT THE CONTRACTOR'S TOTAL BID IS BASED UPON THE MATERIAL OR ITEM OF EQUIPMENT SPECIFIED.

EXAMINATION OF SITE AND BUILDING:

BEFORE SUBMITTING A PROPOSAL, EACH BIDDER SHALL EXAMINE ALL DOCUMENTS, VISIT THE SITE, VERIFYING ANY SPECIAL CHARGES OR REQUIREMENTS, COMPARING EACH TO THE OTHER AND INFORMING THEMSELVES OF ALL CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. INCLUDE ALL RELEVANT MATTERS WHICH MAY AFFECT THE WORK OR THE BIDDING. EACH BIDDER SHALL BASE HIS PROPOSAL ON MATERIAL, METHODS AND/OR EQUIPMENT COMPLYING WITH THE SPECIFICATIONS AND DRAWINGS.

01300 - ADMINISTRATION REQUIREMENTS

PERMITS:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER APPLICATION FOR AND SECURING OF ALL NECESSARY PERMITS, AS WELL AS THE OBSERVANCE OF ALL APPLICABLE CITY, COUNTY, STATE AND FEDERAL LAWS, REGULATIONS OR ORDINANCES AND SHALL INCLUDE IN THEIR PROPOSAL COST OF SAME.

01400 - QUALITY REQUIREMENTS

CODES AND STANDARDS:

ALL WORK, MATERIALS AND INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ALL ORDINANCES, STATE AND LOCAL BUILDING CODES, LATEST EDITION, OF THE AUTHORITIES HAVING JURISDICTION.

DESIGN LOADS: LOADS AND CODE RESTRICTIONS FOR ALL DESIGN CONSIDERATIONS SHALL CONFIRM TO THE LOCAL AND STATE CODES, AND ALL GOVERNING CODES.

01500 - TEMPORARY FACILITIES AND CONTROLS

PROVIDE AND COMPLETE ALL PRELIMINARY WORK AND TEMPORARY CONSTRUCTION REQUIRED AS INDICATED AND REQUIRED.

TEMPORARY BARRICADES:

INSTALL TEMPORARY BARRICADE AS REQUIRED BY CITY OFFICIALS OR AHJ IN MANNER STIPULATED BY SAME.

LIGHT AND POWER:

SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR AND PAY ALL COST FOR SAME, FOR ALL CONTRACTOR(S) TO SUBJECT SPACE.

WATER SUPPLY:

THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS FOR PERMANENT WATER SERVICE, WATER METER, AND PRESSURE REGULATOR FOR ALL PURPOSES OF CONSTRUCTION, PAYING ALL COSTS IN CONNECTION WITH SAME, AND FOR ALL WATER USED. THIS SHALL INCLUDE ALL MEANS OF CONVEYING SAME TO PLACE WHERE REQUIRED.

ELECTRICITY:

THE CONTRACTOR SHALL MAKE ALL NECESSARY APPLICATIONS, PAY ALL DUES AND CHARGES, OBTAIN NECESSARY PERMITS, PROVIDE AND MAINTAIN ELECTRICAL ENERGY FROM DEVELOPERS PERMANENT ELECTRICAL FACILITIES FOR LIGHTING, POWER FOR ALL ELECTRIC TOOLS AND EQUIPMENT REQUIRED IN CONSTRUCTION OF ALL BRANCHES OF THE WORK AND PAY FOR ALL CURRENT USED.

DIVISION 01 - GENERAL REQUIREMENTS

TELEPHONE:

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ON THE JOB SITE, A TEMPORARY TELEPHONE AT THE BEGINNING OF PROJECT FOR THE USE OF THOSE CONNECTED WITH THE WORK AND FURNISH FREE TELEPHONE SERVICES ON ALL LOCAL CALLS. IF TELEPHONE ALREADY EXISTS, PROVIDE ADDITIONAL PHONE.

FIRE PROTECTION:

OWNER'S CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS WITHIN THE PREMISES AS REQUIRED BY CODE AND/OR INSURANCE COMPANIES,

01700 - EXECUTION REQUIREMENTS

INSTALLATION OF MATERIALS AND EQUIPMENT:

ATTENTION IS HEREBY DIRECTED TO THE FOLLOWING REQUIREMENT FOR EACH PRIME AND SUBCONTRACTOR: THAT THE APPLICATION OF A MATERIAL AND/OR EQUIPMENT ITEM TO UNSATISFACTORY WORK INSTALLED BY OTHERS, CONSTITUTES ACCEPTANCE OF THAT WORK AND ASSUMPTION OF FULL RESPONSIBILITY FOR IT PRIOR TO STARTING THE SPECIFIC APPLICATION. NOTIFY IN WRITING THE ARCHITECT AND/OR OWNER'S REPRESENTATIVE OF ANY DEFECT OR DEFICIENCY WHICH WOULD IMPAIR COMPLETE AND SATISFACTORY APPLICATIONS OR INSTALLATION OF HIS WORK OR GUARANTEE.

CONTRACTOR SHALL FULLY INFORM HIMSELF REGARDING PECULIARITIES AND LIMITATIONS OF SPACE AVAILABLE FOR INSTALLATION OF WORK AND MATERIALS FURNISHED AND INSTALLED. DRAWINGS INDICATE LOCATION AND ARRANGEMENT OF EQUIPMENT AND OTHER ITEMS AND ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE. WORK SPECIFIED AND NOT CLEARLY DEFINED BY DRAWINGS SHALL BE INSTALLED AND ARRANGED IN A MANNER SATISFACTORY TO THE OWNER. IN EVENT CHANGES IN INDICATED LOCATIONS AND ARRANGEMENTS ARE DEEMED NECESSARY BY THE OWNER, THEY SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL CHARGES PROVIDED THAT THE CHANGES ARE ORDERED BEFORE THE WORK IS INSTALLED AND NO EXTRA MATERIALS OR LABOR ARE REQUIRED.

MANUFACTURER'S INSTRUCTIONS:

WHERE INSTALLATIONS INCLUDE MANUFACTURED PRODUCTS, COMPLY WITH MANUFACTURER'S APPLICABLE INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION, TO THE EXTENT THESE ARE MORE EXPLICIT OR MORE STRINGENT THAN REQUIREMENTS INDICATED IN THE CONTRACT DOCUMENTS.

PROVIDE ATTACHMENT AND CONNECTION DEVICES AND METHODS FOR SECURING WORK PROPERLY AS IT IS INSTALLED; TRUE TO LINE AND LEVEL, AND WITHIN RECOGNIZED INDUSTRY TOLERANCES IF NOT OTHERWISE INDICATED. ALLOW FOR EXPANSIONS AND BUILDING MOVEMENTS.

VISUAL EFFECT:

PROVIDE UNIFORM JOINT WIDTHS IN EXPOSED WORK, ORGANIZED FOR BEST POSSIBLE VISUAL EFFECT. REFER QUESTIONABLE VISUAL-EFFECT CHOICES TO ARCHITECT/OWNER'S REPRESENTATIVE FOR FINAL DECISION. RECHECK MEASUREMENTS AND DIMENSIONS OF THE WORK, AS AN INTEGRAL STEP OF STARTING EACH INSTALLATION.

MOUNTING HEIGHTS:

WHERE MOUNTING HEIGHTS ARE NOT INDICATED, MOUNT INDIVIDUAL UNITS OF WORK AT INDUSTRY-RECOGNIZED STANDARD MOUNTING HEIGHTS FOR APPLICATIONS INDICATED. REFER QUESTIONABLE MOUNTING HEIGHT CHOICES TO ARCHITECT/OWNER'S REPRESENTATIVE FOR FINAL DECISION. CONFORM WITH APPLICABLE ACCESSIBILITY CODES WHERE REQUIRED.

PROTECTION AND CLEAN-UP:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PROTECTION OF ADJACENT ITEMS AND SURFACES FROM DAMAGE RESULTING FROM THE FURNISHING OR INSTALLATION OF HIS WORK AND SHALL PROMPTLY REPLACE, AT HIS OWN COST, SUCH DAMAGED WORK. HE SHALL ALSO BE RESPONSIBLE FOR THE PROPER PROTECTION OF HIS AND OTHERS WORK FROM DAMAGE BY ANY INCLUDING FREEZING OR OVERHEATING. USE PLASTIC COVERING OVER FURNITURE, DISPLAY CASES, EQUIPMENT AND FINISHES. THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE PREMISES ON A DAILY BASIS; ALL DUST AND CONSTRUCTION DEBRIS ARE TO BE REMOVED. ANY BROKEN, DAMAGED, MARRED, UNCLEAN, OR OTHERWISE IMPERFECT WORK SHALL BE CORRECTED BY THE CONTRACTOR BEFORE HIS WORK SHALL BE CONSIDERED COMPLETE. USE DUST BARRIERS.

UPON COMPLETION OF THE WORK CONTRACTOR SHALL CLEAN INTERIOR AND EXTERIOR OF ALL GLASS AND GLAZING, FLOORS, WALLS AND CEILING SURFACES, ELECTRICAL FIXTURES. MECHANICAL EQUIPMENT, ETC.; IT IS NECESSARY TO REMOVE ALL DIRT, STAINS, AND MARKS. THE SIGNS, GLASS AND WOOD SHALL BE CLEANED AND POLISHED. THE PROJECT SHALL BE MADE CLEAN AND FIT FOR IMMEDIATE OCCUPANCY BY AN INDEPENDENT CLEANING AGENT, WITH THE APPROVAL OF THE OWNER, AT THE CONTRACTOR'S EXPENSE.

DIVISION 01 - GENERAL REQUIREMENTS

GENERAL CONTRACTOR SHALL SUPERVISE AND SCHEDULE PROPER INSTALLATION OF ALL PARTS OF WORK PERTAINING TO A FINISHED PRODUCT BY HIM OR BY THE OWNER.

GENERAL CONTRACTOR SHALL SUPERVISE AND SCHEDULE PROPER INSTALLATION OF ALL PARTS OF WORK PERTAINING TO A FINISHED PRODUCT BY CONTRACTOR, SUBCONTRACTORS OR THE OWNER.

GUARANTEE / WARRANTY:

THE CONTRACTOR SHALL GUARANTEE THE WORK TO BE FREE FROM DEFECTS OF MATERIALS OR WORKMANSHIP, INCLUDING DISCOLORATION, RATTLING AND LEAKING, FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL PAYMENT. APPLICATION BY THE CONTRACTOR FOR FINAL PAYMENT SHALL BE CONSIDERED AS PRESUMPTIVE EVIDENCE OF HIS FULL UNDERSTANDING OF AND AGREEMENT WITH CONDITIONS OF THE GUARANTEE PROVISION, AND HE SHALL REMOVE AND REPLACE WITH NEW, AT HIS OWN EXPENSE, ALL SUCH WORK OR MATERIALS FOUND BY THE OWNER'S REPRESENTATIVE TO BE DEFECTIVE WITHIN THE GUARANTEE PERIOD.

GENERAL CONTRACTOR SHALL KEEP AN ACCURATE DIMENSIONED RECORD ON REPRODUCIBLE TRANSPARENCIES OF AS-BUILT LOCATIONS, WITH ELECTRONIC COPIES OF WORK WHICH IS INSTALLED DIFFERENTLY FROM THAT SHOWN.

POLLUTION CONTROLS:

USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERED IN AIR TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROJECTION. DO NOT USE WATER WHEN IT MAY CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS SUCH AS ICE, FLOODING AND POLLUTION.

CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY DEMOLITION OPERATIONS, AS DIRECTED BY ARCHITECT OR GOVERNING AUTHORITIES. RETURN ADJACENT AREAS TO CONDITION EXISTING PRIOR TO START OF WORK.

TURNOVER REQUIREMENTS:

THE CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS AND FURNISH OWNERS REPRESENTATIVE WITH THE CERTIFICATE OF OCCUPANCY. G.C. IS ALSO TO PROVIDE A TYPEWRITTEN LIST OF NAMES, ADDRESSES AND PHONE NUMBERS OF ALL SUB-CONTRACTORS AND MATERIAL SUPPLIERS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE ENTIRE SPACE CLEAN AND SPOTLESS AT THE TIME OF FURNITURE INSTALLATION AND AT TURN OVER.

PRIOR TO THE OPENING, CONTRACTOR IS TO ARRANGE FOR AN INDEPENDENT BALANCING CONTRACTOR TO BALANCE THE HVAC SYSTEM AND PROVIDE A COPY OF THE BALANCING REPORT TO OWNER'S REPRESENTATIVE.

CONTRACTOR TO TURN OVER ALL KEYS TO THE OWNER'S REPRESENTATIVE AND MARKING EACH KEY FOR IDENTIFICATION. THE CONTRACTOR SHALL SET ALL TIME CLOCKS, THERMOSTATS, ETC. PER OWNER'S REPRESENTATIVE'S REQUIREMENTS.

THE CONTRACTOR SHALL EXPLAIN THE OPERATION OF ALL MECHANICAL SYSTEMS TO THE OWNER'S REPRESENTATIVE AND PROVIDING COPIES OF OPERATION, MAINTENANCE AND WARRANTY MANUALS.

01800 - FACILITY OPERATION

ENSURE THAT THE OWNER GETS THE REQUIRED EXTRA MATERIALS AS LISTED BELOW.

IRRIGATION SYSTEMS - SPRINKLERS & NOZZLES: 2 EACH MIN.

CAST MARBLE - BATH THRESHOLDS 5 MIN.

E.I.F.S. - MAINTANANCE KIT WITH PRINTED INSTRUCTIONS, ONE GALLON ADHESIVE, ONE GALLON FINISH COLOR COATING PER COLOR USED, 20SF EACH TYPE REINFORCING FABRIC, 20SF INSULATION BOARD

SIDING - 2% OF AMOUNT INSTALLED

CERAMIC TILE - 2% OF EACH TYPE INSTALLED

ACOUSTICAL TILE CEILINGS - 2% OF QUANTITY OF PANELS INSTALLED,

RESILIENT FLOORING - 10% OF EACH TYPE AND COLOR

CARPET - 6% OF EACH TYPE INSTALLED

PAINTS AND COATINGS - 5 GALLONS OF EACH TYPE USED, LABELED

01999 - GENERAL

ITEMS FURNISHED BY THE OWNER AND INSTALLED BY GENERAL CONTRACTOR

IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO RECEIVE, CHECK AND CONFIRM THE ARRIVAL IN GOOD ORDER, OF ALL ITEMS CALLED FOR TO BE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.

DIVISION 01 - GENERAL REQUIREMENTS

THE CONTRACTOR SHALL NOTIFY THE OWNER (IN WRITING) OF ANY SUCH ITEMS MISSING OR DAMAGED WITHIN 3 DAYS OF RECEIVING DATE. FAILURE TO NOTIFY THE OWNER WILL BE CONSIDERED PROOF PRESUMPTIVE THAT ALL AND SUCH ITEMS HAVE ARRIVED UNDAMAGED, AND IN THE PROPER QUANTITIES, AND IT SHALL THEN BE THE CONTRACTOR'S RESPONSIBILITY (AT HIS OWN COST) TO PROMPTLY REORDER, REPLACE AND/OR REPAIR ANY SUCH ITEMS NEEDED FOR THE PROPER COMPLETION OF THIS PROJECT, ON THE AGREED TO DATE OF COMPLETION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR AN ACCURATE TAKING OF JOB SITE MEASUREMENTS, VERIFYING SAME, AND PROMPTLY FURNISHING EXACT JOB SITE MEASUREMENTS TO ALL PARTIES REQUIRING SAME. CONTRACTOR MUST NOTIFY THE OWNER AND THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY. THE CONTRACTOR SHALL CHECK CASEWORK SHOP DRAWINGS AS TO CORRECT ANGLES AND FIT TO THE EXISTING SPACE & SITE CONDITIONS AS SHOWN. THE CONTRACTOR SHALL PERMANENTLY LAYOUT THE CASEWORK ON THE FLOOR PRIOR TO THE CONSTRUCTION OF WALL, CEILING, LIGHT FIXTURES, ETC.

WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. LARGER SCALE DRAWINGS SHALL TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

THE WORDS "THE CONTRACTOR SHALL" ARE INTENTIONALLY OMITTED FROM THE SPECIFICATIONS. WHERE DIRECTIONS OR INSTRUCTIONS ARE STATED, WITHOUT SPECIFIC REFERENCE AS TO WHO IS RESPONSIBLE, THE INFERENCE IS INTENDED TO BE THE CONTRACTOR FOR THE WORK IN THE SPECIFICATION SECTION IN WHICH THE DIRECTIONS OR INSTRUCTIONS ARE INTENDED.

SUBCONTRACTORS:

THE CONTRACTOR AGREES THAT HE IS FULLY RESPONSIBLE TO THE OWNER FOR THE ACTS AND OMISSIONS OF HIS SUBCONTRACTORS AND OF PERSONS DIRECTLY EMPLOYED BY HIM. NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE ANY CONTRACTUAL RELATION BETWEEN ANY SUBCONTRACTOR AND THE OWNER. THE CONTRACTOR SHALL COOPERATE WITH THE OWNER AND OTHER CONTRACTORS PERFORMING WORK UNDER SEPARATE CONTRACTS TO ENSURE PROJECT PROGRESS ACCORDING TO SCHEDULE. THE CONTRACTOR SHALL COORDINATE WITH WORK OR THE VARIOUS TRADES INCLUDING THE OWNER'S FOOD SERVICE EQUIPMENT CONTRACTOR.

STRICTLY PROHIBITED WORK AND PRACTICES:

INSTALLATION OF ANY COMBUSTIBLE MATERIALS ABOVE FINISHED CEILINGS OR IN ANY OTHER CONCEALED, NON-SPRINKLERED SPACE.

IMPOSING ANY STRUCTURAL LOAD, TEMPORARY OR PERMANENT, ON ANY PART OF THE WORK OR STRUCTURE WITHOUT APPROVAL.

ATTACHING ANY WORK TO STRUCTURE (WITHOUT PRIOR APPROVAL) OR HANGING FROM PLUMBING AND SPRINKLER PIPING OR CONDUIT.

DIVISION 02 - SITE WORK

02200 - SITE PREPARATION

PROVIDE DEMOLITION AND REMOVAL OF STRUCTURES, PAVEMENT, SIDEWALKS, CURBS, ETC. AND THE CAPPING OF EXISTING UTILITIES. REMOVE ABOVE GRADE AND BELOW GRADE IMPROVEMENTS AND REMOVE GROWTH AND VEGETATION AT THE SITE.

COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, REGULATIONS AND STANDARDS. IN CASE OF CONFLICT THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

OBTAIN ALL REQUIRED PERMITS AND LICENSES, PAY ALL FEES

DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, OR HYDRANTS WITHOUT PERMIT

CONFORM TO ALL REGULATIONS AND PROCEDURES WHEN HANDLING OR DISPOSING OF HAZARDOUS/CONTAMINATED MATERIALS

TEST SOILS AROUND BURIED TANKS FOR CONTAMINATION

SCHEDULE AND EXECUTE ALL WORK IN A CAREFUL MANNER WITH ALL CONSIDERATION FOR NEIGHBORS AND THE PUBLIC TO PREVENT INJURY TO PERSONS OR PROPERTY.

PRIOR TO ALL DEMOLITION WORK CAREFULLY INSPECT THE ENTIRE SITE AND ALL OBJECTS TO BE DEMOLISHED AND/OR LEFT INTACT AND DETERMINE AN ORDERLY SEQUENCE FOR THE DEMOLITION. LOCATE ALL EXISTING UTILITY LINES AND DETERMINE THE REQUIREMENTS FOR DISCONNECTION AND CAPPING. LOCATE ALL ACTIVE UTILITY LINES TRAVERSING THE SITE AND DETERMINE THE REQUIREMENTS FOR PROTECTION.

PROTECTION: THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PROTECTION OF EXISTING BUILDINGS AND VEGITATION, SURROUNDING PROPERTY AND ALL PERSONS. THE CONTRACTOR SHALL ALSO PROVIDE ALL SHORING, TEMPORARY BARRICADES AND TEMPORARY ENCLOSURES AS NECESSARY TO PROTECT ADJACENT PROPERTY FROM DAMAGE.

DIVISION 02 - SITE WORK

TAKE ALL MEANS NECESSARY TO PREVENT THE SPREAD OF DUST DURING DEMOLITION OPERATIONS. THOROUGHLY MOISTEN ALL GROUND SURFACES AS OFTEN AS REQUIRED TO PREVENT DUST BEING A NUISANCE TO THE PUBLIC, NEIGHBORS AND THE CONCURRENT PERFORMANCE OF OTHER WORK ON THE SITE.

PRESERVE IN OPERATING CONDITION ALL ACTIVE UTILITIES TRAVERSING THE SITE AND REQUIRED FOR FUTURE OPERATION OF THE NEW FACILITY AND SURROUNDING PROPERTIES.

COORDINATE DISCONNECTING, REMOVING, PLUGGING, ABANDONING AND RELOCATING UTILITIES WITH LOCAL UTILITY COMPANIES OR OTHER GOVERNING AGENCIES.

NOTIFY AND COMPLY WITH ALL UTILITY COMPANIES AND THEIR REQUIREMENTS

POLLUTION CONTROL: THE CONTRACTOR IS RESPONSIBLE FOR ENSURING TRUCKS LEAVING AND ENTERING THE SITE DO NOT DROP DEMOLITION DEBRIS OR DIRT ONTO PUBLIC STREETS.

THE CONTRACTOR IS RESPONSIBLE FOR THE PREVENTION OF SOIL EROSION AND SILT FROM LEAVING THE SITE.

FILLING BASEMENTS & VOIDS: COMPLETELY FILL BELOW GRADE AREA AND VOIDS

PLACE FILL, COMPACT AND GRADE THE SURFACE TO MEET ADJACENT GRADES AND AS SHOWN ON THE DRAWINGS.

DISPOSAL OF MATERIALS:

REMOVE FROM SITE AND LEGALLY DISPOSE ALL RUBBISH, DEBRIS AND ALL MATERIALS RESULTING FROM OPERATIONS.

02300 - EARTHWORK

PRIOR TO THE START OF CONSTRUCTION, REMOVE ALL TOPSOIL, VEGETATION, AND VARIOUS OTHER LOOSE SOILS/MATERIALS FROM AREAS WHERE PAVING OR EARTHWORK WILL OCCUR

LOCATE EXISTING UNDERGROUND UTILITIES BY CAREFUL HAND EXCAVATION BEFORE STARTING EARTHWORK OPERATIONS. IF UTILITIES ARE TO REMAIN IN PLACE, PROVIDE PROTECTION FROM DAMAGE DURING CONSTRUCTION OPERATIONS. CONTACT LOCAL UTILITY COMPANY FOR INFORMATION REGARDING UNDERGROUND UTILITIES.

SHOULD UNCHARTED OR INCORRECTLY CHARTED PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, CONSULT THE OWNER IMMEDIATELY FOR DIRECTIONS AS TO PROCEDURES. REPAIR DAMAGED UTILITIES TO THE SATISFACTION OF THE UTILITY OWNER. COOPERATE WITH THE OWNER, AND PUBLIC AND PRIVATE UTILITY COMPANIES IN KEEPING SERVICES AND FACILITIES IN OPERATION.

UNIFORMLY GRADE AREAS WITHIN THE LIMITS OF GRADING, INCLUDING ADJACENT TRANSITIONAL AREAS.

BARRICADE OPEN EXCAVATION AND POST WITH WARNING LIGHTS FOR THE SAFETY OF PERSONS, OPERATING WARNING LIGHT DURING HOURS OF DUSK TO DAWN EACH DAY.

SLOPE SIDES OF EXCAVATIONS TO COMPLY WITH LOCAL CODES, ORDINANCES, AND REQUIREMENTS OF AGENCIES HAVING JURISDICTION. SHORE AND BRACE WHERE SLOPING IS NOT POSSIBLE

PROTECT STRUCTURE, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES IMMEDIATELY ADJACENT TO EXCAVATIONS, FROM DAMAGES CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS.

ALL FILL AND BACK FILL SHALL BE SELECTED FILL MATERIAL COMPACTED AND DENSITY TESTED AS NOTED IN THE SOILS REPORT. GRADING PLAN AND EARTHWORK SPECIFICATIONS USE NON-EXPANSION FILL MATERIAL AT BUILDING AREA AND UNDER WALKS. ALL COMPACTION SHALL BE SUPERVISED AND CERTIFIED BY A LICENSED SOILS ENGINEER AND CERTIFICATION REPORT SHALL BE SUBMITTED TO THE OWNER PRIOR TO PLACING OF CONCRETE.

AREAS AT GRADE OR REQUIRING FILL SHOULD BE LEVELED, COMPACTED, AND PROOF ROLLED

PLACE AND COMPACT SOIL FOR FILL LAND BACKFILL, IN LAYERS OF 8 INCHES MAXIMUM, TO REQUIRED ELEVATIONS

BEFORE COMPACTION, MOISTEN OR AERATE EACH LAYER FOR OPTIMUM MOISTURE CONTENT

BACKFILL EXCAVATIONS AS PROMPTLY AS WORK PERMITS

QUALITY ASSURANCE: CONFORM TO STATE, LOCAL, AND ALL OTHER REGULATIONS FOR THE USE AND APPLICATION OF TOXICANT CHEMICALS. APPLICATOR SHALL BE A COMPANY SPECIALIZING IN SOIL TREATMENT FOR TERMITE CONTROL WITH FIVE YEARS EXPERIENCE AND LICENSED FOR PROJECT LOCATION. SUBMIT COMPLETE PRODUCT DATA AND MANUFACTURER'S INSTRUCTIONS. INDICATE CAUTION REQUIREMENTS.

WARRANTY: FURNISH FIVE YEAR WARRANTY AGAINST INVASION OR PROPAGATION OF SUBTERRANEAN TERMITES, DAMAGE TO BUILDING OR CONTENTS CAUSED BY TERMITES. INCLUDE COST FOR REPAIRS TO BUILDINGS OR CONTENTS SO CAUSED.

PRODUCTS: PROVIDE WATER EMULSION MATERIALS MANUFACTURED BY ONE OF THE FOLLOWING: BASE TERMIDOR; DOW AGRO SCIENCES EQUITY 1.0 PERCENT; OR OTHER PRODUCT SUBSTITUTIONS IF APPROVED IN WRITING BY THE OWNER.

DIVISION 02 - SITE WORK

EXECUTION: VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. APPLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, STATE AND FEDERAL LAWS AND OSHA REGULATIONS. COORDINATE INSTALLATION WITH ROUGH GRADING TO AVOID DISTURBANCES TO TREATED SOIL. RETREAT ANY DISTURBED SOIL. DO NOT PERMIT SOIL GRADING OVER COMPLETED WORK.

TREATMENT SCHEDULE: TREAT SOIL AT THE FOLLOWING LOCATIONS:

UNDER FOOTINGS; UNDER SLABS ON GRADE; BOTH SIDES OF FOUNDATION WALLS; AND SOIL WITHIN 10 FEET OF BUILDING PERIMETER FOR A DEPTH AS RECOMMENDED BY THE MANUFACTURER FOR THE REGION WHERE PROJECT IS LOCATED.

02700 - BASES, BALLASTS, PAVEMENTS, AND APPURTENANCES

ASPHALT AND CONCRETE PAVING:

REFER TO CIVIL DRAWINGS FOR SPECIFICATIONS

COMPLY WITH ALL TRADE STANDARDS FOR MIXING AND PLACING CONCRETE

PLACE CONCRETE BY METHODS TO PREVENT SEGREGATION

SEE GRADING AND PAVING PORTION OF SITE PREPARATION PROCEDURES ON THE SITE AND/OR GRADING PLAN.

ASPHALT PAVING MATERIALS:

BASE COURSE: AS NOTED ON CIVIL DRAWINGS

PRIME COAT: M

DIVISION 04 - MASONRY

04 - GENERAL NOTES

ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF ALL LOCAL CODES AND STANDARDS.

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE AND REPORT ANY ERRORS, OMISSIONS, OR POSSIBLE DISCREPANCIES TO THE ARCHITECT AND THE OWNER PRIOR TO COMMENCING ANY WORK. SPECIAL CARE SHALL BE GIVEN TO THE SITE AND BUILDING LAYOUT THEREON.

THE CONTRACTOR SHALL PROVIDE SAFE AND ADEQUATE BRACES AND CONNECTIONS TO SUPPORT THE COMPONENT PARTS OF THE STRUCTURE UNTIL THE STRUCTURE ITSELF (INCLUDING THE FLOOR AND ROOF DIAPHRAGMS) IS COMPLETE ENOUGH TO ADEQUATELY SUPPORT ITSELF.

OPTIONS, IF PROVIDED HEREIN, ARE NOTED FOR CONTRACTOR'S CONVENIENCE. HE SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY, SHALL COORDINATE ALL DETAILS, AND SHALL OBTAIN ALL REQUIRED APPROVALS.

COSTS OF ADDITIONAL DESIGN WORK NECESSITATED BY SELECTION OF AN OPTION OR DUE TO ERRORS OR OMISSIONS IN CONSTRUCTION, SHALL BE BORNE BY THE CONTRACTOR.

04050 - BASIC MASONRY MATERIALS AND METHODS

MORTAR: MORTAR ALL JOINTS. USE MORTAR COMPLYING WITH ASTM STANDARDS: CEMENT ASTM C270; LIME ASTM C207; SAND ASTM C144; WATER SHALL BE POTABLE. PREPACKAGED LATEX PORTLAND CEMENT MORTAR SHALL COMPLY WITH ANSI A118.4.

PROVIDE COLORED MORTAR AS SELECTED BY THE OWNER. COLOR PIGMENT SHALL COMPLY WITH ASTM C979, MINERAL OXIDE PIGMENTS.

EXECUTION: PREPARE SUBSTRATE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.

EXAMINE SUBSTRATES UPON WHICH WORK WILL BE INSTALLED. COORDINATE WITH GENERAL CONTRACTOR TO REMEDY ANY UNSATISFACTORY SUBSTRATES. NOTIFY THE OWNER IN WRITING OF ANY UNSATISFACTORY SUBSTRATES. COMMENCEMENT OF WORK BY THE INSTALLER SHALL INDICATE HIS ACCEPTANCE OF THE SUBSTRATE.

INSTALL ALL WORK IN CONFORMANCE WITH THE MVMA (MASONRY VENEER MANUFACTURER'S ASSOCIATION "INSTALLATION GUIDE FOR ADHERED CONCRETE MASONRY VENEER".

PROTECT ADJACENT WORK FROM CONTACT WITH MORTAR.

MANUFACTURER'S FIELD SERVICE REPRESENTATIVE SHALL MAKE ONE SITE VISIT FOR INSTALLATION INSPECTION AND CONSULTATION BEFORE MORE THAN 20% OF THE MATERIAL IS INSTALLED.

04200 - MASONRY UNITS

INCLUDES PORTLAND CEMENT BASED MANUFACTURED STONE VENEER AND TRIM.

COMPLY WITH ALL STANDARDS REFERENCED BY THE MANUFACTURER. COMPLY WITH ALL APPLICABLE BUILDING CODES.

SUBMITTALS: SUBMIT MANUFACTURER'S PRODUCT DATA AND VERIFICATION SAMPLES OF THE SELECTED STONE AND MORTAR MATERIALS AS SELECTED BY THE OWNER.

WARRANTIES: SUBMIT MANUFACTURER'S AND INSTALLER'S WARRANTIES UPON COMPLETION OF THE JOB. WARRANTY SHALL COVER DEFECTS IN MATERIALS AND INSTALLATION FOR 5 YEARS AFTER ACCEPTANCE BY THE OWNER.

QUALITY ASSURANCE: INSTALLER QUALIFICATIONS: EXPERIENCED MASON FAMILIAR WITH INSTALLATION PROCEDURES FOR MANUFACTURED VENEER. CERTIFICATIONS REQUIRED PER MANUFACTURER'S STANDARDS.

MANUFACTURER: REFERENCE "EXTERIOR FINISH SCHEDULE"

REFER TO STRUCTURAL DRAWINGS FOR CONCRETE MASONRY UNITS (CMU SPECIFICATIONS)

04400 - STONE

STONE VENEER TYPE AND FINISH: REFERENCE "EXTERIOR FINISH SCHEDULE"

INSTALL AND CLEAN STONE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS FOR STANDARD GROUTED INSTALLATION.

04700 - SIMULATED MASONRY

PRODUCTS:

LICENSOR: ELDORADO STONE CORPORATION

MANUFACTURER: STONECRAFT INDUSTRIES

DIVISION 04 - MASONRY

MATERIALS: VENEER UNITS - PRECAST UNITS CONSISTING OF PORTLAND CEMENT, SAND, LIGHTWEIGHT AGREGATES, AND MINERAL OXIDE PIGMENTS

MEMBRANE FLASHING MANUFACTURERS: "PERM-A-BARRIER" WALL FLASHING AND "PERM-A-BARRIER" PRIMER

INSTALLATION

SET AND APPLY STONE IN ACCORDANCE WITH MANUFACTURER'S PRODUCT DATA

LAY STONE HORIZONTALLY, IN RANDOM PATTERN, KEEPING JOINT WIDTH TO A MINIMUM, FOR APPEARANCE DESIRED

DO NOT EXPOSE ENDS OF CUT STONE. ENDS SHALL BE FACTORY FINISH

DIVISION 05 - METALS

05100 - STRUCTURAL METAL FRAMING

REFERENCE STRUCTURAL DRAWINGS FOR STEEL FRAMING SPECIFICATIONS

05400 - COLD-FORMED METAL FRAMING

METAL STUDS:

INSTALL METAL FRAMING SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S PRINTED OR WRITTEN INSTRUCTIONS AND RECOMMENDATIONS, UNLESS OTHERWISE INDICATED. INSTALL CONTINUOUS TRACK - SIZED TO MATCH STUDS. SECURE TRACKS AS RECOMMENDED BY STUD MANUFACTURER FOR TYPE OF CONSTRUCTION INVOLVED.

SET STUDS PLUMB, EXCEPT AS NEEDED FOR DIAGONAL BRACING OR REQUIRED FOR NON-PLUMB WALLS OR WARPED SURFACES.

INSTALL SUPPLEMENTARY FRAMING, BLOCKING AND BRACING IN METAL FRAMING SYSTEM WHENEVER WALL OR PARTITIONS ARE INDICATED TO SUPPORT FIXTURES, EQUIPMENT, SERVICES, CASEWORK, HEAVY TRIM AND FURNISHINGS AND SIMILAR WORK.

SECURE STUDS TO TOP AND BOTTOM RUNNER TRACKS BY EITHER WELDING OR SCREW FASTENING AT BOTH INSIDE AND OUTSIDE FLANGES.

INSTALL HORIZONTAL STIFFENERS IN STUD SYSTEM AS REQUIRED, SPACE (VERTICAL DISTANCE AT NO MORE THAN 4'-6" O.C.

05500 - METAL FABRICATION

CUSTOM FABRICATE FERROUS METAL ITEMS 16 GAUGE AND HEAVIER. REFER TO DRAWINGS AND DETAILS.

EXTERIOR ALUMINUM:

REFERENCE DRAWINGS AND FOLLOW ALL APPLICABLE CODES, REGULATIONS, AND STANDARDS FOR ALUMINUM PRODUCTS

ALL STAIRWAYS, PLATFORMS, TREADS, AND LANDINGS OF STEEL STAIRS ARE TO BE CAPABLE OF WITHSTANDING A UNIFORM LOAD OF 100LB PER SF AND A CONCENTRATED LOAD OF 300 LB ON AN AREA OF 4 SQUARE INCHES IN THE CENTER OF THE TREAD

PROVIDE SHOP DRAWINGS DETAILING FABRICATION AND ERECTION

FURNISH BENT OR OTHERWISE CUSTOM FABRICATED BOLTS, PLATES, ANCHORS, HANGERS, DOWELS, AND OTHER MISCELLANEOUS STEEL AND IRON SHAPES AS REQUIRED FOR FRAMING AND SUPPORTING WOODWORK AND OTHER MATERIALS, AND FOR SECURING WOODWORK AND OTHER MATERIALS TO CONCRETE OR OTHER STRUCTURES

FABRICATE STEEL LADDERS FOR THE LOCATIONS SHOWN, WITH DIMENSIONS, SPACINGS, AND ANCHORAGES AS INDICATED

LAUNDRY TRENCH GRATE MANUFACTURER: "STANDARD", 1"x1"x4"; FIBERGRATE COMPOSITE STRUCTURES (603-472-9781)

05700 - ORNAMENTAL METAL

QUALITY ASSURANCE:

RAILING SYSTEMS ARE BASED UPON STERLINGDULA ARCHITECTURAL PRODUCTS, INC., AS A STANDARD OF QUALITY

RAILING ASSEMBLIES (INCLUDING TOP RAIL, BOTTOM RAIL, PICKETS, POST, AND CONNECTIONS) SHALL BE DESIGNED TO CONFORM WITH ALL APPLICABLE BUILDING CODES AND LOADING REQUIREMENTS

DIVISION 06 - WOOD AND PLASTICS

06100 - ROUGH CARPENTRY

WOOD FRAMING:

SEE STRUCTURAL DRAWINGS

WOOD TRUSSES:

SEE STRUCTURAL DRAWINGS

WOOD PRODUCTS, GENERAL:

LUMBER: DOC PS 20 AND APPLICABLE RULES OF LUMBER GRADING AGENCIES CERTIFIED BY THE AMERICAN LUMBER STANDARDS COMMITTEE BOARD OF REVIEW

DIVISION 06 - WOOD AND PLASTICS

ENGINEERED WOOD PRODUCTS: PROVIDE ENGINEERED WOOD PRODUCTS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION AND FOR WHICH CURRENT MODEL CODE RESEARCH OR EVALUATION REPORTS EXIST THAT SHOW COMPLIANCE WITH BUILDING CODE IN EFFECT FOR THE PROJECT

WOOD PRESERVATIVE TREATED MATERIALS:

PRESERVATIVE TREATMENT BY PRESSURE PROCESS: AWPA C2 (LUMBER) AND AWPA C9 (PLYWOOD), EXCEPT LUMBER THAT IS NOT IN CONTACT WITH THE GROUND OR CONCRETE AND IS CONTINUOUSLY PROTECTED FROM LIQUID WATER MAY BE TREATED ACCORDING TO AWPA C31 WITH INORGANIC BORON (SBX)

06200 - FINISH CARPENTRY

QUALITY ASSURANCE:

PERFORM FINISH CARPENTRY WORK IN ACCORDANCE WITH AWI QUALITY STANDARDS, PREMIUM GRADE.

USE FULL LENGTH PIECES, MITER ALL JOINTS, SHOULDER JOINT AT DOOR JAMBS. FILL ALL NAIL HOLES AND SAND SMOOTH.

WOOD TRIM INTERIOR:
6.1.2 WOOD TRIM INTERIOR:

VERTICAL GRAIN, POPLAR, SURFACE ALL EXPOSED EDGES.

EXPOSED WOOD AT EXTERIOR:

RESAWN DOUGLAS FIR, NO KNOTS, STAIN GRADE.

INTERIOR STANDING AND RUNNING TRIM:

HARDWOOD LUMBER: PS 58; PREMIUM GRADE IN ACCORDANCE WITH AWI, MAX MOISTURE CONTENT OF 15%

NOMINAL SIZES ARE INDICATED, EXCEPT AS SHOWN BY DETAILED DIMENSIONS

FIRE RETARDANT TREATED (FRT) LUMBER- INTERIOR WOOD: PYRO-GUARD. EXTERIOR WOOD: EXTERIOR FIRE-X

06400 - ARCHITECTURAL WOODWORK

PLASTIC LAMINATE COUNTERTOPS, APRONS, BACKSPASHES:

PLASTIC LAMINATE: STANDARD GRADE. 1/16" THICK, GENERAL PURPOSE MATERIAL AND COMPLY WITH CURRENT NEMA STANDARD AND LD-3 AND ANSI A161.2. SEE FINISH SCHEDULE FOR PATTERN AND COLOR

PREMANUFACTURED CASEWORK (SUITE KITCHENS):

STYLE: REFER TO ELEVATIONS/DETAILS IN CONSTRUCTION DOCUMENTS FOR RAISED PANEL. COLOR: TO MATCH WILSONART STANDARD COLORS.

STAIR HANDRAILS:

2" DIA (MAX) OD PAINTED STEEL PIPE: TRANSPARENT. BRACKETS: 4'-0" O.C. MAX. SEE DRAWINGS

EXECUTION:

VERIFY ADEQUACY OF BACKING AND SUPPORT FRAMING

INSTALLATION OF MILLWORK:

ALL CABINETS, COUNTERTOPS AND SHELVING SHALL BE INSTALLED AS SHOWN ON DRAWINGS AND AS SPECIFIED BY MANUFACTURER

ATTIC LOUVERS: PRE-PAINTED STEEL. OR EQUAL

06600 - CAST MARBLE

VANITY TOPS & THRESHOLDS: MINCEY MARBLE MFG., INC., GAINESVILLE, GEORGIA (800) 533-1806

LAVATORY BOWLS:

COMPARABLE BOWL SUPPLIED BY CULTURED MARBLE MANUFACTURER

SUPPLY THRESHOLD AT BATHROOM DOOR. COLOR: #800, AURORA

TUB/SHOWER SURROUNDS:

HOMOGENEOUS 1/4" THICK MOLDED PANELS, HEIGHT TO BE EXTENDED TO CEILING. NO HORIZONTAL SEAMS PERMITTED. PROVIDE ONE PIECE FOR EACH WALL. JOINTS AT CORNERS ONLY. SURROUNDS TO BE CAST MARBLE WALL PANELS WITH 8" x 8" SIMULATED TILE; INSTALLED AS INDICATED. COLOR: #800, AURORA. (SEE FINISH SCHEDULE)

SHOWER BASES:

PROVIDE TO MATCH CAST MARBLE WALL PANELS

WINDOW SILLS:

SUPPLY WINDOW SILLS AT EACH WINDOW

DIVISION 07 - THERMAL & MOISTURE...

07 - GENERAL NOTES

FIXED WINDOWS (GLASS SHALL BE SEALED TO LIMIT AIR INFILTRATION).

HOLLOW METAL OR SOLID CORE WOOD DOORS: PROVIDE VINYL OR SHEET METAL WEATHER SEAL AT HEAD, JAMB AND SILL AT ALL EXTERIOR DOORS.

EXTERIOR STORE FRONT HINGED DOORS: PROVIDE VINYL SEAL AT SILL AND CONTINUOUS PILE WEATHER-STRIP VERTICALLY AND AT TOP RAILS.

OPEN EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATION, BETWEEN WALLS AND ROOF, BETWEEN WALL PANELS, AT PENETRATION OF UTILITIES THROUGH THE ENVELOPE, SHALL BE SEALED CAULKED OR WEATHER-STRIPPED TO LIMIT AIR LEAKAGE.

DIVISION 07 - THERMAL & MOISTURE...

07100 - DAMPROOFING AND WATERPROOFING

PROVIDE PRODUCTS THAT ARE RECOMMENDED BY MANUFACTURER TO BE FULLY COMPATIBLE WITH INDICATED SUBSTRATES

"CCW MIRA DRI 860/861 AND PROTECTIVE BOARD CCW 200 V/300 HV"; CARLISLE COATINGS AND WATERPROOFING INC.

INSTALLATION:

COMPLY WITH MANUFACTURER'S WRITTEN INSTALLATION RECOMMENDATIONS, PREPARATION OF SUBSTRATE SURFACES, DETAIL COATINGS OF JOINTS AND PLANAR CHANGES IN SUBSTRATE, AND PRIMING OF SUBSTRATES

PROTECTING AND CLEANING:

PROTECT WATERPROOFING FROM DAMAGE AND WEAR DURING APPLICATION AND REMAINDER OF CONSTRUCTION PERIOD, ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS

WATER REPELLENTS: HYDROZO ENVIROSEAL DOUBLE 7"; HARRIS SPECIALTY CHEMICALS

VERIFY SURFACES TO RECEIVE WATER REPELLENT COATINGS ARE CLEAN, FREE OF EFFLORESCENCE, OIL, GREASE, OR OTHER FOREIGN MATTER DETRIMENTAL TO APPLICATION

07200 - THERMAL PROTECTION

APPLY INSULATION UNITS TO SUBSTRATE BY METHOD INDICATED, COMPLYING WITH MANUFACTURER'S RECOMMENDATIONS

COMPLY WITH MANUFACTURER'S INSTRUCTIONS FOR PARTICULAR CONDITIONS OF INSTALLATION IN EACH CASE

CORRDINATE THIS WORK WITH ALL TRADES AND PROTECT IT AFTER INSTALLATION

WORK INCLUDED: FURNISH AND INSTALL RIGID, THERMAL BATT, AND SOUND BATT INSULATION.

RIGID POLY-ISO INSULATION: R30

BATT INSULATION: R-19, R-13, R-11 AS SHOWN ON PLANS, KRAFT FACED WITH STUD WALL CONSTRUCTION, FOIL REINFORCED KRAFT FACING (FRK FOR STUD APPLICATION IN ATTIC AREAS) (FS-25) WITH FLAME SPREAD OF 25. AS MANUFACTURED BY OWENS/CORNING FIBERGLASS, OR EQUAL.

SOUND BATT INSULATION: NON-COMBUSTIBLE MINERAL FIBERGLASS BATTS WITH MINIMUM 3 1/2" THICKNESS.

VAPOR BARRIER: TRANSLUCENT POLYETHYLENE FILM FOR USE IN ABOVE GRADE BUILDING CONSTRUCTION, 6 MIL MINIMUM THICKNESS. (INTERIOR ONLY)

UNFACED GLASS FIBER BATT INSULATION: OWENS-CORNING FIBERGLASS CORP.

EXTRUDED POLYSTRENE FOAM BOARD INSULATION-FOUNDATION WALLS AND UNDER SLAB: "STYROFOAM SQUARE EDGE"; DOW CHEMICAL COMPANY

AIR-INFILTRATION BARRIERS: FLUID APPLIED; STO "GOLD" OR EQUAL.

07240 - E.I.F.S.

WORK INCLUDED:

ALL MATERIALS AND INSTALLATION OF AN EIFS SYSTEM.

DESIGN REQUIREMENTS: CONFORM IN ALL RESPECTS TO MANUFACTURER'S SPECIFICATIONS FOR MATERIALS AND INSTALLATION PER STO THERM SPECIFICATION FOR STO THERM E100 ESSENCE SYSTEM

DRYVIT MAY BE SUBSTITUTED AS AN ALTERNATE EIFS MANUFACTURER.

MEET ALL LOCAL BUILDING CODE REQUIREMENTS.

MOISTURE CONTROL: PREVENT THE ACCUMULATION OF WATER BEHIND THE EIFS SYSTEM, EITHER BY CONDENSATION OR LEAKAGE THROUGH THE WALL CONSTRUCTION, IN THE DESIGN AND DETAILING OF THE WALL ASSEMBLY. CONFORM WITH ALL DETAILS OF MANUFACTURER'S SPECIFICATIONS.

IMPACT RESISTANCE: PROVIDE ULTRA-HIGH IMPACT RESISTANCE TO A MINIMUM HEIGHT OF 6'-0" ABOVE FINISHED GRADE AT ALL AREAS ACCESSIBLE TO PEDESTRIAN TRAFFIC AND OTHER AREAS EXPOSED TO ABNORMAL STRESS OR IMPACT. INDICATE THE AREAS WITH IMPACT RESISTANCE OTHER THAN "STANDARD" ON CONTRACT DRAWINGS.

COLOR SELECTION: AS SELECTED BY THE OWNER FROM MANUFACTURER'S STANDARD COLORS.

JOINTS: PER MANUFACTURER'S SPECIFICATION

GRADE CONDITION: DO NOT INSTALL EIFS BELOW GRADE.

PROJECTING ARCHITECTURAL FEATURES AND REVEALS: ALL TRIM AND PROJECTING ARCHITECTURAL FEATURES MUST HAVE A MINIMUM 1:2 SLOPE ALONG THEIR TOP SURFACE ALL HORIZONTAL REVEALS MUST HAVE A MINIMUM 1:2 SLOPE ALONG THEIR BOTTOM SURFACE INCREASE SLOPE FOR NORTHERN CLIMATES TO PREVENT ACCUMULATION OF ICE/SNOW AND WATER ON SURFACE WHERE TRIM FEATURE OR BOTTOM SURFACE OF REVEAL PROJECTS MORE THAN 2 INCHES FROM THE FACE OF THE EIFS WALL PLANE, PROTECT THE TOP SURFACE WITH WATERPROOF BASE COAT. PERIODIC INSPECTIONS AND INCREASED MAINTENANCE MAY BE REQUIRED TO MAINTAIN SURFACE INTEGRITY OF EIFS ON WEATHER EXPOSED SLOPED SURFACES.

INSULATION THICKNESS: MINIMUM EPS INSULATION THICKNESS IS 1 INCH.

DIVISION 07 - THERMAL & MOISTURE...

FIRE PROTECTION: REFER TO MANUFACTURER'S APPLICABLE CODE COMPLIANCE REPORT FOR LIMITATIONS THAT MAY APPLY.

QUALITY ASSURANCE:

MANUFACTURER REQUIREMENTS: MEMBER IN GOOD STANDING OF THE EIFS INDUSTRY MEMBERS ASSOCIATION, AND (EIMA). SYSTEM MANUFACTURER FOR A MINIMUM OF TWENTY (20) YEARS, AND MANUFACTURING FACILITIES ISO 9001-2000 CERTIFIED QUALITY SYSTEM.

CONTRACTOR REQUIREMENTS: ENGAGED IN APPLICATION OF EIFS FOR A MINIMUM OF THREE (3) YEARS; AND EMPLOY SKILLED MECHANICS WHO ARE EXPERIENCED AND KNOWLEDGEABLE IN EIFS APPLICATION; AND DEMONSTRATE SUCCESSFUL COMPLETION OF MINIMUM OF THREE (3) PROJECTS OF SIMILAR SIZE AND COMPLEXITY TO THE SPECIFIED PROJECT.

INSULATION BOARD MANUFACTURER REQUIREMENTS: RECOGNIZED BY STO AS CAPABLE OF PRODUCING INSULATION BOARD; AND LISTED BY AN APPROVED AGENCY. LABEL INSULATION BOARD WITH INFORMATION REQUIRED BY STO, THE APPROVED LISTING AGENCY AND THE APPLICABLE BUILDING CODE.

INSPECTIONS: PROVIDE INDEPENDENT THIRD PARTY INSPECTION WHERE REQUIRED BY CODE OR CONTRACT DOCUMENTS CONDUCT INSPECTIONS IN ACCORDANCE WITH CODE REQUIREMENTS AND CONTRACT DOCUMENTS.

DELIVERY STORAGE AND HANDLING: AS SPECIFIED BY MANUFACTURER.

COORDINATION: THE WORK IN THIS SECTION REQUIRES CLOSE COORDINATION WITH RELATED SECTIONS AND TRADES.

PROVIDE SITE GRADING SUCH THAT EIFS TERMINATES ABOVE FINISHED GRADE A MINIMUM OF 6 INCHES (152MM) OR AS REQUIRED BY CODE. (PROVIDE HARDCOAT WHERE SHOWN BELOW)

PROVIDE PROTECTION OF ROUGH OPENINGS BEFORE INSTALLING WINDOWS, DOORS AND OTHER PENETRATIONS THROUGH THE WALL AND PROVIDE SILL FLASHING.

INSTALL WINDOW AND DOOR HEAD FLASHING IMMEDIATELY AFTER WINDOWS AND DOORS ARE INSTALLED.

INSTALL DIVERTER FLASHING WHEREVER WATER CAN ENTER THE WALL ASSEMBLY TO DIRECT WATER TO THE EXTERIOR.

INSTALL COPINGS AND SEALANT IMMEDIATELY AFTER INSTALLATION OF THE EIFS SYSTEM AND WHEN EIFS COATINGS ARE DRY.

ATTACH PENETRATIONS THROUGH EIFS TO STRUCTURAL SUPPORT AND PROVIDE WATER TIGHT SEAL AT PENETRATIONS.

PRODUCTS: PROVIDE EIFS SYSTEM AND ACCESSORIES FROM SINGLE SOURCE

MANUFACTURER OR APPROVED SUPPLIER. THE FOLLOWING ARE ACCEPTABLE MANUFACTURERS: STO CORP. EIFS; OTHER MANUFACTURER IF APPROVED IN WRITING BY THE OWNER.

INSULATION BOARD: NOMINAL 1.0 LB/FT3 (16 KG/M3) EXPANDED POLYSTYRENE (EPS) INSULATION BOARD IN COMPLIANCE WITH ASTM E2430 AND ASTM C578 TYPE 1 REQUIREMENTS.

BASE COAT AS SPECIFIED BY MANUFACTURER.

REINFORCING MESHES AS SPECIFIED BY MANUFACTURER.

FINISH COAT: STO ESSENCE DPR FINISH, ACRYLIC BASED TEXTURED WALL COATING WITH GRADED MARBLE AGGREGATE AND DIRT PICK-UP RESISTANCE TECHNOLOGY.

EXECUTION:

INSTALLATION: INSTALL EIFS IN COMPLIANCE WITH MANUFACTURER'S PUBLISHED INSTRUCTIONS.

PROTECTION: PROVIDE PROTECTION OF INSTALLED MATERIALS FROM WATER INFILTRATION INTO OR BEHIND THEM. PROVIDE PROTECTION OF INSTALLED MATERIALS FROM DUST, DIRT, PRECIPITATION, FREEZING AND CONTINUOUS HIGH HUMIDITY UNTIL THEY ARE FULLY DRY.

VAPOR BARRIER

ALL EXTERIOR SHEATHING SHOWN IN DRAWINGS CALLED OUT TO RECEIVE "WRB" (WATER RESISTIVE BARRIER) OR VAPOR BARRIER SHALL RECEIVE THE FOLLOWING:

MANUFACTURER: STO CORPORATION (www.stocorp.com)

SPECIFICATION: STO GUARD WITH GOLD COAT A1000G

SUBSTITUTIONS: NOT ALLOWED

INSTALLATION: INSTALL PER MANUFACTURER'S INSTRUCTIONS/SPECIFICATIONS

07300 - METAL ROOFING

ACCESSORIES:

FELT UNDERLAYMENT: TWO LAYERS OF TYPE I, 36" WIDE, ASPHALT-SATURATED ORGANIC FELT

PERIMETER UNDELAYMENT: POLYTHYLENE-SHEET-BACKED RUBBERIZED ASPHALT MEMBRANE, 40 MILS THICK.

"BITUTHENE ICE AND WATER SHIELD"

FLASHING:

FLASHING FURNISH SHEET METAL MATERIALS: VENT PIPE FLASHING, VENT PIPE CAP.

EXECUTION:

DIVISION 07 - THERMAL & MOISTURE...

COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS OF SHINGLE MANUFACTURER, EXCEPT TO EXTENT MORE STRINGENT REQUIREMENTS ARE INDICATED, BUT IN NO CASE LESS THAN RECOMMENDED BY THE "NRCA STEEP ROOFING MANUAL", AND TO MEET THE REQUIREMENTS OF UL CLASS A

FELT UNDERLAYMENT: APPLY ONE LAYER OF FELT HORIZONTALLY OVER ENTIRE SURFACE

07500 - MEMBRANE ROOFING

MATERIALS: PROVIDE DURO-LAST ROOFING AND BASE FLASHING AS MANUFACTURED BY DURO-LAST ROOFING SYSTEMS. PRODUCT AND INSTALLATION SHALL CONFORM TO MANUFACTURERS SPECIFICATION AND THE CODE. REFER TO ROOF PLAN FOR ADDITIONAL INFORMATION.

INSTALLATION: ROOFING SHALL BE INSTALLED BY MANUFACTURER CERTIFIED INSTALLER. ROOFING SHALL BE INSTALLED OVER WOOD DECK OR INSULATED DECK, WHERE APPLICABLE, IN STRICT ACCORDANCE WITH THE MANUFACTURER'S LATEST RECOMMENDATIONS. PRIME ALL METAL FLASHING, ETC. THAT SHALL BE IN CONTACT WITH ROOFING MATERIALS.

WARRANTY: GENERAL CONTRACTOR SHALL FURNISH A FIFTEEN (15) YEAR, NO DOLLAR LIMIT (NDL), WARRANTY FOR THIS INSTALLATION.

07600 - FLASHING AND SHEET METAL

COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENCATIOS FOR HANDLING AND INSTALLATION OF FLASHING AND SHEET METAL WORK

FABRICATE SHEET METAL FLASHING AND TRIM TO COMPLY WITH RECOMMENDATIONS OF SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL" THAT APPLY TO THE DESIGN, DIMENSIONS, METAL, AND OTHER CHARACTERISTICS OF THE ITEM INDICATED

WALL FLASHING: "PERM-A-BARRIER" WALL FLASHING AND "PERM-A-BARRIER" PRIMER AS MANUFACTURED BY W.R. GRACE & COMPANY

FURNISH AND INSTALL ALL FLASHING, SHEET METAL, PITCH POCKET PANS AND SCUPPERS NOT SPECIFICALLY DESCRIBED IN OTHER SECTIONS OF THESE SPECIFICATIONS, BUT REQUIRED TO PREVENT WATER PENETRATION THROUGH EXTERIOR BUILDING SHELL, INCLUDING FLASHING, CAPS, AND ROOF EQUIPMENT PLATFORM COVERS.

INSTALL SHEET METAL FLASHING AND TRIM TO COMPLY WITH PERFORMANCE REQUIREMENTS, MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND SMCNA'S "ARCHITECTURAL SHEET METAL MANUAL". ANCHOR UNITS OF WORK SECURELY IN PLACE BY METHODS INDICATED, PROVIDING FOR THERMAL EXPANSION OF METAL UNITS; CONCEAL FASTENERS WHERE POSSIBLE, AND SET UNITS TRUE TO LINE AND LEVEL AS INDICATED. INSTALL WORK WITH LAPS, JOINTS, AND SEAMS THAT WIL BE PERMANENTLY WATERTIGHT AND WEATHERPROOF.

INSTALL SHEET METAL OVER A LAYER OF ROOFING FELT.

GALVANIZED IRON: SHEET METAL OR IRON SHALL BE A STANDARD BRAND OF OPEN-HEARTH, COPPER-BEARING STEEL, COPPER-MOLYBDENUM IRON, OR PURE IRON SHEETS. USE 24 GAUGE MINIMUM UNLESS OTHERWISE CALLED FOR ON THE DRAWINGS.

ZINC COATING: ALL GALVANIZED SHEETS SHALL HAVE A ZINC COATING APPLIED BY HOT-DIP PROCESS TO ALL SURFACES. ZINC COATING SHALL WEIGH NOT LESS THAN 1 1/4 OUNCES PER SQ. FT. NOR MORE THAN 1 1/2 OUNCES PER SQ. FT. OF SURFACES COVERED AND SHALL CONFORM WITH ASTM A-93.

07700 - ROOF SPECIALTIES AND ACCESSORIES

THE WORK OF THIS SECTION INCLUDES THE PROVIDING AND INSTALLING OF ACCESSORIES TO BE INSTALLED ON THE ROOF AND FLASHED TO PROVIDE A WATERTIGHT INSTALLATION.

07800 - FIRESTOPPING

MANUFACTURERS: 3M BRAND FIRE PROTECTION PRODUCTS

INSTALLATION THROUGH-PENETRATION FIRESTOPS:

COMPLY WITH THE "SYSTEM PERFORMANCE REQUIREMENTS" AND THE THROUGH-PENETRATION FIRESTOP MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DRAWINGS PERTAINING TO PRODUCTS AND APPLICATIONS INDICATED

INSTALL FORMING/DAMMING MATERIALS AND OTHER ACCESSORIES OF TYPES REQUIRED TO SUPPORT FILL MATERIALS DURING THEIR APPLICATION AND IN THE POSITION NEEDED TO PRODUCE THE CROSS-SECTIONAL SHAPES AND DEPTHS REQUIRED TO ACHIEVE FIRE RATINGS OF DESIGNATED THROUGH-PENETRATION FIRESTOP SYSTEMS. AFTER INSTALLATION, REMOVE COMBUSTIBLE FORMING MATERIALS AND OTHER ACCESSORIES NOT INDICATED AS PERMANENT COMPONENTS OF FIRESTOP SYSTEM

DIVISION 07 - THERMAL & MOISTURE...

INSTALL FILL MATERIALS FOR THROUGH-PENETRATION FIRESTOP SYSTEM BY PROVEN TECHNIQUES TO PRODUCE THE FOLLOWING RESULTS: COMPLETELY FILL VOIDS AND CAVITIES FORMED BY OPENING, FORMING MATERIALS, ACCESSORIES, AND PENETRATING ITEMS. APPLY MATERIAL SO THEY CONTACT AND ADHERE TO SUBSTRATES FORMED BY OPENING AND PENETRATING ITEMS. FOR FILL MATERIALS THAT WILL REMAIN EXPOSED AFTER COMPLETING WORK, FINISH TO PRODUCE SMOOTH, UNIFORM SURFACES THAT ARE FLUSH WITH ADJOINING FINISHES

07900 - JOINT SEALERS

WORK SHALL INCLUDE PROVIDING SEALANT AT INTERSECTION OF CONSTRUCTION COMPONENTS WITHIN AND EXTERIOR TO BUILDING.

EXTERIOR JOINTS IN THE FOLLOWING SURFACES: CONTROL AND EXPANSION JOINTS IN CAST-IN-PLACE CONCRETE, UNIT MASONRY, CEILING AND OVERHEAD SURFACES. JOINTS IN EXTERIOR INSULATION AND FINISH SYSTEM (EIFS). JOINTS BETWEEN METAL PANELS. PERIMETER JOINTS BETWEEN MATERIALS LISTED ABOVE AND FRAMES OF DOORS AND WINDOWS. UNDER THRESHOLDS AND REFRIGERANT LINES AND OTHER DIV 15 AND 16 ITEMS ENTERING BUILDING.JOINTS IN COPING CAPS AND EXPOSED ROOF COUNTER FLASHING. OTHER JOINTS AS INDICATED

EXTERIOR JOINTS IN THE FOLLOWING HORIZONTAL TRAFFIC SURFACES:

CONTROL, EXPANSION AND ISOLATION JOINTS IN CAST-IN-PLACE CONCRETE SLABS. JOINTS BETWEEN DIFFERENT MATERIALS LISTED ABOVE AND OTHER JOINTS AS INDICATED.

INTERIOR JOINTS IN THE FOLLOWING VERTICAL SURFACES AND HORIZONTAL NONTRAFFIC SURFACES:

CONTROL AND EXPANSION JOINTS ON EXPOSED INTERIOR SURFACES OF EXTERIOR WALLS. PERIMETER JOINTS OF EXTERIOR OPENINGS WHERE INDICATED. TILE CONTROL AND EXPANSION JOINTS. PERIMETER JOINTS BETWEEN INTERIOR WALL SURFACES AND FRAMES OF INTERIOR DOORS, WINDOWS, AND ELEVATOR ENTRANCES. JOINTS BETWEEN PLUMBING FIXTURES AND ADJOINING WALLS, FLOORS AND COUNTERS. EDGE OF ALL VINYL WALLCOVERING INSTALLATIONS AT JUNCTIONS WITH OTHER MATERIALS, INCLUDING CEILING JOINT. BOTTOM EDGE OF MIRROR CHANNELS. TOP OF TUB SURROUND. OTHER JOINTS AS INDICATED.

CONTROL AND EXPANSION JOINTS IN TILE FLOORING AND CAST-IN-PLACE CONCRETE SLABS. JOINTS AT COUNTERTOPS, VANITIES, UNDER THRESHOLDS EXCEPT MARBLE. DOOR BUCKS NOT FLUSH WITH THRESHOLDS. TUBS, LAVATORIES, WATER CLOSETS, AND OTHER PLUMBING FIXTURES. PERIMETERS OF FIXED KITCHEN EQUIPMENT. JOINTS OF MIRRORS IN WET AREAS. OTHER JOINTS AS INDICATED

EXAMINE JOINTS INDICATED TO RECEIVE JOINT SEALERS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR JOINT CONFIGURATION, INTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING THE SEALER PERFORMANCE. DO NOT PROCEED WITH INSTALLATION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. BEGINNING OF INSTALLATION MEANS ACCEPTANCE OF ALL EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR CORRECTING ALL UNSATISFACTORY AND DEFECTIVE WORK AT HIS EXPENSE

COMPLY WITH JOINT SEALER MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS APPLICABLE TO PRODUCTS AND APPLICATIONS INDICATED, EXCEPT WHERE MORE STRINGENT REQUIREMENTS APPLY. SURFACES AND AIR TEMPERATURE SHALL BE GREATER THAN 30 DEGREES F AND LESS THAN 100 DEGREES F.

DIVISION 08 - DOORS & WINDOWS

08050 - BASIC DOOR AND WINDOW MATERIALS AND METHODS

EXTERIOR WINDOW AND DOORS:
WINDOWS AND DOORS INSTALLED IN EXTERIOR WALLS SHALL CONFORM TO THE TESTING AND PERFORMANCE REQUIREMENTS OF IBC SECTION 1714.5. INSTALLATION.

WINDOW AND DOORS SHALL BE INSTALLED IN ACCORDANCE WITH APPROVED MANUFACTURER'S INSTRUCTIONS. FASTENER SIZE AND SPACING SHALL BE PROVIDED IN SUCH INSTRUCTIONS AND SHALL BE CALCULATED BASED ON MAXIMUM LOADS AND SPACING USED IN THE TESTS. EXTERIOR WINDOW AND DOOR ASSEMBLIES. THE DESIGN PRESSURE RATING OF EXTERIOR WINDOWS AND DOORS IN BUILDINGS SHALL BE DETERMINED IN ACCORDANCE WITH SECTION 1714.5.1 OR 1714.5.2, EXCEPTION: STRUCTURAL WIND LOAD DESIGN PRESSURES FOR WINDOW UNITS SMALLER THAN THE SIZE TESTED IN ACCORDANCE WITH SECTION 1714.5.1 OR 1714.5.2 SHALL BE PERMITTED TO BE HIGHER THAN THE DESIGN VALUE OF THE TESTED UNIT PROVIDED SUCH HIGHER PRESSURES ARE DETERMINED BY ACCEPTED ENGINEERING ANALYSIS. ALL COMPONENTS OF THE SMALL UNIT SHALL BE THE SAME AS THE TESTED UNIT. WHERE SUCH CALCULATED DESIGN PRESSURES ARE USED, THEY SHALL BE VALIDATED BY AN ADDITIONAL TEST OF THE WINDOW UNIT HAVING THE HIGHEST ALLOWABLE DESIGN PRESSURE.

EXTERIOR WINDOWS AND GLASS DOORS SHALL BE LABELED AS CONFORMING TO AAMA/NWWDA 101/1.S.2. OR 101/1.S.2/NAFS. THE LABEL SHALL STATE THE NAME OF THE MANUFACTURER, THE APPROVED LABELING AGENCY AND THE PRODUCT DESIGNATION AS SPECIFIED IN AAMA/NWWDA 101/1.S.2 OR 101/1.S.2/NAFS. PRODUCTS TESTED AND LABELED AS CONFORMING TO AAMA/NWWDA 101/1.S.2 OR 101/I.S.2/NAFS SHALL NOT BE SUBJECT TO THE REQUIREMENTS OF SECTIONS 2403.2 AND 2403.3. EXTERIOR WINDOWS AND DOOR ASSEMBLIES NOT PROVIDED FOR IN SECTION 1714.5.1. EXTERIOR WINDOW AND DOOR ASSEMBLIES SHALL BE TESTED IN ACCORDANCE WITH ASTM E330. EXTERIOR WINDOW AND DOOR ASSEMBLIES CONTAINING GLASS SHALL COMPLY WITH SECTION 2403. THE DESIGN PRESSURE FOR TESTING SHALL BE CALCULATED IN ACCORDANCE WITH CHAPTER 16. EACH ASSEMBLY SHALL BE TESTED FOR 10 SECONDS AT A LOAD EQUAL TO 1.5 TIMES THE DESIGN PRESSURE.

08100 - METAL DOORS AND FRAMES

FABRICATE AND INSTALL HOLLOW METAL UNITS AND THEIR ACCESSORIES IN STRICT ACCORDANCE WITH THE MANUFACTURER'S DATA

HOLLOW METAL FRAMES:

ALL EXTERIOR METAL FRAMES FOR DOORS SHALL BE FORMED OF STEEL TO SIZES AND SHAPES INDICATED. FRAMES SHALL BE FABRICATED WITH FULL WELDED UNIT TYPE CONSTRUCTION AT JOINTS

ALL FRAMES TO BE FABRICATED OF COLD ROLLED STEEL; MIN 16 GA. (1.4). EXTERIOR FRAMES "A-60" GALVANIZED

EXTERIOR FRAMES: ALL EXTERIOR FRAMES AND FRAMES SET IN MASONRY TO BE FACE WELDED AND GROUND SMOOTH AND RE-PIMED AT THE WELDED AREAS. PROVIDE TEMPORARY SHIPPING BARS, TEMPORARY BARS TO BE REMOVED PRIOR TO SETTING FRAMES.

WORK INCLUDED:

FURNISH AND INSTALL METAL DOORS AND DOOR FRAMES AS SHOWN ON THE DRAWINGS AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION.

MATERIALS:

DOORS AND FRAMES SHALL BE EQUIVALENT TO STEEL CRAFT, LABELED OR NON-LABELED AND SIZE AS INDICATED ON DRAWINGS.

INTERIOR STEEL DOORS SHALL BE FULL-FLUSH DESIGN L-18 (18 GAUGE) REINFORCED FOR FINISH HARDWARE AND WITH BAKED ON PRIME PAINT STEEL FRAMES SHALL BE FURNISHED KNOCKED DOWN, TYPE F-16 (16 GAUGE). MITERED CORNERS SHALL HAVE HEAVY REINFORCEMENTS WITH FOUR TABS FOR SECURING AND INTERLOCKING JAMB TO HEAD. PROPER REINFORCEMENT AND CUT-OUT FOR FINISH HARDWARE. FRAMES SUPPLIED WITH SUITABLE JAMB AND BASE ANCHORS, RUBBER BUMPERS AND PRIME PAINTED.

METAL FOR DOORS SHALL BE COLD-ROLLED, PICKLED AND OILED, STRETCHER LEVELED STEEL SHEETS WITH CLEAN, SMOOTH SURFACES.

DIVISION 08 - DOORS & WINDOWS

08200 - WOOD AND PLASTIC DOORS

PROVIDE AND INSTALL STANDARD SOLID-CORE, FLUSH WOOD DOORS.

PREHUNG INTERIOR WOOD DOOR AND FRAME UNITS

INSTALLATION:

PREHUNG DOOR UNITS: INSTALL DOOR/FRAME ASSEMBLY IN ACCORD WITH FABRICATOR'S PRODUCT DATA AND PRINTED INSTRUCTIONS

FIRE-RATED DOOR UNITS: INSTALL IN ACCORD WITH UL OR WHI REQUIREMENTS, AND NFPA NO.80 AND NO. 105.

FOR SUBMITTALS; SUBMIT SCHEDULES, ELEVATION AND FRAME DETAILS INDICATING DOOR SIZES, SWING, FIRE RATING, UNDERCUT AND HARDWARE LOCATIONS

FIRE-RATED DOORS AND FRAMES SHALL BE LABEL OF TESTING AND APPROVAL BY UNDERWRITERS LABORATORIES (UL)

ALL PRODUCTS SHALL COMPLY WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS. MOHAWK FLUSH DOORS, INC. IS CONSIDERED ACCEPTABLE.

INTERIOR PANEL DOORS:

PREFIT AND PREPARE FOR SPECIFIED HARDWARE. PREHAND IN JAMBS FURTHER SPECIFIED.

DOOR FINISH: INTERIOR UNIT DOORS-PAINT TO MATCH ADJACENT WALLS (SEE FINISH SCHEDULE)

FACE VENEER:

REFER TO COLOR AND DOOR SCHEDULES FOR LIST OF DOORS TO RECEIVE SCHEDULED FINISHES.

SOLID CORE:

MAT FORMED WOOD PARTICLE BOARD, TYPE 1. DENSITY, CLASS 1, COMMERCIAL STANDARD CS236-66, AS MANUFACTURER, BY U.S. PLYWOOD, GENERAL VENEER OR WEYERHAUSER.

DOORS SHALL BE MANUFACTURED PER MILL WORK STANDARDS OF THE ARCHITECTURAL WOODWORK INSTITUTE (AWI) FOR PREMIUM GRADE.

EDGE BANDING:

PAINTED FINISH: MILL OPTION

STAINED FINISH: MATCH FACE VENEER.

CUTOUTS FOR GLAZING OR LOUVERS SHALL HAVE HARDWOOD FRAMES AND STOPS.

ADHESIVES:

CONFORM TO CS 35 TYPE II, FOR INTERIOR DOORS AND TYPE I FOR EXTERIOR DOORS.

DOORS TO HAVE METAL LOUVERS AS INDICATED ON THE DRAWINGS SHALL BE 24 GAUGE WITH CHEVRON TYPE BLADES WITH FREE AIR 50% TOTAL AREA AND BE PRIME PAINTED.

PRE-FIT DOORS AT FACTORY WITH CLEARANCES OF 1/8" AT EACH VERTICAL EDGE AND AT TOP, 1/2" AT BOTTOM, AND 1/8" IN 2" BEVEL AT LOCK EDGE, 3/8" CLEARANCE ABOVE FLOOR WITHOUT THRESHOLD, 3/4" ABOVE FLOOR WITH THRESHOLD.

INSTALL DOORS TO COMPLY WITH MANUFACTURER'S INSTRUCTIONS. FIT DOORS TO FRAMES WITH UNIFORM CLEARANCE AND BEVELS. MACHINE DOORS FOR HARDWARE, IF REQUIRED. REFINISH OR REPLACE DOORS DAMAGED DURING INSTALLATION.

08300 - ACCESS DOORS

ACCESS DOORS SHALL COMPLY WITH STANDARDS AND SPECIFICATIONS ESTABLISHED BY STEEL DOOR INSTITUTE

PROVIDE UL LABEL ON EACH FIRE RATED ACCESS DOOR

ACCESS PANELS SHALL BE FLUSH WITH FINISHED WALL/CEILINGS, EXCEPT WHERE PANELS ARE IN ACOUSTIC TILE OR PANELING, THE DOOR SHALL BE RECESSED TO RECEIVE ADJACENT FINISH MATERIAL

ACCESS PANEL FINISHES SHALL BE COORDINATED WITH THE FINISH TREATMENT OF THE AREA

ACCESS UNITS:

WALL ACCESS DOORS (NON-RATED); "STYLE SR-III"; CESCO PRODUCTS (612-424-4919)

WALL ACCESS DOORS (FIRE-RATED): "FIRE RATED STYLE FB"; CESCO PRODUCTS (612-424-4919)

MOISTURE RESISTANT ACCESS DOORS (NON-RATED): LARSEN "L-MPSS" STAINLESS STEEL FRAME AND "L-MPSS" STAINLESS STEEL DOOR, BY LARSEN, WITH CONTINUOUS, OFFSET AND CONCEALED HINGE, SECURITY FASTENER. (800-527-7367)

CEILING ACCESS DOORS (NON-RATED): "MODEL RDW; KARP ASSOCIATES, INC. (800-888-4212)

CEILING ACCESS DOORS (FIRE-RATED): "MODEL KRP-350FR"; KARP ASSOCIATES, INC. (800-888-4212)

08400 - SLIDING AUTOMATIC ENTRANCE DOORS

BI-PARTING SLIDING UNIT, WITH FIXED SIDELITES

DIVISION 08 - DOORS & WINDOWS

"UNISLIDE OC2-14" (OVERHEAD CONCEALED) BESAM AUTOMATIC ENTRANCE SYSTEMS, INC. (866-237-2687)

SYSTEM SHALL CONSIST OF SLIDING ALUMINUM DOORS AND SIDELIGHTS, HEADER, OPERATOR, CYLINDERS, ACTUATING CONTROLS, AND DIRECTIONAL MOTION SENSORS. FINISH TO BE 5-YEAR KYNAR.

INTERIOR DOOR TO BE ACTIVATED DURING NIGHT-MODE BY REMOTE CARD READER OR PUSH BUTTON OVERRIDE LOCATED AT THE FRONT DESK FURNISHED BY OWNER

GLAZING: MATCH ADJACENT STOREFRONT SYSTEM

08460 - ALUMINUM ENTRANCES AND STOREFRONTS

SUBMIT SHOP DRAWINGS AND PRODUCT DATA AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.

SYSTEM TO PROVIDE FOR EXPANSION AND CONTRACTION WITHIN SYSTEM COMPONENTS

DESIGN FOR WINDLOAD OF 30 PSF WITH MAX DEFLECTION IN BOTH VERTICAL AND HORIZONTAL MULLIONS NOT TO EXCEED 1/175 OF SPAN

DRAIN WATER ENTERING JOINTS, CONDENSATION OCCURING IN GLAZING CHANNELS, OR MIGRATING MOISTURE OCCURING WITHIN SYSTEM, TO EXTERIOR.

FOR PURPOSE OF DESIGNATING DESIGN AND QUALITY OF ALUMINUM STOREFRONT SYSTEM, FIXED WINDOW SYSTEM, DRAWINGS AND SPECIFICATIONS ARE BASED ON THE FOLLOWING: STOREFRONT AND FIXED WINDOW FRAMING SYSTEM: INSULATED GLAZING (TEMPERED)-KAWNEER (TRIFAB VG45IT, BASIS FOR DESIGN)

ENTRY DOORS: STYLE-KAWNEER 500 WIDE STYLE BASIS FOR DESIGN

FINISH: SHALL BE TWO-COAT, SHOP-APPLIED, KYNAR 500 OR HYLAR 5000 BAKED ON 70% FLUOROPOLYMER COATING SYSTEM COMPLYING WITH AAMA 605.2. COLOR; DARK BRONZE

08500 - ALUMINUM WINDOWS

SUBMIT SHOP DRAWINGS AND PRODUCT DATA: WALL OPENING AND COMPONENT DIMENSIONS, WALL OPENING TOLERANCES REQUIRED; ANCHORAGE AND FASTENERS; AFFECTED RELATED WORK; AND INSTALLATION REQUIREMENTS AND INSTRUCTIONS

ALL WINDOWS IN ONE PROJECT MUST BE BY THE SAME MANUFACTURER AND WITH COMPARABLE FRAME DEPTH, PROFILE, GLAZING BITE AND INSTALLATION REQUIREMENTS. MANUFACTURER MUST PROVIDE A WINDOW SYSTEM THAT INCORPORATES ALL WINDOW CONFIGURATIONS USED ON THE PROJECT

CERTIFY THAT WINDOWS HAVE BEEN TESTED IN ACCORDANCE WITH ARCHITECTURAL ALUMINUM MANUFACTURERS ASSOCIATION (AAMA) SPECIFICATION FOR PERFORMANCE CLASS SPECIFIED COMPLYING WITH STRUCTURAL PROPERTIES: PRESSURE ACTING INWARD AND OUTWARD. DEFLECTION NOT TO EXCEED 1/175 OF SPAN.

SOUND PERFORMANCE: COMPLETE WINDOW ASSEMBLY SHALL BE TESTED TO MEET AN STC 32 MIN. RATING. PROVIDE TRIPLE GLAZED WINDOWS WITH A HIGHER STC RATING ON EACH OF THE FIRST AND SECOND FLOORS WHERE MECHANICAL CONDENSER UNITS ARE LOCATED OUTSIDE OF GUESTROOMS. SEE PLANS FOR TYPICAL LOCATIONS.

WINDOW UNITS: QUAKER WINDOWS & DOORS (573-744-5211) - HORIZONTAL SLIDING: SERIES 3050, HS-C30 OR EQUIVALENT AS APPROVED BY ARCHITECT.

ALL FASTENERS, TOOLS, EQUIPMENT AND OTHER MATERIALS NECESSARY FOR A COMPLETE INSTALLATION SHALL BE FURNISHED BY THIS CONTRACTOR

INSECT SCREENS: PROVIDE REMOVABLE INSECT SCREEN PANEL FOR EACH MOVEABLE GLAZED SASH.

STOPS: FOR OPERABLE WINDOWS, PROVIDE STOPS TO PREVENT OPENING GREATER THAN 4".

OPERATING SASH IN GUEST ROOMS TO BE LOCATED CLOSEST TO CENTER OF ROOM

GLASS MATERIALS:

INSULATING GLASS: MANUFACTURER'S STANDARD LOW "E" UNITS CONSISTING OF MANUFACTURERS SPECIAL DESIGN TO CONFORM TO REQUIRED STC AND THERMAL RATINGS, AS APPROVED BY THE ARCHITECT.

DIVISION 08 - DOORS & WINDOWS

FINISHES:

FINISH ON ALL EXPOSED COMPONENTS SHALL BE MANUFACTURER'S PREMIUM QUALITY ELECTROSTATICALLY APPLIED BAKED PAINT FINISH MEETING AAMA 2603 (FORMALLY AAMA 603). WHEN THE PROJECT IS LOCATED IN CLOSE PROXIMITY TO SALT WATER OR ADVERSE ENVIRONMENTAL CONDITIONS AAMA 2604 (FORMALLY AAMA 605) SHALL BE USED. COLOR: DARK BRONZE (VERIFY)

FABRICATION:

FABRICATE WINDOWS ALLOWING FOR MIN. CLEARANCES AND SHIM SPACING AROUND PERIMETER OF ASSEMBLY, YET ENABLING INSTALLATION

08700 - HARDWARE

SECURITY NOTES - SWINGING DOORS:

ALL PIN-TYPE HINGES WHICH ARE ACCESSIBLE FROM OUTSIDE THE SECURED AREA WHEN THE DOOR IS CLOSED SHALL HAVE NON-REMOVABLE HINGE PINS. IN ADDITION, THEY SHALL HAVE 1/4" MINIMUM DIAMETERS STEEL JAMB STUDS WITH 1/4" MINIMUM PROJECTION, UNLESS THE HINGES ARE SHAPED TO PREVENT DOOR REMOVAL IF HINGE PINS ARE REMOVED.

STRIKE PLATES FOR LATCHES AND HOLDING DEVICES FOR PROJECTING DEAD BOLTS IN WOOD CONSTRUCTION SHALL BE SECURED TO THE JAMB AND WALL FRAMING WITH SCREWS NOT LESS THAN 2-1/2" IN LENGTH.

DEAD BOLTS SHALL CONTAIN HARDENED INSERTS.

STRAIGHT DEAD BOLTS SHALL HAVE A MINIMUM THROW OF 1" AND AN EMBEDMENT OF NOT LESS THAN 5/8"

HOOK SHAPED OR EXPANDING LAG DEAD BOLTS SHALL HAVE A MINIMUM THROW OF 3/4"

CYLINDER GUARDS SHALL BE INSTALLED ON ALL CYLINDER LOCKS WHENEVER THE CYLINDER PROJECTS BEYOND THE FACE OF THE DOOR OR IS OTHERWISE ACCESSIBLE TO GRIPPING TOOLS.

HARDWARE NOTES:

REFERENCE HARDWARE SCHEDULE FOR SPECIFICATIONS.

SUBMITTALS: PROVIDE SHOP DRAWINGS, PRODUCT DATA, CUT SHEETS AND SAMPLES

FINAL HARDWARE SCHEDULE COORDINATED W/DOORS, FRAMES AND RELATED WORK TO ENSURE PROPER SIZE, THICKNESS, HAND, FUNCTION AND FINISH OF DOOR HARDWARE

ALL FINISHES ARE TO BE SATIN CHROME OR STAINLESS STEEL UNLESS NOTED OTHERWISE

KEYING:

ALL CYLINDERS SHALL BE REMOVABLE CORE, MASTER KEYED TO EXISTING SYSTEMS.

SUBMIT SEPARATE DETAILED SCHEDULE INDICATING CLEARLY HOW THE OWNER'S FINAL INSTRUCTIONS ON KEYING OF LOCKS HAS BEEN FULFILLED

FASTENERS:

PROVIDE ALL HARDWARE WITH ALL NECESSARY SCREWS, AND OTHER FASTENERS OF SUITABLE SIZE AND TYPE TO ANCHOR THE HARDWARE IN POSITION FOR LONG LIFE UNDER HARD USE.

FURNISH ITEMS COMPLETE WITH EXPANSION SHIELDS, TOGGLE BOLTS AND OTHER ANCHORS, IN ACCORDANCE WITH THE MATERIAL TO WHICH THE HARDWARE IS TO BE APPLIED AND THE RECOMMENDATIONS OF THE HARDWARE MANUFACTURER.

FASTENER FINISH SHALL HARMONIZE WITH THE HARDWARE MATERIAL. INSTALL HARDWARE ITEMS IN ACCORDANCE WITH THE SCHEDULE INCLUDED ON THE DRAWINGS, EXCEPT AS SPECIFICALLY REQUIRED TO COMPLY WITH LOCAL CODES AND AS RECOMMENDED BY THE DOOR AND HARDWARE INSTITUTE.

INSTALL HARDWARE IN COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. SET UNITS LEVEL, PLUMB AND TRUE. ADJUST AND CHECK OPERATION OF EVERY UNIT. REPLACE UNITS WHICH CANNOT BE ADJUSTED TO OPERATE FREELY AND SMOOTHLY.
INSTALL HARDWARE IN COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. SET UNITS LEVEL, PLUMB AND TRUE. ADJUST AND CHECK OPERATION OF EVERY UNIT. REPLACE UNITS WHICH CANNOT BE ADJUSTED TO OPERATE FREELY AND SMOOTHLY.

COORDINATE WITH OTHER TRADES TO ASSURE PROPER AND ADEQUATE PROVISION IN THE WORK OF THOSE TRADES FOR INTERFACE WITH THE WORK OF THIS SECTION.

QUALITY ASSURANCE

FIRE-RATED OPENINGS: PROVIDE DOOR HARDWARE FOR FIRE-RATED OPENINGS THAT COMPLIES WITH NFPA STANDARD NO.80 AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.

DIVISION 08 - DOORS & WINDOWS

MANUFACTURERS:

HARDWARE MANUFACTURERS ARE SPECIFIED FOR EACH HARDWARE ITEM TO ESTABLISH A STANDARD OF QUALITY.

GENERAL REQUIREMENTS:

ELECTRONIC SECURITY SYSTEM DESCRIPTION: ONITY-NO SUBSTITUTION

BUTT HINGES: IVES - MCKINEEY HINGE-HAGER

STANDARD LOCKS AND LATCHES: SCHLAGE AL-SERIES-SARGENT 7-LINE. NOTE: ALL LEVERS MUST RETURN TO WITHIN 1/2" OF THE DOOR

EXIT DEVICES: VON DUPRIN 98 SERIES - SARGENT 80 SERIES

THRESHOLDS AT ALL DOORS USABLE BY THE HANDICAPPED SHALL NOT EXCEED 1/2" IN HEIGHT ABOVE FINISH FLOOR - GUARD - REESE - PEMKO

DOOR CLOSERS: ALL CLOSERS SHALL NOT BE FASTENED WITH THROUGH BOLTS THROUGH DOORS. ALL WOOD DOORS WITH CLOSERS TO BE PROVIDED WITH 5" WOOD TOP BLOCK. ELECTRONIC CLOSERS TO HAVE MULTI-POINT HOLD OPEN. LCN 4020 SERIES - NO SUBSTITUTION

DOOR STOPS: IVES - HAGER - ROCKWOOD (WALL & FLOOR); GLYNN JOHNSON - RIXSON - SARGENT (OVERHEAD)

DOOR VIEWERS: 150 AND 190 DEGREE ANGLE OF VIEW. IVES - HAGER

DOOR GUARDS: PROVIDE ALL GUEST ROOM ENTRY DOOR GUARDS WITH EDGE GUARDS. IVES - HAGER

PROTECTIVE PLATES, KICKPLATES, PULLS AND TRIM: IVES - HAGER - ROCKWOOD

MISCELLANEOUS: FLUSHBOLTS: IVES - HAGER - ROCKWOOD. ROLLER LATCHES: IVES. MAGNETIC HOLD OPEN: LCN - SARGENT. TRACK & HARDWARE: L E JOHNSON - NO SUBSTITUTION. CLOSET DOOR PULLS: IVES - NO SUBSTITUTION. DEAD BOLTS: SCHLAGE B660 SERIES - SARGENT 480 SERIES. SURFACE BOLTS: IVES - ROCKWOOD. SEAL: NATIONAL GUARD DHSI

MISCELLANEOUS REQUIREMENTS:

THE HARDWARE SHALL BE THE PROPER KIND FOR ITS REQUIRED USE AND IT SHALL FIT ITS INTENDED LOCATION. IF THE HARDWARE FAILS TO MEET REQUIREMENTS OR REQUIRES MODIFICATION, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CORRECTION/DECISION TO AVOID DELAY IN THE MANUFACTURE AND DELIVERY OF HARDWARE.

THE FINISH HARDWARE LISTED DOES NOT NEED TO BE A COMPLETE HARDWARE SCHEDULE BUT SHALL BE CONSIDERED AS AN INDICATION OF THE REQUIREMENTS DESIRED BY THE ARCHITECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE THE DRAWINGS AND DOOR SCHEDULES AND PROVIDE ALL NECESSARY OR ADDITIONAL HARDWARE AS REQUIRED BUT NOT SCHEDULED HEREIN. SUCH ITEMS SHALL BE OF THE SAME TYPE, QUALITY, AND QUANITTY AS THAT SCHEDULED FOR SIMILAR DOORS/PURPOSES.

PROPOSALS SHALL BE BASED ON SPECIFIED (BASE OR ACCEPTABLE EQUIVALENT) BRANDS.

FINAL ADJUSTMENT:

WHEN HARDWARE IS INSTALLED MORE THAN A MONTH PRIOR TO ACCEPTANCE/OCCUPANCY, MAKE A FINAL CHECK/ADJUSTMENT OF ALL HARDWARE ITEMS THE PRIOR WEEK TO ACCEPTANCE/OCCUPANCY.

08720 - GUESTROOM LOCKING SYSTEMS

ACCEPTABLE MANUFACTURERS:

SUBJECT TO FULL COMPLIANCE WITH REQUIREMENTS, PROVIDE ELECTRONIC LOCK SYSTEM BY ONE OF THE FOLLOWING MANUFACTURESR: . VINGARD COLOR: VERIFY (FACING HALL)/VERIFY (INSIDE ROOM)

WALL READER

WALL READER AND VERIFIER SHALL BE INDIVIDUAL AND TIME SPECIFIC AND RETAIN MEMORY OF LAST 1000 ENTRIES. PROVIDE ON-LINE POWER W/BATTERY BACK-UP. WALL READERS SHALL BE ABLE TO AUTOMATICALLY LOCK AND UNLOCK AT PREDETERMINED TIMES DETERMINED BY OWNER.

SECURITY HARDWARE: VON DUPRIN

INSPECTION:

REQUIRE INSTALLER TO INSPECT DOORS AND AREAS WHERE EQUIPMENT IS TO BE APPLIED AND NOTIFY CONTRACTOR IN WRITING OF UNSATISFACTORY CONDITIONS. DO NO PROCEED W/INSTALLATION UNTIL CONDITIONS HAVE BEEN CORRECTED.

08800 - GLAZING

GLASS MATERIALS:

CLEAR FLOAT GLASS: TYPE 1 (TRANSPARENT GLASS, FLAT), CLASS 1 (CLEAR). - PPG INDUSTRIES, INC. (800-377-5267)

DIVISION 08 - DOORS & WINDOWS

TEMPERED GLASS: 1/4", CONDITION A (UNCOATED SURFACES), TYPE 1 (TRANSPARENT GLASS, FLAT), CLASS 1 (CLEAR). COLOR: CLEAR TO MATCH ALUMINUM WINDOW GLAZING.

COATED LOW EMISSITIVITY GLASS: 1/4", CONDITION C (OTHER COATED GLASS), TYPE I (TRANSPARENT GLASS, FLAT). LOW E COATING; SIDE 3 ON INSULATED UNITS - "SUNGATE 500"; PPG INDUSTRIES (800-377-5267)

SEALED INSULATING GLASS UNITS: PROVIDE PREASSEMBLED UNITS CONSISTING OF ORGANICALLY SEALED PANES OF GLASS ENCLOSING A HERMETICALLY SEALED DEHYDRATED AIR SPACE AND COMPLYING WITH ASTM E 774 FOR PERFORMANCE CLASSIFICATION INDICATED AS WELL AS WITH OTHER REQUIREMENTS SPECIFIED FOR GLASS CHARACTERISTICS, AIR, SPACE, SEALING SYSTEMS, SEALANT, SPACE MATERIAL, AND DESICCANTS. BRONZE ANODIZED FINISH.

ALL GLASS IN RELATED AREAS SHALL BE FROM ONE MANUFACTURER

ALL GLASS SHALL BE NEW MATERIAL, GRADED UNDER FEDERAL SPECIFICATIONS DD-G-451-D-451D

TEMPERED GLASS SHALL CONFORM WITH CPSC, ANSI, Z97.1, ASTM, FGMA STANDARDS

ENERGY CODE DATA FOR GLASS:

REFERENCE WINDOW SCHEDULE FOR SPECIFICATION.

ALL GLAZING SHALL CONFORM TO CONSUMER PRODUCT SAFETY STANDARD 16 CFR, PART 1201.

ALUMINUM STOREFRONT SYSTEM:

THE SYSTEM SHALL BE AS NOTED ON THE DRAWINGS AS MANUFACTURED BY: KAWNEER COMPANY, INC., NORTHRUP ARCHITECTURAL SYSTEM.

STORE FRONT SHALL BE STRUCTURALLY REINFORCED, EXTRUDED ALUMINUM FRAMING COMPLETE WITH GLASS, NON-STRETCH HIGH SHORE VINYL AND ANCHORAGE ATTACHMENTS AND SHIMS REQUIRED TO SECURE WINDOW WALLS TO BUILDING STRUCTURAL SYSTEM.

FRAMES:

SIZES AS SHOWN ON THE DRAWINGS, COMMERCIAL QUALITY EXTRUDED ALUMINUM (ASTM B221). COMPLETE WITH MATCHING PROFILE STOPS TO SUIT FRAMES AND OF ADEQUATE SIZE TO PROVIDE SUFFICIENT BITE ON GLASS, AND DRILLED HOLES, DEFLECTOR PLATES AND INTERNAL FLASHING TO ACCOMMODATE INTERNAL WEEP AND DRAINAGE SYSTEM.

FINISH TO MATCH EXISTING.

FIRE-RESISTIVE GLAZING PRODUCTS:

5/16" THICK, "PREMIUM FIRELITE PLUS" DISTRIBUTED BY TECHNICAL GLASS PRODUCT (800-426-0279)

MIRRORS:

UNFRAMED MIRRORS AT PUBLIC BATHROOMS. - BINSWANGER MIRROR CO. (800-221-8408)

08900 - GLAZED ALUMINUM CURTAIN WALLS

PROVIDE GLAZED ALUMINUM CURTAIN-WALL SYSTEMS, INCLUDING ANCHORAGE, CAPABLE OF WITHSTANDING, WITHOUT FAILURE, THE EFFECTS OF STRUCTURAL LOADS. MOVEMENTS OF SUPPORTING STRUCTURE INDICATED ON DRAWINGS INCLUDING, BUT NOT LIMITED TO, STORY DRIFT, TWIST, COLUMN SHORTENING, LONG-TERM CREEP, AND DEFLECTION FROM UNIFORMLY DISTRIBUTED AND CONCENTRATED LIVE LOADS.

SOUND TRANSMISSION: PROVIDE GLAZED ALUMINUM CURTAIN-WALL SYSTEMS WITH MIN. STC 32

WARRANTY PERIOD: 20 YEARS FROM DATE OF SUBSTANTIAL COMPLETION

AVAILABLE MANUFACTURERS: KAWNEER

FRAMING SYSTEMS:

ALUMINUM: ALLOY AND TEMPER RECOMMENDED BY MANUFACTURER FOR TYPE OF USE AND FINISH INDICATED

STEEL REINFORCEMENT: WITH MANUFACTURER'S STANDARD CORROSION-RESISTANT PRIMER COMPLYING WITH SSPC-PS GUIDE NO.12.00 APPLIED IMMEDIATELY AFTER SURFACE PREPARATION AND PRETREATMENT.

ALUMINUM FINISHES: COLOR: MEDIUM DARK

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: NMM & RRHA

checked by: FTM

project no: 25-104

SPECIFICATIONS

G102

9/18/2026 10:34:13 AM

DIVISION 09 - FINISHES

09050 - BASIC FINISH MATERIALS AND METHODS

PROVIDE PRODUCTS EQUAL TO MATERIALS LISTED IN THE FINISH SCHEDULE. NOTE THAT PROPRIETARY NAMES USED TO DESIGNATE COLORS (ON THE DRAWINGS) OR MATERIALS SCHEDULED HEREIN ARE NOT INTENDED TO IMPLY THAT PRODUCTS OF NAMED MANUFACTURER ARE REQUIRED TO EXCLUSION OF EQUIVALENT PRODUCTS OF OTHER MANUFACTURERS. PRIOR APPROVAL OF OWNERS REPRESENTATIVE REQUIRED.

CLEAN SURFACES OF DIRT, RUST SCALE, GREASE, MOISTURE OR OTHER CONDITIONS OTHERWISE DETRIMENTAL TO FORMATION OF A DURABLE PAINT FILM. PERFORM PREPARATION AND CLEANING PROCEDURES IN ACCORDANCE WITH PAINT MANUFACTURER'S PRINTED INSTRUCTIONS FOR EACH PARTICULAR SUBSTRATE CONDITION.

GALVANIZED METAL:

CLEAN ALL SURFACES THOROUGHLY WITH SOLVENT UNTIL THEY ARE COMPLETELY FREE FROM DIRT, OIL AND GREASE. ALLOW TO DRY THOROUGHLY BEFORE APPLICATION OF PAINT.

REMOVE HARDWARE, ACCESSORIES, PLATES, LIGHTING FIXTURES, AND SIMILAR ITEMS IN PLACE AND NOT TO BE FINISH PAINTED, OR PROVIDE SURFACED APPLIED PROTECTION PRIOR TO SURFACE PREPARATION AND PAINTING OPERATIONS. REMOVE, IF NECESSARY, FOR COMPLETION OF PAINTING OF EACH SPACE OR AREA, REINSTALL REMOVED ITEMS.

GENERAL:

THE FINISHED SURFACE SHALL BE FREE FROM RUNS, SAGS, DROPS, RIDGES, WEAVES, LAPS, BRUSH MARKS AND VARIATIONS IN COLOR, TEXTURE AND FINISH.

COATING PROCESS:

SUFFICIENT TIME SHALL ELAPSE BETWEEN SUCCESSIVE COATS TO PERMIT PROPER DRYING.

MIXING AND THINNING:

AT TIME OF APPLICATION, PAINT SHALL SHOW NO SIGNS OF HARD SETTLING, EXCESSIVE SKINNING, LIVERING OR OTHER DETERIORATION. PAINT SHALL BE THOROUGHLY STIRRED, STRAINED AND KEPT AT A UNIFORM CONSISTENCY DURING APPLICATION.

STORAGE:

THE PAINTER SHALL STORE ALL MATERIALS AND EQUIPMENT IN A ROOM ASSIGNED FOR THAT PURPOSE. PRECAUTIONS SHALL BE TAKEN TO REDUCE FIRE HAZARD AND THE ROOM SHALL BE KEPT CLEAN AND IN GOOD CONDITION.

CLEAN UP:

SCHEDULE ALL CLEANING AND PAINTING SO THAT DUST AND OTHER CONTAMINANTS FROM THE CLEANING PROCESS WILL NOT FALL ON WET, NEWLY PAINTED SURFACES. DURING THE PROGRESS OF THE WORK, DO NOT ALLOW THE ACCUMULATION OF EMPTY CONTAINERS OR OTHER EXCESS ITEMS. REMOVE FROM SITE DISCARDED PAINT MATERIALS, RUBBISH, CANS AND RAGS AT END OF EACH WORK DAY. UPON COMPLETION OF PAINTING WORK, CLEAN WINDOW GLASS AND OTHER PAINT SPLATTERED SURFACES. REMOVE SPLATTERED PAINT AND REPAIR DEFACED PAINTED SURFACES AFTER COMPLETION OF WORK OF OTHER TRADES. IF OWNER DEEMS CLEAN-UP IS NOT SATISFACTORY, AND INDEPENDENT CLEANING SERVICE WILL BE BROUGHT IN, AT THE CONTRACTOR'S EXPENSE TO COMPLETE THE CLEAN-UP.

GENERAL FINISH NOTES

ALL TILE DIMENSIONS ARE DESIGNED TO LAY OUT IN AN EQUAL MANNER. IF TILE MUST BE CUT, THE GROUT LINES SHALL ALIGN WITH ADJACENT TILES OR BE CENTERED AND CUT IN AN OBVIOUS LOCATION. G.C. SHALL COORDINATE THE INSTALLATION OF GYP. BD. WITH TILE DIMENSIONS TO PERMIT EVEN INSTALLATION.

ALL SURFACES TO RECEIVE PAINT FINISH SHALL BE PREPARED TO SHOW NO DEFECTS.

APPLY ONE (1 COAT PRIMER-SEALER)

APPLY TWO (2 COATS FINISH). NO STIPPLE FINISH ON ALL PAINTED SURFACES.

SEE SCHEDULE ON PLANS FOR COLOR AND TYPE.

ALL INTERIOR GYP. BD. TO RECEIVE PAINT FINISH SHALL BE TAPED, SEALED AND SANDED TO RECEIVE FINISH. GYP. BD. UNDER FRP OR S.S. SHALL ONLY BE FIRE TAPED AND SANDED. ALL INTERIOR GYP. BD. TO BE TRUE AND LEVEL.

DIVISION 09 - FINISHES

GYP. BD. SHALL EXTEND AT MINIMUM OF 6" ABOVE LAY-IN CEILING OR UP TO TYP. BD. CEILING. GYP. BD. ON DEMISING WALLS SHALL EXTEND TO THE STRUCTURE ABOVE UNLESS OTHERWISE NOTED.

ALL FLOORS SHALL BE SMOOTH AND LEVEL WITHOUT DEPRESSED OR RAISED AREAS, EXCEPT PROVISION SHALL BE MADE TO HAVE SMOOTH, EVEN SLOPE TO FLOOR DRAINS. THE SURFACE SHALL BE ACCEPTABLE TO RECEIVE FINISH.

VERIFY AND COORDINATE THE LOCATION OF ALL WALL OR CEILING ACCESS PANELS WITH THE OWNER'S PROJECT MANAGER.

PROVIDE STIFFENERS, BRACING, BACK-UP PLATES, ETC. AS REQUIRED AT STUD WALLS FOR SUPPORT OF FIXTURES AND OTHER EQUIPMENT.

ALL EXISTING SURFACES SHALL BE INSPECTED AND ALL NECESSARY PREPARATORY WORK SHALL BE DONE IN ORDER TO RECEIVE NEW FINISHES.

BEFORE PAINTING OR FINISHING WORK IS TO BEGIN, ARRANGEMENTS SHALL BE MADE FOR PROPER VENTILATION AND LIGHTING IN ALL AREAS.

ALL FLOOR MATERIAL CHANGES SHALL OCCUR AT DOOR CENTERLINE UNLESS OTHERWISE NOTED.

FLOOR MATERIALS SPECIFIED ON THE FINISH SCHEDULE SHALL EXTEND UNDER ALL EQUIPMENT AND COUNTER AREAS.

FLOOR CONTRACTOR SHALL SUBMIT TO OWNER THREE COPIES OF MANUFACTURER'S MAINTENANCE MANUALS FOR THE FLOOR MATERIAL INSTALLED.

ALL TILE SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN THE HANDBOOK FOR CERAMIC TILE INSTALLATION OF THE TILE COUNCIL OF AMERICA (CURRENT EDITION.

ALL INTERIOR FINISHES SHALL COMPLY WITH APPLICABLE LOCAL CODES AND REGULATIONS.

EACH SUBCONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ADEQUATE SURFACE CONDITIONS THAT EXIST FOR THEIR WORK. IF ADEQUATE SURFACE CONDITIONS DO NOT EXIST THE SUBCONTRACTOR SHALL NOT PERFORM THEIR WORK UNTIL THE CONDITION IS CORRECTED.

CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS.

09200 - PLASTER AND GYPSUM BOARD

PROVIDE ALL WORK IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS AS REQUIRED HEREIN AND AS SHOWN ON THE DRAWINGS FOR COMPLETE ERECTION AND FINISH OF DRYWALL PARTITIONS.

COMPLY WITH "GYPSUM CONSTRUCTION AND HANDBOOK" BY UNITED STATES GYPSUM CO. AND "RECOMMENDED SPECIFICATIONS FOR THE APPLICATION AND FINISHING OF GYPSUM BOARD" BY THE GYPSUM ASSOCIATION FOR ALL INSTALLATION WORK.

FIRE-RATED GYPSUM WALLBOARD, ASTM C63078. USE 4 FEET WIDE SHEETS WITH LONG TAPERED EDGE. THICKNESS SHALL BE 5/8". UNITED STATES GYPSUM CO. SHEET-ROCK W/R FIRE CODE "C" FOR FIRE RATED PANELS. SEAL ALL EXPOSED AND CUT EDGES PER MANUFACTURERS RECOMMENDATIONS.

USE 5/8" MOISTURE RESISTANT GYPSUM BOARD IN AREAS SPECIFIED ON THE PLANS AND AT ALL TILE WORK WITHIN 48" OF WET AREAS. EACH SHEET SHALL BE MARKED BY THE MANUFACTURER INDICATING THE MOISTURE RESISTANT CAPABILITIES OF THE PRODUCT.

TILE-BACKER BOARD: GLASS-MAT, WATER-RESISTANT GYPSUM BACKING BOARD: ASTM C 1178, TYPE X, 5/8" INCH THICK, WHERE REQUIRED FOR FIRE-RESISTANCE-RATED ASSEMBLIES AND WHERE INDICATED

"DENS-SHIELD TILE BACKER"; G-P GYPSUM CORPORATION (404-652-4129)

INSTALL GYPSUM WALLBOARD WITH LONG DIMENSION PERPENDICULAR TO FRAMING.

INSTALL PER MANUFACTURE'S WRITTEN INSTRUCTIONS.

METAL-STUDS-CHANNEL-TYPE, ROLL FORM 25 GAUGE MIN (UNLESS NOTED OTHERWISE), SIZE AS NOTED ON DRAWINGS.

CARRYING CHANNELS AND HANGING WIRE - 1-1/2" DEEP, 475 LBS PER 1,000 FEET. MINIMUM 8 GAUGE HANGING WIRE AT 48" O.C. EACH WAY.

FURRING CHANNELS - 3/4" HAT SHAPED.

FASTENING: NAILS-NO. 19 GAUGE, 1-3/8" LONG, 19/64" HEAD ANNULAR RING NAIL, 7" ON CENTER AT CEILING, 8" ON CENTER AT WALLS.

DIVISION 09 - FINISHES

SCREWS - METAL SUSPENSION, SYSTEM, TYPE "S-12" BUGLE, SELF-TAPPING, 3/8" MINIMUM PENETRATION IN METAL FRAMING.

METAL EDGES SHALL BE APPLIED AT ALL EXPOSED CORNERS, ENDS, ETC.

ACCESS PANELS: INRYCO/MILCOR, (414) 383-4030; TYPE "M" WITH FLUSH SCREW DRIVE OPERATED LOCKS. IN GYPSUM DRYWALL AND CEILINGS USE PRIME COATED STEEL. IN TILE FINISH WALL AND "FRP" FINISH WALLS USE STAINLESS STEEL FRAMES AND PANELS.

09253 - GYPSUM SHEATHING

GLASS-MAT GYPSUM SHEATHING BOARD: SUBJECT TO COMPLIANCE W/REQUIREMENTS, PROVIDE "DENS-GLASS GOLD" BY G-P GYPSUM CORPORATION.

09255 - GYPSUM BOARD ASSEMBLIES

FIRE-RESISTANCE RATINGS: WHERE INDICATED, PROVIDE MATERIALS AND CONSTRUCTION WHICH ARE IDENTICAL TO THOSE OF ASSEMBLIES WHOSE FIRE-RESISTANCE RATING HAS BEEN DETERMINED PER ASTM E-119 BY A TESTING AND INSPECTING ORGANIZATION ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.

SOUND TRANSMISSION CHARACTERISTICS: FOR GYPSUM BOARD ASSEMBLIES INDICATED TO HAVE STC RATINGS WERE DETERMINED PER ASTM E 90 AND CLASSIFIED PER ASTM E 413 BY A QUALIFIED INDEPENDENT TESTING AGENCY.

FIRE RESISTANCE: PROVIDE GYPSUM BOARD ASSEMBLIES WITH FIRE-RESISTANCE RATINGS INDICATED

PRODUCTS:

MANUFACTURERS: G-P GYPSUM CORPORATION, GEORGIA-PACIFIC COMPANY (404-652-4129). NATIONAL GYPSUM COMPANY, GOLD BOND BUILDING PRODUCTS DIV. (800-628-4662). UNITED STATES GYPSUM COMPANY (312-606-5589)

TILE-BACKER BOARD: GLASS-MAT, WATER-RESISTANT GYPSUM BACKING BOARD: ASTM C 1178, TYPE X, 5/8" INCH THICK, WHERE REQUIRED FOR FIRE-RESISTANCE-RATED ASSEMBLIES AND WHERE INDICATED

"DENS-SHIELD TILE BACKER"; G-P GYPSUM CORPORATION (404-652-4129)

09300 - TILE

FLOOR TILE INSTALLATION:

INSTALL TILE TO COMPLY WITH REQUIREMENTS IN THE CERAMIC TILE FLOOR INSTALLATION SCHEDULE, INCLUDING THOSE REFERENCING TCA INSTALLATION METHODS AND ANSI A108 SERIES OF TILE INSTALLATION STANDARDS

WALL TILE INSTALLATION:

INTALL TYPES OF TILE DESIGNATED FOR WALL INSTALLATIONS TO COMPLY WITH REQUIREMENTS IN THE CERAMIC TILE WALL INSTALLATION SCHEDULE, INCLUDING THOSE REFERENCING TCA INTALLATION METHODS AND ANSI SETTING-BED STANDARDS

STANDARDS:

MORTAR AND GROUT MATERIALS AND INSTALLATION STANDARDS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) AND STANDARD SPECIFICATION FOR CERAMIC TILE ANSI A137.1 APPLY TO THE WORK, EXCEPT AS OTHERWISE INDICATED.

MATERIALS:

REFERENCE TILE SCHEDULE

TRIM SHAPES:

SAME MATERIAL, SIZE, COLOR AND TEXTURE AS FIELD TILE UNLESS NOTED OTHERWISE.

EDGE STRIPS:

PROVIDE AT EXPOSED EDGE OF TILE MEETING CARPET, WOOD OR RESILIENT FLOORING UNLESS NOTED OTHERWISE REFERENCE DRAWINGS FOR SIZE AND SHAPE.

CLEANING AND PROTECTION: CLEAN TILE IN ACCORDANCE WITH APPLICABLE ANSI STANDARD FOR TYPE OF TILE AND METHOD OF INSTALLATION USED AND MANUFACTURER'S INSTRUCTIONS. APPLY HEAVY KRAFT PAPER OR OTHER HEAVY PROTECTIVE COVERING TO PREVENT SURFACE DAMAGE.

09500 - CEILINGS

DIVISION 09 - FINISHES

PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, ETC., REQUIRED TO SUPPLY AND INSTALL ARMSTRONG LAY-IN TILE AND CHICAGO METALLIC SUSPENSION SYSTEM, INCLUDING WIRE HANGERS, MAIN TEE RUNNERS, CROSS TEES, ANGLE MOLDING AND HOLD-DOWN CLIP WHERE REQUIRED. SEE REFLECTED CEILING PLAN AND COLOR LEGEND FOR MANUFACTURER AND TYPE.

SUSPENSION SYSTEM:

MAIN TEE RUNNERS SHALL BE INSTALLED AT 48" O.C. HAVING CROSS TEES AT 24" O.C. INCLUDING #425 ACCESSIBLE HOLD-DOWN CLIPS AND PERIMETER WALL MOLDING AT ALL VERTICAL ABUTTING SURFACES.

CONTRACTOR TO PROVIDE 1 CARTON, TEN (10) PIECES MINIMUM AT JOB SITE TO OWNER'S REPRESENTATIVE FOR FUTURE MAINTENANCE.

COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

09512 - ACOUSTICAL TILE CEILINGS

STRUCTURAL EXPOSED SUSPENSION SYSTEM:

DESIGN FOR THIS SYSTEM IS BASED ON USE OF USG INTERIORS - ARMSTRONG WORLD INDUSTRIES, INC. (888-CEILINGS)

TYPE I GRID (TO BE USED WITH TYPE A CEILING TILES): DX-24 GRID SYSTEM. SYSTEM USED SHALL BE DOUBLE WEB, DIRECT HUNG EXPOSED SYSTEM. MAIN RUNNERS - NUMBER DX-24 WITH 1-1/2" HT., 15/16" FACE, STEEL. PROVIDE ALL ACCESSORIES NEEDED FOR PROPER INSTALLATION SYSTEM. ALL THE EXPOSED SURFACES SHALL BE FINISHED WHITE.

ACOUSTICAL MATERIALS:

24" x 24" x 5/8" CEILING PANELS. - ARMSTRONG #710, WHITE. BASIS OF DESIGN. (IN WET AREAS, PROVIDE WASHABLE CEILING TILE) (SEE FINISH SCHEDULE)

09541 - FIBER REINFORCED PLASTIC COATED PANELS

FIBERGLASS REINFORCES PLASTIC (FRP) PANELS - "MARLITE FRP-P106"; MARLITE DIVISION (330-34306621)

FIBERGLASS REINFORCED POLYESTER PANELS:

FLAT WITH EMBOSSED PEBBLE SURFACE TEXTURE; MOISTURE RESISTANT AND IMPERVIOUS TO MOLD AND MILDEW, CONFORMING TO FEDSPEC L-P-505 AND PS53

USDA APPROVED. MEET FDA REQUIREMENTS. 0.090" (3/32) THICK x 4' x 8'. WHITE OR AS INDICATED BY OWNER

MOLDINGS:

PVC TRIM MOLDINGS BY PANEL MANUFACTURER. COLOR TO MATCH PANELS

09600 - FLOORING

CARPET: REFER TO MATERIAL/FINISH SCHEDULE IN DRAWINGS OR IN PROJECT MANUAL

09650 - RESILIENT FLOORING

VINYL COMPOSITION TILES:

MANNINGTON MILLS, INC. OR EQUAL AS APPROVED BY ARCHITECT/OWNER

RESILIENT BASE:

MANNINGTON MILLS, INC. OR EQUAL AS APPROVED BY ARCHITECT/OWNER

RESILIENT BASES SHALL BE EXTRUDED RUBBER, 1/8" THICK, 4" HIGH WITH PREMOLDED OUTSIDE CORNERS. PROVIDE COVE TYPE AT SHEET VINYL, RESILIENT TILE FLOORING, AND OTHER HARD SURFACES; PROVIDE STRAIGHT TYPE AT CARPET. JOB MITERING OF CORNERS WILL NOT BE PERMITTED.

09652 - RESILIENT SHEET FLOORING

VINYL SHEET FLOOR COVERING - AMTICo RESILIENT FLOORING (267) 632-7073

09680 - CARPET

REFER TO MATERIAL/FINISHES SCHEDULE IN PROJECT MANUAL

09900 - PAINTS AND COATINGS

PAINTING:

WORK INCLUDES SURFACES PREPARATION AND PAINTING OR FINISHING OF ALL INTERIOR SURFACES EXPOSED TO VIEW, THROUGHOUT THE PROJECT. WHERE ITEMS OR SURFACES ARE NOT SPECIFICALLY MENTIONED, PAINT THE SAME AS SIMILAR ADJACENT MATERIALS OR AREAS. THE WORK OF THIS SECTION INCLUDES, BUT IS NOT NECESSARILY LIMITED TO PAINTING OR FINISHING OF ALL INTERIOR DRYWALL SURFACES NOT FINISHED OTHERWISE.

DIVISION 09 - FINISHES

FINAL FINISH IS SUBJECT TO APPROVAL BY OWNER, IF FINISH IS DEEMED UNSATISFACTORY, ANOTHER APPLICATION WILL BE REQUIRED AT THE CONTRACTORS EXPENSE. PROVIDE PAINT AND COATINGS AS LISTED.

SEE PAINT SCHEDULE

* METAL:

ONE COAT PRIMER

TWO COATS PER SCHEDULE

NOTE: PRIMER MAY BE ELIMINATED IF ITEM IS FACTORY PRIMED

* WOOD DOORS (PAINTED):

ONE COAT INTERIOR TRIM PRIMER

TWO COATS PER SCHEDULE

* SMOOTH FINISH GYPSUM BOARD WALL AND CEILINGS

GLOSS OR EGGSHELL:

ONE COAT WALL PRIMER

TWO COATS PER SCHEDULE

* OAK TRIM (SMOOTH WOOD) "LACQUERED":

ONE COAT LACQUER SANDING SEALER

TWO COATS SEMI-GLOSS LACQUER

* INSIDE THROATS OF AIR CONDITIONING SUPPLY AND RETURN

DUCTS IN PUBLIC AREAS

SPRAY BLACK TO A POINT OUT OF VIEW

PROVIDE METAL CORNER BEAD, TRIM AND CASING FOR ALL EDGES AND CORNERS OF GYP. BD. SURFACES ON PAINTED WALLS. CLEAN GYP. BD. CORNERS WITHOUT METAL CORNER BEADS SHALL BE UNDER FRP, TILE, OR S.S. (VERIFY W/ INTERIOR DESIGNER)

DIVISION 10 - SPECIALTIES

10150 - COMPARTMENTS AND CUBICLES

BATHROOM COMPARTMENTS:

MANUFACTURERS: GLOBAL STEEL PRODUCTS CORPORATION (631-586-3330)

TOILET COMPARTMENTS: "EMBASSY"

URINAL SCREENS: FLOOR MOUNTED WITH POST SUPPORT

COLOR: AS INIDCATED IN MATERIAL/FINISHES SCHEDULE IN SPECIFICATIONS

10200 - LOUVERS AND VENTS

GALVANIZED STEEL FRAME AND 45 DEG. BLADES, INSECT SCREEN, PRIME COATED. SEE DRAWINGS FOR SIZE.

BASIS OF DESIGN FOR LOUVERS IS AIROLIE AC507. LOUVERS OF SIMILAR DESIGN AND CONSTRUCTION, AS MANUFACTURED BY OTHER MANUFACTURERS, MAY BE SUBMITTED FOR THE ARCHITECT'S CONSIDERATION.

FINISH: TWO-COAT, SHOP-APPLIED, BAKED-ON 70% FLUOROPOLYMER COATING SYSTEM BASED ON ELF ATOCHEM, KYNAR 500. COLOR SHALL MATCH ADJACENT COLOR AS INDICATED ON DRAWINGS. 16 BY 18 MESH ALUMINUM INSECT SCREEN IN EXTRUDED ALUMINUM FRAME

10260 - WALL AND CORNER GUARDS

FURFACE-MOUNTED VINYL CORNER GUARDS: PROVIDE MANUFACTURER'S STANDARD, EMBOSSED, RESILIENT PLASTIC POLYVINYL CHLORIDE (PVC) OR ACRYLIC MODIFIED VINYL SHEET CORNER GUARDS, HEIGHT AS INDICATED. PROVIDE 90-DEGREE TURN, UNLESS OTHERWISE INDICATED, AND FORMED EDGES. COLOR TO MATCH ADJACENT WALL.

10505 - METAL LOCKERS

ACCEPTABLE MANUFACTURERS; SUBJECT TO COMPLIANCE WITH SPECIFIED REQUIREMENTS. - REPUBLIC STORAGE SYSTEMS CO., INC.

DOUBLE-TIER; 1'-0" WIDE BY 1'-0" DEEP BY 3'-0" HIGH.

MIN. 24 GA. COLD-ROLLED SHEET STEEL FLANGED AT CONNECTIONS OF SIDE, BACK, TOP AND BOTTOM.

LOCKING PROVISIONS: LATCHING DEVICE PREPARED TO RECEIVE PADLOCKS.

FINISH: MANUFACTURER'S STANDARD BAKED ENAMEL FINISH, APPLIED OVER PHOSPHATE-TREATED STEEL, COLORS SELECTED BY ARCHITECT

10520 - FIRE PROTECTION SPECIALTIES

PROVIDE GLASS ABC, 10 LB. DRY CHEMICAL OR AS REQUIRED BY FIRE CODES. MINIMUM ONE FURNISHED BY G.C. AT START OF CONSTRUCTION.

PORTABLE FIRE EXTINGUISHERS:

ACCEPTABLE MANUFACTURERS; SUBJECT TO COMPLIANCE WITH SPECIFIED REQUIREMENTS: J.L INDUSTRIES, INC.

DIVISION 10 - SPECIALTIES

CHARACTERISTICS; DRY CHEMICAL EXTINGUISHERS: ABC MULTI-PURPOSE DRY CHEMICAL MEETING UL STANDARD 299 FOR CLASS A, B AND C FIRES

TRIMMED SEMI-RECESSED AND RECESSED CABINETS:

J.L. INDUSTRIES, INC., AMBASSADOR

10800 - TOILET, BATH, AND LAUNDRY SPECIALTIES

ACCEPTABLE MANUFACTURERS; SUBJECT TO COMPLIANCE WITH SPECIFIED DESIGN CRITERIA: BOBRICK WASHROOM EQUIPMENT, INC.

SEE ARCHITECTURAL DRAWINGS FOR TOILET ROOM ACCESSORIES SCHEDULE.

DIVISION 11 - EQUIPMENT

11 - GENERAL EQUIPMENT NOTES

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR WORK OF SECTION "PLUMBING" INCLUDES SETTING OF FAUCETS AND CONNECTIONS TO SERVICES, INTERCONNECTIONS OF EQUIPMENT, FLOOR DRAINS IN THE VICINITY OF INDIRECT DRAIN OUTLETS, FAUCETS AND TRIM.

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ELECTRIC WORK INCLUDES ALL LINE SWITCHES, SAFETY CUT-OUTS, CONTROL PANELS, FUSE BOXES AND OTHER CONTROLS, ELECTRICAL RECEPTACLES, FITTINGS AND CONNECTIONS, EXCEPT AS OTHERWISE SPECIFIED IN SECTION "ELECTRICAL". ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO BUILDING FROM ALL JUNCTION BOXES.

CONTRACTOR SHALL FULLY INFORM HIMSELF REGARDING PECULIARITIES AND LIMITATIONS OF SPACES AVAILABLE FOR INSTALLATION OF WORK AND MATERIALS FURNISHED AND INSTALLED UNDER THIS DIVISION. DRAWINGS INDICATE LOCATION AND ARRANGEMENT OF CONDUIT, EQUIPMENT AND OTHER ITEMS AND ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE. WORK SPECIFIED AND NOT CLEARLY DEFINED BY DRAWINGS SHALL BE INSTALLED AND ARRANGED IN A MANNER SATISFACTORY TO THE OWNER. IN EVENT CHANGES IN INDICATED LOCATIONS AND ARRANGEMENTS ARE DEEMED NECESSARY BY THE OWNER, THEY SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL CHARGES PROVIDED THAT THE CHANGES ARE ORDERED BEFORE THE WORK IS INSTALLED AND NO EXTRA MATERIALS OR LABOR ARE REQUIRED.

CLEAN EQUIPMENT AND MATERIALS THOROUGHLY. LEAVE SURFACES TO BE PAINTED SMOOTH AND CLEAN, READY FOR PAINTERS. CLEAN ENTIRE PREMISES OF UNUSED MATERIALS, RUBBISH, DEBRIS AND DIRT CREATED BY WORK UNDER THIS DIVISION.

FULLY INSTRUCT AND DEMONSTRATE TO THE OWNER'S OPERATING PERSONNEL THE PERFORMANCE, OPERATION AND MAINTENANCE OF EQUIPMENT. THE TIME ALLOWED FOR SUCH INSTRUCTION SHALL BE ALLOWED FOR EACH CONTRACTOR AS PART OF THESE CONTRACT DOCUMENTS.

UPON COMPLETION OF ELECTRICAL WORK, ADJUST AND TEST CIRCUITS, OUTLETS, SWITCHES, LIGHTS, MOTORS AND TIME CLOCKS TO INSURE PROPER OPERATION OF ELECTRICAL EQUIPMENT. CHECK SERVICE VOLTAGES UNDER MAXIMUM LOAD. ITEMS, FIXTURES AND PARTS IN NEED OF CORRECTION AND DISCOVERED DURING SUCH TESTING SHALL BE IMMEDIATELY REPAIRED OR REPLACED WITH NEW EQUIPMENT, AND THAT PART OF THE SYSTEM SHALL BE RETESTED. SUCH REPLACEMENT OR REPAIR SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.

11175 - LINEN CHUTES

MANUFACTURERS: WILKINSON CO., INC.

11400 - FOOD SERVICE EQUIPMENT

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THIS WORK AND FOR ASSEMBLIES AND HOOK-UP OF FOOD SERVICE EQUIPMENT PROVIDED BY OTHERS, SUCH AS, BUT NOT LIMITED TO, COOLERS, FREEZERS AND COMPLETE HOT WELLS SERVICE COUNTER ASSEMBLIES.

11450 - RESIDENTIAL EQUIPMENT

APPLIANCES-GUEST ROOMS AND EMPLOYEE LOUNGE. (SUPPLIER BY OWNER, INSTALLED BY GENERAL CONTRACTOR)

MICROWAVE OVEN, REFRIGERATOR, DISHWASHER.

DIVISION 12 - FURNISHINGS

N/A

DIVISION 13 - SPECIAL CONSTRUCTION

N/A

DIVISION 14 - CONVEYING SYSTEMS

14.1 - ELECTRIC TRACTION ELEVATORS

MANUFACTURER:

PROVIDE AC GEARLESS MACHINE ROOM-LESS ELEVATOR SYSTEMS SUBJECT TO COMPLIANCE WITH THE DESIGN AND PERFORMANCE REQUIREMENTS OF THIS SPECIFICATION. ELEVATOR MANUFACTURERS MAY INCLUDE BUT ARE NOT LIMITED TO: BASIS OF DESIGN: ECOSPACE tm TRACTION ELEVATORS BY KONE, INC (WWW.KONE.COM). OTHER ACCEPTABLE MACHINE ROOM-LESS PRODUCTS: OTIS ELEVATOR CO. - GEN2 tm PRODUCT. SCHINDLER ELEVATOR CORP. - 400A PRODUCT

CONTROLLER LOCATION: WITHING 100'-0" CONTROLLER(S) SHALL BE LOCATED IN A REMOTE CABIN OR ROOM WITHIN 140'-0" (42.6M) WIRE FEET OF THE ELEVATOR MACHINE

HOISTWAY ENTRANCES:

SILLS: EXTRUDED. ENTRANCE FINISH: BRUSHED STAINLESS STEEL. ENTRANCE MARKINGS JAMB PLATES: PROVIDE STANDARD ENTRANCE JAMB TACTILE MARKINGS ON BOTH JAMBS, AT ALL FLOORS. PLATE MOUNTING: REFER TO MANUFACTURER DRAWINGS

STEEL CAB:

PANELS: NON-REMOVABLE VERTICAL PANELS, PRE-FINISHED REAL WOOD VENEER (VENEER-ART BY LAMIN-ART OR EQUAL)

CAR FRONT & CAR DOOR FINISH: BRUSHED STAINLESS STEEL

CEILING: DOWNLIGHT HALOGEN DROP CEILING THREE PANEL SUSPENDED CEILING WITH THREE HOLES PER PANEL FOR HALOGEN DOWNLIGHTS FINISHED IN BRUSHED STAINLESS STEEL.

HANDRAIL: ROUND TUBE BRUSHED STAINLESS STEEL OF 3/8"-INCH THICK BY 2 INCHES WIDE. RAILS TO BE LOCATED ON BACK WALL - FRONT OPENING ONLY OF CAR ENCLOSURE

FLOORING: BY OTHERS (NOT TO EXCEED 25SF & 1/2" FINSHED DEPTH)

THRESHOLD: ALUMINUM

DIVISION 15 - MECHANICAL

REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR SPECIFICATIONS

DIVISION 16 - ELECTRICAL

REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL SPECIFICATIONS

FIRE PREVENTION NOTES

FP.1 ALL WORK SHALL COMPLY WITH THE VERSION OF THE INTERNATIONAL FIRE CODE AS AMENDED AND ADOPTED BY THE LOCAL AGENCIES HAVING AUTHORITY.

FP.2 THE CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS (NUMBER AND TYPE) AS SHOWN ON THE DRAWINGS AND REQUIRED BY LOCAL JURISDICTIONS. COORDINATE EXACT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.

FP.3 PROVIDE ONE PORTABLE FIRE EXTINGUISHER WHICH HAS A CLASSIFICATION OF NOT LESS THAN K TYPE FOR KITCHEN (U.F.C. SEC. 10.303) LOCATION TO BE APPROVED BY THE LOCAL AUTHORITIES PRIOR TO INSTALLATION.

FP.4 PENETRATIONS OF RATED WALLS SHALL BE PROTECTED BY ASSEMBLIES OF APPROPRIATE RATING, INCLUDING DOORS, DUCTS, ETC. ALL REQUIRED FIRE DAMPER ASSEMBLIES INCLUDING SLEEVES AND INSTALLATION PROCEDURES SHALL BE APPROVED BY THE BUILDING DEPARTMENT INSPECTOR PRIOR TO INSTALLATION.

FP.5 ALL AIR-HANDLING CUT-OFF AND SMOKE-DETECTED FIRE DAMPING EQUIPMENT REQUIRED BY THE LOCAL AGENCIES HAVING AUTHORITY SHALL BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR.

FP.6 WHERE REQUIRED, FLAME SPREAD RATINGS OF MATERIAL USED IN THE CONSTRUCTION WILL BE SUPPLIED TO THE FIRE DEPARTMENT BY THE CONTRACTOR ORDERING THE MATERIALS.

FP.7 ILLUMINATED EXIT SIGNS WITH BATTERY PACKS AND AUDIBLE SIGNALS SHALL BE PROVIDED AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY CODE.

FP.8 IF REQUIRED, COORDINATE FIRE SPRINKLER SYSTEM REQUIREMENTS WITH LOCAL AUTHORITIES. INSTALLATION SHALL COMPLY WITH NFPA 13. FIRE SPRINKLER PROTECTION SHALL BE PROVIDED ABOVE AND INSIDE COOLERS AND FREEZERS.

FP.9 INTERIOR FINISH SHALL COMPLY WITH ALL APPLICABLE CODES.

FP.10 ALL DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION.

FP.11 BUILDING NUMBERS SHALL BE EASILY VISIBLE AND LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY.

FP.12 THE CONSTRUCTION, REMODEL, OR DEMOLITION OF A BUILDING SHALL COMPLY WITH ALL APPLICABLE CODES.

FP.13 PROVIDE OCCUPANT LOAD SIGN COMPLYING WITH CODE.

FP.14 EXIT DOORS SHALL HAVE PANIC HARDWARE AND SHALL SWING IN THE DIRECTION OF EXIT TRAVEL WHEN SERVING ANY HAZARDOUS AREAS, OR ANY OTHER OCCUPANCY SERVING AN OCCUPANT LOAD OF 50 OR MORE.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: NMM & RRHA

checked by: FTM

project no: 25-104

SPECIFICATIONS

G103

9/18/2026 10:34:19 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPROD

GENERAL NOTES

1. THE CONTRACT DOCUMENTS INCLUDE THE WORKING DRAWINGS, ANY ADDENDA, MODIFICATIONS, THE CONDITIONS OF THE CONSTRUCTION CONTRACT, AND SPECIFICATIONS AS NOTED ON THE DRAWINGS.

2. THE CONTRACT DOCUMENTS ARE INSTRUMENTS OF SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT WHETHER THE PROJECT FOR WHICH THEY ARE PREPARED IS EXECUTED OR NOT. THE CONTRACT DOCUMENTS ARE NOT TO BE USED BY THE OWNER FOR OTHER PROJECTS OR EXTENSIONS TO THE PROJECT NOR ARE THEY TO BE MODIFIED IN ANY MANNER WHATSOEVER EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT.

3. THE WORK WILL CONFORM WITH THE REQUIREMENTS OF ALL AGENCIES HAVING JURISDICTION.

4. 'FURNISH' MEANS SUPPLY ONLY FOR OTHERS TO PUT IN PLACE.

5. 'PROVIDE' MEANS FURNISH AND INSTALL, COMPLETE AND IN PLACE.

6. 'SIMILAR' MEANS COMPATIBLE CHARACTERISTICS FOR CONDITIONS NOTED. CONTRACTOR TO VERIFY DIMENSIONS AND ORIENTATION.

7. 'TYPICAL' MEANS IDENTICAL FOR CONDITIONS NOTED.

8. DO NOT SCALE DRAWINGS, DIMENSIONS GOVERN. VERIFY DIMENSIONS WITH FIELD CONDITIONS. IF DISCREPANCIES ARE DISCOVERED BETWEEN FIELD CONDITIONS AND DRAWINGS OR BETWEEN DRAWINGS, CONTACT ARCHITECT FOR RESOLUTION BEFORE PROCEEDING.

9. HORIZONTAL DIMENSIONS INDICATED ARE TO AND FROM FACE OF STUD/STRUCTURE, EXCEPT AS NOTED.

10. VERTICAL DIMENSIONS ARE FROM TOP OF FLOOR SLAB OR DECK, EXCEPT WHERE NOTED TO BE ABOVE FINISH FLOOR (A.F.F.).

11. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT APPROVAL OF ARCHITECT UNLESS NOTED.

12. ALL WORK SHALL BE ERECTED AND INSTALLED PLUMB, LEVEL, SQUARE, AND TRUE AND IN PROPER ALIGNMENT.

13. COORDINATE AND PROVIDE BLOCKING/BACKING IN PARTITIONS BEHIND ALL WALL-MOUNTED ITEMS.

14. MAKE ALL NECESSARY PROVISIONS FOR ITEMS TO BE FURNISHED OR INSTALLED BY TENANT. PROVIDE PROTECTION FOR THESE PROVISIONS UNTIL COMPLETION OF THE PROJECT. GENERAL CONTRACTOR TO COORDINATE N.I.C. ITEMS WITH APPROPRIATE TRADES.

15. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING CONTRACT DOCUMENTS, FIELD CONDITIONS, AND DIMENSIONS FOR ACCURACY AND CONFIRMING THAT WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION. CLARIFICATIONS REGARDING ANY CONFLICTS SHALL BE ACHIEVED BEFORE RELATED WORK IS STARTED.

16. GENERAL CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST IN LOCATIONS OF ANY AND ALL MECHANICAL, TELEPHONE, ELECTRICAL, PLUMBING, AND SPRINKLING EQUIPMENT (TO INCLUDE ALL PIPING, DUCTWORK AND CONDUIT) AND THAT ALL REQUIRED CLEARANCES FOR INSTALLATION AND MAINTENANCE OF ABOVE EQUIPMENT ARE PROVIDED. ELEMENTS TO BE EXPOSED OR CONCEALED SHALL BE DETERMINED AND REVIEWED WITH ARCHITECT IN THE FIELD PRIOR TO CONSTRUCTION PROCEEDING.

17. GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL COORDINATE THE LAYOUT AND EXACT LOCATION OF PARTITIONS, DOORS, ELECTRICAL/TELEPHONE OUTLETS AND LIGHT SWITCHES WITH ARCHITECT IN THE FIELD BEFORE PROCEEDING WITH CONSTRUCTION.

18. GENERAL CONTRACTOR SHALL PROVIDE MANUFACTURER'S SPECIFICATIONS INSTALLATION INSTRUCTIONS, SHOP DRAWINGS AND SAMPLES FOR REVIEW AND APPROVAL OF ALL MATERIALS AND METHODS TO BE USED PRIOR TO TO ORDERING OR PROCEEDING WITH THE WORK.

19. EXERCISE EXTREME CARE AND PRECAUTION DURING CONSTRUCTION OF THE WORK TO MINIMIZE DISTURBANCES TO ADJACENT STRUCTURES AND THEIR OCCUPANTS, PROPERTY, PUBLIC THOROUGHFARES, ETC. CONTRACTOR SHALL TAKE PRECAUTIONS AND BE RESPONSIBLE FOR THE SAFETY OF ALL BUILDING OCCUPANTS FROM CONSTRUCTION PROCEDURES.

20. WITHIN FIVE (5) DAYS FROM CONTRACT DATE, PREPARE AND SUBMIT AN ESTIMATED PROGRESS SCHEDULE FOR THE WORK, WITH SUB SCHEDULES OF RELATED ACTIVITIES SUCH AS DATA/TELEPHONE CABLING AND FURNITURE INSTALLATION.

21. ALL WORK SHALL COMPLY WITH APPLICABLE CODES, AMENDMENTS, RULES, REGULATIONS, ORDINANCES, LAWS, ORDERS, APPROVALS, ETC. THAT ARE REQUIRED BY PUBLIC AUTHORITIES. IN THE EVENT OF CONFLICT, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN. REQUIREMENTS INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, THE CURRENT APPLICABLE EDITIONS OF PUBLICATIONS OF THE FOLLOWING:
NORTH CAROLINA BUILDING CODE 2018
NATIONAL FIRE PROTECTION ASSOCIATION, AND
AMERICAN NATIONAL STANDARDS INSTITUTE.

22. ABBREVIATIONS USED IN REFERRING TO STANDARDS THAT APPLY TO THE WORK INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

AMERICAN SOCIETY OF TESTING MATERIALS - ASTM;
AMERICAN INSTITUTE OF STEEL CONSTRUCTION - AISC;
AMERICAN WELDING SOCIETY - AWS;
AMERICAN CONCRETE INSTITUTE - ACI;
AMERICAN NATIONAL STANDARDS INSTITUTE - ANSI;
ARCHITECTURAL ALUMINUM MANUFACTURER'S ASSOCIATION - AAMA;
ALUMINUM ASSOCIATION, INC. - AA;
CONCRETE REINFORCING STEEL INSTITUTE - CRSI;
NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS - NAAMM;
NATIONAL FIRE PROTECTION ASSOCIATION - NFPA;
NATIONAL WOODWORK MANUFACTURER'S ASSOCIATION - NWMA; AND
AMERICAN WOODWORK INSTITUTE - AWI.

23. IN THE EVENT OF CONFLICTS BETWEEN DATA SHOWN ON DRAWINGS AND DATA SHOWN ON THE SPECIFICATIONS, THE SPECIFICATIONS SHALL GOVERN. DIMENSIONS NOTED ON DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. DETAIL DRAWINGS TAKE PRECEDENCE OVER DRAWINGS OF SMALLER SCALE. SHOULD THE CONTRACTOR AT ANY TIME DISCOVER AN ERROR IN A DRAWING OR SPECIFICATION, OR A DISCREPANCY OR VARIATION BETWEEN DIMENSIONS OR DRAWINGS, AND MEASUREMENTS AT SITE, OR LACK OF DIMENSIONS OR OTHER INFORMATION, HE SHALL NOT PROCEED WITH THE AFFECTED WORK UNTIL CLARIFICATION HAS BEEN MADE.

24. ONLY NEW ITEMS OF RECENT MANUFACTURE, OF STANDARD QUALITY, FREE FROM DEFECTS WILL BE PERMITTED ON THE WORK. REJECTED ITEMS SHALL BE REMOVED IMMEDIATELY FROM THE WORK AND BE REPLACED WITH ITEMS OF THE QUALITY SPECIFIED. FAILURE TO REMOVE REJECTED ITEMS AND EQUIPMENT SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR QUALITY AND CHARACTER OF ITEMS USED NOR FROM ANY OTHER OBLIGATION IMPOSED ON HIM BY THE CONTRACT.

25. THE FINISHED WORK SHALL BE FIRM, WELL ANCHORED, IN TRUE ALIGNMENT, PLUMB, LEVEL, WITH SMOOTH, CLEAN, UNIFORM APPEARANCE; WITHOUT WAVES, DISTORTIONS, HOLES, MARKS, CRACKS, STAINS OR DISCOLOR. JOINTS SHALL BE CLOSE FITTING, NEAT AND WELL SCRIBED. THE FINISH WORK SHALL HAVE NO EXPOSED, UNSIGHTLY ANCHORS OR FASTENERS AND SHALL NOT PRESENT HAZARDOUS OR UNSAFE CORNERS. ALL WORK SHALL HAVE THE PROVISIONS FOR EXPANSION, CONTRACTION, AND SHRINKAGE AS NECESSARY TO PREVENT CRACKS, BUCKLING, AND WARPING DUE TO TEMPERATURE AND HUMIDITY CONDITIONS.

26. ATTACHMENTS, CONNECTIONS, OR FASTENERS OF ANY NATURE ARE TO BE PROPERLY AND PERMANENTLY SECURED IN CONFORMANCE WITH BEST PRACTICE AND THE CONTRACTOR IS RESPONSIBLE FOR IMPROVING THEM ACCORDINGLY AND TO THESE CONDITIONS. THE DRAWINGS SHOW ONLY SPECIAL CONDITIONS TO ASSIST CONTRACTOR; THEY DO NOT ILLUSTRATE EVERY SUCH DETAIL.

27. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DIMENSIONS AND ELEVATIONS AT THE SITE. THE CONTRACTOR AND SUB-CONTRACTORS SHALL COORDINATE THE LAYOUT AND EXACT LOCATIONS OF ALL PARTITIONING, DOORS, ELECTRICAL/TELEPHONE OUTLETS, LIGHT SWITCHES AND THERMOSTATS WITH THE OWNER/AGENT IN THE FIELD BEFORE PROCEEDING WITH CONSTRUCTION.

28. NO WORK DEFECTIVE IN CONSTRUCTION OR QUALITY OR DEFICIENT IN ANY REQUIREMENTS OF DRAWINGS AND SPECIFICATIONS WILL BE ACCEPTABLE IN CONSEQUENCE OF OWNER'S OR ARCHITECT'S FAILURE TO DISCOVER OR TO POINT OUT DEFECTS OR DEFICIENCIES DURING CONSTRUCTION; NOR WILL PRESENCE OF INSPECTORS ON WORK SITE RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR SECURING QUALITY AND PROGRESS OF WORK AS REQUIRED BY CONTRACT. DEFECTIVE WORK REVEALED WITHIN REQUIRED TIME GUARANTEES SHALL BE REPLACED BY WORK CONFORMING WITH INTENT OF CONTRACT. NO PAYMENT, WHETHER PARTIAL OR FINAL, SHALL BE CONSTRUED AS AN ACCEPTANCE OF DEFECTIVE WORK OR IMPROPER MATERIALS.

29. MATERIALS AND WORKMANSHIP SPECIFIED BY REFERENCE TO NUMBER, SYMBOL, TITLE OF SPECIFICATION SUCH AS COMMERCIAL STANDARDS, FEDERAL SPECIFICATIONS, TRADE ASSOCIATION STANDARD OR OTHER SIMILAR STANDARD, SHALL COMPLY WITH REQUIREMENTS IN LATEST EDITION OR REVISION THEREOF AND WITH ANY AMENDMENT OR SUPPLEMENT THERETO IN EFFECT ON DATE OF ORIGIN OF THIS PROJECT'S CONTRACT DOCUMENTS. SUCH STANDARDS, EXCEPT AS MODIFIED HEREIN, SHALL HAVE FULL FORCE EFFECTS AS THOUGH PRINTED IN CONTRACT DOCUMENTS.

30. CONTRACTOR SHALL WAIVE "COMMON PRACTICE" AND "COMMON USAGE" AS CONSTRUCTION CRITERIA WHEREVER DETAILS AND CONTRACT DOCUMENTS OR GOVERNING CODES, ORDINANCES, ETC. REQUIRE GREATER QUANTITY OR BETTER QUALITY THAN COMMON PRACTICE OR COMMON USAGE.

31. CONTRACTOR SHALL ORDER AND SCHEDULE DELIVERY OF MATERIALS IN AMPLE TIME TO AVOID DELAYS IN CONSTRUCTION. IF AN ITEM IS FOUND TO BE UNAVAILABLE, CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY TO ALLOW ARCHITECT A REASONABLE AMOUNT OF TIME TO SELECT A SUITABLE SUBSTITUTION.

32. IF AT ANY TIME BEFORE COMMENCEMENT OF WORK, OR DURING PROGRESS THEREOF, CONTRACTOR'S METHODS, EQUIPMENT, OR APPLIANCES ARE INAPPROPRIATE FOR SECURING QUALITY OF WORK OR RATE OF PROGRESS INTENDED BY CONTRACT DOCUMENTS, OWNER MAY ORDER CONTRACTOR TO IMPROVE THEIR QUALITY OR INCREASE EFFICIENCY. THIS WILL NOT RELIEVE CONTRACTOR OF HIS SURETIES FROM THEIR OBLIGATIONS TO SECURE QUALITY OF WORK AND RATE OF PROGRESS SPECIFIED IN CONTRACT.

33. WITH REFERENCE TO CEILINGS, CONTRACTOR SHALL COORDINATE WITH ALL TRADES INVOLVED TO INSURE THAT CONFLICTS DO NOT OCCUR BETWEEN LIGHT FIXTURES, DUCTWORK, DIFFUSERS, ETC., AND THAT THE CEILING HEIGHTS INDICATED ON DRAWINGS ARE ACHIEVED.

34. REFERENCE TO MAKES, BRANDS, ETC. IS TO ESTABLISH TYPE AND QUALITY DESIRED; SUBSTITUTIONS OF ACCEPTABLE EQUALS WILL BE PERMITTED UNLESS SPECIFICALLY NOTED OTHERWISE WHEN MADE ACCORDING TO PROCEDURES FOR SUBSTITUTIONS.

35. CONTRACTOR SHALL APPLY FOR, PAY FOR, AND OBTAIN ALL REQUIRED PERMITS FOR CONSTRUCTION AND OCCUPANCY.

36. PROVIDE SHOP AND/OR SUBMITTALS FOR THE FOLLOWING ITEMS:

MILLWORK, CASEWORK, AND HARDWARE
FINISH CARPENTRY
GLAZING
FLOOR FINISHES
ACOUSTICAL CEILING TILE AND GRID
WALL FINISHES
ALUMINUM FRAMES
DOORS, DOOR HARDWARE AND
HOLLOW METAL FRAMES
LIGHTING, EXIT SIGNAGE, AND
EMERGENCY DEVICES
ELECTRICAL DEVICES
MECHANICAL EQUIPMENT

37. PRIOR TO SUBMITTING A QUOTATION FOR THIS WORK, THE CONTRACTOR SHALL REVIEW THESE DRAWINGS AND SPECIFICATIONS AND SHALL VISIT THE SITE TO FAMILIARIZE HIMSELF (THEMSELVES) WITH EXISTING CONDITIONS AND LIMITATIONS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.

38. WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH APPLICABLE FIRE, HEALTH, SAFETY AND BUILDING CODES OF THE LOCAL AND STATE IN WHICH THE PREMISES ARE SITUATED. WORKING CONDITIONS TO COMPLY WITH FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT GUIDELINES. CONTRACTORS SHALL REMOVE OR REPAIR ALL CONDITIONS NOT IN ACCORDANCE WITH STATE AND LOCAL CODES.

39. ALL WORK SHALL BE FREE OF DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF SUBSTANTIAL COMPLETION. ALL SUCH DEFECTS SHALL BE CORRECTED BY THIS CONTRACTOR(S) AT NO EXPENSE TO THE OWNER.

40. THE CONTRACTOR SHALL PROVIDE ALL LABOR, GOODS AND SERVICES REQUIRED TO COMPLETE THE WORK IN GOOD ORDER AND ON TIME, IN ACCORDANCE WITH THE CONSTRUCTION SCHEDULE SUBMITTED BEFORE COMMENCING WORK.

41. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR DEBRIS REMOVAL. DO NOT ALLOW DEBRIS TO ACCUMULATE. PROVIDE ADEQUATE DUST AND NOISE BARRIERS. ALL AREAS SHALL BE LEFT BROOM CLEAN DAILY. WASH AND CLEAN ALL WORK AFFECTED BY CONSTRUCTION AT COMPLETION OF PROJECT. PROVIDE WEATHER BARRIERS AS REQUIRED. ALL COMPLETED OR ADJACENT WORK SHALL BE PROTECTED, ALL RUBBISH AND DEBRIS REMOVED ON A DAILY BASIS, AND THE PREMISES DELIVERED TO THE LANDLORD, READY FOR TENANT. CLEAN ALL EXPOSED SURFACES, INCLUDING GLAZING. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRASH REMOVAL. COORDINATE WITH LANDLORD FOR SOURCE OF WATER DURING CONSTRUCTION.

42. CONTRACTOR SHALL BE RESPONSIBLE FOR KEYING ALL REQUIRED LOCK SETS AND COORDINATING WITH OWNER TO ENSURE THAT CYLINDERS ARE KEYED TO BUILDING MASTER KEY SYSTEM AND THAT SUFFICIENT NUMBER OF KEYS ARE SUPPLIED AT TIME OF SUBSTANTIAL COMPLETION.

43. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE FIRE EXTINGUISHERS IN HIS WORK SPACE TO COMPLY WITH ALL FIRE REGULATIONS THROUGHOUT THE DURATION OF CONSTRUCTION. CONTRACTORS SHALL COMPLY WITH ALL FEDERAL AND LOCAL SAFETY REGULATIONS IN THE EXECUTION OF THEIR WORK.

44. THESE DRAWINGS ARE TO BE USED FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN AND MAY NOT BE USED ON ANY OTHER PROJECT.

45. ALL SURPLUS MATERIAL IS THE PROPERTY OF THE OWNER AND SHALL BE LABELED AND TURNED OVER TO MANAGEMENT.

46. FIELD INVESTIGATIONS SHALL BE MADE TO THE EXTENT NECESSARY TO INSURE NO BUILDING OR ADJACENT TENANT SERVICES ARE DISTURBED OR INTERRUPTED WITHOUT PRIOR PERMISSION OF THE OWNER.

47. ALL DRAWINGS INCLUDED IN THIS SET OF CONSTRUCTION DOCUMENTS SHALL BE CONSIDERED PART OF THE CONTRACT DOCUMENTS. ALL WORK INDICATED ON ALL SHEETS IS TO BE PERFORMED EVEN IF INDICATED ON ONLY ONE DRAWING.

48. THE EXIT AND EMERGENCY LIGHTS SHOWN ARE FOR GUIDANCE. THE CONTRACTOR SHALL COORDINATE WITH LOCAL INSPECTOR FOR EXACT QUANTITY AND LOCATIONS.

49. CONTRACTOR SHALL INSPECT ALL SUBSTRATES PRIOR TO INSTALLING FINISH MATERIALS. INSTALLATION OF FINISH MATERIALS BY SUBCONTRACTORS INDICATES ACCEPTANCE OF SUBSTRATE AND THAT THE SUBSTRATE IS ACCEPTABLE FOR THAT SPECIFIC FINISH.

ALL WORK SHALL CONFORM TO ALL ADOPTED CODES THAT INCLUDE BUT ARE NOT LIMITED TO:

- ANSI A117.1
-2021 IBC BUILDING CODE
-2021 ENERGY CONSERVATION CODE
-2021 FIRE CODE
-2021 FUEL GAS CODE
-2021 MECHANICAL CODE
-2021 PLUMBING CODE
-2021 ELECTRICAL CODE

SYMBOLS

POWER AND COMMUNICATIONS

SYMBOL	DESCRIPTION
	EQUIPMENT TAG (REFER TO EQUIPMENT SCHEDULE)
T	THERMOSTAT
CTV	CABLE TV RECEPTACLE
AV	AV RECEPTACLE
AVT	AV TROUGH
J	ELECTRICAL JUNCTION BOX
J	VOICE/DATA JUNCTION BOX
P	SYS WORKSTATION PANEL POWER INFEED
V	SYS WORKSTATION PANEL VOICE/DATA INFEED
	CONDUIT STUB-OUT POWER
	CONDUIT STUB-OUT VOICE AND DATA
	CONDUIT STUB-OUT A/V
	PLUG MOLD / RACEWAY
x	DUPLEX RECEPTACLE WALL-MOUNTED
x	DOUBLE DUPLEX RECEPTACLE WALL-MOUNTED
x	SPECIAL PURPOSE RECEPTACLE WALL-MOUNTED *x = SPECIAL CONDITIONS (USB, GFI)*
	DATA RECEPTACLE
	VOICE RECEPTACLE
TV	COMBINATION RF COAX CABLE AND DATA OUTLET
S x S	AUDIO LOUDSPEAKER - WALL, CEILING, *X=WIRING ZONE*
W	WIRELESS ACCESS POINT LOCATION - CEILING-MOUNTED
S	CEILING-MOUNTED SPEAKER
	FLOOR BOX OUTLET
	EMERGENCY WALL LIGHT

ABBREVIATIONS

BP	BOOSTER PUMP
DMV	DIGITAL MIXING VALVE
EEW	EMERGENCY EYE WASH
FD	FLOOR DRAIN
FS	FLOOR SINK
HB	HOSE BIBB
LAV	LAVATORY
NSC	NO SALT CONDITIONER
RD	ROOF DRAIN
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
SH	SHOWER
SK	SINK
ESP	ELEVATOR SUMP PUMP
SS	SERVICE SINK
TYP	TYPICAL
WC	WATER CLOSET
WH	WATER HEATER

SECTION INDICATORS

SYMBOL	DESCRIPTION
	ACOUSTICAL CEILING TILE
	ALUMINUM
	BRICK
	CARPET
	CONCRETE
	CONCRETE MASONRY UNIT
	EARTH
	FABRIC WRAPPED PANEL
	GLASS
	GRAVEL
	GYPSUM CEILING (PAINTED)
	INSULATION (LOOSE OR BATT)
	INSULATION (RIGID)
	METAL
	PLASTIC
	PLYWOOD
	SAND OR GROUT
	STONE
	WOOD (FINISHED)
	WOOD (CONTINUOUS MEMBER)
	WOOD (INTERRUPTED MEMBER)

LIGHTING

A a — LIGHT FIXTURE
A = UPPER CASE LETTER INDICATES LIGHT FIXTURE TYPE
= WALL MOUNT
= ARROW INDICATED AIMING DIRECTION
CEILING MOUNT OCCUPANCY SENSOR
OS = OCCUPANCY SENSOR SWITCH
D = DIMMING SWITCH

POWER EQUIPMENT & DEVICES

ELECTRICAL PANELBOARD (SURFACE OR FLUSH MOUNT), TYPE AS NOTED
ELECTRICAL DISTRIBUTION PANELBOARD
DISCONNECT SWITCH
FIRE ALARM CONTROL PANEL (FACP)

BOXES, LIGHTING CONTROL & WIRING DEVICES

GFCI DUPLEX
DUPLEX RECEPTACLE
DOUBLE DUPLEX RECEPTACLE
SPECIAL RECEPTACLE
RECEPTACLE INSTALLED ABOVE COUNTER OR BACKSPLASH*
RECEPTACLE INSTALLED IN FLOOR
RECEPTACLE LETTER DESIGNATIONS AS FOLLOWS:
USB = USB/DUPLEX
WP = WEATHER PROOF COVER
JUNCTION/OUTLET BOX
X CX — COAXIAL CABLE OUTLET
X C5 — CAT5 DATA OUTLET x = NO. OF DATA OUTLETS
X C6 — CAT6 DATA OUTLET x = NO. OF DATA OUTLETS
FIRE ALARM PULL STATION

*#" = MOUNTING HEIGHT

SWITCHING CONTROLS

SYMBOL	DESCRIPTION
$*	SINGLE POLE SWITCH (SUPERSCRIPT DENOTES SIMILARLY MARKED LUMINAIRES CONTROLLED TOGETHER)
$3	THREE WAY SWITCH
$K	KEY OPERATED SWITCH
$D	DIMMER SWITCH
OS	SWITCH WITH INTEGRAL OCCUPANCY SENSOR - WALL MOUNTED
OS	360 DEGREE OCCUPANCY SENSOR - CEILING MOUNTED
	LIGHTING CONTROL KEYPAD
wb	LT SWITCH WALL BOX W/ OCC SENSOR
	WIRELESS LT CONTROL STATION (GRAFIK EYE)

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permt Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: KKJ
checked by: FTM
project no: 25-104

ABBREVIATIONS

G104

9/18/2026 10:34:22 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

ABBREVIATIONS

A

AB	ANCHOR BOLT
A/C	AIR CONDITIONING
AC	ALTERNATING CURRENT
ACI	AMERICAN CONCRETE INSTITUTE
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALUM.	ALUMINUM
AMP.	AMPERE, AMPS
ARCH.	ARCHITECT, ARCHITECTURAL
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATIONAND A/C ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
AVG	AVERAGE
ABV	ABOVE
ACOUST.	ACOUSTIC(AL)
AD	ACCESS DOOR
ADDL.	ADDITIONAL
AFF	ABOVE FINISH FLOOR
ATL	ALTERNATE
ALUM	ALUMINUM
AP	ACCESS PANEL

B

BC	BUILDING CONTRACTOR
BLDG.	BUILDING
BM	BEAM
BOT.	BOTTOM
BTU	BRITISH THERMAL UNIT
BD	BOARD
BETW	BETWEEN
BR	BEDROOM
BTHRM	BATHROOM
BRZ	BRONZE

C

CF	CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR, CLEARANCE
CMU	CONCRETE MASONRY UNIT
CNTR.	COUNTER
CO	CLEAN OUT
COL.	COLUMN
CONC.	CONCRETE, CONCENTRIC
CONT.	CONTINUOUS, CONTINUATION
COORD.	COORDINATE
CR	CONDENSATE RETURN
CJ	CONSTRUCTION JOINT
CTR	CENTER
CM	CORRUGATED METAL
CW	COLD WATER
CAB	CABINET
CORR	CORRIDOR
CPT	CARPET
CT	CERAMIC TILE

D

DBL	DOUBLE
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DN	DOWN
DR	DOOR
F.F	FINISHED FLOOR
DW	DISHWASHER
DWR	DRAWER

E

EA	EACH
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
E.J.	EXPANSION JOINT
EL	ELEVATION
ELEC.	ELECTRICAL
EMP.	EMPLOYEE
EMS	ENERGY MANAGEMENT SYSTEM
ENCL.	ENCLOSURE
ENT.	ENTRY, ENTRANCE
E.O.D.	EMERGENCY OVERFLOW DRAIN
EQ	EQUAL
EW	EACH WAY
EXP	EXPANSION
EQUIP.	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST.	EXISTING
EXT.	EXTERNAL, EXTERIOR
ENTR	ENTRANCE
EMER	EMERGENCY
ELEV	ELEVATION
EIFS	EXTERIOR INSULATION

F

FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FCO	FLOOR CLEAN OUT
FD	FIRE DAMPER, FLOOR DRAIN
FIN.	FINISH (ED)
FIXT.	FIXTURE
FDN	FOUNDATION
FLG	FLANGE
FTG.	FOOTING
FS	FAR SIDE
F.F	FINISHED FLOOR
FLUOR.	FLUORESCENT
FRP	FIBERGLASS REINFORCED PANEL
FT	FOOT, FEET
FAB	FABRICATION
FC	FACE OF CURB
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE AND CABINET
FLR.	FLOORING
FR	FIRE RATED
FRMG	FRAMING
FS	FLOOR SINK, FOOD SERVICE
FURN	FURNITURE
FXD	FIXED

G

GA	GAUGE
GALV.	GALVANIZED
GC	GENERAL CONTRACTOR
GB	GRADE BEAM
GWB	GYPSUM WALL BOARD
GL	GLASS,GLAZING
GYP	GYPSUM
GR	GRADING

H

HGT	HEIGHT
HORIZ.	HORIZONTAL
HP	HIGH POINT
HTR	HEATER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HVU	HEATING AND VENTILATING UNIT
HVY	HEAVY
HT	HEIGHT
HR	HOUR
HM	HOLLOW METAL
HDWD	HARDWOOD
HD	HEAD

I

I.D.	INSIDE DIAMETER
IE	INVERT ELEVATION
INT	INTERIOR
INTER.	INTERMEDIATE
IN	INCH (ES)
INSUL.	INSULATION
INFO	INFORMATION
INFILTR	INFILTRATION

J

J.B.	JUNCTION BOX
JT	JOINT
JAN	JANITOR

K

K	KIPS (1000 LBS)
KV	KILOVOLT
KVA	KILOVOLT-AMP
KW	KILOWATT
KWH	KILOWATT-HOUR
KIT	KITCHEN

L

LB	POUNDS
L.F.	LINEAR FEET
LL	LIVE LOAD, LANDLORD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG.	LONGITUDINAL
LT	LIGHT
L.P.	LOW POINT
LTG	LIGHTING
LWC	LIGHT WEIGHT CONCRETE
LVL	LEVEL
LAM	LAMINATE
LAV	LAVATORY
LVT	LINEAR VINYL TILE

M

MAX	MAXIMUM
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MANUF.	MANUFACTURER
MH	MANHOLE, METAL HALIDE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MSB	MAIN SWITCHBOARD
MTD	MOUNTED
MTL	METAL
MAINT	MAINTENANCE
MEMB	MEMBRANE
MEZZ	MEZZANINE
MGR	MANAGER
MISC	MISCELLANEOUS
MOIST	MOISTURE
MTG	MEETING

N

N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELEC.L MANUFACTURERS ASSOCIATION
NF	NEAR FACE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
N.I.C	NOT IN CONTRACT
NL	NIGHT LIGHT
NO.	NUMBER
NOM.	NOMINAL
NTS	NOT TO SCALE
N	NORTH

O

OA	OUTSIDE AIR
OC	ON CENTER
OF	OUTSIDE FACE
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OPNG	OPENING
OSHA ADMIN.	OCCUPATIONAL SAFETY AND HEALTH
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
OVHD	OVERHEAD

P

PAR	PARALLEL
P/C	PRECAST CONCRETE
PC	PIECE
PDU	POWER DISTRIBUTION UNIT
PER	PERPENDICULAR
PH	PHASE
PT	PAINT
PTD	PAINTED
PL	PLATE
PLBG	PLUMBING
PNL	PANEL
PIV	POST INDICATOR VALVE
PSF	POUNDS PER SQUARE FOOT
PVC	POLYVINYL CHLORIDE
PBD	PARTICLE BOARD
PLAS	PLASTER
PLYWD	PLYWOOD
PORT	PORTABLE
PR	PAIR
PREFAB	PREFABRICATED
PTN	PARTITION

Q

QTY.	QUANTITY

R

RA	RETURN AIR
RAD	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE, REFER
REINF.	REINFORCING
REQD	REQUIRED
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RTU	ROOFTOP UNIT
R	RISER
RECEPT	RECEPTACLE
REFL	REFLECTED
REFR	REFRIGERATOR
RESIL	RESILIENT
REV	REVISION
RFG	ROOFING
RM	ROOM
RTU	ROOF TOP UNIT

S

SC	SITE CONTRACTOR
SCHED.	SCHEDULE (D)
SCHR	SECONDARY CHILLED WATER RETURN
SD	SMOKE DAMPER, SMOKE DETECTOR
SECT.	SECTION
S	SENSOR
S.F.	SQUARE FEET
SHT	SHEET
SIM	SIMILAR
SHT. MTL.	SHEET METAL
SPEC.	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL, SANITARY SEWER
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STIFF.	STIFFENER
STIR.	STIRRUPS
SUSP.	SUSPENDED
SYMM.	SYMMETRICAL
S & R	SHELF AND ROD
SERV	SERVICE
SSK	SERVICE SINK
SST	STAINLESS SINK
STOR	STORAGE
STRUCT	STRUCTURE
SUSP	SUSPENDED
SYS	SYSTEM

T

T&B	TOP AND BOTTOM
T.O.F.	TOP OF FOOTING
THICK.	THICKNESS
T.O.J.	TOP OF JOIST
T.O.S.	TOP OF STEELTHRU
T	THERMOSTAT
TYP	TYPICAL
TS	TEMPERATURE SENSOR
TB	THIN BRICK - INTERIOR FINISH
T & G	TONGUE & GROOVE
TEL	TELEPHONE
TLT	TOILET
TOW	TOP OF WALL
TV	TELEVISION

U

UL	UNDERWRITERS LABORATORIES
U.O.N.	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTED POWER SUPPLY
UR	URINAL
UTIL	UTILITY

V

V	VOLT
VA	VOLT-AMPERE
VERT.	VERTICAL
VGB	VINYL FACED GYPSUM BOARD
VTR	VENT THROUGH ROOF
VCT	VINYL COMPOSITION TILE
VEST	VESTIBULE
VWC	VINYL WALL COVERING

W

W/	WITH
W/O	WITHOUT
WCO	WALL CLEANOUT
W.C.	WATER CLOSET
WS	WAINSCOT
WP	WEATHER PROOFING
W.O.	WALL OPENING
WWF	WELDED WIRE FABRIC
WD	WOOD
WPT	WORK POINT
WP	WATERPROOF
WDW	WINDOW

X

XFMR	TRANSFORMER

Y

YD	YARD

SYMBOLS

DRAWING INDICATORS

SYMBOL	DESCRIPTION
1A / A101	DETAIL NUMBER
	SHEET NUMBER WHERE SHOWN
	AREA TO BE DETAILED
E	COLUMN GRID REFERENCE NUMBER AND LINES
	WORK OR DATUM POINT
C	WINDOW TYPE
?	KEYNOTE
123A	DOOR NUMBER
ROOMNAME 123	ROOM NUMBER
1A / A101 / SIM	SECTION NUMBER
	DESCRIPTOR OF SIMILAR OR OPPOSITE
	SHEET NUMBER WHERE SHOWN
1A / A101	EXTERIOR ELEVATION NUMBER
	SHEET NUMBER WHERE SHOWN
2 / 1 A101 3 / 4	INTERIOR ELEVATION NUMBER
	SHEET NUMBER WHERE SHOWN
	REVISION CLOUD DEPICTING AREA REVISED
ALIGN	ALIGN WITH ESTABLISHED OR ADJACENT SURFACES
100	DOOR NUMBER
ROOM 100	ROOM NUMBER
A	WINDOW TYPES
1	REVISION
1.11	KEYNOTE
8'-0"	CEILING HEIGHT
SM01	WALL TYPE

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: KKJ
checked by: FTM
project no: 25-104

ABBREVIATIONS

G105

9/18/2026 10:34:24 AM

NOTE:

1. PROVIDE A TWO-WAY COMMUNICATION SYSTEM WITH A TIMED AUTOMATIC TELEPHONE DIAL-OUT CAPABILITY TO A MONITORING LOCATION OR 9-1-1.
2. THE TWO-WAY COMMUNICATION SYSTEM SHALL INCLUDE BOTH AUDIBLE AND VISIBLE SIGNS.
3. DIRECTIONS FOR THE USE OF THE TWO-WAY COMMUNICATION SYSTEM, INSTRUCTIONS FOR SUMMONING ASSISTANCE VIA THE TWO-WAY COMMUNICAITON SYSTEM, AND WRITTEN IDENTIFICATION OF THE LOCATION SHALL BE POSTED ADJACENT TO THE TWO-WAY COMMUNICATION SYSTEM.
4. SIGNAGE SHALL COMPLY WITH THE ICC A117.1 REQUIREMENTS FOR VISUAL CHARACTERS.

NOTE:

PROVIDE INTERIOR BUILDING SIGNAGE COMPLIANT WITH NCBC SECTION 1110 AND APPENDIX E (107.2) AS WELL AS ASNI A117.1 SIGNAGE IS TO PROVIDE THE FOLLOWING AS WELL AS OTHER REQUIREMENTS / CONDITIONS IDENTIFIED:

- GRADE 2 BRAILLE EQUIVALENT LETTERING; MOUNTED AT 48-60" HEIGHT
- SIGN SIZES AS IDENTIFIED; SEE ANSI TABLE 703.2.4
- EXIT SIGNAGE SI TO BE MOUNTED ABOVE DOORAS WELL AS PROVIDING TACTILE SIGNS MOUNTED PER ANSI 703.4.5
- INCLUDE SIGNAGE FOR 1110.1 #1, 1110.2 #3, 1110.3 #2,5,6
- SITE SIGNAGE IS IDENTIFIED AS SPECIFIED IN THE CIVIL DOCUMENTS

WALL RATING LEGEND

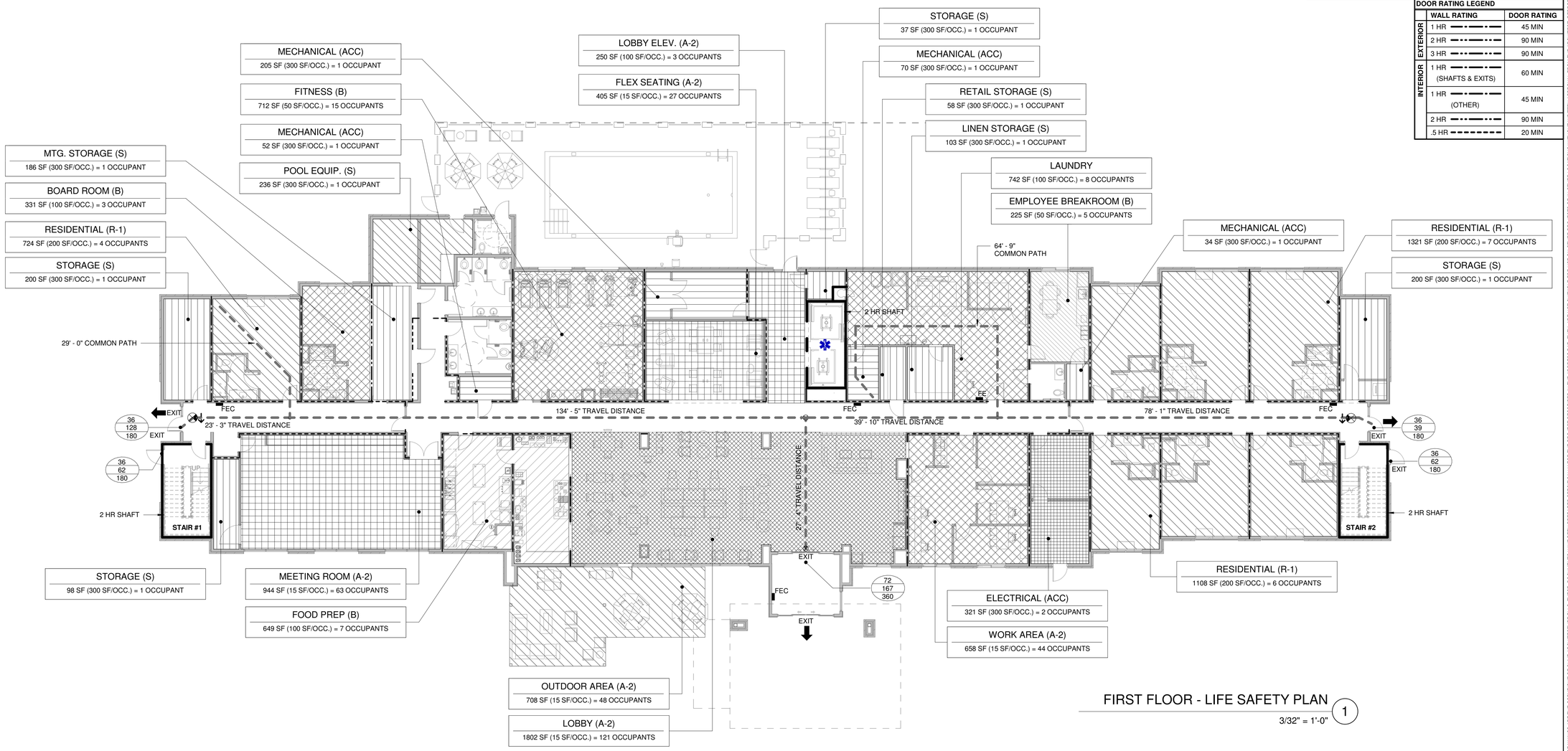
	30 MINUTE EXIT ACCESS CORRIDOR
	1 HOUR FIRE PARTITION
	2 HOUR FIRE PARTITION
	1 HOUR FIRE BARRIER
	2 HOUR SHAFT ENCLOSURE/STRUCTURE PROTECTION
	EXIT SIGN
F.E.C.	FIRE EXTINGUISHER CABINET
	"STAR OF LIFE" DECAL AT ELEVATOR ENTRANCE FOR STRETCHER CAPABILITY
# / ## / ###	EXIT WIDTH (inches) EXIT LOAD EXIT CAPACITY
	EXIT PATH

LIFE SAFETY NOTES

1. ALL RATED WALLS ABOVE CEILING TILE TO BE LABELED BY STENCIL OR PLACARD INDICATING THEIR FIRE RATING.
2. THIS IS A TYPE V.A SPRINKLERED BUILDING.
3. MAXIMUM TRAVEL LENGTH ALLOWED= 250 FEET (IBC); 200 FEET (NFPA)
4. FIRE BARRIERS SHALL EXTEND FROM THE FLOOR TO THE UNDERSIDE OF THE FIRE-RESISTANCE-RATED ROOF/FLOOR/CEILING ASSEMBLY. DOORS MUST BE SELF-CLOSING.

DOOR RATING LEGEND

	WALL RATING	DOOR RATING
EXTERIOR	1 HR	45 MIN
	2 HR	90 MIN
	3 HR	90 MIN
INTERIOR	1 HR (SHAFTS & EXITS)	60 MIN
	1 HR (OTHER)	45 MIN
	2 HR	90 MIN
	.5 HR	20 MIN



FIRST FLOOR - LIFE SAFETY PLAN (1)

3/32" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

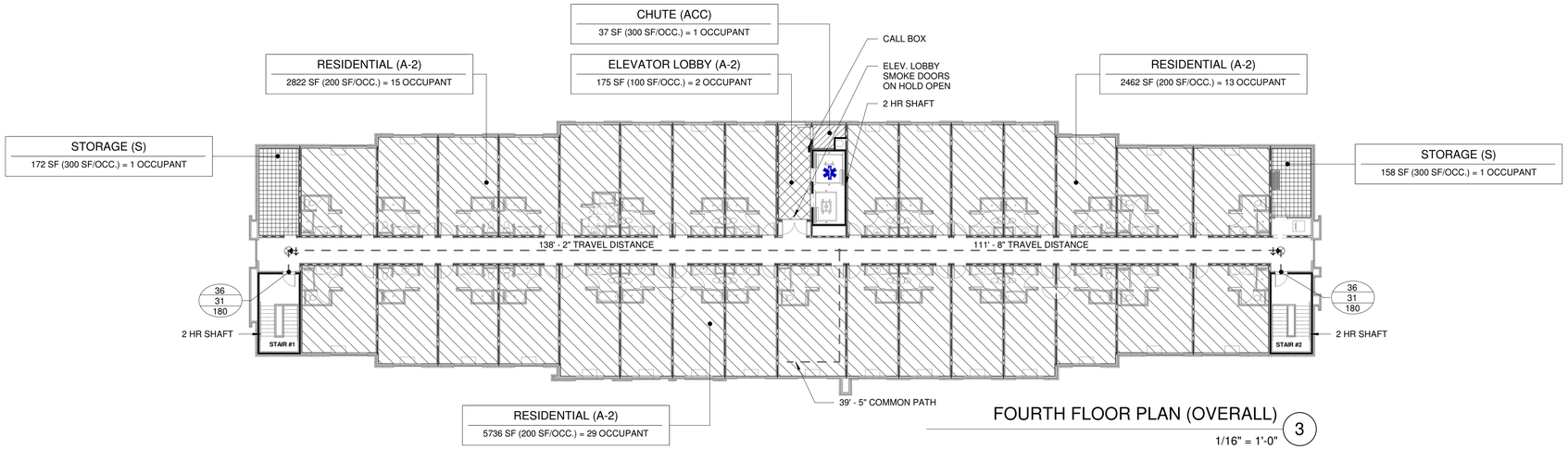
drawn by: KKJ
checked by: FTM
project no: 25-104

LIFE SAFETY

G200

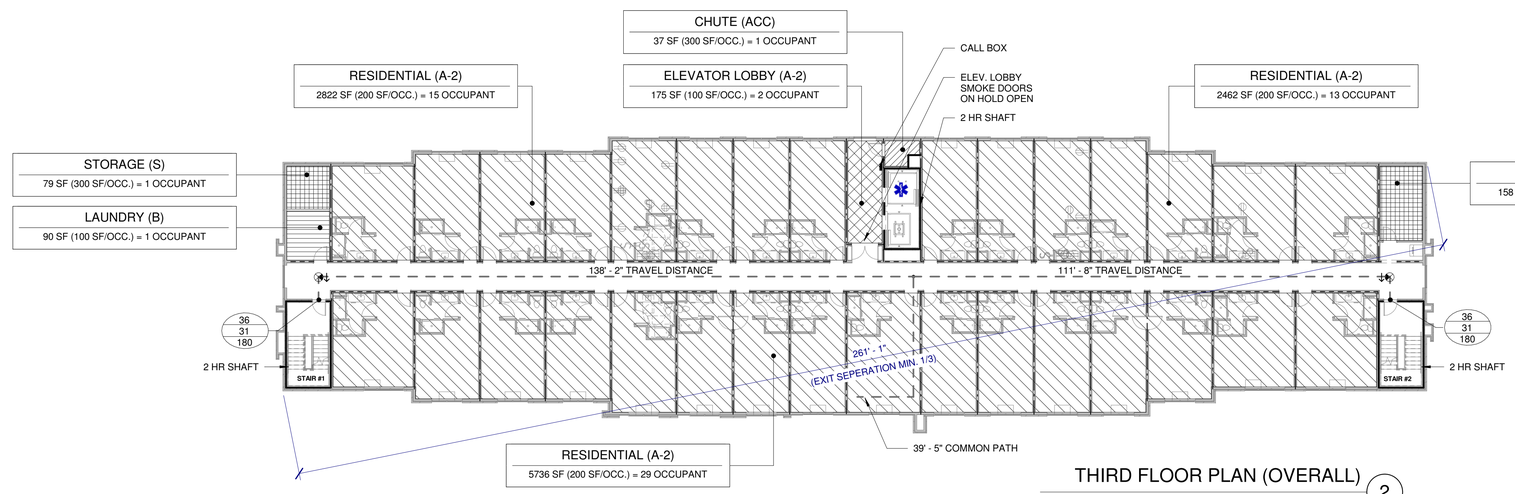
9/18/2026 10:34:31 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



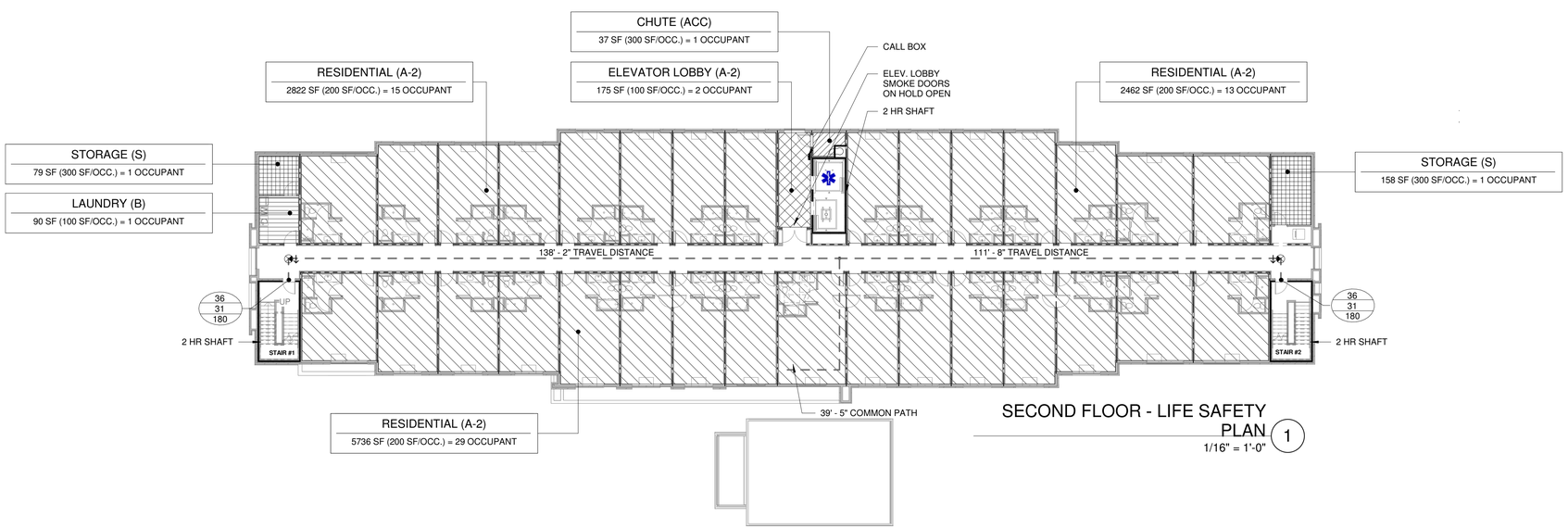
FOURTH FLOOR PLAN (OVERALL) 3

1/16" = 1'-0"



THIRD FLOOR PLAN (OVERALL) 2

1/16" = 1'-0"



SECOND FLOOR - LIFE SAFETY PLAN 1

1/16" = 1'-0"

WALL RATING LEGEND

	30 MINUTE EXIT ACCESS CORRIDOR
	1 HOUR FIRE PARTITION
	2 HOUR FIRE PARTITION
	1 HOUR FIRE BARRIER
	2 HOUR SHAFT ENCLOSURE/STRUCTURE PROTECTION
	EXIT SIGN
F.E.C.	FIRE EXTINGUISHER CABINET
	"STAR OF LIFE" DECAL AT ELEVATOR ENTRANCE FOR STRETCHER CAPABILITY
# / ## / ###	EXIT WIDTH (inches) / EXIT LOAD / EXIT CAPACITY
	EXIT PATH

LIFE SAFETY NOTES

1. ALL RATED WALLS ABOVE CEILING TILE TO BE LABELED BY STENCIL OR PLACARD INDICATING THEIR FIRE RATING.
2. THIS IS A TYPE V.A SPRINKLERED BUILDING.
3. MAXIMUM TRAVEL LENGTH ALLOWED= 250 FEET (IBC); 200 FEET (NFPA)
4. FIRE BARRIERS SHALL EXTEND FROM THE FLOOR TO THE UNDERSIDE OF THE FIRE-RESISTANCE-RATED ROOF/FLOOR/CEILING ASSEMBLY. DOORS MUST BE SELF-CLOSING.

DOOR RATING LEGEND

	WALL RATING	DOOR RATING
EXTERIOR	1 HR	45 MIN
	2 HR	90 MIN
	3 HR	90 MIN
INTERIOR	1 HR (SHAFTS & EXITS)	60 MIN
	1 HR (OTHER)	45 MIN
	2 HR	90 MIN
	.5 HR	20 MIN

NOTE:

1. PROVIDE A TWO-WAY COMMUNICATION SYSTEM WITH A TIMED AUTOMATIC TELEPHONE DIAL-OUT CAPABILITY TO A MONITORING LOCATION OR 9-1-1.
2. THE TWO-WAY COMMUNICATION SYSTEM SHALL INCLUDE BOTH AUDIBLE AND VISIBLE SIGNS.
3. DIRECTIONS FOR THE USE OF THE TWO-WAY COMMUNICATION SYSTEM, INSTRUCTIONS FOR SUMMONING ASSISTANCE VIA THE TWO-WAY COMMUNICAITON SYSTEM, AND WRITTEN IDENTIFICATION OF THE LOCATION SHALL BE POSTED ADJACENT TO THE TWO-WAY COMMUNICATION SYSTEM.
4. SIGNAGE SHALL COMPLY WITH THE ICC A117.1 REQUIREMENTS FOR VISUAL CHARACTERS.

NOTE:

PROVIDE INTERIOR BUILDING SIGNAGE COMPLIANT WITH NCBC SECTION 1110 AND APPENDIX E (107.2) AS WELL AS ASNI A117.1 SIGNAGE IS TO PROVIDE THE FOLLOWING AS WELL AS OTHER REQUIREMENTS / CONDITIONS IDENTIFIED:

- GRADE 2 BRAILLE EQUIVALENT LETTERING; MOUNTED AT 48-60" HEIGHT
- SIGN SIZES AS IDENTIFIED; SEE ANSI TABLE 703.2.4
- EXIT SIGNAGE SI TO BE MOUNTED ABOVE DOORAS WELL AS PROVIDING TACTILE SIGNS MOUNTED PER ANSI 703.4.5
- INCLUDE SIGNAGE FOR 1110.1 #1, 1110.2 #3, 1110.3 #2,5,6
- SITE SIGNAGE IS IDENTIFIED AS SPECIFIED IN THE CIVIL DOCUMENTS

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

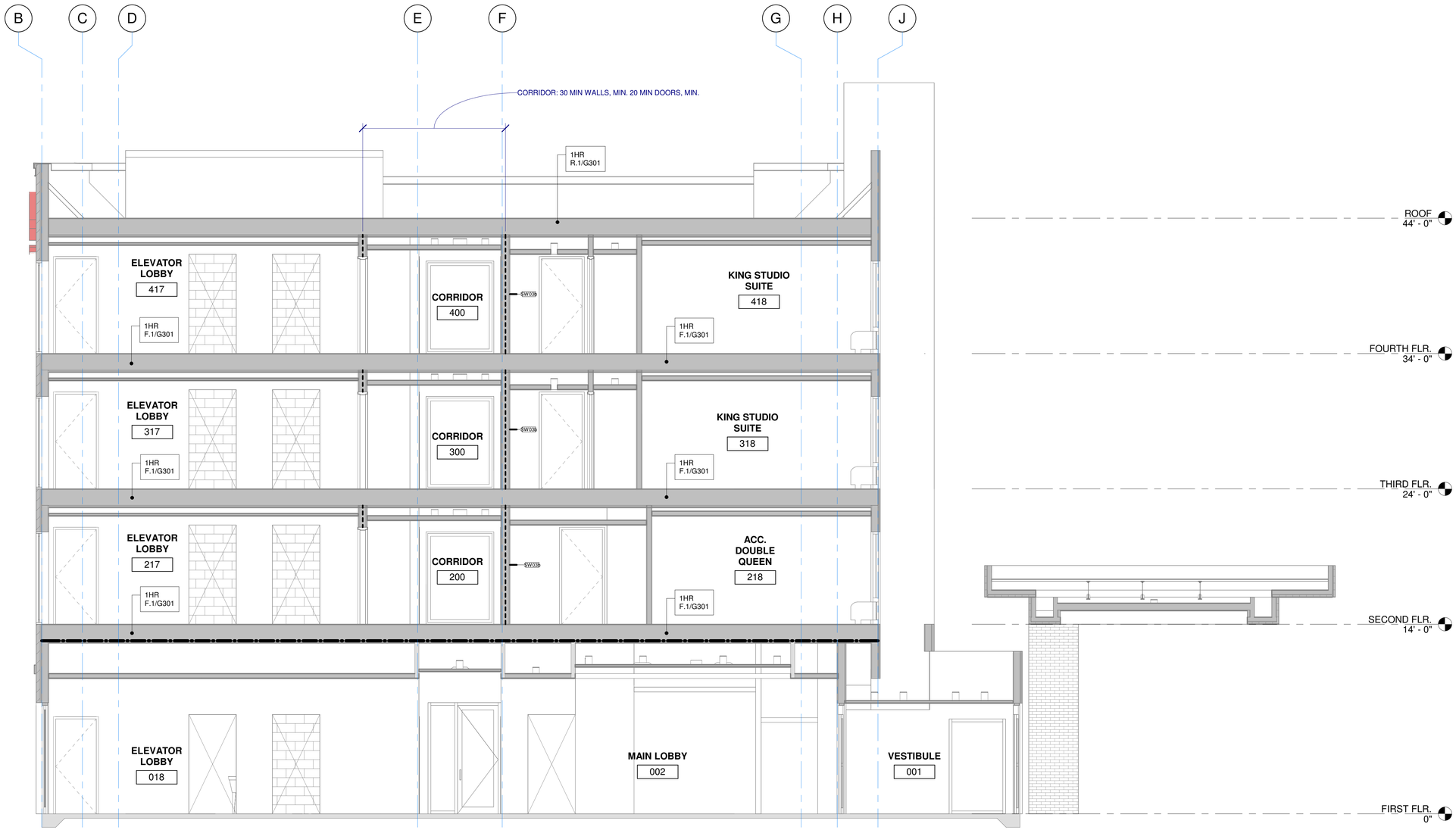
Revision	Date	Description

drawn by: KKJ
checked by: FTM
project no: 25-104

LIFE SAFETY

G201

9/18/2026 10:34:42 AM



CROSS SECTION - LIFE SAFETY (1)

1/4" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: KKJ

checked by: FTM

project no: 25-104

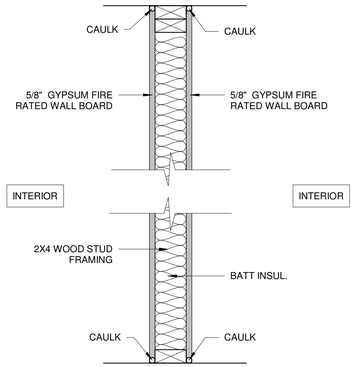
LIFE SAFETY - SECTION

G202

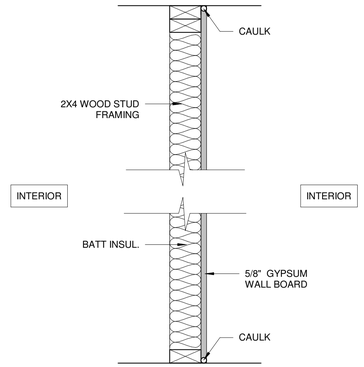
9/18/2026 10:34:48 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

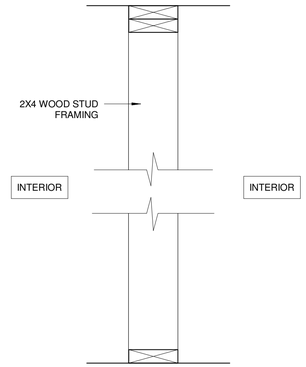
WALL TYPES



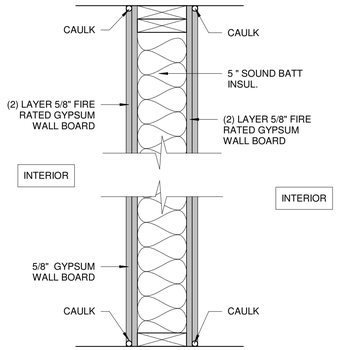
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW01	INTERIOR WALL	1 HR	U309



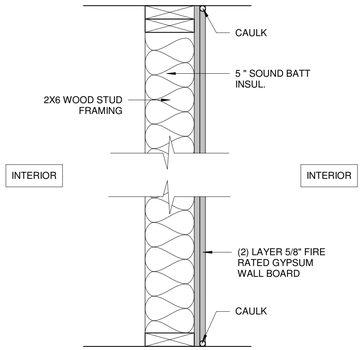
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW02	INTERIOR WALL	---	---



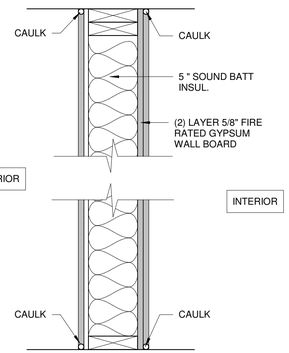
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW02a	INTERIOR WALL	---	---



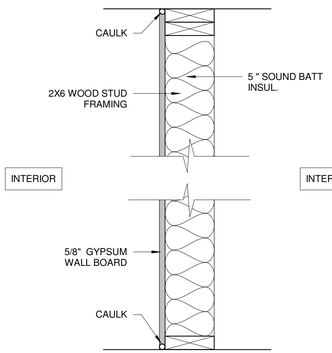
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW03	DEMISING WALL	1 HR	U309



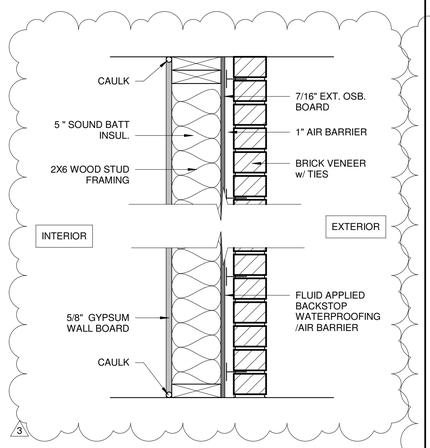
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW03a	INTERIOR WALL	---	---



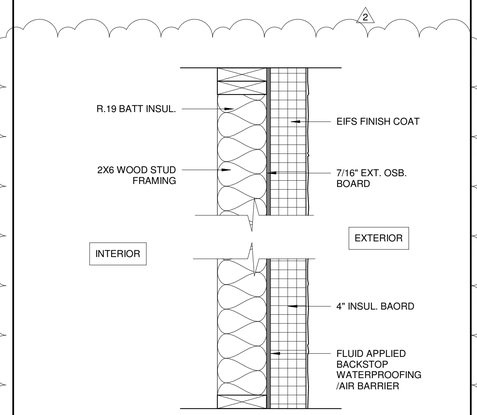
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW03b	CORRIDOR WALL	30 MIN.	U305



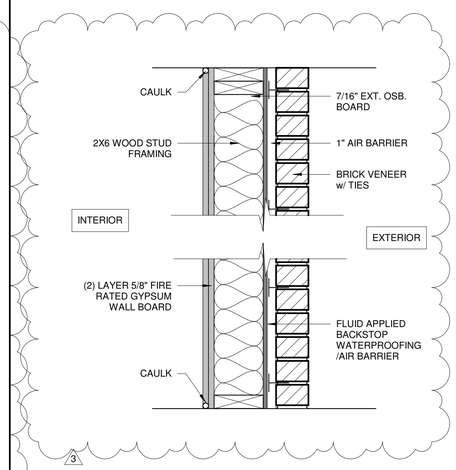
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW03c	INTERIOR WALL	---	---



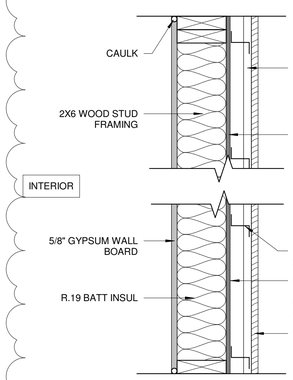
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW04	EXTERIOR WALL	---	---



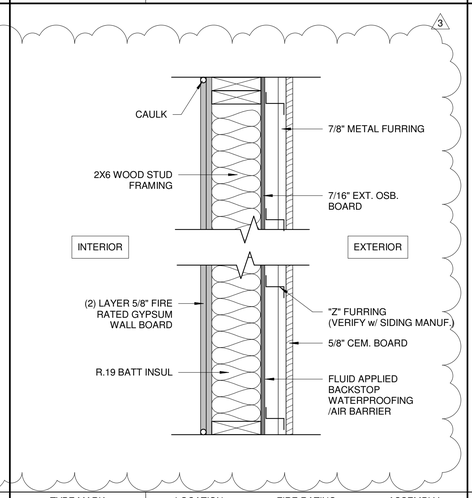
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW04a	EXTERIOR WALL	---	---



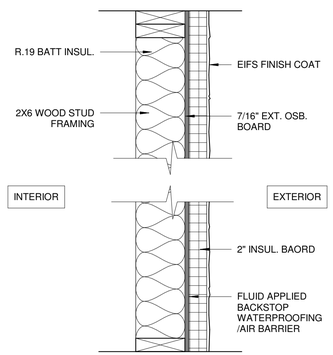
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW04b	EXTERIOR WALL	---	---



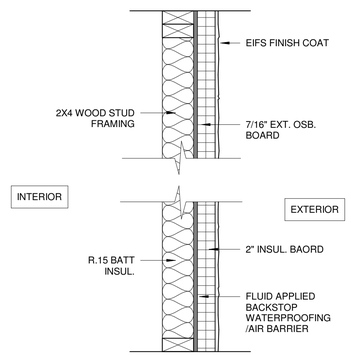
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW05	EXTERIOR WALL	---	---



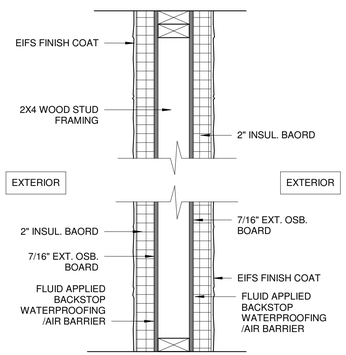
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW05a	EXTERIOR WALL	---	---



TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW06	EXTERIOR WALL	---	---



TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW07	EXTERIOR WALL	---	---



TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW07a	EXTERIOR WALL	---	---

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
2	07.20.26	COORDINATION
3	09.16.26	CLARIFICATIONS

drawn by: KKJ
checked by: FTM
project no: 25-104

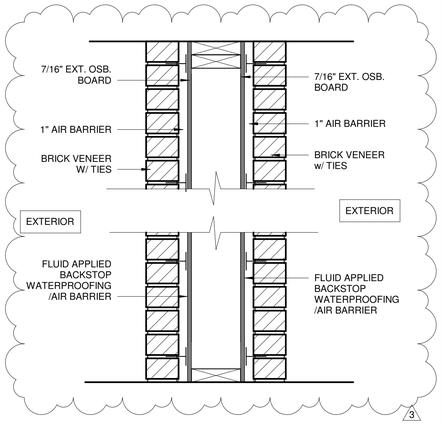
WALL TYPES

G300

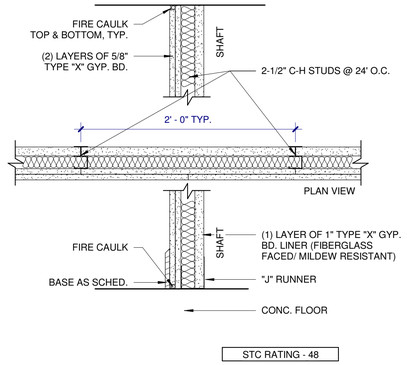
9/18/2026 10:34:51 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

WALL TYPES



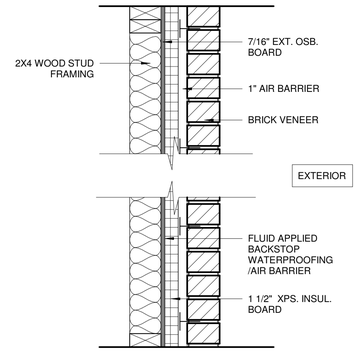
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW08	EXTERIOR WALL	---	---



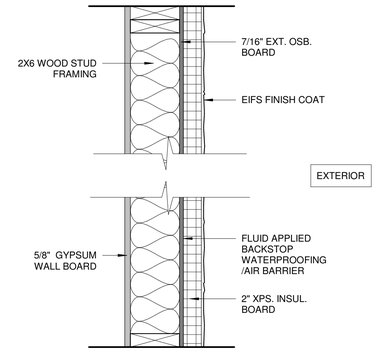
STC RATING - 48

*ALL SHAFT SIDE WALL GWB TO BE NON CELLULOSE FACED/ MR, TYP.

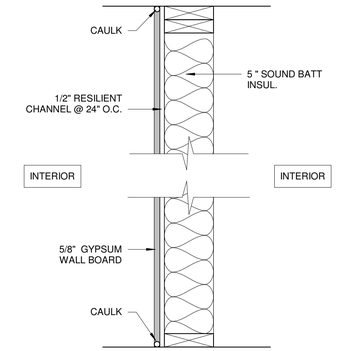
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW09	SHAFT WALL	2 HR.	---



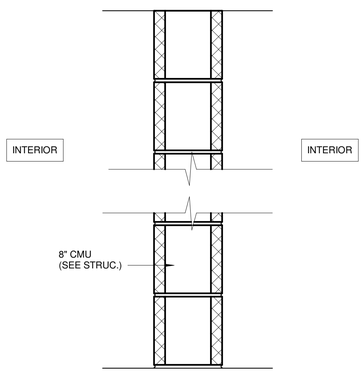
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW10	EXTERIOR WALL	---	---



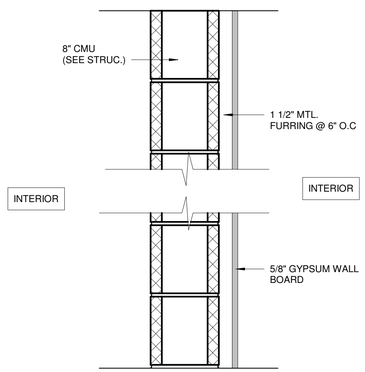
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW11	EXTERIOR WALL	---	---



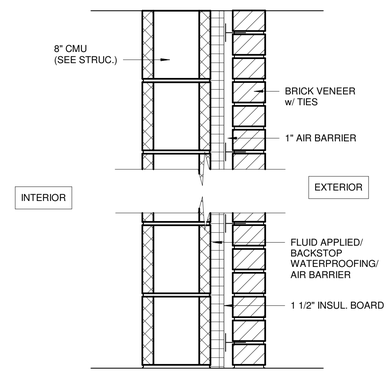
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW12	INTERIOR WALL	---	---



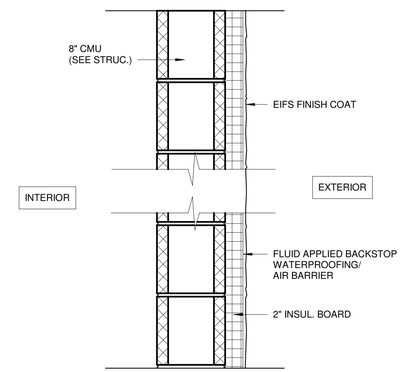
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
CM01	STAIR SHAFT	2 HR.	U905



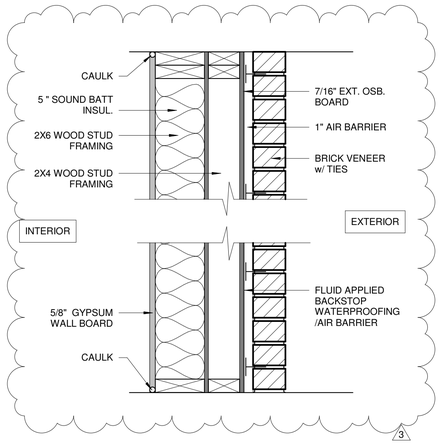
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
CM02	ELEV. SHAFT	2 HR.	U905



TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
CM03	EXTERIOR WALL	2 HR.	U905



TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
CM04	EXTERIOR WALL	2 HR.	U905



TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW13	EXTERIOR WALL	---	---

NOT USED

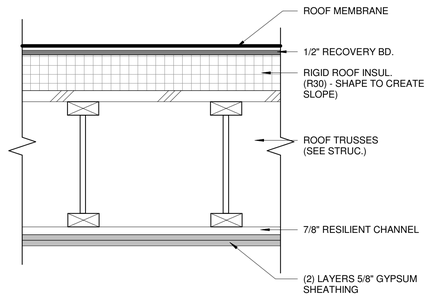
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
---	---	---	---

NOT USED

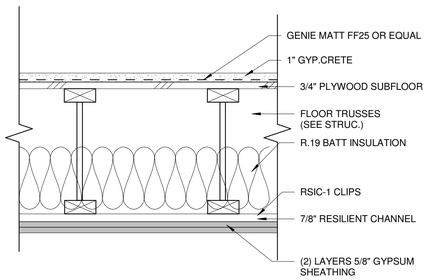
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
---	---	---	---

NOT USED

TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
---	---	---	---



TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
R.1	ROOF	1 HR	---



TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
F.1	FLOORING	1 HR	UL L518

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
3	09.16.26	CLARIFICATIONS

drawn by: KKJ
checked by: FTM
project no: 25-104

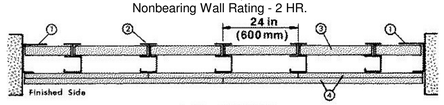
WALL TYPES

G301

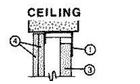
9/18/2026 10:34:54 AM

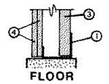
UL DETAILS

Design No. U438
December 21, 2004
Nonbearing Wall Rating - 2 HR.



HORZ. SECTION





1. **Floor and Ceiling Runners** - "J" -shaped runner, 2-1/2 in. wide with unequal legs of 1 in. and 2 in., fabricated from 24 MSG galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC.

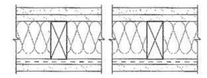
2. **Steel Studs -** "C-H" -shaped studs, 2-1/2 in. wide by 1-1/2 in. deep, fabricated from 25 MSG galv steel. Cut to lengths 3/8 to 1/2 in. less than floor to ceiling height and spaced 24 in. or 600 mm OC.
2A. **Steel Studs -** (Not shown)-"E" -shaped studs installed in place of "C-H" -shaped studs (Item 2) to secure the closure liner panels at the ends of walls. Fabricated from 25 MSG galv steel, 2-1/2 in. wide, with one leg 1 in. long and two legs 3/4 in. long. Shorter legs 1 in. apart to engage gypsum liner panels. Cut to lengths 3/8 in. less than floor to ceiling height. Sill and lintel of opening formed with "J" -shaped runners (Item 1) secured to "E" -shaped studs with angle clips and steel screws.
3. **Gypsum Board*** - 1 in. thick gypsum wallboard liner panels, supplied in nom 24 in. or 600 mm (for metric spacing) widths. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges inserted in "H" -shaped section of "C-H" studs. Free edge of end panels attached to long leg of "J" -runners with 1-5/8 in. long Type S steel screws spaced not greater than 12 in. OC.
CANADIAN GYPSUM COMPANY - Type SLX.
UNITED STATES GYPSUM CO - Type SLX.
USG MEXICO S A DE C V - Type SLX.
4. **Gypsum Board*** - 1/2 in. thick, 4 ft. or 1200 mm (for metric spacing) wide wallboard applied vertically in two layers. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC along the edges and in the field of the boards. Outer or face layer attached to studs and "J" -runners with 1-5/8 in. long Type S steel screws spaced 12 in. along the edges and in the field of the boards, staggered from screws in inner layer. Joints between inner and outer layers staggered. Outer layer joints covered with paper tape and joint compound. Exposed screw heads covered with joint compound.
As an alternate method, inner wallboard layer applied vertically, outer wallboard layer applied horizontally. Inner layer attached to studs with 1 in. Type S steel screws spaced 24 in. OC along vertical edges and in the field. Outer layer attached to the studs and "J" runners over the inner layer with 1-5/8 in. long Type S steel screws spaced 12 in. OC in the field, along the vertical edges and to the floor and ceiling runners. Outer layer secured to inner layer wallboard with 1-1/2 in. long Type G steel screws located midway between studs and 1 in. from the horizontal joint.
AMERICAN GYPSUM CO - Types AG-C .
BPB AMERICA INC - Type FRPC, ProRoc Type C.
BPB CANADA INC - ProRoc Type C.
CANADIAN GYPSUM COMPANY - Type C, IP-X2, or WRC.
G-P GYPSUM CORP, SUB OF
GEORGIA-PACIFIC CORP - Type 5.
LAFARGE NORTH AMERICA INC - Types LGFC-C, LGFC-C/A.
NATIONAL GYPSUM CO - Types FSK-C, FSW-C, FSMR-C.
PABCO GYPSUM, DIV OF
PACIFIC COAST BUILDING PRODUCTS INC - Types PG-C.
STANDARD GYPSUM L L C - Type SG-C.
TEMPLE-INLAND FOREST PRODUCTS CORP - Type TG-C.
UNITED STATES GYPSUM CO - Type C, IP-X2 or WRC.
USG MEXICO S A DE C V - Type C, IP-X2 or WRC.
4A. **Gypsum Board* -** (As an alternate to Item 4) - 5/8 in. thick, 4 ft wide. Attached as described in Item 4.
CANADIAN GYPSUM COMPANY - Type AR, IP-AR, IP-X1, SCX or WRX.
UNITED STATES GYPSUM CO - Type AR, FRX-G, IP-AR, IP-X1, SCX or WRX.
USG MEXICO S A DE C V - Type AR, IP-AR, IP-X1, SCX or WRX.
5. **Batts and Blankets* -** (Optional) - (Not shown) - Mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt material bearing the UL Classification Marking as to Fire Resistance.
5A. **Fiber, Sprayed* -** As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft3. Alternate application method: The fiber is applied with U.S. Greenfiber LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 6.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/ft3.
U S GREENFIBER L L C - Cocoon2 Stabilized or Cocoon-FRM (Fire Rated Material)
5B. **Fiber, Sprayed* -** As an alternate to Batts and Blankets (Item 5) and Item 5A - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
NU-WOOL CO INC - Cellulose Insulation

*Bearing the UL Classification Mark

GA FILE NO. WP 3245	GENERIC	1 HOUR FIRE	50 to 54 STC SOUND

GYPSUM WALLBOARD, RESILIENT CHANNELS, MINERAL OR GLASS FIBER INSULATION, WOOD STUDS

Resilient channels 24" o.c. attached at right angles to ONE SIDE of 2 x 4 wood studs 16" o.c. with 1-1/4" Type S drywall screws. One layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to channels with 1" Type S drywall screws 8" o.c. with vertical joints located midway between studs. 3" mineral or glass fiber insulation in stud space.
OPPOSITE SIDE: **Base** layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to studs with 6d cement coated nails, 1-7/8" long, 0.0915" shank, 15/64" heads, 7" o.c. **Face** layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to studs with 8d cement coated nails, 2-3/8" long, 8" o.c. Face layer joints offset 16" from base layer joints.
Vertical joints staggered 16" on opposite sides. **(LOAD-BEARING)**

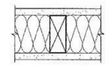


Thickness: 6"
Approx. Weight: 9 psf
Fire Test: Based on UL R14196, 05NK05371, 2-15-05, UL Design U305
Sound Test: NRCC TL-93-116, IRC-IR-761, 3-98

GA FILE NO. WP 3644	GENERIC	1 HOUR FIRE	

GYPSUM WALLBOARD, WOOD STUDS, MINERAL FIBER INSULATION

One layer 5/8" type X gypsum wallboard applied at right angles to each side of 2 x 4 wood studs 16" o.c. with 2-1/4" Type S or W drywall screws 12" o.c. 3-1/2" mineral fiber insulation, nominal 2.5 pcf, friction fit in stud space.
Vertical joints staggered 16" o.c., horizontal joints staggered 24" o.c., on opposite sides.
Tested at 2,578 lbs per stud or 100 percent of design load. **(LOAD-BEARING)**



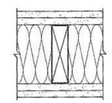
Thickness: 4-3/4"
Approx. Weight: 7.5 psf
Fire Test: ITS J20-06170.1, 4-00

WALLS AND INTERIOR PARTITIONS, WOOD FRAMED

GA FILE NO. WP 4230	GENERIC	2 HOUR FIRE	

GYPSUM WALLBOARD, WOOD STUDS, MINERAL FIBER INSULATION

Base layer 5/8" type X gypsum wallboard applied at right angles to each side of 2 x 6 wood studs 24" o.c. with 2-1/4" Type S or W drywall screws 24" o.c. **Face** layer 5/8" type X gypsum wallboard applied at right angles to each side with 2-1/4" Type S drywall screws 8" o.c. 5-1/2" mineral fiber insulation, nominal 3 pcf, friction fit in stud space.
Joints staggered 24" each layer and side.
Tested at 5,506 lbs per stud or 100 percent of design load. **(LOAD-BEARING)**



Thickness: 8"
Approx. Weight: 13 psf
Fire Test: ITS J20-06170.3, 12-00

FLOOR-CEILING SYSTEMS, WOOD FRAMED

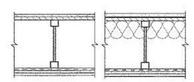
GA FILE NO. FC 5011	PROPRIETARY*	1 HOUR FIRE	60 to 64 STC SOUND

WOOD I-JOISTS, WOOD STRUCTURAL PANELS, GYPSUM FLOOR TOPPING, RESILIENT CHANNELS, GLASS FIBER BATT OR LOOSE FILL INSULATION, GYPSUM WALLBOARD

Base layer 1/2" proprietary type X gypsum wallboard or gypsum veneer base applied at right angles to resilient channels 24" o.c. (16" o.c. when insulation is used) with 1" Type S drywall screws 16" o.c. Gypsum board end joints located midway between continuous channels and attached with screws 8" to additional pieces of channel 60" long located 3" back on either side of end joint. Resilient channels applied at right angles to minimum 10" deep wood I joists spaced a maximum of 19" o.c. with 1-1/4" Type S drywall screws. **Face** layer 1/2" proprietary type X gypsum wallboard or gypsum veneer base applied at right angles to resilient channels 1-5/8" Type S drywall screws 8" o.c. and 1-1/2" Type G screws 8" o.c. at the butt joints located mid-span between the resilient channels. Glass fiber insulation secured to subfloor or loose fill insulation applied directly over gypsum board. Wood I joists supporting 19/32" wood structural panel subfloor applied at right angles to joists with construction adhesive and 6d ring shank nails 12" o.c. Minimum 1/2" proprietary gypsum floor topping applied over subfloor.
STC rated with I joists spaced 24" o.c., 3-1/2" glass fiber insulation in joist spaces, 3/4" proprietary gypsum floor topping poured over 1/4" proprietary sound reduction mat, and with finish flooring of sheet vinyl, engineered wood laminate, and ceramic tile. (STC 64 when sheet vinyl or engineered wood laminate is applied to floor; STC 66 when tested with ceramic tile applied to floor.)

PROPRIETARY GYPSUM COMPONENTS

United States Gypsum Company ..... 1/2" SHEETROCK® Brand FIRECODE® C Core Gypsum Panels
LEVELROCK® Brand Floor Underlayment



Approx. Ceiling Weight: 3 psf
Fire Test: UL R1319, 05NK04589, 2-4-05; UL R1319, 05NK09496, 3-31-05; UL Design L570
Sound Test: RAL OT03-05, 4-22-03; RAL OT03-07, 4-29-03; RAL OT03-09, 6-18-03
IIC & Test: (58 sheet vinyl), RAL OT03-06, 4-22-03; (62 engineered wood laminate) RAL OT03-08, 4-29-03; (54 ceramic tile) RAL OT03-10, 6-18-03

ROOF-CEILING SYSTEMS

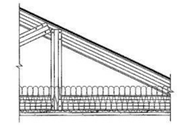
GA FILE NO. RC 2506	PROPRIETARY*	1 HOUR FIRE	

STEEL ROOF TRUSSES. RESILIENT OR RIGID FURRING CHANNELS, INSULATION, GYPSUM WALLBOARD

One layer 5/8" proprietary type X gypsum wallboard applied at right angles to resilient or rigid furring channels spaced 12" o.c. with 1" Type S drywall screws 8" o.c. Resilient channels applied at right angles to bottom chord of pitched or parallel chord steel trusses 48" o.c. with 1/2" Type S-12 screws. Glass fiber or mineral fiber batt or loose fill insulation applied directly over gypsum board. Prefabricated light gauge steel truss system spaced 48" o.c. may be enclosed with a 23/32" wood structural panels or 9/16" corrugated/fluted steel roof deck or structural cementfiber units and covered by a Class A, B or C roofing material.

PROPRIETARY GYPSUM BOARD

American Gypsum Company LLC..... 5/8" FireBloc® Type C Gypsum Board

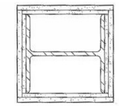


Approx. Ceiling Weight: 4.5 psf
Fire Test: UL R14196, 4786042166, 8-2-13, UL Design P557

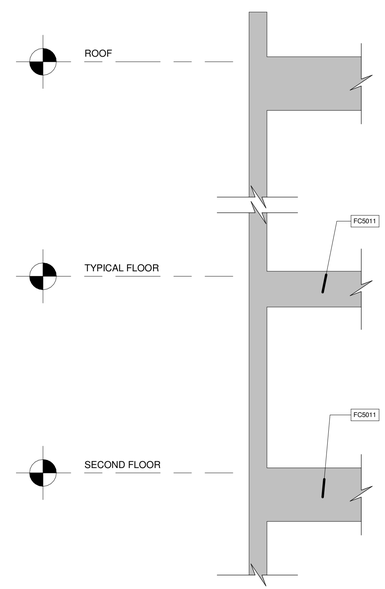
GA FILE NO. CM 2015	GENERIC	2 HOUR FIRE	

GYPSUM WALLBOARD, STEEL COLUMN COVER

Base layer 1/2" type X gypsum wallboard applied around W10x49 column and held in place with paper masking tape. **Second** layer 5/8" type X gypsum wallboard applied around column and held in place with paper masking tape. **Face** layer either 24 ga. galvanized steel column cover consisting of two L-shaped sections with snap-lock sheet steel joints or 22 ga. galvanized steel column covers consisting of two L-shaped sections with lap joints fastened with No. 8x1/2" sheet metal screws 12" o.c.
Horizontal joints staggered 24" between layers.

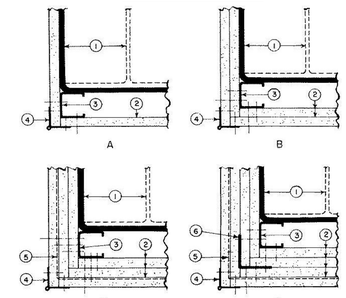


Fire Test: UL NC505-(1-6), 71NK2639, 12-23-75; UL NC505, 77NK1518; UL Design X526



UL SECTION REFERENCE

Design No. X528
May 29, 2001
Ratings - 1, 2 and 3 Hr.



CORNER DETAILS OF WALLBOARD SUPPORT SYSTEMS WITHOUT STEEL COVERS

1. **Steel Column** - Min sizes of W-shaped and tubular steel columns which appear in the AISC Steel Construction Manual as shown under Item 2.

2. **Gypsum Board*** - For 1 Hr rating, any 5/8 in. or 1/2 in. thick gypsum wallboard Classified for use in fire resistance assemblies. For 2 Hr and 3 Hr ratings, any 5/8 in. or 1/2 in. thick gypsum wallboard Classified for use in other 2 Hr, 3 Hr or 4 Hr Column Designs. Min total thickness of layers in inches for the various ratings and min column sizes are as follows:

W Shaped Column Min Column Size	Rating (Hr) 1	2	3	Corner Details For Various Rating 1Hr	2 Hr	3 Hr
Total thickness (In.)						
W4x13	1	1-1/2	2-1/4	B	C	D
W6x15.5	1	1-1/2	2-1/4	B	C	D
W10x49	1/2	1-1/8	1-7/8	A	B	C
Tube Shaped columns						
TS 4 by 4 by0.188	1	1-5/8	2-1/2	B	C	D
TS 8 by 8 by 0.250	5/8	1-5/8	2-1/2	A	C	D

Applied in layers as noted in the above illustrations. Boards are to be applied vertically without horizontal joints.
See Gypsum Board (CKNX) category for names of manufacturers.

2A. **Gypsum Board*** - As an alternate to Item 2- 3/4 in. thick gypsum wallboard. For 2 Hr rating, 1-1/2 in. total thickness, installed in accordance with corner detail B. For 3 Hr rating, 2-1/4 in. total thickness installed in accordance with corner detail C. Boards are to be applied vertically without horizontal joints.
CANADIAN GYPSUM COMPANY - Type IP-X3, ULTRACODE, ULTRACODE SHC or ULTRACODE WRC.
UNITED STATES GYPSUM CO - Type IP-X3, ULTRACODE, ULTRACODE SHC or ULTRACODE WRC.
USG MEXICO S A DE C V - Type IP-X3, ULTRACODE, ULTRACODE SHC or ULTRACODE WRC.

3. **Steel Stud** - 1-5/8 in. wide with 1-5/16 and 1-7/16 in. legs having a 1/4- in. folded flange, fabricated from No. 25 MSG galv steel. Length to be 1/2 in. less than the assembly height.
3A. As an alternate to Item 3 Steel Framing Members* - galv. steel clips spaced 4 ft OC and 1-1/4 in. from top and bottom of column. A No. 28 MSG galv steel support angle with 1-1/4 in. length shall be placed over clips and secured with screws attaching the wallboard. The angle cut 1 in. less than assembly height splices in angle to occur over clips. The clips for use with wide flange columns only.
JOHN WAGNER ASSOCIATE INC, DBA
GRABBER - Types CB, CB1Clips.

4. **Corner Beads** - No. 28 MSG galv steel, 1-1/4 in. legs to be attached to the wallboard with No. 6 by 1 in. screws spaced 12 in. OC max.

5. **Tie Wire** - No. 18 SWG steel wire spaced 24 in. OC used with second layer of wallboard.

6. **Screws** - For attaching first layer of wallboard to steel studs, and third layer of wallboard to 2 in. by 2 in. steel angle (25 Ga) to be No. 6 by 1 in. (or 1-1/4 in. for 3/4 in. thick wallboard) Phillips head self-drilling, self-tapping double lead screws spaced 24 in. OC For attaching second layer of wallboard to steel studs and fourth layer of wallboard to 2 in. by 2 in. steel angle (25 Ga) to be No. 6 by 1-3/4 in. (or 2-1/4 in. for 3/4 in. thick wallboard) steel screws of the same type spaced 12 in. OC For attaching third layer of wallboard to steel studs to be No. 8 by 2-1/4 in. screws of the same type spaced 12 in. OC

7. **Finishing System** - (Not Shown) - Joint compound applied over corner beads to a thickness of 1/16 in.

*Bearing the UL Classification Mark

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. 8" SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED. THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET
HAMPTON INN & SUITES by HILTON
OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: RRHA
checked by: FTM
project no: 25-104

UL DETAILS

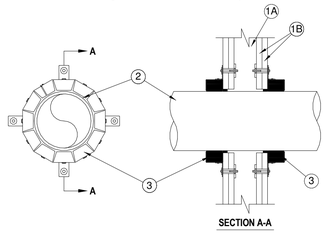
G400

9/18/2026 10:34:57 AM

System No. W-L-2078

Classified by Underwriters Laboratories, Inc. to UL 1479

F Ratings — 1 and 2 Hr (See Item 1)
T Ratings — 0, 1 and 2 Hr (See Items 2 and 3)
L Rating At Ambient — 3 CFM/sq ft
L Rating At 400 F — Less Than 1 CFM/sq ft



SECTION A-A

1. Wall Assembly — The fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL fire Resistance Directory and shall include the construction features noted below:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced max 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
   B. Gypsum Board* — Nom 5/8 in. thick gypsum board, as specified in the individual Wall and Partition Design. Max diam of opening is 11-1/2 in.
   The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. Through-Penetrants — One nonmetallic pipe, conduit or tubing to be installed within the firestop system. The annular space between pipe and periphery of opening shall be min 0 in. (point contact) to max 1/2 in. Pipe or conduit to be rigidly supported on both sides of the wall assembly. The following types and sizes of nonmetallic pipes may be used:
   A. Polyvinyl Chloride (PVC) Pipe — Nom 10 in. diam (or smaller) Schedule 40 solid-core or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 10 in. diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.
   C. Acrylonitrile Butadiene Styrene (ABS) Pipe — Nom 6 in. diam (or smaller) Schedule 40 solid-core or cellular core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems
   D. Flame Retardant Polypropylene (FRPP) Pipe — Nom 6 in. diam (or smaller) Schedule 40 FRPP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   E. Polyvinylidene Fluoride (PVDF) Pipe — Nom 4 in. diam (or smaller) PVDF pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   When max 6 in. diam pipe is used, T Rating is equal to the hourly fire rating of the wall. When nom 8 in. or 10 in. diam pipe is used, T Rating is 0 hr.
3. Firestop Device* — Firestop Collar — Firestop collar shall be installed in accordance with the accompanying installation instructions. Collar to be installed and latched around the pipe and secured to both sides of the wall using the anchor hooks provided with the collar. (Minimum two anchor hooks for 1-1/2 and 2 in. diam pipes, three anchor hooks for 3 and 4 in. diam pipes, four anchor hooks for 6 in. diam pipes, ten anchor hooks for 8 in. diam pipes and twelve anchor hooks for 10 in. diam pipes). The anchor hooks are to be secured to the surface of wall with 3/16 in. diam by 2-1/2 in. long steel toggle bolts along with washers. As an alternate for pipe sizes of nom 4 in. diam or less, min No. 10 by 1-1/2 in. long drywall or laminate screws with min 3/4 in. steel washers may be used. When the drywall or laminate screw is used, T Rating shall not exceed 1 hr.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 643 50/1.5"N, CP 643 63/2"N, CP 643 90/3"N, CP 643 110/4"N, CP 643 160/6"N, CP 644 200/8" andCP 644 250/10" Firestop Collars
4. Fill, Void or Cavity Material* — Sealant - (Not Shown) — Min 1/2 in. thickness of sealant applied within the annular space for nom 8 in. and 10 in. diam pipes, flush with each side of wall. Sealant in annular space is optional for max 6 in. diam pipes. A min 1/4 in. thickness of sealant is required within the annular space, flush with each side of wall, to attain the L Ratings for max 6 in. diam pipes.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant

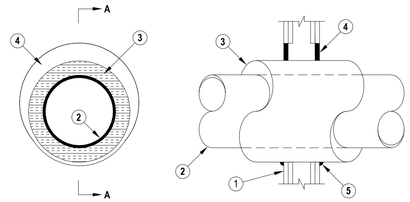
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
November 29, 2005

System No. W-L-5029

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1, 2 and 3 Hr (See Items 1, 3 and 4)	F Ratings — 1, 2 and 3 Hr (See Items 1, 3 and 4)
T Ratings — 0, 1/2, 1 and 1-1/4 Hr (See Item 3)	FT Ratings — 0, 1/2, 1 and 1-1/4 Hr (See Item 3)
L Rating At Ambient — 4 CFM/Sq Ft	FH Ratings — 1, 2 and 3 Hr (See Items 1, 2 and 4)
L Rating At 400 F — Less Than 1 CFM/Sq Ft	FTH Ratings — 0, 1/2, 1 and 1-1/4 Hr (See Item 3)
	L Rating At Ambient — 4 CFM/Sq Ft
	L Rating At 400 F — Less Than 1 CFM/Sq Ft



SECTION A-A

1. Wall Assembly — The 1, 2 or 3 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide for 1 and 2 hr F and FH rating and 3-1/2 in. (89 mm) wide for 3 hr F and FH rating and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — Min 5/8 in. (16 mm) thick with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 18-5/8 in. (473 mm).
   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Through Penetrants — One metallic pipe or tubing to be installed within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:
   A. Steel Pipe — Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 12 in. (305 mm) diam (or smaller) cast or ductile iron pipe.
   C. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing. When the hourly F or FH Rating of the firestop system is 3 hr, the nom diam of copper tube shall not exceed 4 in. (102 mm).
   D. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe. When the hourly F or FH Rating of the firestop system is 3 hr, the nom diam of copper pipe shall not exceed 4 in. (102 mm).
3. Pipe Covering* — Nom 1, 1-1/2 or 2 in. (25, 38 or 51 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m3) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. For 1 and 2 hr F and FH Ratings, the annular space between insulated penetrant and periphery of opening shall be min 0 in. (point contact) to max 1-7/8 in. (48 mm). For 3 hr F and FH Ratings, the annular space shall be min 0 in. (point contact) to max 1-1/4 in. (32 mm).
   See Pipe and Equipment Covering — Materials (BRGU) category in the Building Material Directory for the names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
   The hourly T, FT, FTH Ratings of the firestop system are 1/2 hr for 1 hr rated walls and 1 hr for 2 hr rated walls. For 3 hr rated walls, the hourly T, FT and FTH Ratings when steel and iron pipes are used are 1 hr. For 3 hr rated walls, the hourly T, FT and FTH Ratings when copper penetrants are used are 1-1/4 hr for 2 in. (51 mm) thick pipe covering and 0 hr for pipe covering thickness less than 2 in. (51 mm).
3A. Pipe Covering* — (Not Shown) — As an alternate to Item 3, max 2 in. (51 mm) thick cylindrical calcium silicate (min 14 pcf) units sized to the outside diam of the pipe or tube may be used. Pipe insulation secured with stainless steel bands or min 18 AWG stainless steel wire spaced max 12 in. (305 mm) OC. When the alternate pipe covering is used, the T and FT Rating shall be as specified in item 3 above.
   See Pipe and Equipment Covering — Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
4. Fill, Void or Cavity Material* — Sealant — For 1 and 2 hr F and FH Rating, min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. For 3 hr F and FH Rating, min 1 in. (25 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point contact location between pipe covering and gypsum board, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe covering/gypsum board interface on both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant

*Bearing the UL Classification Mark

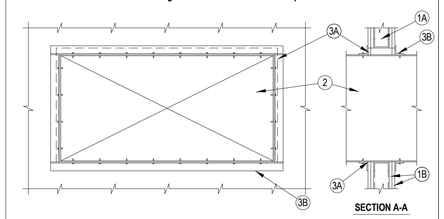
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
May 30, 2012

System No. W-L-7040

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

F Ratings — 1 and 2 Hrs (See Items 1 and 3)
T Rating — 0 Hr
L Rating at Ambient — Less Than 1 CFM/sq ft
L Rating at 400 F — Less Than 1 CFM/sq ft



SECTION A-A

1. Wall Assembly — The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. Additional framing members shall be used to completely frame around opening.
   B. Gypsum Board* — Nom 5/8 in. thick with square or tapered edges. The gypsum wallboard type, number of layers and sheet orientation shall be as specified in the individual Wall and Partition Design Number. Max area of opening is 1300 in. with the dimension of 50 in. The hourly F rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. Steel Duct — Nom 24 in. by 48 in. (or smaller) No. 24 gauge (or heavier) galv steel duct to be installed within the firestop system. The annular space shall be min 0 (point contact) in. to a max 2 in. Duct to be rigidly supported on both sides of the wall assembly.
3. Firestop System — The firestop system shall consist of the following:
   A. Fill, Void or Cavity Material*—Sealant — Min 5/8 in. thickness of fill material applied within annulus flush with both surfaces of wall. At point contact location, a min 1/2 in. diam bead of fill material shall be applied to the wall/duct interface on both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant, CP601S Elastomeric Firestop Sealant or CP606 Flexible Sealant.
   B. Steel Retaining Angle — No. 18 MSG (0.048 in.) galv steel angles cut to fit contour of duct with a 2 in. overlap on the duct and a min 1 in. overlap on the gypsum board assembly on both sulfaces of wall. 2 in. leg of angle secured to duct with min No. 8 by 3/4 in. long sheet metal screws, spaced a max of 6 in. OC. When bead of fill material is used at joint contact locations, angles shall be installed prior to full material curing.

*Bearing the UL Classification Mark

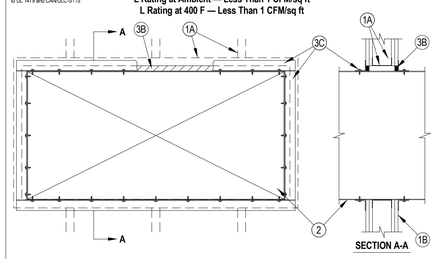
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
August 27, 2010

System No. W-L-7155

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

F Ratings — 1 and 2 Hr (See Item 1)
T Rating — 0 Hr
L Rating at Ambient — Less Than 1 CFM/sq ft
L Rating at 400 F — Less Than 1 CFM/sq ft



SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing shall consist of min 3-1/2 in. (89 mm) wide steel channel studs spaced max 24 in. (610 mm) OC. Additional steel studs shall be used to completely frame the opening.
   B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (1.22 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U400 or V400 Series Design in the UL Fire Resistance Directory. Max area of opening is 73.7 sq ft (6.85 m²) with a max dimension of 104 in. (2.64 m).
   The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. Steel Duct — Max 100 in. by 100 in. (2.5 by 2.5 m) galv steel duct to be installed either concentrically or eccentrically within the firestop system. The duct shall be constructed and reinforced in accordance with SMACNA construction standards. The space between the steel duct and periphery of opening shall be min 0 in. (point contact) to max 2 in. (51 mm). Steel duct to be rigidly supported on both sides of the wall assembly.
3 Firestop System — The firestop system shall consist of the following:
   A. Packing Material — (Optional, Not Shown) — Polyethylene backer rod, mineral wool batt insulation or fiberglass batt insulation friction fitted into annular space. Packing material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.
   A1. Packing Material — Required as specified in Table below. Min 3-3/4 in. (95 mm) or 5 in. (127 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form for 1 and 2 hr rated assemblies, respectively. Packing material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of fill material shall be applied at the point contact location between the steel duct and the gypsum board.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or CP606 Flexible Firestop Sealant
   C. Steel Retaining Angles — Min No. 16 gauge galv steel angles sized to lap steel duct a min of 2 in. (51 mm) and to lap wall surfaces a min of 1 in. (25 mm). When max duct dimension does not exceed 48 in. (122 cm) and duct area does not exceed 1300 in² (8387 cm²), angles may be min No. 18 gauge galv steel. Angles attached to steel duct on both sides of wall with min No. 10 by 1/2 in. (13 mm) long steel sheet metal screws located a max of 1 in. (25 mm) from each end of steel duct and spaced a max of 6 in. (152 mm) OC. Steel angles are optional for those sides of duct that do not exceed the dimension specified in Table below, dependent on packing material and annular space as specified.

Max Duct Dimension	Duct Thickness	Annular Space	Packing Material	Angle (Item 3C) Required
24 in. (610 mm)	24 ga or heavier	1/2 in. min to 1 in. max	Item 3A1	No
		(13 to 25 mm)		

*Bearing the UL Classification Mark

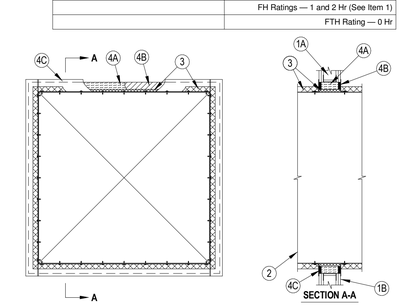
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
August 27, 2010

System No. W-L-7156

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Rating — 0 Hr	FT Rating — 0 Hr
	FH Ratings — 1 and 2 Hr (See Item 1)
	FTH Rating — 0 Hr



SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC. Additional framing members shall be used to completely frame around opening.
   B. Gypsum Board* — Min 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers and orientation shall be as specified in the individual U300, U400 or V400 Wall and Partition Design. Max size of opening is 210 sq in. (1355 cm²) with a max width of 14-1/2 in. (368 mm) for wood studs. Max size of opening is 76.2 sq ft. (7 m²) with a max width of 105-1/2 in. (2.7 m) for steel studs.
   The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall in which it is installed.
2. Steel Duct — Max 100 by 100 in. (2.5 by 2.5 m) steel duct to be installed within the framed opening. The duct shall be constructed and reinforced in accordance with SMACNA construction standards. Steel duct to be rigidly supported on both sides of wall assembly.
3. Batts and Blankets* — Nom 1-1/2 or 2 in. (38 or 51 mm) thick glass fiber batt or blanket (min 3/4 pcf or 12 kg/m³) jacketed on the outside with a foil-scrim-kraft facing. Longitudinal and transverse joints sealed with aluminum foil tape. During the installation of the fill material, the batt or blanket shall be compressed minimum 50% such that the annular space within the firestop system shall be min 1/2 in. (13 mm) to max 2 in. (51 mm).
   See Batts and Blankets (BKNV) category in the Building Materials Directory for names of manufacturers. Any batt or blanket meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index 50 or less may be used.
4. Firestop System — The firestop system shall consist of the following:
   A. Packing Material — Min 3-5/8 (92 mm) or 4-7/8 in. (124 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form for 1 or 2 hr fire-rated walls, respectively. Packing material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant
   C. Steel Retaining Angles — Min No. 16 gauge (0.059 in. or 1.5 mm) galv steel angles sized to lap steel duct a min of 2 in. 51 mm) and lap wall surfaces a min of 1 in. (25 mm). Angles attached to steel duct on both sides of wall with min No. 10 steel sheet metal screws spaced a max of 1 in. (25 mm) from each end of steel duct and spaced a max of 6 in. (152 mm) OC. When max duct dimension does not exceed 48 in. (122 cm) and duct area does not exceed 1300 in² (8387 cm²), angles may be min No. 18 gauge galv steel. Angles attached to steel duct on both sides of wall with min No. 10 by 1/2 in. (13 mm) long steel sheet metal screws located a max of 1 in. (25 mm) from each end of steel duct and spaced a max of 6 in. (152 mm) OC. When max 1-1/2 in. (38 mm) thick insulation is used, steel angles are optional for those sides of duct that do not exceed the dimension specified in Table below, dependent on packing material and annular space as specified.

Max Duct Dimension	Duct Thickness	Annular Space	Packing Material	Angle (Item 3C) Required
24 in. (610 mm)	24 ga or heavier	1/2 in. min to 1 in. max	Item 3A1	No
		(13 to 25 mm)		

*Bearing the UL Classification Mark

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
December 02, 2011

Notes:

1. *Refer to section 15084 of the specifications. For Quality Control requirements, refer to the Quality Control portion of the specification.*
2. *Details shown are typical details. If field conditions do not match requirements of typical details, approved alternate details shall be utilized. Field conditions and dimensions need to be verified for compliance with the details, including but not limited to the following:*
   - *Minimum and maximum Width of Joints*
   - *Type and thickness of fire-rated construction. The minimum assembly rating of the firestop assembly shall meet or exceed the highest rating of the adjacent construction.*
3. *If alternate details matching the field conditions are not available, manufacturer's engineering judgment drawings are acceptable. Drawings shall follow the International Firestop Council (IFC) Guidelines for Evaluating Firestop Systems Engineering Judgments.*
4. *References:*
   - *2012 Underwriter's Laboratories Fire Resistance Directory, Volume 2*
   - *NFPA 101 Life Safety Code*
   - *All governing local and regional building codes*
5. *Firestop System installation must meet requirements of ASTM E-814 (UL 1479) tested assemblies that provide a fire rating equal to that of construction being penetrated.*
6. *All rated through-penetrations shall be prominently labeled with the following information:*
   - *ATTENTION: Fire Rated Assembly*
   - *UL System #*
   - *Product(s) used*
   - *Hourly Rating (F-Rating)*
   - *Installation Date*

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC ARCHITECTURAL COMPANY 52411 NORTH CAROLINA RALEIGH, N.C.

FRANK T. MURPHY REGISTERED ARCHITECT 5249 NORTH CAROLINA RALEIGH, N.C. 09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: RRHA
checked by: FTM
project no: 25-104

UL DETAILS

G401

9/18/2026 10:34:58 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

CEILING/ROOF ASSEMBLY

DESIGN NO. GA-RC2601

APPROXIMATE CEILING WEIGHT: 5 psf
FIRE TEST: FM FC 172, 2-25-72

GYPSUM ASSOCIATION

Construction Type: Wood Joists, Gypsum Wallboard – Base layer 5/8 in. type X gypsum wallboard applied at right angles to wood joists 24 in. O.C. with 1-1/4 in. type S drywall screws 24 in. O.C. Face layer 5/8 in. type X gypsum wallboard or veneer base applied at right angles to joists through base layer with 1-7/8 in. type S drywall screws 12 in. O.C. at joints and intermediate joists. Face layer joints offset 24 in. from base layer joints, 1-1/2 in. type G drywall screws placed 2 in. back on either side of face layer end joints, 12 in. O.C. 1/2 in. plywood with exterior glue applied at right angles to top of joists with 8d nails. Ceiling provides one hour fire resistance protection for wood framing.

ICBO EVALUATION SERVICE, INC.

Evaluation Report — Report No. 1632, December, 1998

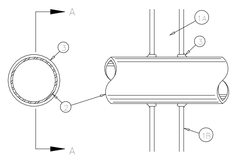
Gypsum Wall and Ceiling Assemblies
Gypsum Association
1850 North Highland Avenue, Suite 210
Hollywood, California 90028

D. One-hour Wallboard Floor-Ceiling or Roof-Ceiling Assembly and Wood Framing – The ceiling construction is identical to assembly FC5406 in the Gypsum Association Fire Resistance Design Manual. Alternate framing may consist of lower chords of trussed rafters, or pitched or flat trusses spaced a maximum of 24 in. on center. Alternate fasteners having the same spacing as the screws may be 1-7/8 in. 6-penney cooler, box or wallboard nails for the base ply and 2-3/8 in. 8-penney cooler, box or wallboard nails for the face ply. Type G drywall screws, 1-1/2 in. long are still required at the end joints of the gypsum wallboard face layer.

*Bearing the UL Classification Marking

PIPE PEN. at WALL

System No. WL1001
(Formerly System No. 147)
F Ratings-1, 2, 3 and 4 Hr (See Items 2 and 3)
T Ratings-0, 1, 2, 3, and 4 Hr. (See Item 3)



SECTION A-A

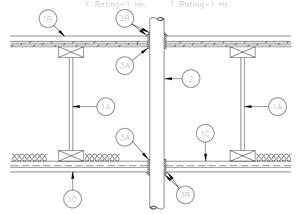
1. Wall Assembly-The 1, 2, 3 or 4 hr. fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs-Wall framing may consist of either wood studs (max. 2 hr. fire rated assemblies) or steel channel studs. Wood studs to consist of nom. 2 by 4 lumber spaced 16 in. O.C. with nom. 2 by 4 in. lumber end plates and cross braces. Steel studs to be min. 3-5/8 in. wide by 1-3/8 in. deep channels spaced max. 24 in. O.C.
   B. Wallboard, Gypsum*-Nom 1/2 or 5/8 in. thick, 4 ft. wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 13-1/2 in.
2. Pipe or Conduit-Nom 12 in. diam (or smaller) Schedule 10 (or heavier) steel pipe, nom 6 in. diam (or smaller) steel conduit, nom 4 in. diam (or smaller) steel electrical metallic tubing or Type L or (or heavier) copper tubing or nom 1 in. diam (or smaller) flexible steel conduit. When copper pipe or flexible steel conduit is used, max F Rating of firestop system (Item 3) is 2 h. Steel pipes or conduits larger than nom 4 in. diam may only be used in walls constructed using steel channel studs. A max of one pipe or conduit is permitted in the firestop system. Pipe or conduit to be installed near center of stud cavity width and to be rigidly supported on both sides of wall assembly.
3. Fill, Void or Cavity Material*-Caulk-Caulk fill material installed to completely fill annular space between pipe or conduit and gypsum wallboard and with a min 1/4 in. diam bead of caulk applied to perimeter of pipe or conduit at its egress from the wall. Caulk installed symmetrically on both sides of wall assembly. The hourly F Rating of the firestop system is dependent upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table. The hourly T Rating of the firestop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

Max Pipe or Conduit Diam, in	Annular Space in Hr.	F Rating Hr.	T Rating Hr.
1	0 to 3/16	1 or 2	0+, 1 or 2
1	1/4 to 1/2	3 or 4	3 or 4
4	0 to 1/4	1 or 2	0
6	1/4 to 1/2	3 or 4	0
12	3/16 to 3/8	1 or 2	0

+When copper pipe is used, T Rating is 0 h.
Minnesota Mining & Mfg. Co.-Types CP-25 S/L, CP-25 N/S, CP-25 WB, CP-25 WB+
*Bearing the UL Classification Marking

PIPE PEN. at CEILING/FLOOR

System No. FC2008
(Formerly System No. 451)
F Rating-1 Hr. T Rating-1 Hr.

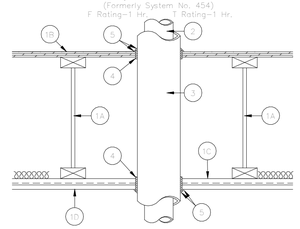


1. Floor Assembly-The fire rated wood truss or combination wood and steel truss Floor-Ceiling assembly shall be constructed of the materials and in the manner described in the individual L500 Series Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Trusses-Min 12 in. deep parallel chord trusses fabricated from 2 by 4 in. lumber in conjunction with galv steel truss plates or Structural Wood Members* with bridging as required.
   B. Flooring-Nom 3/4 in. thick plywood flooring with or without Floor Topping Mixture*. Diam of hole-sawed opening in flooring to be 1/2 in. to 3/4 in. larger than diam of pipe. Max diam of opening in flooring is 3 in.
   C. Furring Channels-Rigid or resilient galv steel furring channels installed perpendicular to bottom chord of trusses.
   D. Wallboard, Gypsum*-Nom 4 ft. wide by 5/8 in. thick, screw-attached to furring channels. Diam of hole-sawed opening in gypsum wallboard ceiling to be 1/2 in. to 3/4 in. larger than diam of pipe. Max diam of opening in ceiling is 3 in.
2. Nonmetallic Pipe-Nom 2 in. diam (or smaller) Schedule 40 polyvinyl chloride (PVC), SDR 17 chorinated polyvinyl chloride (CPVC) or solid-core Schedule 40 acrylonitrile-butadiene-styrene (ABS) pipe for use in closet (process or supply) or vented (drain, waste or vent) piping systems. One pipe to be installed approx midway between trusses and centered in circular openings in flooring and in ceiling. A nom 1/4 in. to 3/8 in. annular space is required in the fire-stop system. Pipe to be rigidly supported on both sides of Floor-Ceiling assembly.
3. Firestop System -The hourly T Rating for the firestop system shall be as follows:
   A. Fill, Void or Cavity Materials*-Wrap Strip-Nom 1/4 in. thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. wide strips. Nom 2 in. wide strip tightly-wrapped around nonmetallic pipe (foil side exposed), secured with two steel tie wires and slid into hole-sawed opening in flooring (Item 1B) and in gypsum wallboard ceiling (Item 1D). Bottom edge of wrap strip to project 9/16 to 11/16 in. below bottom surface of flooring and below bottom (ceiling) surface of gypsum wallboard.
      Minnesota Mining & Mfg. Co.-Type FS-195
   B. Fill, Void or Cavity Materials*-Caulk or Putty-Nom 1/4 in. thickness of caulk or putty to be applied to the exposed edges of the wrap strip layer (top of flooring and bottom of gypsum wallboard ceiling). Generous application of caulk or putty to be applied to fill all gaps at the wrap strip/flooring and wrap strip/gypsum wallboard ceiling interfaces.
      Minnesota Mining & Mfg. Co.-Type CP-25 WB, CP-25 WB+ Caulk, Type MP Putty

*Bearing the UL Classification Marking

PIPE PEN. at CEILING/FLOOR

System No. FC5002
(Formerly System No. 454)
F Rating-1 Hr. T Rating-1 Hr.



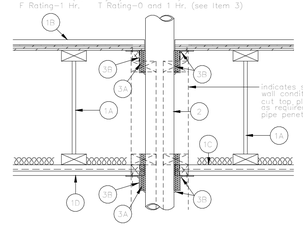
1. Floor Assembly-The fire rated wood truss or combination wood and steel truss Floor-Ceiling assembly shall be constructed of the materials and in the manner described in the individual L500 Series Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Trusses-Min 12 in. deep parallel chord trusses fabricated from 2 by 4 in. lumber in conjunction with galv steel truss plates or Structural Wood Members* with bridging as required.
   B. Flooring-Nom 3/4 in. thick plywood flooring with or without Floor Topping Mixture*. Max diam of hole-sawed opening in flooring is 7 in.
   C. Furring Channels-Rigid or resilient galv steel furring channels installed perpendicular to bottom chord of trusses.
   D. Wallboard, Gypsum*-Nom 4 ft. wide by 5/8 in. thick, screw-attached to furring channels. Diam of hole-sawed opening in gypsum wallboard ceiling is 7 in.
2. Pipe-Nom 4 in. diam (or smaller) Schedule 10 (or heavier) steel pipe or nom 3 in. diam (or smaller) Type L (or heavier) copper pipe. Pipe to be installed approximately midway between trusses and centered in circular cutouts in flooring (Item 1B) and gypsum wallboard ceiling (Item 1D). Diam of circular cutouts in flooring and gypsum wallboard ceiling to be 1/2 to 3/4 in. larger than outside diam of pipe covering (Item 3) or tube insulation (Item 3A) on pipe. Pipe to be rigidly supported on both sides of Floor-Ceiling assembly.
3. Pipe Covering*-Nom 1 in. thick hollow cylindrical heavy density (min 3.5 pcf) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt strip tape supplied with the product.
      See Pipe and Equipment Covering-Materials (RMQU) category in Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoked Developed Index of 50 or less may be used.
3A. Tube Insulation-Plastics+-As an alternate to the glass fiber pipe covering (Item 3), nom 1/2 or 5/8 in. thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing with skin may be used.
      See Plastics (QMFZ2) category in the Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.
4. Fill, Void or Cavity Materials*-Wrap Strip-Nom 1/4 in. thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. wide strips. Nom 2 in. wide strip tightly wrapped around pipe covering or tube insulation (foil side exposed), secured with two steel tie wires and slid into hole-sawed opening in flooring (Item 1B) and in gypsum wallboard ceiling (Item 1D). Bottom edge of wrap strip to project 9/16 to 11/16 in. below bottom surface of flooring and below (ceiling) surface of gypsum wallboard.
      Minnesota Mining & Mfg. Co.-Type FS-195
5. Fill, Void or Cavity Materials*-Caulk-Nom 1/4 in. thickness of caulk to be applied to the exposed edge of the wrap strip layer (top of flooring and bottom of gypsum wallboard ceiling). Generous application of caulk to be applied to fill all gaps at the wrap strip/flooring and wrap strip/gypsum wallboard ceiling interfaces.
      Minnesota Mining & Mfg. Co.-Types CP-25 WB, CP-25 WB+

*Bearing the UL Classification Marking

PIPE PEN. at CEILING/FLOOR

(STUD WALLS SIMILAR)

System No. FC2009
(Formerly System No. 451)
F Rating-1 Hr. T Rating-0 and 1 Hr. (see Item 3)



1. Floor Assembly-The fire rated wood truss or combination wood and steel truss Floor-Ceiling assembly shall be constructed of the materials and in the manner described in the individual L500 Series Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Trusses-Min 12 in. deep parallel chord trusses fabricated from nom 2 by 4 in. lumber in conjunction with galv steel truss plates or Structural Wood Members* with bridging as required.
   B. Flooring-Nom 3/4 in. thick plywood flooring with or without Floor Topping Mixture*. Diam of hole-sawed opening in flooring to be max 1/2 in. larger than diam of pipe. Max diam of opening in flooring is 5 in.
   C. Furring Channels-Rigid or resilient galv steel furring channels installed perpendicular to bottom chord of trusses.
   D. Wallboard, Gypsum*-Nom 4 ft. wide by 5/8 in. thick, screw-attached to furring channels. Diam of hole-sawed opening in gypsum wallboard ceiling to be max 1/2 in. larger than diam of pipe. Max diam of opening in ceiling is 5 in. Secondary firestop system (Item 3) must be installed at underside of flooring prior to installation of the gypsum wallboard ceiling.
2. Nonmetallic Pipe-Nom 4 in. diam (or smaller) Schedule 40 polyvinyl chloride (PVC), SDR 17 chorinated polyvinyl chloride (CPVC) or solid-core Schedule 40 acrylonitrile-butadiene-styrene (ABS) pipe for use in closet (process or supply) or vented (drain, waste or vent) piping systems. One pipe to be installed approx midway between trusses and centered in circular openings in flooring and ceiling. Pipe to be rigidly supported on both sides of Floor-Ceiling assembly.
3. Firestop System -The hourly T Rating for the firestop system is dependent upon the type and size of nonmetallic pipe, as tabulated below:

Pipe Type	Nom Pipe Diam, in	Annular Space, in	T Rating Hr
ABS, PVC or CPVC	1/2 to 2	0 to 1/8	1
ABS, PVC, or CPVC	2 1/2 to 4	0 to 1/4	0
	2 1/2 to 4	0 to 1/4	1

The details of the firestop system shall be as follows:
   A. Fill, Void or Cavity Materials*-Wrap Strip-Nom 1/4 in. thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. wide strips. Nom 2 in. wide strip tightly-wrapped around nonmetallic pipe (foil side exposed) with the edges butted against the underside of the plywood flooring and against the bottom surface of the gypsum wallboard ceiling around the entire perimeter of the hole-sawed opening. Sufficient layers of wrap strip shall be installed to lap a min. of 3/16 in. on the plywood flooring and on the gypsum wallboard ceiling around the entire perimeter of the hole-sawed opening. For nom 1/2 in. to nom 2 in. diam pipes, a min of one layer of wrap strip is required. For nom 2-1/2 in. and nom 3 in. diam pipes, a min. of two layers of wrap strip is required. For nom 3-1/2 in. and nom 4 in. diam pipes, a min of three layers of wrap strip is required. Each layer of wrap strip to be installed with butted seam, with butted seams in successive layers staggered. Wrap strip layer(s) temporarily held in position using aluminum foil tape, steel wire tie, or equivalent.
      Minnesota Mining & Mfg. Co.-Type FS-195
   B. Steel Collar-Nom 2 in. deep collar with 1-1/4 in. wide by 2 in. long anchor tabs and min 3/4 in. long tabs to retain wrap strips layers. Coils of precut 0.016 in. thick (30 gauge) galv sheet steel are available from wrap strip manufacturer. As an alternate, collar may be field fabricated from min. 0.016 in. thick (30 gauge) sheet steel in accordance with instruction sheet applied by wrap strip manufacturer. Steel collar, with anchor tabs bend outward 90 deg, wrapped tightly around wrap strip layers with min 1 in. overlap at the seam. With steel anchor tabs pressed tightly against underside of plywood flooring or underside of gypsum wallboard ceiling, compress collar around wrap strip layers using a min 1/2 in. wide by 0.028 in. thick stainless steel band clamp with worm drive tightening mechanism at the collar midheight. Secure collar to plywood flooring using min. 3/4 in. long steel screws on conjunction with 1-1/4 in. diam. steel fender washers. Secure collar to gypsum wallboard ceiling using 3/16 in. diam steel toggle bolts (5/8 in. grip) in conjunction with 1-1/4 in. diam steel fender washers. min of three fasteners, symmetrically located, required for nom 1/2 in. to nom 3 in. diam pipes. Min of four symmetrically located fasteners required for nom 3-1/2 in. and 4 in. diam pipes. As a final step, bend wrap strip retainer tabs 90 deg toward pipe to lock wrap strip layers in position.
   C. Fill, Void or Cavity Materials*-Caulk or Putty-Generous application of caulk or putty to be applied around the perimeter of the steel collar at its interface with the plywood flooring and gypsum wallboard ceiling. A generous application of caulk or putty shall be applied around the perimeter of the pipe at its interface with the wrap strip layers.
      Minnesota Mining & Mfg. Co.-Type CP-25 W/B, CP-25 WB+ Caulk, Type MP Putty
   D. Firestop Device*-(Not Shown)-As an alternate to items A, B and C for nom 1-1/2, 2, 3 or 4 in. diam nonmetallic pipes, a firestop device consisting of a sheet-steel split collar lined with intumescent material and provided with steel clips for attachment may be used. Firestop device to be installed on underside of plywood flooring or underside of gypsum wallboard ceiling around in accordance with the accompanying installation instructions.
      Minnesota Mining & Mfg. Co.-Type PPD 150, PPD 200, PPD 300, PPD 400.

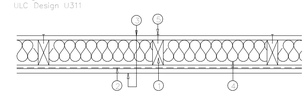
*Bearing the UL Classification Marking

WALL ASSEMBLY

DESIGN NO U311

Design No. U311
Rearing Wall Rating-1 Hr.
Finish Rating-23 Min.
Fire Test-UL R1319-93,94,129
Design U311,8-10-66
ULC Design U311

Sound Rating STC-50 to 54
GA File No.-WP 3230 (+)
Thickness-5 3/8"
Approx. Weight-7psf
Sound Test-BBN 760903,9-17-66

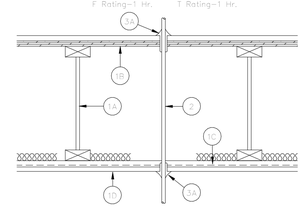


1. Wood Studs-Nom. 2 by 4 in., spaced 16" O.C., at First Floor. Effectively crossbraced.
2. Furring Channel-Resilient, 25 MSG galv. steel. Furring channels spaced vertically 24 in. O.C. flange portion screw attached one one side of studs with 1-1/4 in. long diamond-shaped point, double lead Phillips head steel screws.
3. Wallboard, Gypsum*-5/8 in. thick, 4 ft. wide. Screw attached one side to furring channels with 1 in. long, self-drilling, self-tapping steel screws spaced 12 in. O.C., vertical joints located midway between studs and back-blocked with furring channels, attached with 1 in. long self-drilling, self-tapping screws, spaced 12 in. O.C., along each edge. Wallboard attached other side to studs with 1-1/4 in. long diamond-shaped point, double lead Phillips head steel screws spaced 12 in. O.C., vertical joints located over studs.
      Canadian Gypsum Co., Ltd.-Type C
      Celotex Corp.-Type FRP
      Domtar Gypsum-Type S
      Georgia-Pacific Corp., Gypsum Div.-Type GPFS-C
      Pabco Gypsum Co.-Type C or PG-C
      United States Gypsum Co.-Type C or IP-X2
4. Mineral Wool Batts*-3 in. thick sheets, supplied in 15 in. widths, placed to fill interior of wall, attached to the 4 in. face of the studs with staples placed 24 in. O.C.
      USG Interiors Inc.
      United States Gypsum Co.
5. Joints and Screwheads-Wallboard joints covered with paper tape and joint compound. Screwheads covered with joint compound. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

*Bearing the UL Classification Marking
*GA FILE NO.- WP3230 (+) allows fiberglass insulation.

CABLE PEN. at CLG./FLOOR

System No. FC3007
(Formerly System No. 452-A)
F Rating-1 Hr. T Rating-1 Hr.



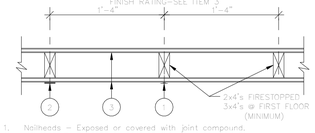
1. Floor Assembly-The fire rated wood truss or combination wood and steel truss Floor-Ceiling assembly shall be constructed of the materials and in the manner described in the individual L500 Series Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Trusses-Min 12 in. deep parallel chord trusses fabricated from nom. 2 by 4 in. lumber in conjunction with galv steel truss plates or Structural Wood Members* with bridging as required.
   B. Flooring-Nom 3/4 in. thick plywood flooring with or without Float Topping Mixture*. Diam of opening hole-sawed in flooring to be 1 in.
   C. Furring Channels-Rigid or resilient galv steel furring channels installed perpendicular to bottom chord of trusses.
   D. Wallboard, Gypsum*-Nom 4 ft. wide by 5/8 in. thick, screw attached to furring channels. Diam of hole-sawed opening in gypsum wallboard ceiling to be 1 in.
2. Cables-Max seven conductor No. 12 AWG (or smaller) power/control cables or max. 100 pair No. 22 AWG (or smaller) telecommunication cables with polyvinyl chloride insulation and jacket materials. Individual cables to be centered in nom. 1 in. diam. circular cutouts. Cables to be rigidly supported on both sides of Floor-Ceiling assembly.
3. Fill, void or Cavity Materials*-Caulk or Putty-Caulk or putty fill material forced into annular space throughout thickness of flooring and gypsum wallboard ceiling and with a min. 1/4 in. bead applied to perimeter of cable at its egress from the top of the flooring and the underside of the the gypsum wallboard ceiling.
      Minnesota Mining & Mfg. Co.-Type CP-25 WB Caulk, Type MP Putty

*Bearing the UL Classification Marking

WALL ASSEMBLY

DESIGN NO. U305

BEARING WALL RATING-1 HR.
FINISH RATING-SEE ITEM 3



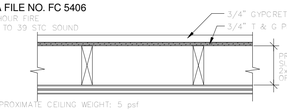
1. Nailheads – Exposed or covered with joint compound.
2. Joints – Exposed or covered with fiber tape and joint compound, except where required for specific edge configuration. For tapered, rounded-edge wallboard, joints covered with joint compound or fiber tape and joint compound. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.
3. Wallboard, Gypsum* – 5/8 in. thick wallboard paper or vinyl surfaced, with beveled, square, or tapered edges. Wallboard nailed 7 in. O.C. with 6d cement-coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads. When used in widths of other than 48 in. wallboard is to be installed horizontally.
      Canadian Gypsum Co., Ltd. – Types SCX, SHX, WRX (finish rating 26 min), Type C (finish rating 26 min).
      Celotex Corp. – Type 1, Type SF3 (finish rating 20 min), Type A (finish rating 21 min), Type B (finish rating 20 min), Type C (finish rating 21 min) or FRP.
      Domtar Gypsum – Type C (finish rating 26 min), Type 4 (finish rating 26 min), Type 5 (finish rating 26 min), Type 6, Type 8 (finish rating 23 min) or Type 9 (finish rating 26 min).
      Georgia-Pacific Corp., Gypsum Div. – Type GPFS1 (finish rating 20 min), Type GPFS2 (finish rating 20 min), Type GPFS3 (finish rating 20 min), Type GPFS4 (finish rating 20 min), Type GPFS6 (finish rating 26 min) or Type GPFS-C (finish rating 26 min).
      Gold Bond Building Products – Type FSW (finish rating 20 min), Type FSW-G (finish rating 20 min), Type FSW2 (finish rating 24 min), Type FSW3 (finish rating 20 min), Type FSW4 (finish rating 20 min), Type FSK (finish rating 20 min) or FSK-G (finish rating 20 min).
      Pabco Gypsum – Type PG-2 (finish rating 20 min), PG-3 (finish rating 20 min), PG-3W (finish rating 20 min), PG-4 (finish rating 20 min), PG-6 (finish rating 23 min), PG-3WS (finish rating 20 min).
      Republic Gypsum Co. – Type RG-1 (finish rating 20 min), Type RG-2 (finish rating 20 min), Type RG-3 (finish rating 20 min) or Type RG-4 (finish rating 26 min), Type RG-6 (finish rating 20 min).
      Standard Gypsum Corp. – Type SGC (finish rating 20 min), Type SGC-3 (finish rating 20 min) or SGC-G (finish rating 20 min).
      United States Gypsum Co. – Type SCX (finish rating 20 min), Type C (finish rating 26 min), Type WRX (finish rating 26 min), Type WR-C (finish rating 26 min), Type D (finish rating 23 min), Type IP-X1 (finish rating 26 min), Type FCV (finish rating 26 min), Type IP-X2 (finish rating 26 min), Type SHX (finish rating 26 min) or Type SHC (finish rating 26 min).
      Weyerhaeuser Co., Gypsum Div. – Type DDN1 (finish rating 20 min), Type DDG2 (finish rating 20 min), Type DDW3 (finish rating 20 min) or Type DDDG3 (finish rating 20 min).
4. Steel Corner Fasteners – (Optional) – For use at wall corners. Channel shaped, 2 in. long by 1 in. high on the back side with two 1/8 in. wide cleats protruding into the 5/8 in. wide channel, fabricated from 24 gauge galv steel. Fasteners applied only to the end or cut edge (not along tapered edges) of the wallboard, no greater than 2 in. from corner of wallboard, max spacing 16 in. O.C. Nailed to adjacent stud through tab using one No. 6d cement-coated nail per fastener. Corners of wall board shall be nailed to top and bottom plate using No. 6d cement-coated nails.
5. Batts and Blankets* (Not shown) – optional glass fiber or mineral wool insulation.
      Owens-Corning Fiberglas Corp.
      USG Interiors Inc.
      United States Gypsum Co.

*Bearing the U.L. Classification Marking.

FLOOR/CEILING ASSEMBLY AT CORRIDOR

GA FILE NO. FC 5406

STC 50 TO 54
35 TO 39 STC SOUND



APPROXIMATE CEILING WEIGHT: 5 psf
FIRE TEST: FM FC 172, 2-25-72
SOUND TEST: ESTIMATED

WOOD JOISTS, GYPSUM WALLBOARD,
Base layer 5/8" type X gypsum wallboard applied at right angles to 2x10 wood joists 24" o.c. with 1 1/4" Type W or S drywall screws 24" o.c. Face layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to joists with 1 7/8" Type S drywall screws 12" o.c. at joints and intermediate joists and 1 1/2" Type G drywall screws 12" o.c. placed 2" back on either side of end joints. Joints offset 24" from base layer joints. Wood joists supporting 1/2" plywood with exterior glue applied at right angles to joists with 8d nails. Ceiling provides one hour fire resistance protection for wood framing, including trusses.

NOTE:
THIS ASSEMBLY MUST BE APPROVED BY LOCAL BUILDING DEPARTMENT. IF 2x6 NOT APPROVED, THEN 2x10's MUST BE USED.

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: RRHA
checked by: FTM
project no: 25-104

UL DETAILS

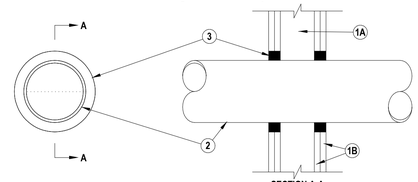
G402

9/18/2026 10:34:59 AM

System No. W-L-1054

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

F Ratings - 1 and 2 Hr (See Items 1 and 3)
T Rating - 0 Hr
L Rating At Ambient - Less Than 1 CFM/Sq Ft
L Rating At 400 F - 4 CFM/Sq Ft



SECTION A-A

1. Wall Assembly -- The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs -- Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. wider and 4 to 6 in. higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. clearance is present between the penetrating item and the framing on all four sides.
   B. Gypsum Board* -- 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 32-1/4 in. for steel stud walls. Max diam of opening is 14-1/2 in. for wood stud walls. The F Rating of the firestop system is equal to the fire rating of the wall assembly.
2. Through-Penetrants -- One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. to max 2-1/4 in. Pipe may be installed with continuous point contact. Pipe, conduit or tubing may be installed at an angle not greater than 45 degrees from perpendicular. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. Steel Pipe -- Nom 30 in diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe -- Nom 30 in. diam (or smaller) cast or ductile iron pipe.
   C. Conduit -- Nom 4 in diam (or smaller) steel electrical metallic tubing or 6 in. diam steel conduit.
   D. Copper Tubing -- Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.
   E. Copper Pipe -- Nom 6 in. diam (or smaller) regular (or heavier) copper pipe.
3. Fill, Void or Cavity Material* -- Sealant -- Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continuous contact locations between pipe and wall, a min 1/2 in. diam bead of fill material shall be applied at the pipe wall interface on both surfaces of wall .
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC -- FS-One Sealant

*Bearing the UL Classification Mark

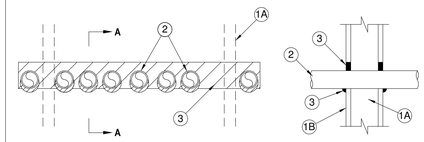
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. December 4, 2002

System No. W-L-1389

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

F Ratings — 1 and 2Hr (See Items 1 and 3)
T Rating — 0 Hr



SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing shall consist of min 3-5/8 in. (92 mm) wide steel studs spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — Thickness, type, number of layers and fasteners, as specified in the individual U400 or V400 Series Wall and Partition Design. Max height of opening is 3-1/2 in. (89 mm). Max width of opening is 32 in. (813 mm).
2. Through Penetrants — Multiple pipes or conduits installed in single layer array within the firestop system. The annular space between the pipes and conduits and the edges of the opening shall be min 0 in. (0 mm, point contact) to max 1-3/8 in. (35 mm). The separation between pipes and conduits to be a min 0 in. (0 mm, point contact) to a max 1-1/4 in. (32 mm). Pipes and conduits to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or conduits may be used:
   A. Steel Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
   B. Conduit — Nom 2 in. (51 mm) diam (or smaller) rigid steel conduit or steel electrical metallic tubing (EMT).
3. Fill Void or Cavity Materials* - Sealant — Min 5/8 in. (16 mm) thickness of fill material installed to completely fill annular space between pipes, conduits and gypsum flush with each surface of wall. Min 1/2 in. (13 mm) diam bead of fill material applied to the through penetrant/wall interface at the point contact locations on both sides of the wall. The 2 hour F Rating applies only when FS-ONE Sealant is used.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — Hilti CP 606 Flexible Firestop Sealant or FS-ONE Sealant

*Bearing the UL Classification Mark

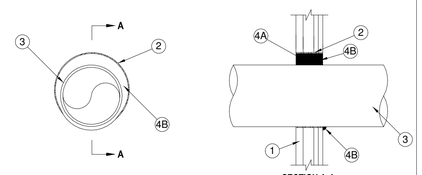
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. September 05, 2006

System No. W-L-1206

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

F Ratings — 1 and 2 Hr (See Items 1 and 4)
T Rating — 0 Hr



SECTION A-A

1. Wall Assembly — The fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — "C-T" shaped studs 1-5/8 in. wide by 2-1/2 in. deep, fabricated from 25 MSG galv steel, spaced max 24 in. OC.
   B. Gypsum Board* — One layer of nom 1 in. thick, 24 in. wide gypsum liner and one or two layers of nom 5/8 in. thick, 4 ft. wide gypsum board with square or tapered edges. The gypsum board types, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 10-1/2 in.

1A. Wall Assembly — As an alternate to the above wall assembly, the 1 or 2 Hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC.
   B. Gypsum Board* — Thickness, type, number of layers and fasteners as required in the individual Wall and Partition Design. Max diam of opening is 10-1/2 in.
   The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. Metallic Sleeve — Max 10-1/2 in. diam cylindrical sleeve fabricated from min 0.016 in. thick (28 gauge) galv sheet steel and having a min 1 in. lap along the longitudinal seam. Length of steel sleeve to be equal to thickness of wall. Sleeve installed by coiling the sheet steel to a diam smaller than the through opening, inserting the coil through the opening and releasing the coil to let it uncoil against the circular cutouts in the gypsum board layers. Sleeve may also be formed of No. 8 steel wire mesh having a min 1 in. lap along the longitudinal seam.
3. Through-Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. An annular space of min 0 in. (point contact) to max 1-7/8 in. is required within firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. Steel Pipe — Nom 8 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 8 in. diam (or smaller) cast or ductile iron pipe.
   C. Conduit — Nom 4 in. diam (or smaller) steel electrical metallic tubing or 4 in. diam steel conduit.
   D. Copper Tubing — Nom 4 in. diam (or smaller) Type L (or heavier) copper tubing.
   E. Copper Pipe — Nom 4 in. diam (or smaller) Regular (or heavier) copper pipe.
   F. Flexible Steel Conduit+ — Nom 2 in. diam (or smaller) flexible steel conduit.
   See Flexible Metal Conduit (DXUZ) category in the Electrical Construction Equipment Directory for names of manufacturers.
4. Firestop System — The firestop system shall consist of the following:
   A. Packing Material — Min 1-5/8 or 2-1/4 in. thickness of min 4 pcf mineral wool batt insulation firmly packed into sleeve on one side of the wall as permanent form for 1 and 2 Hr walls, respectively. Packing material to be recessed from the room side of wall as required to accommodate the required thickness of fill material. In alternate wall assembly, packing material to be flush with either side of the wall and recessed from the other side of the wall to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material — Sealant* — Min 1-1/2 in. thickness applied within sleeve, flush with the surface of wall. At the point contact location between pipe and wall, a min 1/2 in. diam bead of fill material shall be applied at the pipe/wall interface.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant

*Bearing the UL Classification Mark
+Bearing the UL Listing Mark

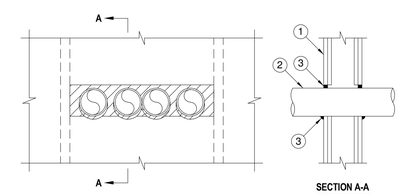
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. August 31, 2005

System No. W-L-1408

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

F Rating - 1 or 2 Hr (See Item 1)
T Rating - 0 or 1/4 Hr (See Item 1)



SECTION A-A

1. Wall Assembly — The 1 and 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing shall consist of min 3-5/8 in. (92 mm) wide steel studs spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — Thickness, type, number of layers and fasteners, as specified in the individual U400 or V400 Series Wall and Partition Design. Max area or opening is 114 in.2 (735 cm2) with max height of 5 in. (127 mm) and max width of 23 in. (584 mm).
   The hourly F Rating of the firestop system is equal to the hourly rating of the wall. The hourly T Rating of the firestop system is 0 hr and 1/4 hr when installed in 1 hr and 2 hr fire rated wall assemblies, respectively.
2. Through Penetrants — Multiple pipes or conduits installed in single layer array within the firestop system. The annular space between the pipes and conduits and the edges of the opening shall be min 0 in. (0 mm, point contact) to max 1 in. (25 mm). The separation between pipes and conduits to be a min 0 in. (0 mm, point contact) to a max 1-1/2 in. (38 mm). Pipes and conduits to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or conduits may be used:
   A. Steel Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
   B. Conduit — Nom 4 in. (102 mm) diam (or smaller) rigid steel conduit or steel electrical metallic tubing (EMT).
3. Fill Void or Cavity Materials* - Sealant — Min 5/8 in. (16 mm) thickness of fill material installed to completely fill annular space between pipes, conduits and gypsum flush with each surface of wall. Min 1/2 in. (13 mm) diam bead of fill material applied to the through penetrant/wall interface at the point contact locations on both sides of the wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant

*Bearing the UL Classification Mark

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. September 05, 2006

Notes:

1. *Refer to section 16055 of the specifications. For Quality Control requirements, refer to the Quality Control portion of the specification.*
2. *Details shown are typical details. If field conditions do not match requirements of typical details, approved alternate details shall be utilized. Field conditions and dimensions need to be verified for compliance with the details, including but not limited to the following: * Minimum and maximum Width of Joints * Type and thickness of fire-rated construction. The minimum assembly rating of the firestop assembly shall meet or exceed the highest rating of the adjacent construction.*
3. *If alternate details matching the field conditions are not available, manufacturer's engineering judgment drawings are acceptable. Drawings shall follow the International Firestop Council (IFC) Guidelines for Evaluating Firestop Systems Engineering Judgments.*
4. *References:*
   - *2012 Underwriter's Laboratories Fire Resistance Directory, Volumes 1 & 2*
   - *NFPA 101 Life Safety Code*
   - *NFPA 70 - National Electric Code*
   - *All governing local and regional building codes*
5. *Firestop System installation must meet requirements of ASTM E-814 (UL 1479) tested assemblies that provide a fire rating equal to that of construction being penetrated.*
6. *All rated through-penetration assemblies shall be prominently labeled with the following information:*
   - *ATTENTION: Fire Rated Assembly*
   - *UL System # * Product(s) used*
   - *Hourly Rating (F-Rating)*
   - *Installation Date*
7. *For outlet boxes requiring protection, use only Wall Opening Protective Materials, category CLIV as classified by Underwriter's Laboratories, Fire Resistance Directory (Volume 1.)*

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: RRHA
checked by: FTM
project no: 25-104

UL DETAILS

G403

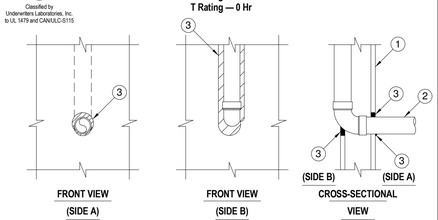
9/18/2026 10:35:00 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. 8" SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED. THIS IS NOT AN AUTHORIZED COPY.

System No. W-L-1412

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

F Rating — 1 Hr
T Rating — 0 Hr



1. Wall Assembly — The 1 hr fire-rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing shall consist of steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-5/8 in. (92 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — Min 5/8 in. (16 mm) thick gypsum board. Max diam of opening shall be 3 in. (76 mm) on through penetration side. Maximum width of opening on membrane penetration is to be max 3 in. (76 mm).
2. Through Penetrant — One nom 2 in. (51 mm) pipe to be installed concentrically or eccentrically within opening on one side of the wall. On one side of the wall the pipe is allowed to penetrate the membrane continuously in a plane parallel with the wall and the studs. The annular space between the through penetrant and the periphery of opening shall be min 0 in. (0 mm, point contact) to max 3/4 in. (19 mm). Through penetrant to be rigidly supported on the through penetration side of the wall assembly. The following types and sizes of through penetrants may be used:
   A. Steel Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 2 in. (51 mm) diam (or smaller) cast or ductile iron pipe.
   C. Conduit — Nom 2 in. (51 mm) diam (or smaller) rigid steel conduit or electrical metallic tubing (ENT).
3. Firestop System — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied with annulus flush with both surfaces of the wall. Additional min 1/4 in. (6 mm) diam bead of fill material applied at the penetrant/gypsum board interface on both sides of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant

*Bearing the UL Classification Mark

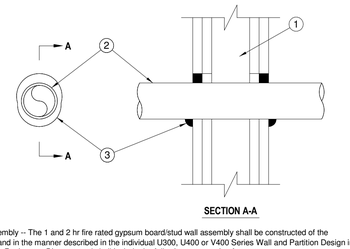
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
May 24, 2007

System No. W-L-2244

Classified by Underwriters Laboratories, Inc. to UL 1479

F Ratings -- 1 and 2 Hr (See Item 1)
T Ratings -- 1 and 2 Hr (See Item 1)
L Rating at Ambient - Less Than 1 CFM/sq ft
L Rating at 400 F - 2 CFM/sq ft



1. Wall Assembly -- The 1 and 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs -- Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* -- The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 3 in. (76 mm).
   The hourly F and T Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Through Penetrant -- One nonmetallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe and periphery of opening shall be min of 0 in. (point contact) to a max 5/8 in.. (16 mm). Pipe to be rigidly supported on both sides of wall assembly. The following types and sizes of nonmetallic pipes may be used:
   A. Polyvinyl Chloride (PVC) Pipe -- Nom 2 in. (51 mm) diam (or smaller) cellular or solid core Schedule 40 (or heavier) pipe for use in closed (process or supply) piping systems.
   B. Chlorinated Polyvinyl Chloride (CPVC) -- Nom 2 in. (51 mm) diam (or smaller) SDR 13.5 CPVC pipe for use in closed (process or supply) piping systems.
3. Fill, Void or Cavity Material* - Sealant -- Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall. At point contact location, a min 1/2 in. (13 mm) diam bead of fill material shall be applied to the wall/penetrant interface on both surfaces of the wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC -- FS-ONE Sealant

*Bearing the UL Classification Mark

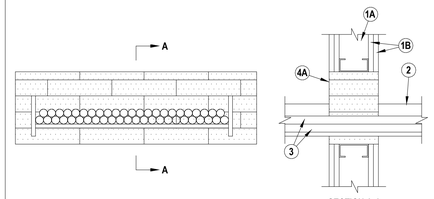
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
April 11, 2005

System No. W-L-4011

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating At Ambient — 5 CFM/sq ft	FH Ratings — 1 and 2 Hr (See Item 1)
L Rating At 400 F — 2 CFM/sq ft	FTH Rating — 0 Hr
	L Rating At Ambient — 5 CFM/sq ft
	L Rating At 400 F — 2 CFM/sq ft



1. Wall Assembly — The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 in. (51 mm) by 4 in. (102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. Additional framing member shall be installed in stud cavity containing through-penetrating item to form a rectangular box around penetrant.
   B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (1219 mm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400, V400 or W400 Series Design in the UL Fire Resistance Directory. Max size of opening 9 in. (229 mm) by 30 in. (762 mm).
   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
   Min finished wall thickness is 5 in. (127 mm).
2. Cable Tray* — Max 24 in. (610 mm) wide by max 6 in. (152 mm) deep open-ladder or solid-back cable tray with channel-shaped side rails formed of 0.065 in. (1.65 mm) thick aluminum or 0.060 in. (1.52 mm) thick steel and with 1-1/2 in. (38 mm) wide by 1 in. (25 mm) channel shape rungs spaced 9 in. (229 mm) OC or a 0.029 in. (0.74 mm) thick steel solid back, respectively. One cable tray to be installed in the opening. The max annular space between the cable tray and the periphery of the opening shall be min 1 in. (25 mm) to max 7 in. (178 mm) Cable tray to be rigidly supported on both sides of floor or wall assembly.
3. Cables — Aggregate cross-sectional area of cables in cable tray to be max 30 percent of the cross-sectional area of the cable tray. Any combination of the following types and sizes of copper conductor cables may be used:
   A. 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and PVC jacket.
   B. 100 pair - No. 24 AWG cable with PVC insulation and jacket.
   C. 1/C, 750 kcmil (or smaller) with PVC insulation and jacket.
4. Through-Penetrants — One or more pipe or tube to be installed within the opening. The total number of through-penetrants is dependent on the size of the opening and types and sizes of the penetrants. Any combination of the penetrants described below may be used provided that the following parameters relative to the annular spaces and the spacings between the pipes are maintained. The space between the pipe or tube and the periphery of the opening shall be min 1-1/2 in. (38 mm) to max 9-1/4 in. (235 mm). Pipe or tube to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of non-metallic or metallic pipes, or tubes may be used:
   A. Polyvinyl Chloride (PVC) Pipe — Max 3 in. (76 mm) diam Schedule 40 solid core PVC pipe (or smaller) for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   B. Steel Pipe — Nom 6 in. (152 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe.
   C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or 6 in. (152 mm) diam steel conduit.
   D. Copper Pipe — Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
   E. Copper Tube — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tube.
4A. Pipe Covering — (Not Shown) Nom 1-1/2 in. (38 mm) thick hollow cylindrical heavy density (min 3.5 pcf) (56kg/m³) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.
   See Pipe and Equipment Covering and Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 may be used.
5. Cables — Max 1-1/2 in. (38 mm) diam tight bundle of cables installed within the opening and rigidly supported on both surfaces of wall. The space between the cables and periphery of the opening shall range from 1-3/16 in. (30.2 mm) min to a max of 1-1/2 in. (38 mm). Any combination of the following types and sizes of cables may be used:
   A. 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and jacket.
   B. 25 pair — No. 24 AWG cable with PVC insulation and jacket.
   C. Type R GU/59 coaxial cable with PVC outer jacket.
   D. 24 fiber optic cable with PVC sub unit and outer jacket.
6. Firestop System — The firestop system shall consist of the following:
   A. Fill, Void or Cavity Material* — Fire Blocks For walls incorporating max 3-5/8 in. (92 mm) steel studs or max 2 (51 mm) by 4 in. (102 mm) wood studs, fire block installed with 5 in. (127 mm) dimension projecting through and centered in opening. For walls constructed of larger steel or wood studs, fire block installed with long dimension passing through and centered in opening. Blocks may or may not be cut flush with both surfaces of wall. When multiple layers of gypsum board are used, blocks may be recessed 1/2 in. (13 mm) from surface of wall. Blocks to be firmly packed in opening. Either one or a combination of the block types specified below may be used.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-657 Fire Block or CFS-BL Firestop Block
   B. Fill, Void or Cavity Material* - Sealant or Putty (Not shown) — Fill material to be forced into interstices of cables and between cables and cable trays to max extent possible on both surfaces of the penetration.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or CP618 Firestop Putty Stick
   (Note: L Ratings apply only when FS-One Sealant is used)

+Bearing the UL Listing Mark
*Bearing the UL Classification Mark

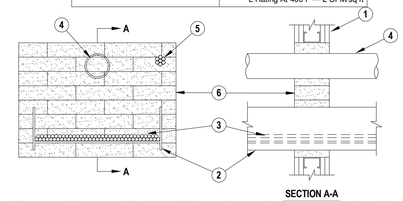
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
December 13, 2011

System No. W-L-8013

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating At Ambient — 5 CFM/sq ft	FH Ratings — 1 and 2 Hr (See Item 1)
L Rating At 400 F — 2 CFM/sq ft	FTH Rating — 0 Hr
	L Rating At Ambient — 5 CFM/sq ft
	L Rating At 400 F — 2 CFM/sq ft



System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 in. (51 mm) by 4 in. (102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. Additional studs installed to completely frame the opening.
   B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (1219 mm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max area of opening is 352 sq in. (2271 sq cm) with max dimension of 22 in. (559 mm) wide.
   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Cable Tray* — Max 18 in. (457 mm) wide by max 6 in. (152 mm) deep open-ladder or solid-back cable tray with channel-shaped side rails formed of 0.065 in. (1.65 mm) thick aluminum or 0.060 in. (1.52 mm) thick steel and with 1-1/2 in. (38 mm) wide by 1 in. (25 mm) channel shape rungs spaced 9 in. (229 mm) OC or a 0.029 in. (0.74 mm) thick steel solid back, respectively. One cable tray to be installed in the opening. The max annular space between the cable tray and the periphery of the opening shall be min 1 in. (25 mm) to max 7 in. (178 mm) Cable tray to be rigidly supported on both sides of floor or wall assembly.
3. Cables — Aggregate cross-sectional area of cables in cable tray to be max 30 percent of the cross-sectional area of the cable tray. Any combination of the following types and sizes of copper conductor cables may be used:
   A. 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and PVC jacket.
   B. 100 pair - No. 24 AWG cable with PVC insulation and jacket.
   C. 1/C, 750 kcmil (or smaller) with PVC insulation and jacket.
4. Through-Penetrants — One or more pipe or tube to be installed within the opening. The total number of through-penetrants is dependent on the size of the opening and types and sizes of the penetrants. Any combination of the penetrants described below may be used provided that the following parameters relative to the annular spaces and the spacings between the pipes are maintained. The space between the pipe or tube and the periphery of the opening shall be min 1-1/2 in. (38 mm) to max 9-1/4 in. (235 mm). Pipe or tube to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of non-metallic or metallic pipes, or tubes may be used:
   A. Polyvinyl Chloride (PVC) Pipe — Max 3 in. (76 mm) diam Schedule 40 solid core PVC pipe (or smaller) for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   B. Steel Pipe — Nom 6 in. (152 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe.
   C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or 6 in. (152 mm) diam steel conduit.
   D. Copper Pipe — Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
   E. Copper Tube — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tube.
4A. Pipe Covering — (Not Shown) Nom 1-1/2 in. (38 mm) thick hollow cylindrical heavy density (min 3.5 pcf) (56kg/m³) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.
   See Pipe and Equipment Covering and Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 may be used.
5. Cables — Max 1-1/2 in. (38 mm) diam tight bundle of cables installed within the opening and rigidly supported on both surfaces of wall. The space between the cables and periphery of the opening shall range from 1-3/16 in. (30.2 mm) min to a max of 1-1/2 in. (38 mm). Any combination of the following types and sizes of cables may be used:
   A. 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and jacket.
   B. 25 pair — No. 24 AWG cable with PVC insulation and jacket.
   C. Type R GU/59 coaxial cable with PVC outer jacket.
   D. 24 fiber optic cable with PVC sub unit and outer jacket.
6. Firestop System — The firestop system shall consist of the following:
   A. Fill, Void or Cavity Material* — Fire Blocks For walls incorporating max 3-5/8 in. (92 mm) steel studs or max 2 (51 mm) by 4 in. (102 mm) wood studs, fire block installed with 5 in. (127 mm) dimension projecting through and centered in opening. For walls constructed of larger steel or wood studs, fire block installed with long dimension passing through and centered in opening. Blocks may or may not be cut flush with both surfaces of wall. When multiple layers of gypsum board are used, blocks may be recessed 1/2 in. (13 mm) from surface of wall. Blocks to be firmly packed in opening. Either one or a combination of the block types specified below may be used.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS 657 Fire Block or CFS-BL Firestop Block
   B. Fill, Void or Cavity Material* — Sealant or Putty - Fill material to be forced into interstices of cables, between cables and cable trays, around each penetrant and where obvious voids are observed to max extent possible on both surfaces of the penetration.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant, CP 618 Putty Stick or CP620

+Bearing the UL Listing Mark
*Bearing the UL Classification Mark

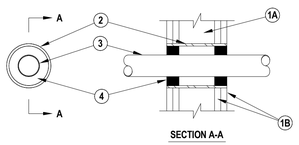
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
January 13, 2012

System No. W-L-2075

Underwriters Laboratories, Inc. to UL 1479

F Ratings - 1 & 2 Hr (See Item 4)
T Ratings - 0 and 2 Hr (see Item 4)
L Rating At Ambient - Less Than 1 CFM/Sq Ft
L Rating At 400 F - 4 CFM/Sq Ft



1. Floor or Wall Assembly -- The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs -- Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
   B. Gypsum Board* -- Nom 5/8 in. thick gypsum wallboard, as specified in the individual Wall and Partition Design. Max diam of opening is 4 in.
2. Metallic Sleeve -- (Optional) -- Nom 4 in. diam (or smaller) Schedule 40 (or thinner) steel pipe cast into wall assembly with joint compound and installed flush with wall surfaces.
3. Electrical Nonmetallic Tubing+ -- Nom 2 in. diam (or smaller) corrugated wall electrical nonmetallic tubing (ENT) constructed of polyvinyl chloride (PVC). Tubing to be rigidly supported on both sides of wall assembly. A nom annular space of 3/4 in. is required within the firestop system.
   See Electrical Nonmetallic Tubing (FKHU) category in the Electrical Construction Materials Directory for names of manufacturers.
4. Fill, Void or Cavity Material* -- Sealant -- Installed symmetrically on both sides of the wall. The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed. Fill material applied within the annulus, flush with each end of the steel sleeve at the thickness shown in the table below:

F Rating Hr	T Rating Hr	Fill Mtl Depth In.
1	0	5/8
2	2	1-1/4

   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC -- FS-One Sealant

+Bearing the UL Listing Mark
*Bearing the UL Classification Marking

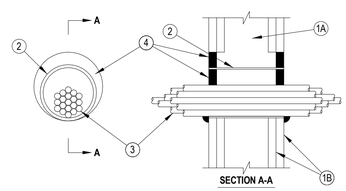
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
January 9, 2003

System No. W-L-3065

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

F Ratings — 1 and 2 Hr (See Item 1)
T Rating — 0 and ¾ Hr (See Item 3)



1. Wall Assembly — The 1 or 2 fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — Nom 5/8 in. (16 mm) thick gypsum board, with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 5-1/2 in. (138 mm) when sleeve (Item 2) is employed. Max diam of opening is 4 in. (102 mm) when sleeve (Item 2) is not employed.
   The F Rating of the firestop system is equal to the fire rating of the wall assembly.
2. Metallic Sleeve — (Optional) - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or Schedule 5 (or heavier) steel pipe or min 0.016 in. thick (0.41 mm, No. 28 ga) galv steel sleeve installed flush with wall surfaces. The annular space between steel sleeve and periphery of opening shall be min 0 in. (0 mm, point contact) to max 1 in. (25mm). When Schedule 5 steel pipe or EMT is used, sleeve may extend up to 18 in. (457 mm) beyond the wall surfaces. As an option when Schedule 5 steel pipe or EMT is used, sleeve may extend continuously beyond one wall surfaces. When cable bundle penetrates wall assembly at an angle of 45 degrees, no metallic sleeve is used.
3. Cables — Aggregate cross-sectional area of cable in opening to be max 45 percent of the cross-sectional area of the opening. The annular space between the cable bundle and the periphery of the opening to be min 0 in. (0 mm, point contact) to max 1 in. (25 mm) Cables to be rigidly supported on both sides of the wall assembly. Cable bundle, using cables described below, may penetrate the wall at an angle not greater than 45 degrees. Any combination of the following types and sizes of copper conductor cables may be used:
   A. Max 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and jacket.
   B. Max 25 pair No. 24 AWG telephone cable with PVC insulation and jacket.
   B1. Max 4 pr No. 22 AWG Cat 5 or Cat 6 computer cables.
   C. Type RG/U coaxial cable with polyethylene (PE) insulation and PVC jacket having a max outside diameter of ½ in. (13 mm).
   C1. Max RG 6/U coaxial cable with fluorinated ethylene insulation and jacketing.
   D. Multiple fiber optical communication cable jacketed with PVC and having a max OD of 5/8 in. (16 mm).
   E. Through Penetrating Products*— Max three copper conductor No. 8 AWG .Metal-Clad Cable+.
   AFC CABLE SYSTEMS INC
   F. Max 3/C (with ground)(or smaller) No. 8 AWG copper conductor cable with PVC insulation and jacketing.
   G. Max 3/4 in. (19 mm) diam copper ground cable with or without a PVC jacket.
   H. Fire Resistive Cables* - Max 1-1/4 in. (32 mm) diam single conductor or multi conductor Type MI cable. A min 1/8 in. (3 mm) separation shall be maintained between MI cables and any other types of cable.
   I. Max 4/C with ground 300 kcmil (or smaller) aluminum SER cable with PVC insulation and jacket.
   J. Through Penetrating Product* - Any cables, Metal-Clad Cable+ or Armored Cable+ currently Classified under the Through Penetrating Products category.
   K. Maximum 3/C No. 8 AWG metal-clad cable.
   L. Maximum 5/8 diam fiber-optic cable with PVC jacket.
   For cable bundle penetrating the wall assembly at an angle of 45 degrees, the T rating is ¾ hr for a 2 hr wall assembly.
   See Through Penetrating Product (XHLY) category in the Fire Resistance Directory for names of manufacturers.
4. Fill, Void or Cavity Material*— Sealant or Putty — Fill material applied within the annulus, flush with each end of the steel sleeve or wall surface. Fill material installed symmetrically on both sides of the wall. A min 5/8 in. (16 mm) thickness of sealant is required for the 1 or 2 hr F Rating . An additional 1/2 in. (13 mm) diam bead of fill material shall be applied around the perimeter of sleeve on both sides of the wall when sleeve extends beyond surface of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP601S, CP606, FS-One Sealants or CP618 Putty
   (Note: L Ratings apply only when FS-One Sealant is used)

+Bearing the UL Listing Mark
*Bearing the UL Classification Mark

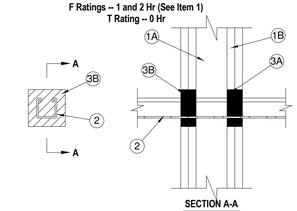
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
March 15, 2012

System No. W-L-7130

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

F Ratings -- 1 and 2 Hr (See Item 1)
T Rating -- 0 Hr



1. Wall Assembly -- The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs -- Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* -- One or two layers of gypsum board, as specified in the individual Wall and Partition Design. Max area of rectangular opening is 15 sq in. (96 cm2) with max dimension of 5 in. (127 mm). In lieu of rectangular opening max diam of circular opening is 3 in. (76 mm).
   The F Rating of the firestop system is equal to the hourly fire rating of the wall assembly.
2. Through Penetrants -- One metallic strut, cable, rod or angle service support to be installed within the firestop system. An annular space of min 1/8 in. (3 mm) to max 7/8 in. (22 mm) is required within the firestop system. Strut, cable, rod or angle service support to be rigidly supported on both sides of floor or wall assembly. The strut, cable, rod or angle service support may be installed at an angle not greater than 45 degrees from the perpendicular. The following types and sizes of metallic strut, cable, rod or angle service support may be used:
   A. Steel Strut -- Max 1-5/8 by 1-5/8 in. (41 by 41 mm) channel strut formed from min 0.105 in. (2.7 mm) thick galv or painted steel.
   B. Steel Strut -- Max 3-1/4 by 1-5/8 in. (83 by 41 mm) H strut formed from min 0.105 in. (2.7 mm) thick galv or painted steel.
   C. Cable -- Max 3/8 in. (9.5 mm) diam unjacketed galv steel cable.
   D. Threaded Rod -- Max 1 in. (25 mm) diam galv steel threaded rod.
   E. Steel Angle -- 2 by 2 by 1/8 in. (51 by 51 by 3 mm) thick steel angle.
3. Firestop System -- The firestop system shall consist of the following:
   A. Packing Material -- Min 1/2 in. (13 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be located between penetrant and periphery of opening, and within channels of struts. Packing material to be recessed from both surfaces of wall to accommodate the required thickness of fill material. When through penetrant is oriented perpendicular to wall or when Type FS-ONE Sealant (Item 3B) is used, packing material is optional.
   B. Fill, Void or Cavity Material* - Sealant -- Min 5/8 in. (16 mm) thickness of fill material applied within the annulus and within the channel struts, flush with both surfaces of wall.
   HILTI CONSTRUCTION CHEMCIALS, DIV OF HILTI INC -- FS-ONE Sealant, CP 606 Sealant

*Bearing the UL Classification Mark

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
July 06, 2005

Notes:

1. *Refer to section 16055 of the specifications. For Quality Control requirements, refer to the Quality Control portion of the specification.*
2. *Details shown are typical details. If field conditions do not match requirements of typical details, approved alternate details shall be utilized. Field conditions and dimensions need to be verified for compliance with the details, including but not limited to the following: * Minimum and maximum Width of Joints * Type and thickness of fire-rated construction. The minimum assembly rating of the firestop assembly shall meet or exceed the highest rating of the adjacent construction.*
3. *If alternate details matching the field conditions are not available, manufacturer's engineering judgment drawings are acceptable. Drawings shall follow the International Firestop Council (IFC) Guidelines for Evaluating Firestop Systems Engineering Judgments.*
4. *References:*
   - ** 2012 Underwriter's Laboratories Fire Resistance Directory, Volumes 1 & 2*
   - ** NFPA 101 Life Safety Code*
   - ** NFPA 70 - National Electric Code*
   - ** All governing local and regional building codes*
5. *Firestop System installation must meet requirements of ASTM E-814 (UL 1479) tested assemblies that provide a fire rating equal to that of construction being penetrated.*
6. *All rated through-penetration assemblies shall be prominently labeled with the following information:*
   - ** ATTENTION: Fire Rated Assembly*
   - ** UL System # * Product(s) used*
   - ** Hourly Rating (F-Rating)*
   - ** Installation Date*
7. *For outlet boxes requiring protection, use only Wall Opening Protective Materials, category CLIV as classified by Underwriter's Laboratories, Fire Resistance Directory (Volume 1.)*

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: RRHA
checked by: FTM
project no: 25-104

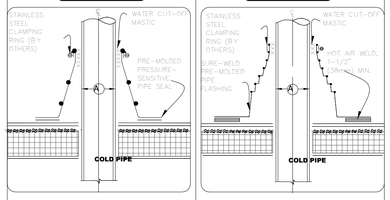
UL DETAILS

G404

9/18/2026 10:35:01 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

THERMOSET / THERMOPLASTIC MEMBRANE — AFX



DIMENSIONS	inch	mm
A 1/2"	13	TO
6"	152	

DIMENSIONS	inch	mm
A 3/4"	8	TO
6"	203	

NOTES:

1. REMOVE ALL LEAD AND OTHER FLASHING BEFORE INSTALLING FIELD FABRICATED PIPE SEAL.
2. TEMPERATURE OF PIPE MUST NOT EXCEED 180° F (82° C).
3. APPLY EPDM PRIMER TO SPLICE AREA.
4. PIPE SEAL MUST HAVE INTACT RIB AT TOP EDGE, REGARDLESS OF PIPE DIAMETER.
5. DECK FLANGES OF THE PRE-MOLDED PIPE SEAL SHALL NOT BE OVERLAPPED, CUT OR APPLIED OVER ANY ANGLE CHANGE.
6. WHEN A FIELD SPLICE INTERSECTS A PIPE SEAL, APPLY LAP SEALANT ALONG THE EDGE OF THE MEMBRANE SPLICE COVERING THE EXPOSED SPLICE TAPE 2" (51mm) IN EACH DIRECTION FROM THE SPLICE INTERSECTION & OVERLAY WITH A 4"x4" (152 x 152mm) T-JOINT COVER.

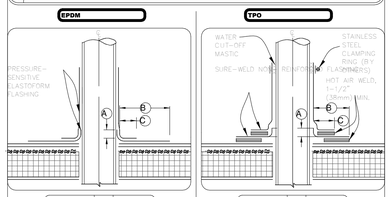
AFX MEMBRANE / ASPHALT COLD APPLIED / APPROVED SUBSTRATE / SEE NOTE(S)

PRE-MOLDED PIPE SEALS — For additional information, refer to Specifications — DETAIL NO. AFX-8A — AFX ADHERED

© 2012 Carlisle SynTec a division of Carlisle Construction Materials Incorporated

THERMOSET / THERMOPLASTIC MEMBRANE — AFX

CAUTION: DETAIL NOT FOR USE ON 25-YEAR WARRANTY PROJECTS. ACCEPTABLE PIPE FLASHINGS SHALL CONFORM WITH AFX-8A DETAIL OR REFER TO THERMOSET/THERMOPLASTIC UNIVERSAL DETAILS.



DIMENSIONS	inch	mm
A 1/2"	13	MIN.
B 3"	76	MIN.
C 1"	25	MIN.

DIMENSIONS	inch	mm
A 1/2"	13	MIN.
B 1-1/2"	38	TO
2"	51	
C 1"	25	MIN.

NOTES:

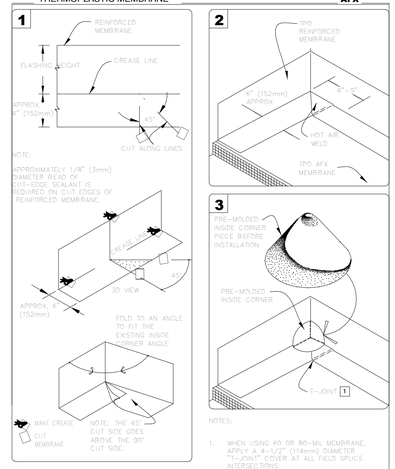
1. REMOVE ALL LEAD AND OTHER FLASHING BEFORE INSTALLING FIELD-FABRICATED PIPE SEAL.
2. TEMPERATURE OF PIPE MUST NOT EXCEED 180° F (82° C).
3. PRIOR TO APPLYING PRESSURE-SENSITIVE ELASTOFORM FLASHING, APPLY EPDM PRIMER TO SPLICE AREAS.
4. MECHANICAL SECUREMENT IS REQUIRED AROUND ALL PIPES GREATER THAN 18" (457mm) IN DIAMETER.
5. IN COLDER TEMPERATURES A HEAT GUN MUST BE USED WHEN FORMING PRESSURE-SENSITIVE ELASTOFORM FLASHING.
6. REFER TO EPDM UNIVERSAL DETAILS FOR HOT STACK, STEEL TUBING & FLEXIBLE PIPE PENETRATIONS.

AFX MEMBRANE / ASPHALT COLD APPLIED / APPROVED SUBSTRATE / SEE NOTE(S)

FIELD FABRICATED PIPE FLASHING — For additional information, refer to Specifications — DETAIL NO. AFX-8B — AFX ADHERED

© 2012 Carlisle SynTec a division of Carlisle Construction Materials Incorporated

THERMOPLASTIC MEMBRANE — AFX



NOTES:

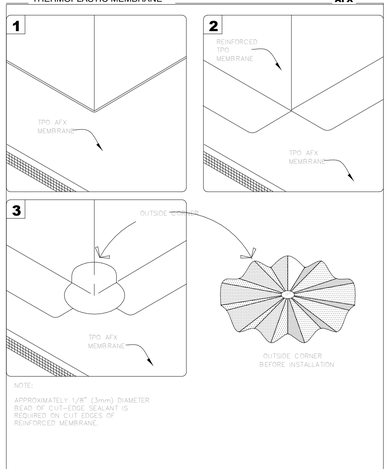
1. WHEN USING 60 OR 80-MIL MEMBRANE, APPLY A 4-1/2" (114mm) DIAMETER "T-JOINT" COVER AT ALL FIELD SPLICE INTERSECTIONS.

AFX MEMBRANE / ASPHALT COLD APPLIED / APPROVED SUBSTRATE / SEE NOTE(S)

TPO PRE-MOLDED INSIDE CORNER — For additional information, refer to Specifications — DETAIL NO. AFX-15C — AFX ADHERED

© 2012 Carlisle SynTec a division of Carlisle Construction Materials Incorporated

THERMOPLASTIC MEMBRANE — AFX



NOTE:

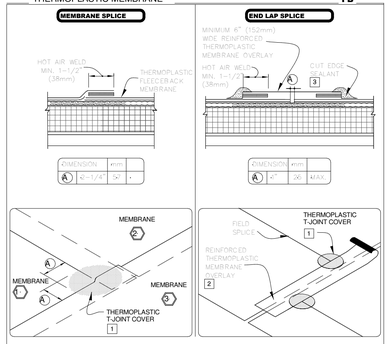
1. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED TPO MEMBRANE.

AFX MEMBRANE / ASPHALT COLD APPLIED / APPROVED SUBSTRATE / SEE NOTE(S)

TPO PRE-MOLDED OUTSIDE CORNER — For additional information, refer to Specifications — DETAIL NO. AFX-15D — AFX ADHERED

© 2012 Carlisle SynTec a division of Carlisle Construction Materials Incorporated

THERMOPLASTIC MEMBRANE — FB



DIMENSIONS	inch	mm
A 2-1/6"	54	*

DIMENSIONS	inch	mm
A 4"	102	MAX.

NOTES:

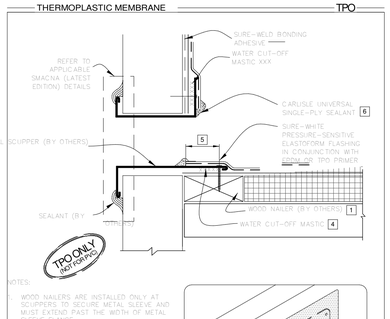
1. WHEN USING 115 OR 135-MIL THERMOPLASTIC FLEECEBACK MEMBRANE, APPLY A 4-1/2" DIAMETER THERMOPLASTIC "T-JOINT" COVER AT ALL FIELD SPLICE INTERSECTIONS.
2. WHEN USING 60 OR 80 MIL THERMOPLASTIC REINFORCED MEMBRANE OVERLAY, INTERSECTIONS BETWEEN SPLICES MUST BE OVERLAID WITH A 4-1/2" (114mm) DIAMETER THERMOPLASTIC "T-JOINT" COVER.
3. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF SURE-FLEX PVC MEMBRANE.

FleeceBACK MEMBRANE / FAST ADHESIVE/ADHERESIVE / APPROVED SUBSTRATE / SEE NOTE(S)

THERMOPLASTIC MEMBRANE SPLICES — For additional information, refer to Specifications — DETAIL NO. FB-2B — FLEECEBACK ADHERED

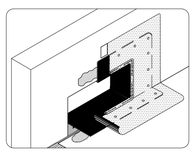
© 2012 Carlisle SynTec a division of Carlisle Construction Materials Incorporated

THERMOPLASTIC MEMBRANE — TPO



NOTES:

1. WOOD NAILERS ARE INSTALLED ONLY AT SCUPPERS TO SECURE METAL SLEEVE AND MUST EXTEND PAST THE WIDTH OF METAL SLEEVE FLANGE.
2. INSTALL WALL FLASHING PRIOR TO SCUPPER INSTALLATION.
3. METAL SCUPPER BOX MUST HAVE CONTINUOUS FLANGES WITH ROUNDED CORNERS, SOLDER ALL SCUPPER SEAMS WATER-TIGHT.
4. WATER CUT-OFF MASTIC UNDER SCUPPER FLANGE MUST BE UNDER CONSTANT COMPRESSION.
5. SCUPPER FLANGES MUST BE TOTALLY COVERED BY PRESSURE-SENSITIVE ELASTOFORM FLASHING WITH MINIMUM 2" (51mm) COVERAGE PAST NAIL HEAD.
6. UNIVERSAL SINGLE-PLY SEALANT IS REQUIRED AT FLASHING EDGES ON SCUPPER EDGE. TPO PRIMER MUST BE USED TO PREPARE SURFACES PRIOR TO THE APPLICATION OF SEALANT.

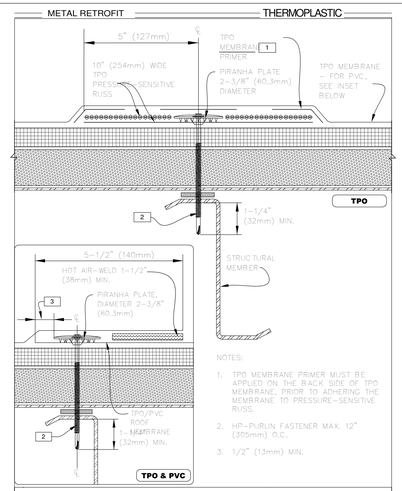


TPO MEMBRANE / APPROVED SUBSTRATE / SEE NOTE(S)

SCUPPER AT DECK- TPO — For additional information, refer to Specifications — DETAIL NO. U-18B — THERMOPLASTIC TPO

© 2016 Carlisle SynTec a division of Carlisle Construction Materials Incorporated

METAL RETROFIT — THERMOPLASTIC



NOTES:

1. TPO MEMBRANE PRIMER MUST BE APPLIED ON THE BACK SIDE OF TPO MEMBRANE, PRIOR TO ADHERING THE MEMBRANE TO PRESSURE-SENSITIVE RUSS.
2. HP-PURLIN FASTENER MAX. 12" (305mm) O.C.
3. 1/2" (13mm) MIN.

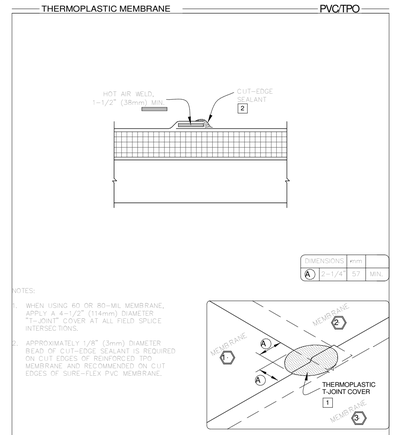
MEMBRANE ATTACHMENT

HIGH DENSITY RECOVER BOARD / IN-FILL INSULATION / ROOF MEMBRANE / WOOD NAILER (BY OTHERS) / SEE DRAWING NOTE(S)

SHEET NO. MR T2.1

© 2013 Carlisle SynTec a division of Carlisle Construction Materials Incorporated

THERMOPLASTIC MEMBRANE — PVC/TPO



DIMENSIONS	inch	mm
A 1-1/4"	57	MIN.

NOTES:

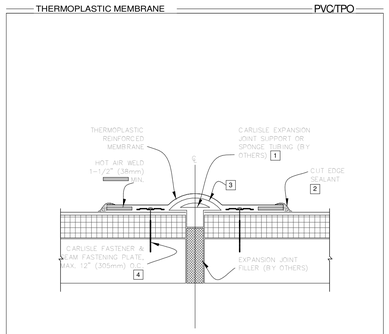
1. WHEN USING 60 OR 80-MIL MEMBRANE, APPLY A 4-1/2" (114mm) DIAMETER "T-JOINT" COVER AT ALL FIELD SPLICE INTERSECTIONS.
2. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF SURE-FLEX PVC MEMBRANE.

THERMOPLASTIC/REINFORCED MEMBRANE / APPROVED INSULATION / SEE NOTE(S)

MEMBRANE SPLICE — For additional information, refer to Specifications — DETAIL NO. U-2 — THERMOPLASTIC UNIVERSAL

© 2016 Carlisle SynTec a division of Carlisle Construction Materials Incorporated

THERMOPLASTIC MEMBRANE — PVC/TPO



NOTES:

1. WHEN CARLISLE EXPANSION JOINT SUPPORT IS USED, WIDTH OF JOINT SHALL BE A MINIMUM OF 3/4" (19mm) AND SHALL NOT EXCEED 3" (75mm).
2. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF SURE-FLEX PVC MEMBRANE.
3. MEMBRANE FLASHING SHALL NOT BE ADHERED OVER THE EXPANSION JOINT SUPPORT OR SPONGE TUBING.
4. ON MECHANICALLY FASTENED SYSTEMS, HP-X FASTENERS AND PIRANHA PLATES OR HP-XTRA FASTENERS AND PIRANHA XTRA PLATES ARE REQUIRED OVER STEEL AND WOOD DECKS. ON CONCRETE DECKS, CD-10 OR HD 14-10 FASTENERS ARE USED WITH PIRANHA PLATES.

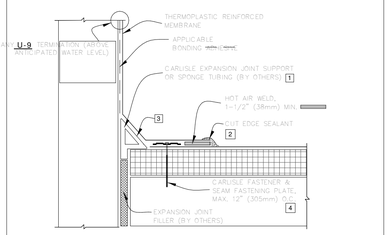
THERMOPLASTIC/REINFORCED MEMBRANE / APPROVED INSULATION / SEE NOTE(S)

DECK-TO-DECK EXPANSION DETAIL — For additional information, refer to Specifications — DETAIL NO. U-3A — THERMOPLASTIC UNIVERSAL

© 2016 Carlisle SynTec a division of Carlisle Construction Materials Incorporated

THERMOPLASTIC MEMBRANE — PVC/TPO

CAUTION: WHEN A WARRANTY WIND SPEED GREATER THAN 90MPH IS SPECIFIED, CARLISLE FASTENERS AND SEAM FASTENING PLATES SHALL NOT EXCEED 6" (152mm) ON CENTER FOR ADHERED MEMBRANE ASSEMBLIES.



NOTES:

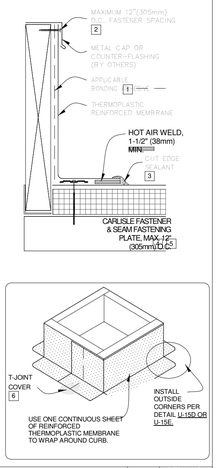
1. WHEN CARLISLE EXPANSION JOINT SUPPORT IS USED, WIDTH OF JOINT SHALL BE A MINIMUM OF 3/4" (19mm) AND SHALL NOT EXCEED 3" (75mm).
2. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF SURE-FLEX PVC MEMBRANE.
3. MEMBRANE FLASHING SHALL NOT BE ADHERED OVER THE EXPANSION JOINT SUPPORT OR SPONGE TUBING.
4. ON MECHANICALLY FASTENED SYSTEMS, HP-X FASTENERS AND PIRANHA PLATES OR HP-XTRA FASTENERS AND PIRANHA XTRA PLATES ARE REQUIRED OVER STEEL AND WOOD DECKS. ON CONCRETE DECKS, CD-10 OR HD 14-10 FASTENERS ARE USED WITH PIRANHA PLATES.

THERMOPLASTIC/REINFORCED MEMBRANE / APPROVED INSULATION / SEE NOTE(S)

DECK-TO-WALL EXPANSION DETAIL — For additional information, refer to Specifications — DETAIL NO. U-3B — THERMOPLASTIC UNIVERSAL

© 2016 Carlisle SynTec a division of Carlisle Construction Materials Incorporated

THERMOPLASTIC MEMBRANE — PVC/TPO



NOTES:

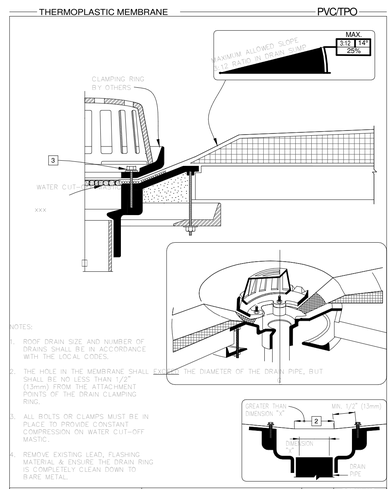
1. WHEN USING TPO MEMBRANE, BONDING ADHESIVE NOT REQUIRED WHEN THE FLASHING HEIGHT IS 12" (305mm) OR LESS AND THE MEMBRANE IS FASTENED "AS SHOWN" ON TOP OF THE CURB. WHEN CARLISLE TERMINATION BAR IS USED BENEATH THE COUNTER-FLASHING, BONDING ADHESIVE CAN BE ELIMINATED WHEN THE MEMBRANE HEIGHT IS 18" (457mm) OR LESS.
2. WHEN MECHANICAL FASTENERS ARE USED TO PENETRATE THE METAL COUNTER-FLASHING, USE EPDM WASHERS, APPLY WATER CUT-OFF MASTIC UNDER THE COUNTER-FLASHING OR CAULK THE FASTENER HEADS.
3. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF SURE-FLEX PVC MEMBRANE.
4. REFER TO CARLISLE SPECIFICATIONS FOR ACCEPTABLE CARLISLE FASTENERS AND PLATES.
5. MECHANICAL SECUREMENT MAY BE INSTALLED INTO THE VERTICAL SUBSTRATE.
6. WHEN USING 60 OR 80 MIL THICK CURB FLASHING, THE INTERSECTIONS BETWEEN SPLICES MUST OVERLAID WITH A THERMOPLASTIC "T-JOINT" COVER.

THERMOPLASTIC/REINFORCED MEMBRANE / APPROVED INSULATION / SEE NOTE(S)

CURB FLASHING — For additional information, refer to Specifications — DETAIL NO. U-5A — THERMOPLASTIC UNIVERSAL

© 2016 Carlisle SynTec a division of Carlisle Construction Materials Incorporated

THERMOPLASTIC MEMBRANE — PVC/TPO



NOTES:

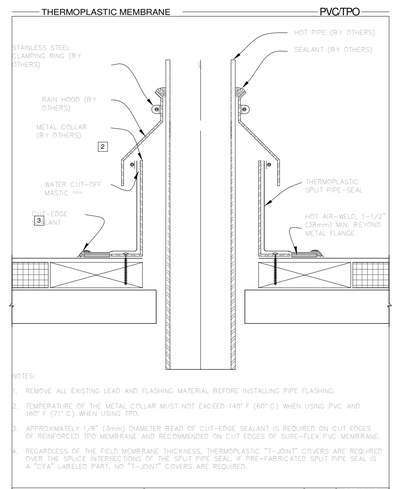
1. ROOF DRAIN SIZE AND NUMBER OF DRAINS SHALL BE IN ACCORDANCE WITH THE LOCAL CODES.
2. THE HOLE IN THE MEMBRANE SHALL EXCEED THE DIAMETER OF THE DRAIN PIPE, BUT SHALL BE NO LESS THAN 1/2" (13mm) FROM THE ATTACHMENT POINTS OF THE DRAIN CLAMPING RING.
3. ALL BOLTS OR CLAMPS MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON WATER CUT-OFF MASTIC.
4. REMOVE EXISTING LEAD, FLASHING MATERIAL AND WELDS THAN DRAIN RING IS COMPLETELY CLEAN DOWN TO BARE METAL.

THERMOPLASTIC/REINFORCED MEMBRANE / APPROVED INSULATION / SEE NOTE(S)

ROOF DRAIN (DRAIN SUMP UP TO 3 INCHES TO 1 HORIZONTAL FOOT) — For additional information, refer to Specifications — DETAIL NO. U-6A — THERMOPLASTIC UNIVERSAL

© 2016 Carlisle SynTec a division of Carlisle Construction Materials Incorporated

THERMOPLASTIC MEMBRANE — PVC/TPO



NOTES:

1. REMOVE ALL EXISTING LEAD AND FLASHING MATERIAL BEFORE INSTALLING PIPE FLASHING.
2. TEMPERATURE OF THE METAL COLLAR MUST NOT EXCEED 140° F (60° C) WHEN USING PVC AND 160° F (71° C) WHEN USING TPO.
3. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF SURE-FLEX PVC MEMBRANE.
4. REGARDLESS OF THE FIELD MEMBRANE THICKNESS, THERMOPLASTIC "T-JOINT" COVERS ARE REQUIRED OVER THE SPLICE INTERSECTIONS OF THE SPLIT PIPE SEAL. IF PRE-FABRICATED SPLIT PIPE SEAL IS A "CFA" LABELED PART, NO "T-JOINT" COVERS ARE REQUIRED.

THERMOPLASTIC/REINFORCED MEMBRANE / APPROVED INSULATION / SEE NOTE(S)

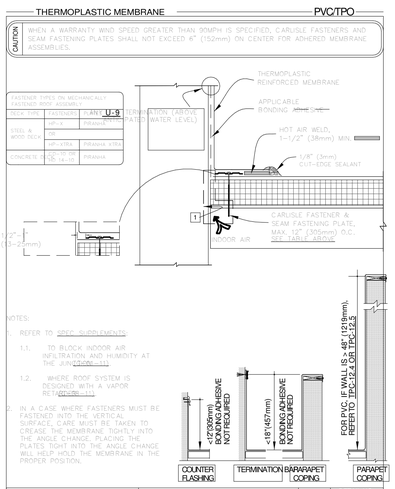
HOT PIPE FLASHING — For additional information, refer to Specifications — DETAIL NO. U-8F — THERMOPLASTIC UNIVERSAL

© 2016 Carlisle SynTec a division of Carlisle Construction Materials Incorporated

THERMOPLASTIC MEMBRANE — PVC/TPO

CAUTION: WHEN A WARRANTY WIND SPEED GREATER THAN 90MPH IS SPECIFIED, CARLISLE FASTENERS AND SEAM FASTENING PLATES SHALL NOT EXCEED 6" (152mm) ON CENTER FOR ADHERED MEMBRANE ASSEMBLIES.

FASTENER TYPES ON MECHANICALLY FASTENED ROOF ASSEMBLY		
DECK TYPE	FASTENER	PLATE
STEEL & WOOD DECK	HP-X	PIRANHA
	CD	
	HP-XTRA	PIRANHA XTRA
CONCRETE	CD-10 / HD-14-10	PIRANHA



NOTES:

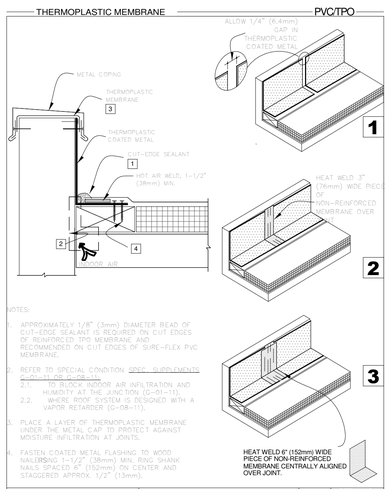
1. REFER TO SPEC SUPPLEMENTS
   1.1. TO BLOCK INDOOR AIR INFILTRATION AND HUMIDITY AT THE ATTACHMENT.
   1.2. WHERE ROOF SYSTEM IS DESIGNED WITH A VAPOR RETARDER.
2. IN A CASE WHERE FASTENERS MUST BE FASTENED INTO THE VERTICAL SURFACE, CARE MUST BE TAKEN TO CREASE THE MEMBRANE TIGHTLY INTO THE ANGLE CHANGE, PLACING THE PLATES TIGHT INTO THE ANGLE CHANGE WILL HELP HOLD THE MEMBRANE IN THE PROPER POSITION.

THERMOPLASTIC/REINFORCED MEMBRANE / APPROVED INSULATION / SEE NOTE(S)

PARAPET FLASHING — For additional information, refer to Specifications — DETAIL NO. U-12A — THERMOPLASTIC UNIVERSAL

© 2016 Carlisle SynTec a division of Carlisle Construction Materials Incorporated

THERMOPLASTIC MEMBRANE — PVC/TPO



NOTES:

1. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF SURE-FLEX PVC MEMBRANE.
2. REFER TO SPECIAL CONDITION SPEC SUPPLEMENTS
   2.1. TO BLOCK INDOOR AIR INFILTRATION AND HUMIDITY AT THE JUNCTION (G-08-11).
   2.2. WHERE ROOF SYSTEM IS DESIGNED WITH A VAPOR RETARDER (G-08-11).
3. PLACE A LAYER OF THERMOPLASTIC MEMBRANE UNDER THE METAL CAP TO PROTECT AGAINST MOISTURE INFILTRATION AT JOINTS.
4. FASTEN COATED METAL FLASHING TO WOOD NAILERS USING 1-1/2" (38mm) MIN. RING SHANK NAILS SPACED 6" (152mm) ON CENTER AND STAGGERED APPROX. 1/2" (13mm).

THERMOPLASTIC/REINFORCED MEMBRANE / APPROVED INSULATION / SEE NOTE(S)

COATED METAL WALL FLASHING — For additional information, refer to Specifications — DETAIL NO. U-12C — THERMOPLASTIC UNIVERSAL

© 2016 Carlisle SynTec a division of Carlisle Construction Materials Incorporated

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC — REGISTERED ARCHITECTURAL COMPANY 52411 — NORTH CAROLINA — RALEIGH, N.C.

FRANK T. MURPHY — REGISTERED ARCHITECT 5249 — NORTH CAROLINA — RALEIGH, N.C. — 09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: MLA
checked by: FTM
project no: 25-104

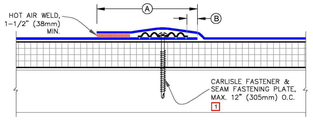
TPO ROOFING DETAILS

G411

9/18/2026 10:35:03 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

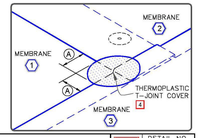
THERMOPLASTIC MEMBRANE — PVC/TPO



NOTES:

1. ON MECHANICALLY FASTENED SYSTEMS, HP-X FASTENERS AND PIRANHA PLATES OR HP-XTRA FASTENERS AND PIRANHA XTRA PLATES ARE REQUIRED OVER STEEL AND WOOD DECKS. ON CONCRETE DECKS, CD-10 OR HD 14-10 FASTENERS ARE USED WITH PIRANHA PLATES.
2. POSITION SEAM FASTENING PLATES BEYOND NON-REINFORCED ENCAPSULATED EDGE.
3. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF SURE-FLEX PVC MEMBRANE.
4. WHEN USING 60 OR 80-MIL MEMBRANE, APPLY A 4-1/2" (114mm) DIAMETER THERMOPLASTIC T-JOINT COVER AT ALL FIELD SPLICE INTERSECTIONS.

DIMENSIONS	mm	
A 5-1/2"	140	APPROX.
B 1/2"	13	APPROX.



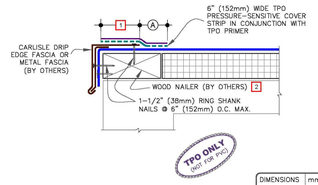
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — SEE NOTE(S)

MECHANICALLY FASTENED MEMBRANE SPLICE — For additional information, refer to Specifications — DETAIL NO. MF-2A — THERMOPLASTIC UNIVERSAL

© 2012 Carlisle SynTec, a division Of Carlisle Construction Materials Incorporated SHEET 03

THERMOPLASTIC MEMBRANE — TPO

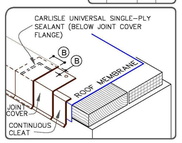
CAUTION: DETAIL NOT FOR USE ON 25 OR 30-YEAR WARRANTY PROJECTS. ACCEPTABLE EDGING SHALL CONFORM WITH THERMOPLASTIC UNIVERSAL DETAILS U-18, U-1C, U-1D, U-1E OR U-1F.



NOTES:

1. METAL FASCIA DECK FLANGE MUST BE TOTALLY COVERED BY TPO PRESSURE-SENSITIVE COVER STRIP WITH MINIMUM 2" (51mm) COVERAGE PAST NAIL HEADS.
2. WOOD NAILER MUST EXTEND PAST TOTAL WIDTH OF METAL FASCIA DECK FLANGE.
3. TO REMOVE FINISHING OILS, SCRUB METAL FLANGE WITH WEATHERED MEMBRANE CLEANER; ALLOW TO DRY PRIOR TO APPLYING TPO PRIMER.
4. APPLY TPO PRIMER TO METAL FLANGE AND MEMBRANE SURFACE PRIOR TO INSTALLING TPO PRESSURE-SENSITIVE COVER STRIP.
5. WHEN METAL FASCIA BY OTHERS IS USED, FASTENER TYPE AND FASTENING FREQUENCY SHALL BE RECOMMENDED BY METAL EDGE MANUFACTURER.
6. TO ENSURE TPO PRESSURE-SENSITIVE COVER STRIP CONFORMS TO STEP-OFFS, HEAT COVER STRIP AT SPLICE INTERSECTIONS PRIOR TO ROLLING.

DIMENSIONS	mm	
A 2"	51	MIN.
B 1/2"	13	TO
1"	25	

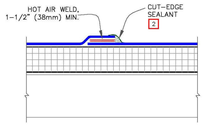


TPO MEMBRANE — APPROVED SUBSTRATE — SEE NOTE(S)

SecurSeal DRIP EDGE FASCIA — For additional information, refer to Specifications — DETAIL NO. U-1A — THERMOPLASTIC TPO

© 2012 Carlisle SynTec, a division Of Carlisle Construction Materials Incorporated SHEET 06

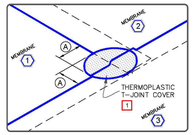
THERMOPLASTIC MEMBRANE — PVC/TPO



NOTE:

1. WHEN USING 60 OR 80-MIL MEMBRANE, APPLY A 4-1/2" (114mm) DIAMETER "T-JOINT" COVER AT ALL FIELD SPLICE INTERSECTIONS.
2. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF SURE-FLEX PVC MEMBRANE.

DIMENSIONS	mm	
A 2-1/4"	57	MIN.

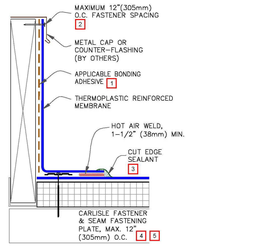


THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — SEE NOTE(S)

MEMBRANE SPLICE — For additional information, refer to Specifications — DETAIL NO. U-2 — THERMOPLASTIC UNIVERSAL

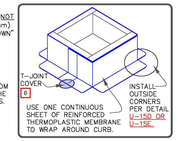
© 2012 Carlisle SynTec, a division Of Carlisle Construction Materials Incorporated SHEET 12

THERMOPLASTIC MEMBRANE — PVC/TPO



NOTES:

1. WHEN USING TPO MEMBRANE, BONDING ADHESIVE IS NOT REQUIRED WHEN THE FLASHING HEIGHT IS 12" (305mm) OR LESS AND THE MEMBRANE IS FASTENED "AS SHOWN" ON TOP OF THE CURB. WHEN CARLISLE TERMINATION BAR IS USED BENEATH THE COUNTER-FLASHING, BONDING ADHESIVE CAN BE ELIMINATED WHEN THE MEMBRANE HEIGHT IS 18" (457mm) OR LESS.
2. WHEN MECHANICAL FASTENERS ARE USED TO PENETRATE THE METAL COUNTER-FLASHING, USE EPDM WASHERS, APPLY WATER CUT-OFF MASTIC UNDER THE COUNTER-FLASHING OR CAULK THE FASTENER HEADS.
3. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF SURE-FLEX PVC MEMBRANE.
4. REFER TO CARLISLE SPECIFICATIONS FOR ACCEPTABLE CARLISLE FASTENER AND PLATE.
5. MECHANICAL SECUREMENT MAY BE INSTALLED INTO THE VERTICAL SUBSTRATE.
6. WHEN USING 60 OR 80 MIL THICK CURB FLASHING, THE INTERSECTIONS BETWEEN SPLICES MUST BE OVERLAID WITH A THERMOPLASTIC "T-JOINT" COVER.

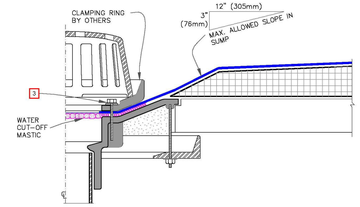


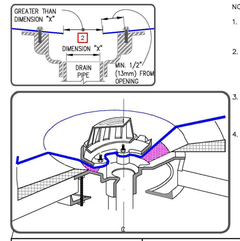
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — SEE NOTE(S)

CURB FLASHING — For additional information, refer to Specifications — DETAIL NO. U-5A — THERMOPLASTIC UNIVERSAL

© 2012 Carlisle SynTec, a division Of Carlisle Construction Materials Incorporated SHEET 15

THERMOPLASTIC MEMBRANE — PVC/TPO





NOTES:

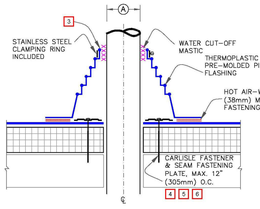
1. ROOF DRAIN SIZE AND NUMBER OF DRAINS SHALL BE IN ACCORDANCE WITH THE LOCAL CODES.
2. THE HOLE IN THE MEMBRANE SHALL EXCEED THE DIAMETER OF THE DRAIN PIPE, BUT SHALL BE NO LESS THAN 1/2" (13mm) FROM THE ATTACHMENT POINTS OF THE DRAIN CLAMPING RING.
3. ALL BOLTS OR CLAMPS MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON WATER CUT-OFF MASTIC.
4. REMOVE EXISTING LEAD, FLASHING MATERIAL & ENSURE THE DRAIN RING IS COMPLETELY CLEAN DOWN TO BARE METAL.

THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — SEE NOTE(S)

ROOF DRAIN (DRAIN SUMP UP TO 3 INCHES TO 1 HORIZONTAL FOOT) — For additional information, refer to Specifications — DETAIL NO. U-6A — THERMOPLASTIC UNIVERSAL

© 2012 Carlisle SynTec, a division Of Carlisle Construction Materials Incorporated SHEET 18

THERMOPLASTIC MEMBRANE — PVC/TPO



DIMENSIONS	mm	
A 3/4"	19	TO
8"	203	

NOTES:

1. REMOVE ALL EXISTING LEAD AND FLASHING MATERIAL BEFORE INSTALLING PRE-MOLDED PIPE FLASHING.
2. TEMPERATURE OF THE PIPE PENETRATION MUST NOT EXCEED 140°F (60°C) WHEN USING PVC AND 160°F (71°C) WHEN USING TPO FLASHING.
3. PIPE SEAL MUST HAVE INTACT RIB AT TOP EDGE, REGARDLESS OF PIPE DIAMETER.
4. INSTALL A MINIMUM OF 4 FASTENERS AND PLATES AROUND THE PIPE, EQUALLY SPACED. IF FASTENERS AND PLATES CANNOT BE INSTALLED AS SHOWN, THEY MAY ALSO BE POSITIONED OUTSIDE THE PIPE MAXIMUM 12" (305mm) O.C. AND FLASHED WITH THERMOPLASTIC REINFORCED MEMBRANE/CUT-EDGE SEALANT. REFER TO DETAIL U-8B.
5. FASTENERS AND PLATES ARE NOT REQUIRED ON ADHERED SYSTEMS UNLESS PIPE DIAMETER EXCEEDS 18" (457mm).
6. ON MECHANICALLY FASTENED SYSTEMS, HP-X FASTENERS AND PIRANHA PLATES OR HP-XTRA FASTENERS AND PIRANHA XTRA PLATES ARE REQUIRED OVER STEEL AND WOOD DECKS. ON CONCRETE DECKS, CD-10 OR HD 14-10 FASTENERS ARE USED WITH PIRANHA PLATES.

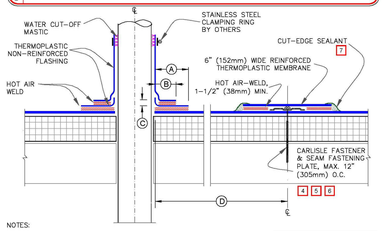
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — SEE NOTE(S)

PRE-MOLDED PIPE FLASHING — For additional information, refer to Specifications — DETAIL NO. U-8A — THERMOPLASTIC UNIVERSAL

© 2012 Carlisle SynTec, a division Of Carlisle Construction Materials Incorporated SHEET 20

THERMOPLASTIC MEMBRANE — PVC/TPO

CAUTION: DETAIL NOT FOR USE ON 25 OR 30-YEAR WARRANTY PROJECTS. PRE-FABRICATED/PRE-MOLDED ACCESSORIES MUST BE UTILIZED. ACCEPTABLE PIPE FLASHINGS SHALL CONFORM WITH THERMOPLASTIC UNIVERSAL DETAILS U-8A, 8C OR 8D.



NOTES:

1. REMOVE ALL EXISTING LEAD AND FLASHING MATERIAL BEFORE INSTALLING FIELD FABRICATED PIPE FLASHING.
2. TEMPERATURE OF THE PIPE PENETRATION MUST NOT EXCEED 140°F (60°C) WHEN USING PVC AND 160°F (71°C) WHEN USING TPO FLASHING.
3. THERMOPLASTIC NON-REINFORCED FLASHING WRAPPED AROUND PIPE SHALL HAVE MINIMUM 1-1/2" (38mm) VERTICAL HOT AIR WELD.
4. INSTALL A MINIMUM OF 4 SEAM FASTENING PLATES FOR PIPES WITH A DIAMETER UP TO 6" (152mm). ADDITIONAL SEAM FASTENING PLATES WILL BE REQUIRED FOR PIPES GREATER THAN 6" (152mm) IN DIAMETER AND SHALL BE SPACED 12" (305mm) ON CENTER MAXIMUM.
5. FASTENERS/PLATES ARE NOT REQUIRED ON ADHERED SYSTEMS UNLESS PIPE DIAMETER EXCEEDS 18" (500mm).
6. ON MECHANICALLY FASTENED SYSTEMS, HP-X FASTENERS AND PIRANHA PLATES OR HP-XTRA FASTENERS AND PIRANHA XTRA PLATES ARE REQUIRED OVER STEEL AND WOOD DECKS. ON CONCRETE DECKS, CD-10 OR HD 14-10 FASTENERS ARE USED WITH PIRANHA PLATES.
7. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF SURE-FLEX PVC MEMBRANE.

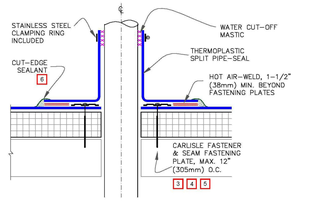
DIMENSIONS	mm	
A 1-1/2"	38	TO
2"	51	
B 1"	25	MIN.
C 1/2"	13	MIN.
D 12"	305	APPROX.

THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — SEE NOTE(S)

FIELD FABRICATED PIPE FLASHING — For additional information, refer to Specifications — DETAIL NO. U-8B — THERMOPLASTIC UNIVERSAL

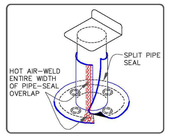
© 2012 Carlisle SynTec, a division Of Carlisle Construction Materials Incorporated SHEET 23

THERMOPLASTIC MEMBRANE — PVC/TPO



NOTES:

1. REMOVE ALL EXISTING LEAD AND FLASHING MATERIAL BEFORE INSTALLING SPLIT PIPE FLASHING.
2. TEMPERATURE OF THE PIPE PENETRATION MUST NOT EXCEED 140°F (60°C) WHEN USING PVC AND 160°F (71°C) WHEN USING TPO FLASHING.
3. INSTALL A MINIMUM OF 4 FASTENERS AND PLATES AROUND THE PIPE, EQUALLY SPACED. IF FASTENERS AND PLATES CANNOT BE INSTALLED AS SHOWN, THEY MAY ALSO BE POSITIONED OUTSIDE THE PIPE MAXIMUM 12" (305mm) O.C. AND FLASHED WITH THERMOPLASTIC REINFORCED MEMBRANE/CUT-EDGE SEALANT. REFER TO DETAIL U-8B.
4. FASTENERS AND PLATES ARE NOT REQUIRED ON ADHERED SYSTEMS UNLESS PIPE DIAMETER EXCEEDS 18" (457mm).
5. ON MECHANICALLY FASTENED SYSTEMS, HP-X FASTENERS AND PIRANHA PLATES OR HP-XTRA FASTENERS AND PIRANHA XTRA PLATES ARE REQUIRED OVER STEEL AND WOOD DECKS. ON CONCRETE DECKS, CD-10 OR HD 14-10 FASTENERS ARE USED WITH PIRANHA PLATES.
6. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF SURE-FLEX PVC MEMBRANE.
7. REGARDLESS OF THE FIELD MEMBRANE THICKNESS, THERMOPLASTIC "T-JOINT" COVERS ARE REQUIRED OVER THE SPLICE INTERSECTIONS OF THE SPLIT PIPE SEAL.



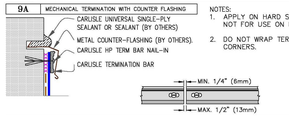
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — SEE NOTE(S)

PRE-FABRICATED SPLIT PIPE SEAL — For additional information, refer to Specifications — DETAIL NO. U-8D — THERMOPLASTIC UNIVERSAL

© 2012 Carlisle SynTec, a division Of Carlisle Construction Materials Incorporated SHEET 25

THERMOPLASTIC MEMBRANE — PVC/TPO

9A MECHANICAL TERMINATION WITH COUNTER FLASHING



NOTES:

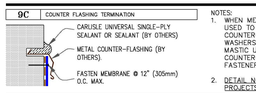
1. APPLY ON HARD SMOOTH SURFACE ONLY; NOT FOR USE ON EXPOSED WOOD.
2. DO NOT WRAP TERMINATION BAR AROUND CORNERS.

9B SHEET METAL COPING (BY OTHERS)

NOTES:

1. FOR CARLISLE SecurEdge COPING, REFER TO INSTALLATION INSTRUCTIONS PUBLISHED SEPARATELY.
2. MEMBRANE MUST BE EXTENDED TO CORNERS TO PROVIDE COMPLETE COVERAGE OF THE TOP WALL SURFACE.

9C COUNTER FLASHING TERMINATION



NOTES:

1. WHEN MECHANICAL FASTENERS ARE USED TO PENETRATE THE METAL COUNTER-FLASHING, USE EPDM WASHERS, APPLY WATER CUT-OFF MASTIC UNDER THE COUNTER-FLASHING OR CAULK THE FASTENER HEADS.
2. DETAIL NOT FOR USE ON WARRANTY PROJECTS EXCEEDING 10-YEARS.

9D MECHANICAL TERMINATION

NOTES:

1. APPLY ON HARD SMOOTH SURFACE ONLY; NOT FOR USE ON EXPOSED WOOD.
2. DO NOT WRAP COMPRESSION TERMINATION BAR AROUND CORNERS.
3. DETAIL NOT FOR USE ON WARRANTY PROJECTS EXCEEDING 20-YEARS.

APPLICABLE BONDING ADHESIVE — XXXXXXXXX WATER CUT-OFF MASTIC- MUST BE HELD UNDER CONSTANT COMPRESSION.

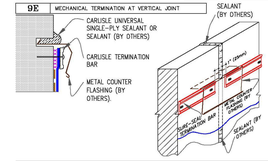
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — SEE NOTE(S)

MEMBRANE TERMINATIONS PAGE 1 OF 2 — For additional information, refer to Specifications — DETAIL NO. U-9 — THERMOPLASTIC UNIVERSAL

© 2012 Carlisle SynTec, a division Of Carlisle Construction Materials Incorporated SHEET 27

THERMOPLASTIC MEMBRANE — PVC/TPO

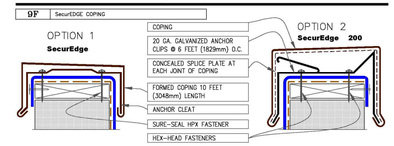
9E MECHANICAL TERMINATION AT VERTICAL JOINT



NOTES:

1. APPLY ON HARD SMOOTH SURFACE ONLY.
2. DO NOT WRAP COMPRESSION TERMINATION BAR AROUND CORNERS.
3. VERTICAL JOINTS IN THE PRE-CAST PANEL AS WELL AS ALL GAPS AT THE JUNCTION OF THE TILT-UP PANEL AND ROOF DECK MUST BE FULLY SEALED TO PREVENT AIR INFILTRATION.
4. CONTINUOUS COUNTER FLASHING REQUIRED FOR WARRANTY PROJECTS EXCEEDING 20-YEARS.

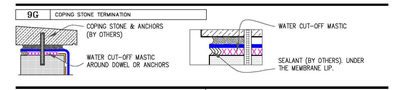
9F SecurEDGE COPING



NOTE:

1. MEMBRANE SHOULD BE EXTENDED AT CORNERS TO PROVIDE COMPLETE COVERAGE OF THE TOP WALL SURFACE. REFER TO DETAIL U-9B.
2. REFER TO SecurEdge COPING INSTALLATION INSTRUCTION MANUAL FOR STEP-BY-STEP INSTRUCTION PROCEDURES.

9G COPING STONE TERMINATION



APPLICABLE BONDING ADHESIVE — XXXXXXXXX WATER CUT-OFF MASTIC- MUST BE HELD UNDER CONSTANT COMPRESSION.

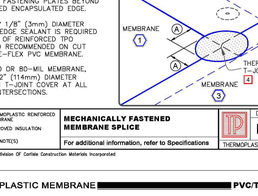
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — SEE NOTE(S)

MEMBRANE TERMINATIONS PAGE 2 OF 2 — For additional information, refer to Specifications — DETAIL NO. U-9.1 — THERMOPLASTIC UNIVERSAL

© 2012 Carlisle SynTec, a division Of Carlisle Construction Materials Incorporated SHEET 28

THERMOPLASTIC MEMBRANE — PVC/TPO

CAUTION: WHEN A WARRANTY WIND SPEED GREATER THAN 90MPH IS SPECIFIED, CARLISLE FASTENERS AND SEAM FASTENING PLATES SHALL NOT EXCEED 6" (152mm) ON CENTER FOR ADHERED MEMBRANE ASSEMBLIES.



NOTES:

1. POSITION FASTENING PLATES 1/2" (13mm) TO 1" (25mm) FROM EDGE OF DECK MEMBRANE.
2. REFER TO SPECIAL CONDITION SPEC. SUPPLEMENTS G-01-11 OR G-08-11:
   2.1. TO BLOCK INDOOR AIR INFILTRATION AND HUMIDITY AT THE JUNCTION (G-01-11).
   2.2. WHERE ROOF SYSTEM IS DESIGNED WITH A VAPOR RETARDER (G-08-11).
3. ON MECHANICALLY FASTENED SYSTEMS, HP-X FASTENERS AND PIRANHA PLATES OR HP-XTRA FASTENERS AND PIRANHA XTRA PLATES ARE REQUIRED OVER STEEL AND WOOD DECKS. ON CONCRETE DECKS, CD-10 OR HD 14-10 FASTENERS ARE USED WITH PIRANHA PLATES.
4. WHEN USING TPO MEMBRANE, BONDING ADHESIVE IS NOT REQUIRED WHEN THE FLASHING HEIGHT IS 12" (305mm) AND COUNTERFLASHING IS USED FOR TERMINATION. WHEN COPING OR CARLISLE TERMINATION BAR IS USED, BONDING ADHESIVE MAY BE ELIMINATED WHEN THE FLASHING HEIGHT IS 18" (457mm) OR LESS.
5. IN A CASE WHERE FASTENERS MUST BE FASTENED INTO THE VERTICAL SURFACE, CARE MUST BE TAKEN TO CREASE THE MEMBRANE TIGHTLY INTO THE ANGLE CHANGE. PLACING THE PLATES TIGHT INTO THE ANGLE CHANGE WILL HELP HOLD THE MEMBRANE IN THE PROPER POSITION.
6. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF SURE-FLEX PVC MEMBRANE.
7. WHEN PARAPET WALL HEIGHT EXCEEDS 48" (1219mm), REFER TO DETAILS U-12D OR U-12E FOR ADDITIONAL REQUIREMENTS WHEN USING PVC MEMBRANE ONLY.

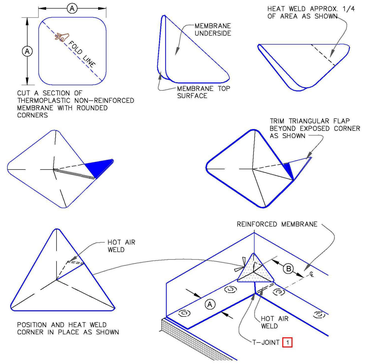
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — SEE NOTE(S)

PARAPET FLASHING — For additional information, refer to Specifications — DETAIL NO. U-12A — THERMOPLASTIC UNIVERSAL

© 2012 Carlisle SynTec, a division Of Carlisle Construction Materials Incorporated SHEET 39

THERMOPLASTIC MEMBRANE — PVC/TPO

CAUTION: DETAIL NOT FOR USE ON 25 OR 30-YEAR WARRANTY PROJECTS, PRE-FABRICATED/PRE-MOLDED ACCESSORIES MUST BE UTILIZED. ACCEPTABLE FLASHING SHALL CONFORM WITH THERMOPLASTIC UNIVERSAL DETAIL U-15A.



DIMENSIONS	mm	
A 6"	152	APPROX.
B 6"-9"	152-229	

NOTES:

1. WHEN USING 60 OR 80-MIL MEMBRANE, APPLY A 4 1/2" (114mm) DIAMETER "T-JOINT" COVER AT ALL FIELD SPLICE INTERSECTIONS.

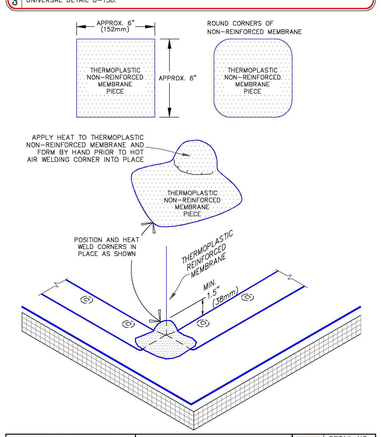
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — SEE NOTE(S)

FIELD FABRICATED INSIDE CORNER FLASHING — For additional information, refer to Specifications — DETAIL NO. U-15B — THERMOPLASTIC UNIVERSAL

© 2012 Carlisle SynTec, a division Of Carlisle Construction Materials Incorporated SHEET 43

THERMOPLASTIC MEMBRANE — PVC/TPO

CAUTION: DETAIL NOT FOR USE ON 25 OR 30-YEAR WARRANTY PROJECTS, PRE-FABRICATED/PRE-MOLDED ACCESSORIES MUST BE UTILIZED. ACCEPTABLE FLASHING SHALL CONFORM WITH THERMOPLASTIC UNIVERSAL DETAIL U-15D.



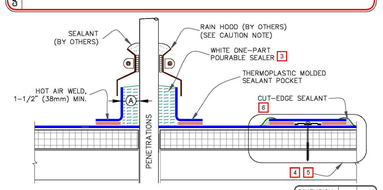
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — SEE NOTE(S)

FIELD FABRICATED OUTSIDE CORNER FLASHING — For additional information, refer to Specifications — DETAIL NO. U-15E — THERMOPLASTIC UNIVERSAL

© 2012 Carlisle SynTec, a division Of Carlisle Construction Materials Incorporated SHEET 46

THERMOPLASTIC MEMBRANE — PVC/TPO

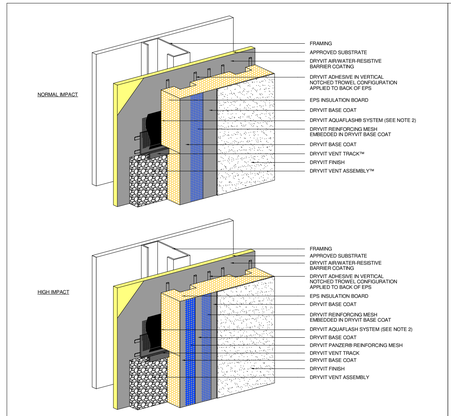
CAUTION: MOLDED SEALANT POCKETS MUST BE USED IN CONJUNCTION WITH RAIN HOODS FOR PROJECTS WITH 25 AND 30-YEAR WARRANTIES.



NOTES:

1. TEMPERATURE OF PIPE MUST NOT EXCEED 160° F (71° C).
2. WHEN USING TPO MOLDED SEALANT POCKET, TPO PRIMER MUST BE APPLIED TO ALL INSIDE SURFACES AND PENETRATIONS PRIOR TO FILLING WITH SEALANT.
3. FILL POCKET COMPLETELY WITH WHITE ONE-PART POURABLE SEALER UNTIL RIM IS COVERED WITH SEALANT; ENSURE ALL VOIDS ARE FILLED.
4. ON MECHANICALLY-FASTENED SYSTEMS, INSTALL A MINIMUM OF 4 FASTENING PLATES AROUND SEALANT POCKETS WITH A DIAMETER UP TO 6" (152mm). ADDITIONAL FASTENING PLATES WILL BE REQUIRED FOR SEALANT POCKETS GREATER THAN 6" IN DIAMETER AND SHALL BE SPACED 12" (305mm) ON CENTER MAXIMUM. FASTENERS/PLATES ARE NOT REQUIRED ON ADHERED SYSTEMS UNLESS SEALANT POCKET DIAMETER EXCEEDS 12" (305mm).
5. REFER TO CARLISLE SPECIFICATIONS FOR PROPER FASTENERS AND PLATES.
6. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF SURE-FLEX PVC MEMBRANE.

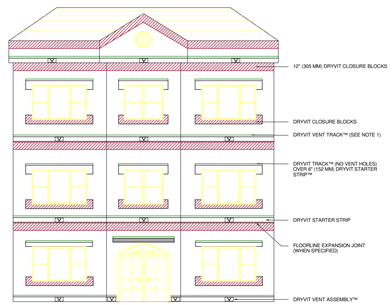
| DIMENSION



OMD 0.0.01 — Outsulation MD System

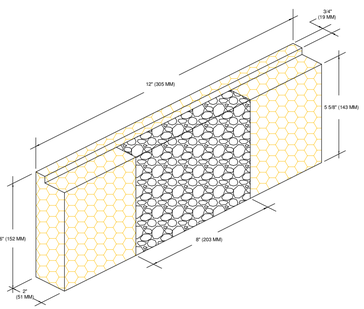
NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZERI® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ OR DRYVIT BACKSTOP® NT™ TEXTURE OVER DRYVIT GRID TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.

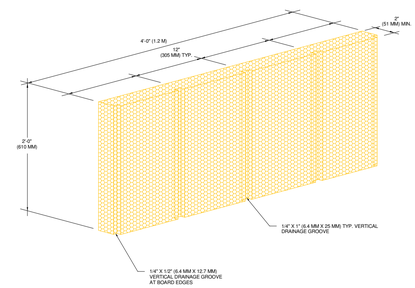


OMD 0.0.02 — Building Facade

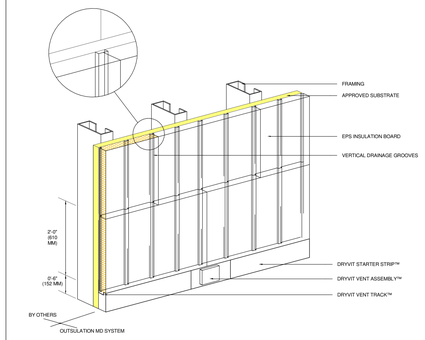
NOTE:
1. SLOT IN DRYVIT VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.



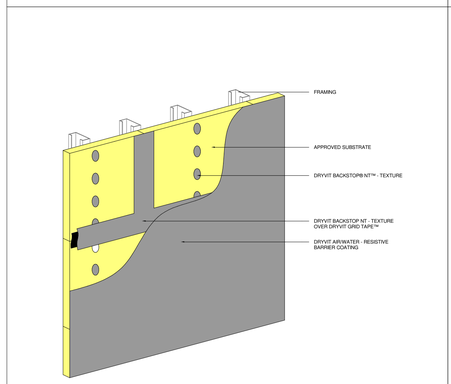
OMD 0.0.03 — Dryvit Vent Assembly™



OMD 0.0.04 — Insulation Board

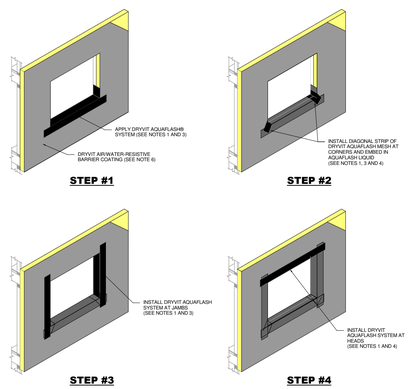


OMD 0.0.05 — Insulation Board Layout



OMD 0.0.06 — AWRB Application

NOTE:
1. FOR ADDITIONAL AIR/WATER- RESISTIVE BARRIER DETAILS, REFER TO DRYVIT PUBLICATION DSM40.



OMD 0.0.07 — Opening Preparation - AquaFlash® System Option

NOTE:
1. DRYVIT AQUAFLASH SHALL EXTEND TO INTERIOR FACE OF OPENING.

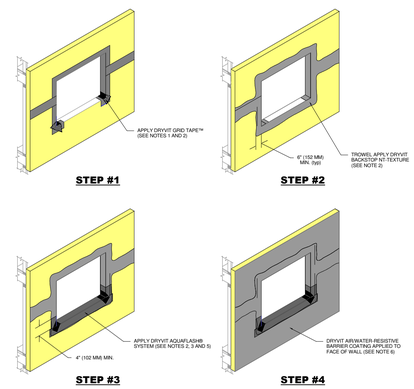
2. REFER TO HEAD, SILL AND JAMB DETAILS FOR FLASHING INTEGRATION.

3. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.

4. INSTALL WINDOW UNIT AND ASSOCIATED FLASHINGS PER MANUFACTURER'S RECOMMENDATIONS, CODE REQUIREMENTS AND PROJECT DOCUMENTS.
IN

5. AQUAFLASH SYSTEM CONSISTS OF AQUAFLASH MESH AND AQUAFLASH LIQUID.

6. FOR ADDITIONAL AIR/WATER- RESISTIVE BARRIER DETAILS, REFER TO DRYVIT PUBLICATION DSM40.



OMD 0.0.08 — Opening Preparation - Backstop® NT™ Option

NOTE:
1. APPLY DRYVIT GRID TAPE ON HEAD, JAMB, AND CORNERS OF OPENINGS AND SHEATHING JOINTS.

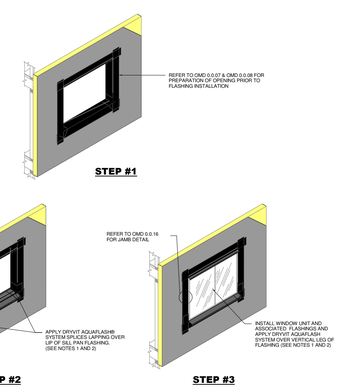
2. TROWEL APPLY DRYVIT BACKSTOP NT-TEXTURE OVER THE DRYVIT GRID TAPE ALL THE WAY TO INSIDE FACE OF OPENING. ALL VOIDS MUST BE FILLED; MULTIPLE PASSES MAY BE REQUIRED. AS AN OPTION, DRYVIT GRID TAPE AND DRYVIT BACKSTOP NT-TEXTURE MAY ALSO BE APPLIED AT THE SILL PRIOR TO DRYVIT AQUAFLASH SYSTEM OR FLASHING TAPE APPLICATION.

3. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM AT SILL, INCLUDING CORNER SPLICES.
IN

4. INSTALL WINDOW UNIT AND ASSOCIATED FLASHINGS PER MANUFACTURER'S RECOMMENDATIONS, CODE REQUIREMENTS AND PROJECT DOCUMENTS.

5. REFER TO HEAD, SILL, AND JAMB DETAILS FOR FLASHING INTEGRATION.

6. FOR ADDITIONAL AIR/WATER- RESISTIVE BARRIER DETAILS, REFER TO DRYVIT PUBLICATION DSM40.

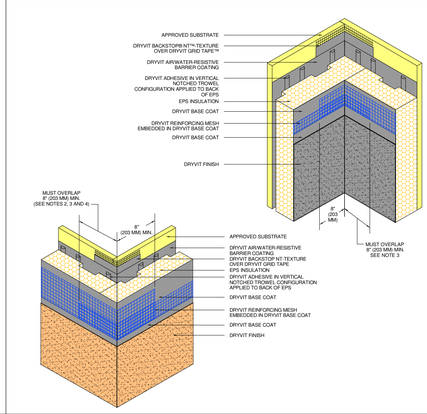


OMD 0.0.09 — Opening Flashing Integration

NOTE:
1. REFER TO OMD 0.0.16 FOR INTEGRATION OF FLASHING.

2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.

3. FOR ADDITIONAL AIR/WATER- RESISTIVE BARRIER DETAILS, REFER TO DRYVIT PUBLICATION DSM40.



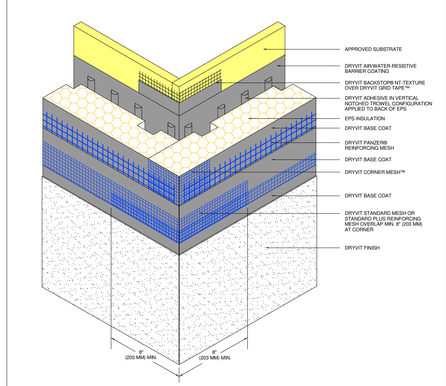
OMD 0.0.10 — Inside/Outside Corners

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZERI® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. DOUBLE WRAP OUTSIDE CORNERS WITH REINFORCING MESH OR USE CORNER MESH™
IN

3. DO NOT LAP REINFORCING MESH WITHIN 8" (203 MM) OF A CORNER.

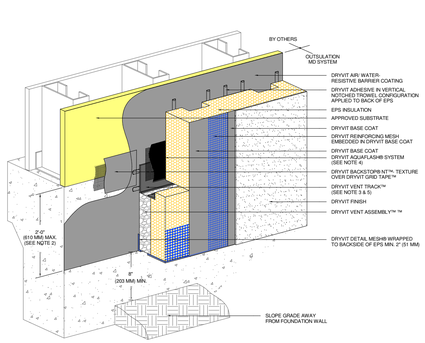
4. OUTSIDE INSULATION BOARD EDGES SHALL BE OFFSET.



OMD 0.0.11 — Outside Corner - High Impact

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZERI® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. OUTSIDE INSULATION BOARD EDGES SHALL BE OFFSET.



OMD 0.0.12 — Grade Termination

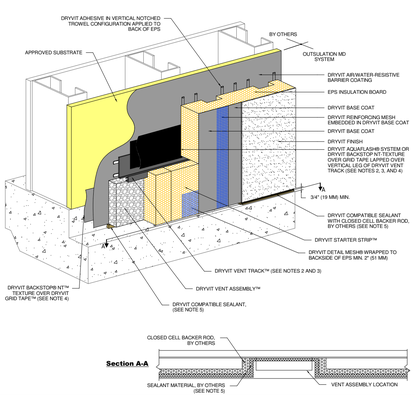
NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZERI® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. EXPANSION JOINT IS REQUIRED ALONG TOP OF FOUNDATION IF 2'-0" (610 MM) DIMENSION IS EXCEEDED.

3. SLOT IN VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.
IN

4. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™, OR DRYVIT BACKSTOP® NT-TEXTURE OVER GRID TAPE, MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.

5. LIGHTLY SAND SURFACE OF TRACK TO MAXIMIZE ADHESION.



OMD 0.0.13 — Termination At Concrete Curb

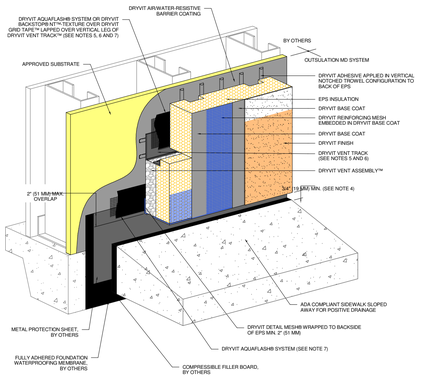
NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZERI® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. LIGHTLY SAND SURFACE OF DRYVIT VENT TRACK TO MAXIMIZE ADHESION.

3. SLOT IN VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.
IN

4. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM OR BACKSTOP NT-TEXTURE OVER GRID TAPE.

5. SEALANT SHALL TURN IN AT DRYVIT VENT ASSEMBLY LOCATIONS (SEE SECTION A-A) TO ALLOW FOR DRAINAGE.



OMD 0.0.14 — Termination At ADA Compliant Sidewalk

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZERI® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. USE OF THIS DETAIL IS LIMITED TO SLAB-ON-GRADE APPLICATIONS.

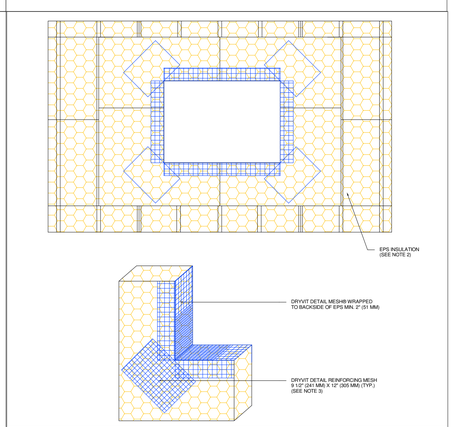
3. INCORPORATE MEASURES TO PROTECT STRUCTURE FROM MOISTURE INTRUSION, DAMPNESS, AND FROST HEAVE.
IN

4. TO PREVENT DEBRIS ACCUMULATION IT IS RECOMMENDED TO TERMINATE SYSTEM 2" (51MM) ABOVE SIDEWALK.

5. LIGHTLY SAND SURFACE OF DRYVIT VENT TRACK TO MAXIMIZE ADHESION.

6. SLOT IN DRYVIT VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.

7. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF AQUAFLASH SYSTEM OR BACKSTOP NT-TEXTURE OVER GRID TAPE.



OMD 0.0.15 — EPS Preparation At Wall Penetrations

NOTE:
1. LOCATE INSULATION BOARDS SUCH THAT BOARD EDGES DO NOT ALIGN WITH CORNERS OF PENETRATION.

2. APPLY A PIECE OF 9 1/2" (241 MM) X 12" (305 MM) DETAIL REINFORCING MESH DIAGONALLY AT EACH CORNER.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

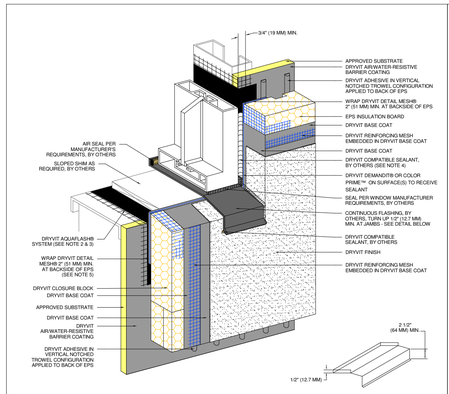
Revision	Date	Description

drawn by: MLA
checked by: FTM
project no: 25-104

EIFS DETAILS

G413

9/18/2026 10:35:11 AM



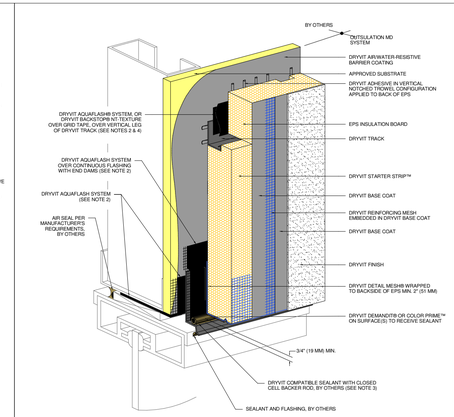
SILL PAN FLASHING DETAIL

OMD 0.0.16 — Storefront Window Sill - Jamb

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.
IN

3. EDGE WRAPPING METHOD IS ACCEPTABLE AT SILL AND JAMB IN LIEU OF BACK WRAPPING. DRYVIT REINFORCING MESH MUST BE FULLY EMBEDDED IN DRYVIT BASE COAT AT EPS EDGE AND MUST EXTEND ONTO SUBSTRATE 2" (51 MM) MIN.



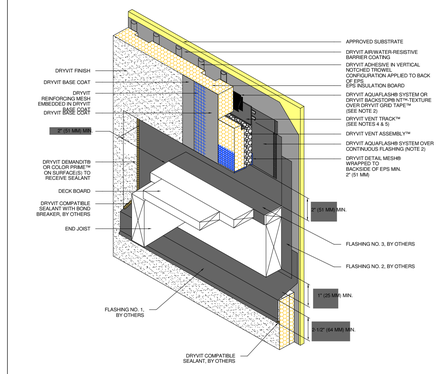
OMD 0.0.17 — Storefront Window Head

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.
IN

3. SEALANT SHALL NOT BE IN DIRECT CONTACT WITH ASPHALTIC ADHESIVE ON DRYVIT FLASHING TAPE. COVER DRYVIT FLASHING TAPE LAPS WITH POLYETHYLENE TAPE OR BACKER ROD.

4. LIGHTLY SAND SURFACE OF DRYVIT TRACK TO MAXIMIZE ADHESION.



OMD 0.0.18 — Termination at Wood Framed Deck

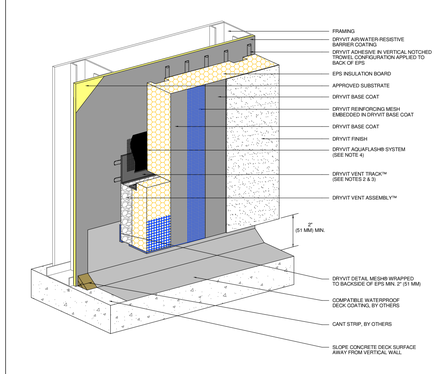
NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.
IN

3. DETAIL DOES NOT APPLY TO CANTILEVERED DECKS. CANTILEVERED DECKS REQUIRE JOB SPECIFIC FLASHING DETAILS.

4. SLOT IN DRYVIT VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.

5. LIGHTLY SAND SURFACE OF DRYVIT TRACK TO MAXIMIZE ADHESION.



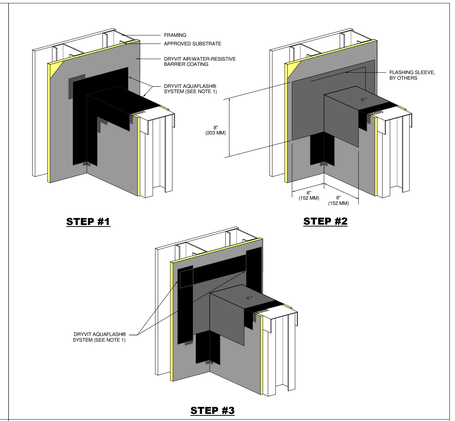
OMD 0.0.19 — Termination at Waterproof Deck

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. SLOT IN VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.

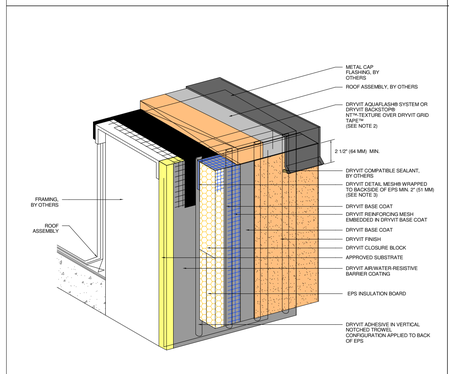
3. LIGHTLY SAND SURFACE OF DRYVIT TRACK TO MAXIMIZE ADHESION.
IN

4. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.



OMD 0.0.20 — Preparation At Parapet/ Wall Intersection

NOTE:
1. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.

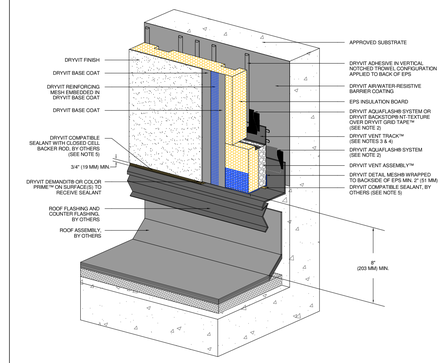


OMD 0.0.21 — Termination At Parapet - Cap Flashing

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM ON DRYVIT BACKSTOPR® NT TEXTURE OVER DRYVIT GRID TAPE.
IN

3. EDGE WRAPPING METHOD IS ACCEPTABLE IN LIEU OF BACK WRAPPING. DRYVIT REINFORCING MESH MUST BE FULLY EMBEDDED IN DRYVIT BASE COAT AT EPS EDGE AND EXTEND ONTO SUBSTRATE 2" (51 MM) MIN.



OMD 0.0.22 — Termination At Flat Roof - Solid Substrate

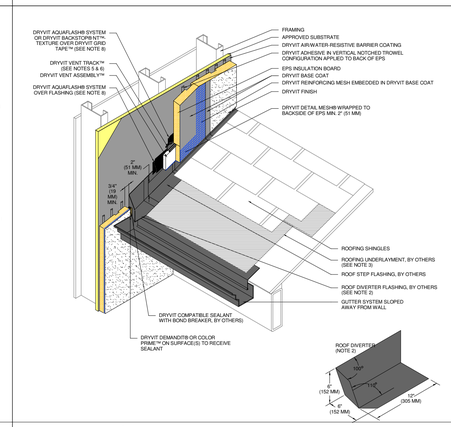
NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.
IN

3. SLOT IN DRYVIT VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.

4. LIGHTLY SAND SURFACE OF DRYVIT VENT TRACK TO MAXIMIZE ADHESION.

5. DETAIL OMD 0.0.13 SECTION A-A FOR SEALANT JOINT CONFIGURATION.



OMD 0.0.23 — Termination at Sloped Roof

NOTE:
1. EXTEND DIVERTER FLASHING (KICKOUT) A MINIMUM OF 1" (25 MM) BEYOND FACE OF THE SYSTEM.

2. ROOF DIVERTER TO BE MADE FROM CORROSION RESISTANT MATERIAL MIN. 24 GAGE WITH WATER TIGHT SEAMS.

3. EXTEND ROOFING UNDERLAYMENT 5" (127 MM) UP VERTICAL WALL BEHIND METAL FLASHING.

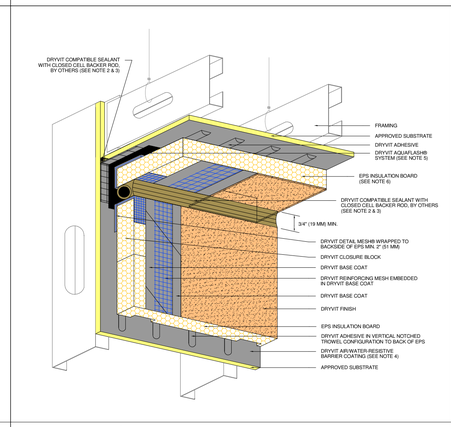
4. FOR ADDITIONAL SLOPED ROOF DETAILS, REFER TO DRYVIT PUBLICATION DS106.

5. SLOT IN DRYVIT VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.
IN

6. LIGHTLY SAND SURFACE OF DRYVIT VENT TRACK TO MAXIMIZE ADHESION.

7. METAL FLASHINGS ARE 10" (254 MM) X 3" (51 MM) LONGER THAN THE HIGHEST PORTION OF THE ROOFING SHINGLE AND ARE BENT IN HALF
TO ALLOW FOR TWO 6" (127 MM) LEGS, ALTHOUGH NOT SHOWN, METAL FLASHINGS ARE STEP FLASHED (INTERWOVEN) WITH ROOFING SHINGLES.

8. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.



OMD 0.0.24 — Vertical Wall/Suspended Soffit Transition

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

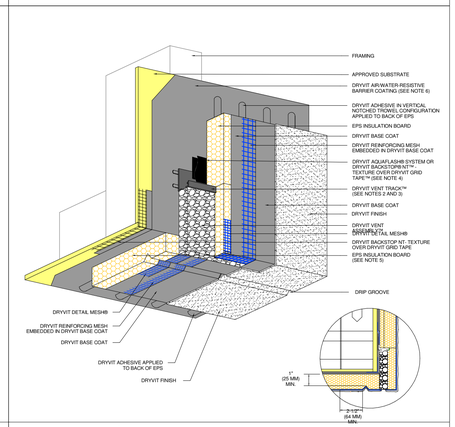
2. SEALANT JOINT IS REQUIRED FOR SUSPENDED SOFFITS. OPTIONAL FOR RIGIDLY FRAMED.

3. DRYVIT DEMANDTB OR COLOR PRIME™ ON SURFACES TO RECEIVE SEALANT
IN

4. DRYVIT AIRWATER-RESISTIVE BARRIER IS REQUIRED OVER VERTICAL SUBSTRATES. APPLICATION OVER HORIZONTAL SOFFIT SUBSTRATE IS OPTIONAL UNLESS REQUIRED AS PART OF A CONTINUOUS AIR BARRIER SYSTEM.

5. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.

6. GROOVED BOARD AND FLAT STOCK EPS ARE ACCEPTABLE FOR USE IN HORIZONTAL SOFFIT CONDITION.



OMD 0.0.25 — Transition At Soffit/Fascia Intersection

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

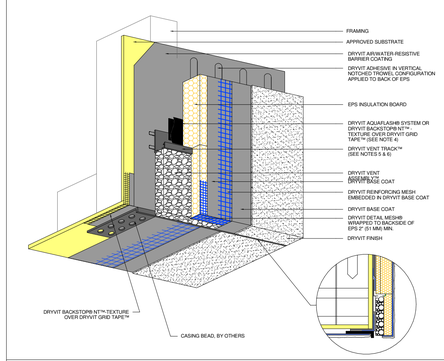
2. SLOT IN DRYVIT VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.

3. LIGHTLY SAND SURFACE OF DRYVIT VENT TRACK TO MAXIMIZE ADHESION.
IN

4. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM OR BACKSTOPR® NT™ TEXTURE OVER GRID TAPE.

5. SLOT IN DRYVIT VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.

6. SEALANT SHALL TURN IN AT DRYVIT VENT ASSEMBLY LOCATIONS TO ALLOW FOR DRAINAGE. SEE SECTION A-A.



OMD 0.0.26 — Fascia/Uninsulated Soffit Transition

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

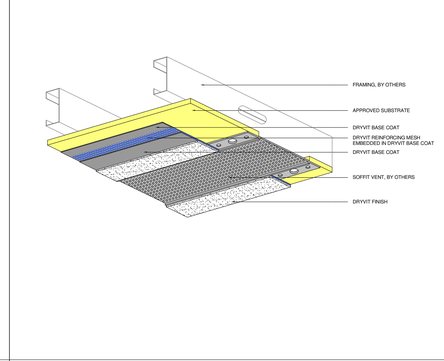
2. SOFFITS WITHOUT EPS INSULATION REQUIRE EXPANSION JOINTS EVERY
20 FT (6.1 M).

3. REFER TO DRYVIT PUBLICATION DS175 FOR SPECIFIC REQUIREMENTS FOR SOFFIT AREAS.
IN

4. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF AQUAFLASH SYSTEM.

5. SLOT IN DRYVIT VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.

6. LIGHTLY SAND SURFACE OF DRYVIT VENT TRACK TO MAXIMIZE ADHESION.



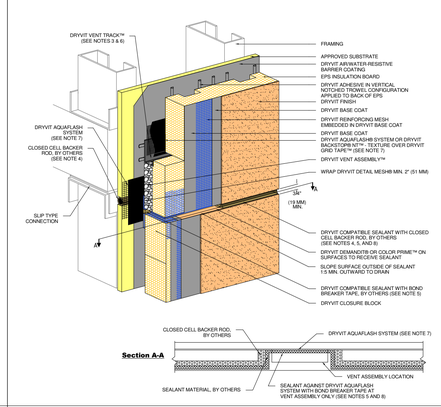
OMD 0.0.27 — Termination at Uninsulated Soffit Vent

NOTE:
1. CONTROL JOINTS ARE RECOMMENDED EVERY 20 FT (6.1 M).

2. REFER TO DRYVIT PUBLICATION DS175 FOR SPECIFIC REQUIREMENTS FOR SOFFIT AREAS.

3. SEAL ALL BUTT JOINTS, INTERSECTIONS, AND ENDS OF VENTS WITH COMPATIBLE SEALANT.

4. SEE DRYVIT PUBLICATION DS842 FOR ADDITIONAL DIRECT APPLIED DETAILS.



OMD 0.0.28 — Horizontal Joint at Slip Track

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. EXPANSION JOINT IN THE CLTS/LATH MD SYSTEM IS NECESSARY WHERE SIGNIFICANT DIFFERENTIAL MOVEMENT IS EXPECTED AT FLOOR LINES.

3. LIGHTLY SAND SURFACE OF DRYVIT VENT TRACK TO MAXIMIZE ADHESION.

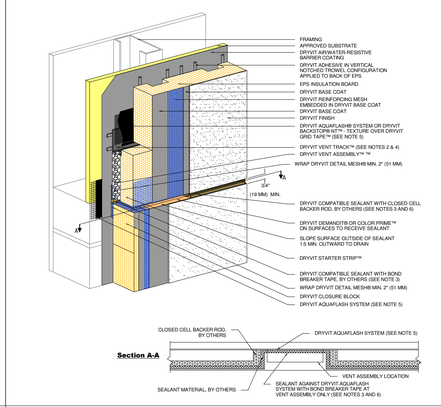
4. LOCATE EXTERNAL SEALANT JOINT WITHIN
2" (51 MM) OF BREAK IN SHEATHING. IN

5. SEALANT SHALL NOT BE IN DIRECT CONTACT WITH ASPHALTIC ADHESIVE ON DRYVIT FLASHING TAPE. COVER DRYVIT FLASHING TAPE LAPS WITH POLYETHYLENE TAPE OR BACKER ROD.

6. SLOT IN DRYVIT VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.

7. DRYVIT FLASHING TAPE SURFACE CONDITIONER AND DRYVIT FLASHING TAPE MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.

8. SEALANT SHALL TURN IN AT DRYVIT VENT ASSEMBLY LOCATIONS TO ALLOW FOR DRAINAGE. SEE SECTION A-A.



OMD 0.0.29 — Horizontal Joint - Substrate Change

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

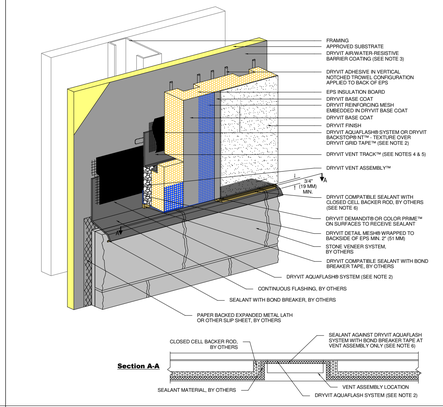
2. SLOT IN DRYVIT VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.

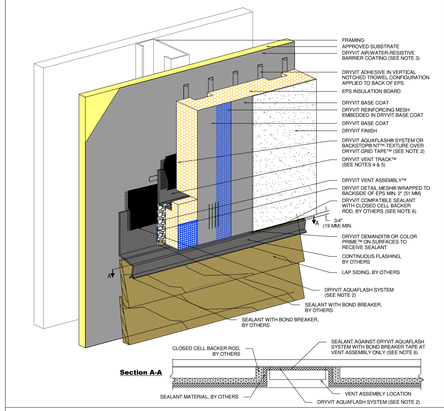
3. SEALANT SHALL NOT BE IN DIRECT CONTACT WITH ASPHALTIC ADHESIVE ON DRYVIT FLASHING TAPE. COVER DRYVIT FLASHING TAPE LAPS WITH POLYETHYLENE TAPE OR BACKER ROD.
IN

4. LIGHTLY SAND SURFACE OF DRYVIT VENT TRACK TO MAXIMIZE ADHESION.

5. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.

6. SEALANT SHALL TURN IN AT DRYVIT VENT ASSEMBLY LOCATIONS TO ALLOW FOR DRAINAGE. SEE SECTION A-A.


FRAMING
APPROVED SUBSTRATE
DRYVIT AIRWATER-RESISTIVE BARRIER COATING (SEE NOTE 3)
DRYVIT ADHESIVE IN VERTICAL NOTCHED TROWEL CONFIGURATION APPLIED TO BACK OF EPS
EPS INSULATION BOARD
DRYVIT BASE COAT
DRYVIT REINFORCING MESH EMBEDDED IN DRYVIT BASE COAT
DRYVIT BASE COAT
DRYVIT FINISH
DRYVIT AQUAFLASH® SYSTEM OR DRYVIT BACKSTOPR® NT™ TEXTURE OVER DRYVIT GRID TAPE™ (SEE NOTE 2)
DRYVIT VENT TRACK™



OMD 0.0.31 — Horizontal Termination at Lap Siding

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZERR® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

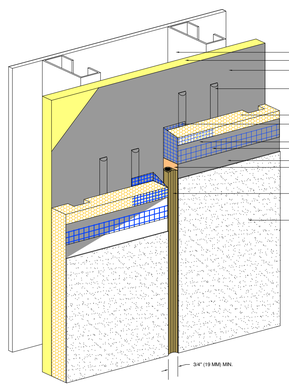
2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.
IN

3. FOR INSTALLATION OF DRYVIT AIRWATER-RESISTIVE BARRIER COATING BENEATH CLADDINGS OTHER THAN DRYVIT EIFS, REFER TO DRYVIT PUBLICATION DS840.

4. LIGHTLY SAND SURFACE OF DRYVIT VENT TRACK TO MAXIMIZE ADHESION.

5. SLOT IN DRYVIT VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.

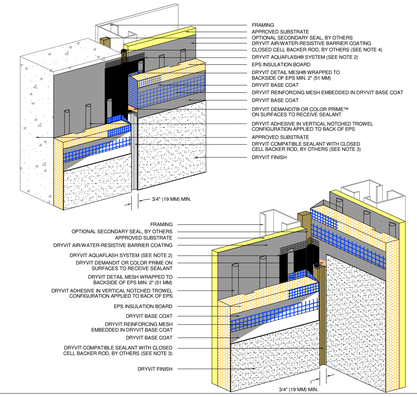
6. SEALANT SHALL TURN IN AT DRYVIT VENT ASSEMBLY LOCATIONS TO ALLOW FOR DRAINAGE. SEE SECTION A-A.



OMD 0.0.32 — Vertical Expansion Joint - EIFS

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZERR® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. EIFS EXPANSION JOINTS ARE REQUIRED IN CONTINUOUS ELEVATIONS AT INTERVALS NOT EXCEEDING 75 FT (23 M).



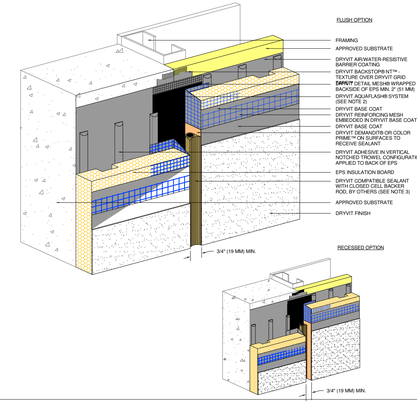
OMD 0.0.33 — Through-Wall Expansion Joint

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZERR® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.
IN

3. SEALANT SHALL NOT BE IN DIRECT CONTACT WITH ASPHALTIC ADHESIVE ON DRYVIT FLASHING TAPE. COVER DRYVIT FLASHING TAPE LAPS WITH POLYETHYLENE TAPE OR BACKER ROD.

4. LOCATE EXTERNAL SEALANT JOINT WITHIN 2" (51 MM) OF SUBSTRATE JOINT.

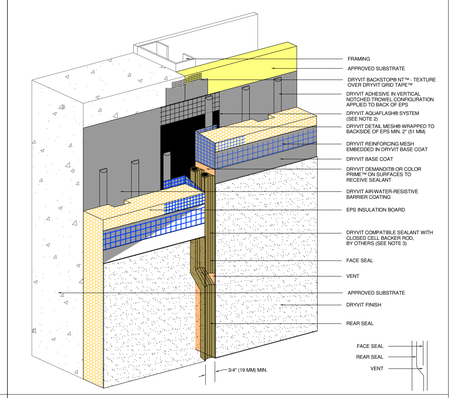


OMD 0.0.34 — Vertical Expansion Joint - Flush and Recessed Options

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZERR® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.
IN

3. SEALANT SHALL NOT BE IN DIRECT CONTACT WITH ASPHALTIC ADHESIVE ON DRYVIT FLASHING TAPE. COVER DRYVIT FLASHING TAPE LAPS WITH POLYETHYLENE TAPE OR BACKER ROD.

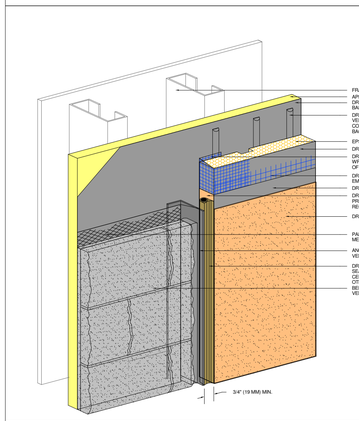


OMD 0.0.35 — Vertical Expansion Joint - Double Seal Option

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZERR® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.
IN

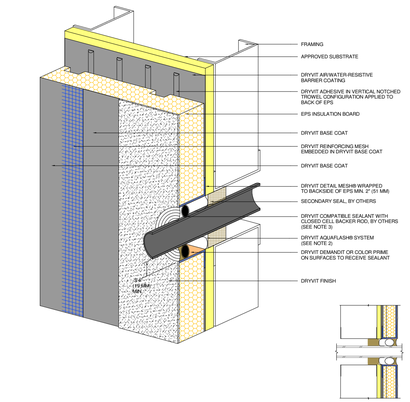
3. SEALANT SHALL NOT BE IN DIRECT CONTACT WITH ASPHALTIC ADHESIVE ON DRYVIT FLASHING TAPE. COVER DRYVIT FLASHING TAPE LAPS WITH POLYETHYLENE TAPE OR BACKER ROD.



OMD 0.0.36 — Vertical Termination At Stone Veneer

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZERR® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. FOR INSTALLATION OF DRYVIT AIRWATER-RESISTIVE BARRIER COATING BENEATH CLADDINGS OTHER THAN DRYVIT EIFS, REFER TO DRYVIT PUBLICATION DS840.

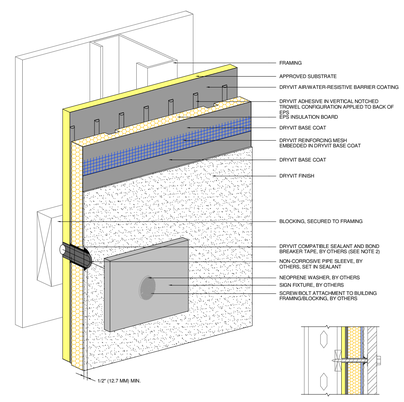


OMD 0.0.37 — Penetrations

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZERR® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.
IN

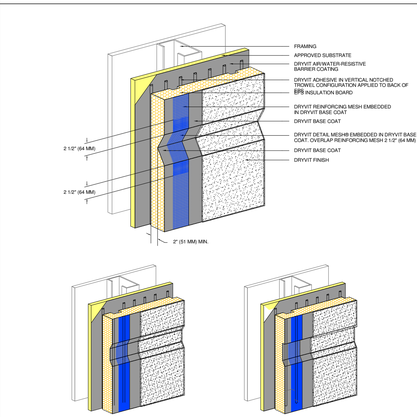
3. SEALANT SHALL NOT BE IN DIRECT CONTACT WITH ASPHALTIC ADHESIVE ON DRYVIT FLASHING TAPE. COVER DRYVIT FLASHING TAPE LAPS WITH POLYETHYLENE TAPE OR BACKER ROD.



OMD 0.0.38 — Sign Attachment

NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZERR® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

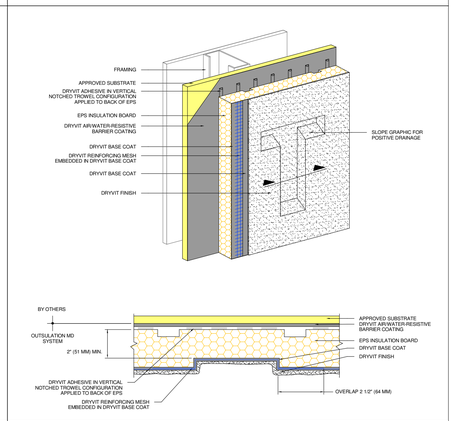
2. PERIMETER OF PIPE SLEEVE IS CAULKED TO PREVENT WATER ENTRY INTO WALL.



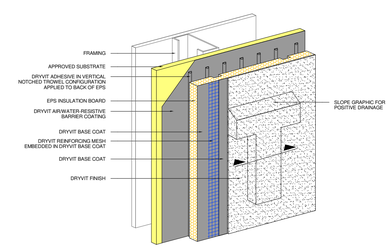
OMD 0.0.39 — Aesthetic Reveals

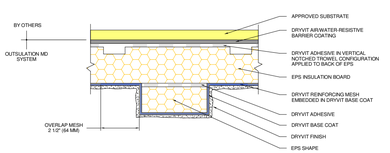
NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZERR® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. SLOPE BOTTOM EDGE OF REVEAL FOR POSITIVE DRAINAGE.



OMD 0.0.40 — Recessed Graphics





OMD 0.0.41 — Projecting Graphics

NOTE:
1. MAXIMUM THICKNESS OF EPS BUILT OUT SHAPES SHALL NOT EXCEED 12" (305 MM) AT ANY POINT MEASURED FROM THE SUBSTRATE.

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: MLA
checked by: FTM
project no: 25-104

EIFS DETAILS

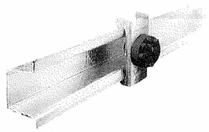
G415

9/18/2026 10:35:18 AM

ACOUSTICAL | SURFACES, INC.

(https://www.acousticalsurfaces.com)

RESILIENT SOUND ISOLATION CLIPS RSIC-1



(https://ye7zs22zd242wmzxo41cj7b5-wpengine.netdna-ssl.com/assets/rsic-1-clip-furring-channel.jpg)

Buy Now (http://www.asistorefront.com/p-239-rsic-1-clips.aspx)

For Wall & Floor Ceiling Assemblies

The Sound of Silence

The RSIC-1 Resilient Sound Isolation Clip

RSIC-1 Resilient Sound Isolation Clips provide 2 unique approaches to sound privacy that will prevent sound from noisy neighbors transmitting through your walls or floor/ceiling assemblies.

Experience with the RSIC-1 Soundproofing Clips has recorded remarkable improvements of up to an additional 20 STC points on walls.

The RSIC-1-R soundproofing clip is designed to retrofit and improve existing walls and ceilings has shown to improve existing walls by as much as 8-10 dB by actual field tests.

View Estimated RSIC Clip Usage For Walls & Ceilings, Wood or Steel Framed (Spacing at 24"×48" O.C.).(//www.acousticalsurfaces.com/rsic_clips/detail/clips-1.jpg)

View Estimated RSIC Clip Usage for Walls & Ceilings, Wood or Steel Framed (Spacing at 16"×48" O.C.).(//www.acousticalsurfaces.com/rsic_clips/detail/clips-2.jpg)

Wall Detail – RSIC Clips at 24" O.C. (//www.acousticalsurfaces.com/rsic_clips/detail/wall-1.jpg)

Acoustical Surfaces, Inc. S.T.O.P. We Identify and Stop Your Noise Problems sound transmission · housing · rockets

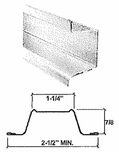
Acoustical Surfaces, Inc.

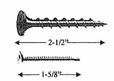
SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

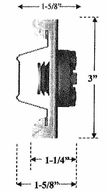
123 Columbia Court North • Suite 201 • Chaska, MN 55318
(952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com
Visit our Website: www.acousticalsurfaces.com

We Identify and S.T.O.P. Your Noise Problems







Drywall Furring Channel:

- **Minimum Requirements:** 25 gauge, hemmed edge detail required on all 25 gauge furring channel. Meets or exceeds SSMA requirements.
- **Optional:** 22 gauge (no hemmed edge required with 22 gauge).
- **Depth:** 7/8 inch.
- **Width Bottom:** 2-1/2 inch wide minimum.
- **Width Top:** 1-1/4 inch wide.

Splice drywall furring channel (hat track) with 6 inch overlap in mid-span (between two clips) secure with 18 ga tie wire, or tow 7/16" framing screws.

Resilient Sound Isolation Clip (RSIC-1):

- **Maximum Spacing:** 48 inches on center.
- **Maximum Acoustical Design Load:** 36 lbs.

Fasteners:

- **RSIC-1 to Wood:** #8 x 2-1/2 inch minimum size coarse thread screw. (Recommended #12 or 10 x 2-1/2 inch hex head).
- **RSIC-1 to Steel:** #8 x 1-5/8 inch minimum size fine thread screw. (Recommended #12 or #10 x 1-5/8 inch hex head).
- DO NOT fasten Resilient Sound Isolation Clips (RSIC-1) to framing members with nails. Use only approved screws.

RSIC-1 Dimensions:

- RSIC-1 clip 3" tall
- RSIC-1 clip 1-1/4" deep
- RSIC-1 and drywall furring channel 1-5/8" deep

Average Labor Rates:

- **RSIC-1:** 72 clips per man hour
- **Drywall Furring Channel:** 550 LF per man hour

• Soundproofing Products • Sonex™ Ceiling & Wall Panels • Sound Control Curtains • Equipment Enclosures • Acoustical Baffles & Banners • Solid Wood & Veneer Acoustical Ceiling & Wall Systems • Professional Audio Acoustics • Vibration & Damping Control • Fire Retardant Acoustics • Hearing Protection • Moisture & Impact Resistant Products • Floor Impact Noise Reduction • Sound Absorbers • Noise Barriers • Fabric Wrapped Wall Panels • Acoustical Foam (Egg Crate) • Acoustical Sealants & Adhesives • Outdoor Noise Control • Assistive Listening Devices • OSHA, FDA, ADA Compliance • On-Site Acoustical Analysis • Acoustical Design & Consulting • Large Inventory • Fast Shipment • No Project too Large or Small • Major Credit Cards Accepted

Wall Detail – RSIC Clips at 16" O.C. (//www.acousticalsurfaces.com/rsic_clips/detail/wall-2.jpg)

Product Testing & Information

CSI Spec Sheet (//www.acousticalsurfaces.com/csi_specs/rsic/RSIC-1-Product-Guide-Specification.doc)

Product Specs (https://ye7zs22zd242wmzxo41cj7b5-wpengine.netdna-ssl.com/rsic_clips/images/rsiclips.pdf)

Technical Field Information (https://ye7zs22zd242wmzxo41cj7b5-wpengine.netdna-ssl.com/rsic_clips/images/RSIC_Retro.pdf)

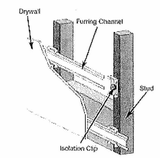
Retrofitting Walls & Floors From Noisy Neighbors (https://ye7zs22zd242wmzxo41cj7b5-wpengine.netdna-ssl.com/rsic_clips/images/RSIC_Concrete.pdf)

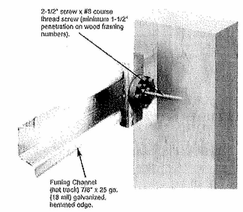
White Paper (//www.acousticalsurfaces.com/rsic_clips/pdf/WhitePaper_SoundIsolationClips.pdf)

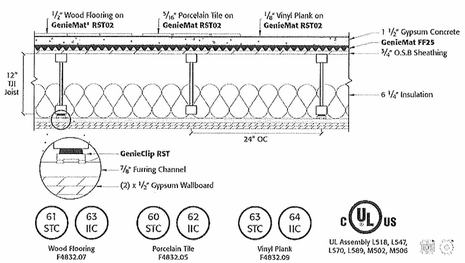
Revit File (//www.acousticalsurfaces.com/revit/rsic-clips/rsic-1/RSIC-1.rfa)

Wall Assemblies Revit File (//www.acousticalsurfaces.com/revit/rsic-clips/rsic-1/RISC-1_Wall%20Assemblies.rvt)

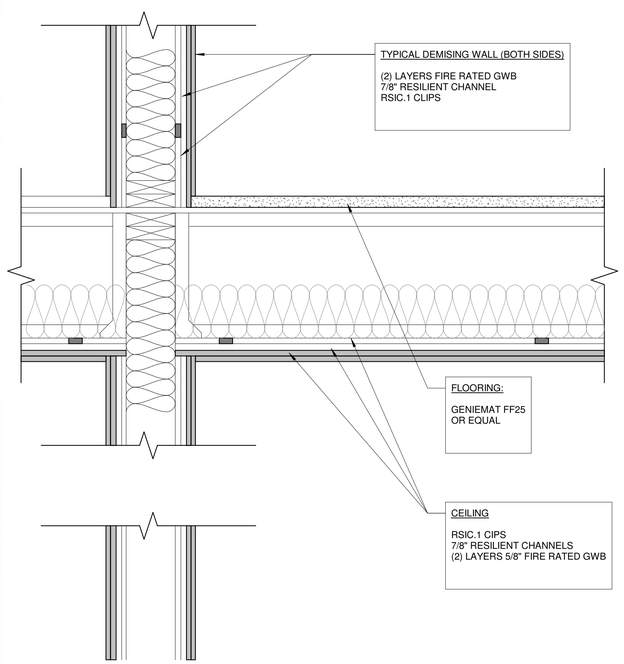
Product TAG



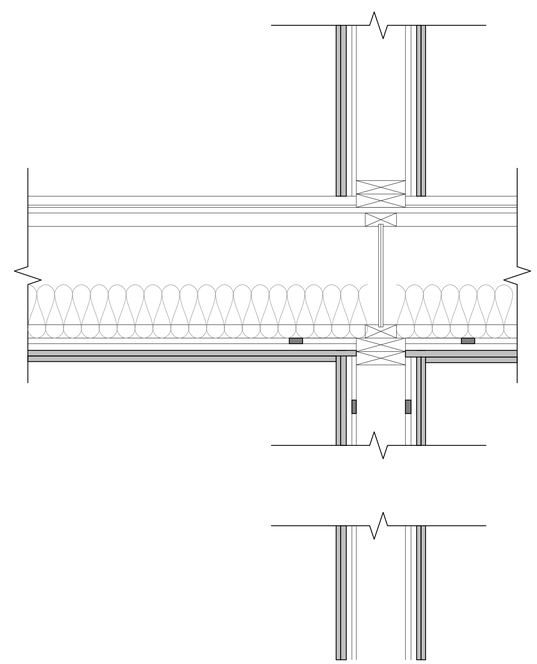




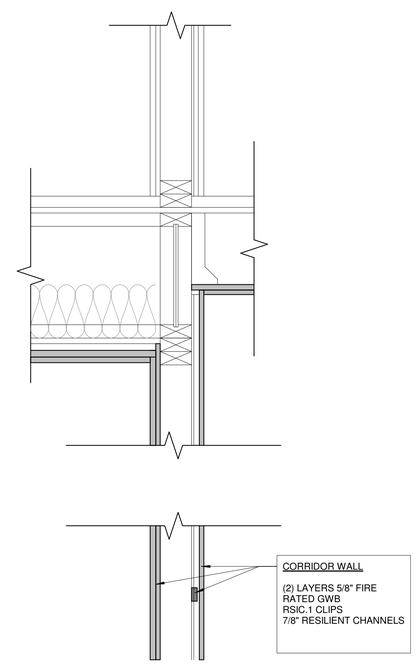
*ACOUSTIC SEALANT



1 **DEMISING WALL (Load Bearing)**
1 1/2" = 1"- 0"



2 **DEMISING WALL (Not Load Bearing)**
1 1/2" = 1' - 0"



3 **CORRIDOR**
1 1/2" = 1' - 0"

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: Author
checked by: FTM
project no: 25-104

ACOUSTIC DETAILS

G500

9/18/2026 10:35:22 AM

RSIC-1 SOUND ISOLATION CLIP

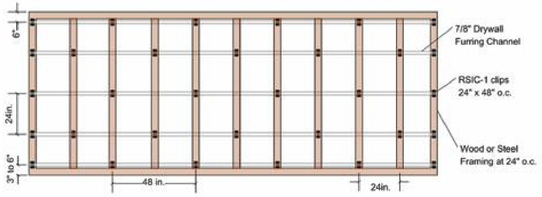
APPLICATION RECOMMENDATIONS FOR WALLS AND CEILINGS, WOOD OR STEEL FRAMING

INSTALLING RESILIENT SOUND ISOLATION CLIPS (RSIC-1)

RSIC CLIPS AT 24" OC.

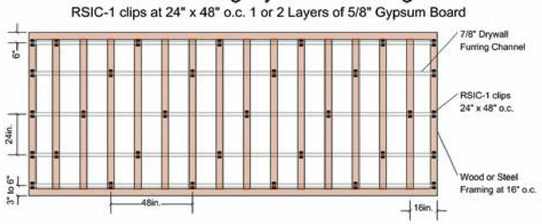
RSIC-1 Wall or Ceiling System Framing at 24" o.c.

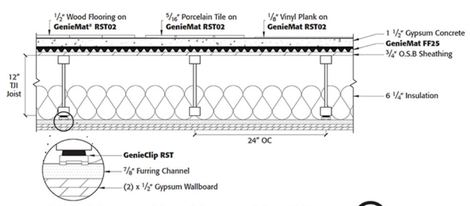
RSIC-1 clips at 24" x 48" o.c. 1 or 2 Layers of 5/8" Gypsum Board



RSIC-1 Wall or Ceiling System Framing at 16" o.c.

RSIC-1 clips at 24" x 48" o.c. 1 or 2 Layers of 5/8" Gypsum Board





61 STC / 63 IIC — Wood Flooring F4832.07

60 STC / 62 IIC — Porcelain Tile F4832.05

63 STC / 64 IIC — Vinyl Plank F4832.09

UL Assembly L518, L547, L570, L589, M502, M506

Design No. U334

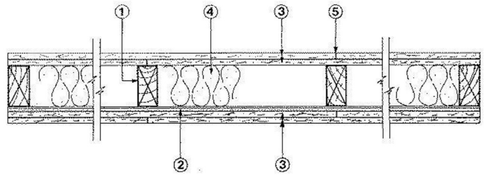
November 20, 2019

Bearing Wall Rating — 2 HR.

STC Rating - 62 (See Item 7)

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Wood Studs —** Nom 2 by 4 in., spaced 16 in. OC. Studs cross braced at mid-height and effectively fire stopped at top and bottom of wall.

2. **Resilient Channel —** 25 MSG galv steel, nom 2-1/2 in. wide by 1/2 in. deep. Resilient channels placed perpendicular to studs, spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1 in. long Type S steel screws.

2A. **Steel Framing Members* —** (Optional, Not Shown) — As an alternate to Item 2, furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and securec together with two self-tapping #6 framing screws, min. 7/16 in. long at the midp of the overlap, with one screw on each flange of the channel.

b. **Steel Framing Members* —** Used to attach furring channels (Item a) to stud: (Item 1). Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coar drywall screw through the center grommet. Furring channels are friction fitted in clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip use with 2-23/32 in. wide furring channels.

PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75).

3. **Gypsum Board* —** 5/8 in. thick, 4 ft wide. Attached to furring channels: base layer wi in. long Type S steel screws spaced max 24 in. OC, face layer with 1-5/8 in. long Type S s screws spaced max 12 in. OC. Attached to wood studs: base layer with 1-7/8 in. long 6d coated nails spaced max 14 in. OC, face layer with 2-3/8 in. long 8d coated nails spaced 7 in. OC. Base layers installed vertically. Face layers installed horizontally with butt joints offset 16 in. from base layers.

AMERICAN GYPSUM CO — Types AG-C

CERTAINTEED GYPSUM INC — Type C.

CGC INC — Types C, IP-X2, IPC-AR, ULIX.

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC-C/A.

GEORGIA-PACIFIC GYPSUM L L C — Types 5, DAPC, TG-C.

NATIONAL GYPSUM CO — Types eXP-C, FSK-C, FSW-C, FSW-G.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type C or PG-C.

PANEL REY S A — Type PRC

THAI GYPSUM PRODUCTS PCL — Type C.

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR, ULIX.

USG BORAL DRYWALL SFZ LLC — Type C

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR.

4. **Batts and Blankets* —** Nom 2 in. thick mineral wool insulation, 96 in. long, cut to 15 in. widths, friction fitted between studs in wall cavity.

ROCKWOOL — Type AFB, min. density 1.69 pcf / 27.0 kg/m³

THERMAFIBER INC — Type SAFB, SAFB FF.

4A.. **Batts and Blankets* —** Glass fiber insulation. The cavities formed by the studs friction fit with R-19 unfaced fiberglass insulation batts measuring 6-1/4 in. thick and 15-1/4 in. wide. See Batts and Blankets* (BZJZ) category for names of Classified Companies.

5. **Joint Tape and Compound —** Vinyl, dry or premixed joint compound, applied to joints, screw heads, and nail heads (two applications); paper tape embedded in first layer of compound over all joints.

6. **Caulking and Sealants —** (Not Shown, Optional) A bead of acoustical sealant applied around the partition perimeter for sound control

7. **STC Rating —** The STC Rating of the wall assembly is 62 when it is constructed as described by Items 1 through 5, except:

a. Item 2A, above — **Steel Framing Members*** Shall be used to attach wallboard to studs on either the acoustical source or receiving side of the wall assembly.

b. Item 4a above — **Batts and Blankets*** As described above, fiberglass insulation shall be used.

c. Item 6, above — **Caulking and Sealants** (not shown) A bead of acoustical sealant shall be applied around the partition perimeter for sound control.

8. **Wall and Partition Facings and Accessories* —** (Optional, Not shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-500 or QR-510 panel is installed between the wood framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 and QR-510

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2019-11-20

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

OLIVE ARCHITECTURE, PLLC — REGISTERED ARCHITECTURAL COMPANY 52411 — NORTH CAROLINA — RALEIGH, N.C.

FRANK T. MURPHY — REGISTERED ARCHITECT 5249 — NORTH CAROLINA — RALEIGH, N.C. — 09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: Author

checked by: FTM

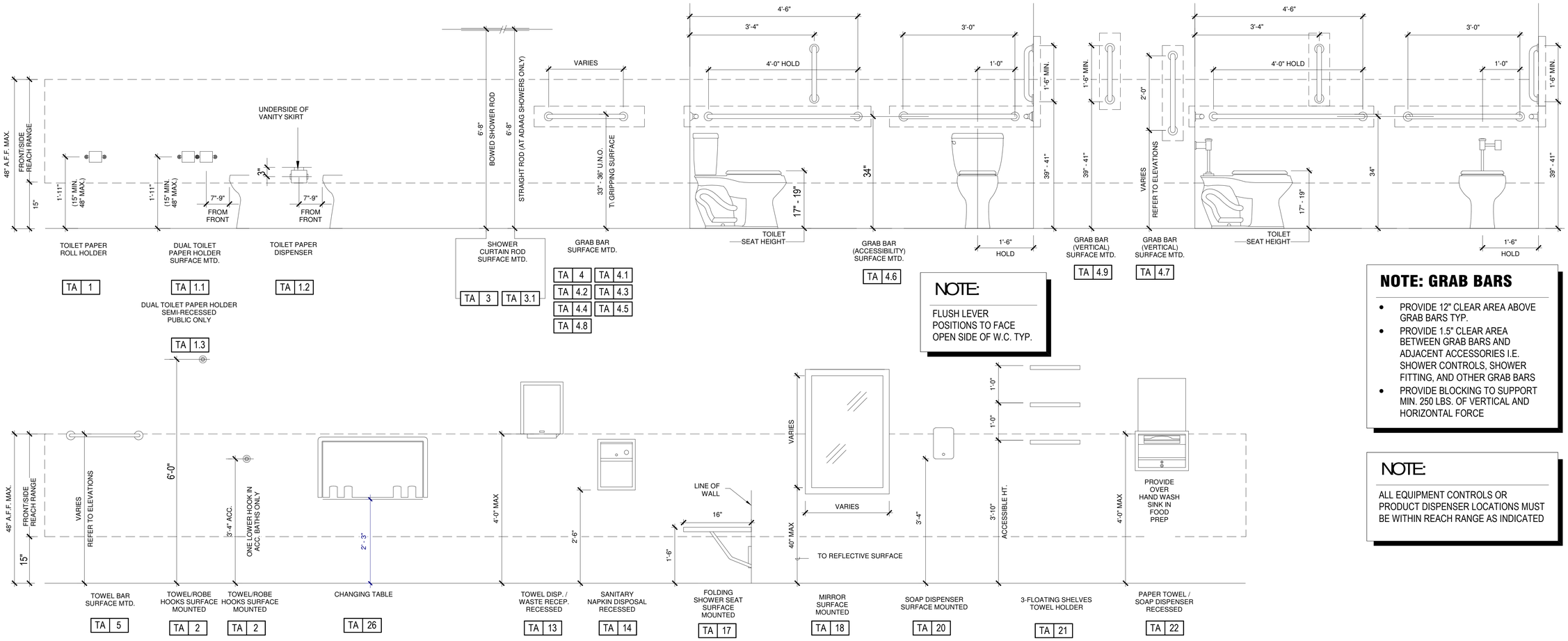
project no: 25-104

ACOUSTIC DETAILS

G501

9/18/2026 10:35:23 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



NOTE:

FLUSH LEVER POSITIONS TO FACE OPEN SIDE OF W.C. TYP.

NOTE: GRAB BARS

- PROVIDE 12" CLEAR AREA ABOVE GRAB BARS TYP.
- PROVIDE 1.5" CLEAR AREA BETWEEN GRAB BARS AND ADJACENT ACCESSORIES I.E. SHOWER CONTROLS, SHOWER FITTING, AND OTHER GRAB BARS
- PROVIDE BLOCKING TO SUPPORT MIN. 250 LBS. OF VERTICAL AND HORIZONTAL FORCE

NOTE:

ALL EQUIPMENT CONTROLS OR PRODUCT DISPENSER LOCATIONS MUST BE WITHIN REACH RANGE AS INDICATED

GUESTROOM BATH & PUBLIC RESTROOM ACCESSORIES SCHEDULE (TA X)

NOTE: *REFER TO STANDARDS MANUAL FOR ACCEPTABLE MANUFACTURERS*

ID No.	DESCRIPTION	Partition Mounted	Surface Mounted	Semi-Recessed	Fully Recessed	Blocking Required	Refer to Note #2	White	Mfr's. Standard Color	Other (Remarks)	REMARKS
TA 1	TOILET PAPER ROLL HOLDER		•			•	•				
TA 1.1	DUAL TOILET PAPER HOLDER		•			•	•				
TA 1.2	TOILET PAPER DISPENSER		•			•	•				
TA 1.3	DUAL TOILET PAPER HOLDER SEMI-RECESSED			•		•	•				
TA 2	TOWEL/ROBE HOOK SURFACE MTD.		•			•	•				
TA 3	SHOWER CURTAIN ROD (BOWED) SURFACE MTD.		•			•	•				
TA 3.1	SHOWER CURTAIN ROD SURFACE MTD.		•			•	•				
TA 4	12" GRAB BAR SURFACE MTD.		•			•	•				
TA 4.1	18" GRAB BAR SURFACE MTD.		•			•	•				
TA 4.2	24" GRAB BAR SURFACE MTD.		•			•	•				
TA 4.3	36" GRAB BAR SURFACE MTD.		•			•	•				
TA 4.4	42" GRAB BAR SURFACE MTD.		•			•	•				
TA 4.5	48" GRAB BAR SURFACE MTD.		•			•	•				
TA 4.6	GRAB BAR (ACCESSIBILITY) SURFACE MTD.		•			•	•				
TA 4.7	GRAB BAR VERTICAL SURFACE MTD.		•			•	•				
TA 4.8	48"+ GRAB BAR SURFACE MTD.		•			•	•				

GUESTROOM BATH & PUBLIC RESTROOM ACCESSORIES SCHEDULE (TA X)

NOTE: *REFER TO STANDARDS MANUAL FOR ACCEPTABLE MANUFACTURERS*

ID No.	DESCRIPTION	Partition Mounted	Surface Mounted	Semi-Recesset	Fully Recesset	Blocking Required	Refer to Note #2	White	Mfr's. Standard Color	Other (Remarks)	REMARKS
TA 4.9	GRAB BAR VERTICAL SURFACE MTD.		•			•	•				
TA 5	TOWEL BAR SURFACE MTD.		•			•	•				
TA 5.1	METAL TUBE TOWEL RACK SURFACE MTD.		•			•	•				
TA 8	18" TOWEL BAR		•			•	•				
TA 13	MOTION-ACTIVATED TOWEL DISPENSER		•	•		•	•				
TA 13.1	WASTE RECEPTACLE										
TA 14	SANITARY NAPKIN DISPOSAL RECESSED				•	•	•				
TA 17	FOLDING SHOWER SEAT SURFACE MTD.		•			•	•				
TA 18	MIRROR SURFACE MTD.		•			•	•				
TA 20	SOAP DISPENSER SURFACE MTD.		•			•			•		
TA 21	3-SHELF TOWEL HOLDER (SINGLE BEDDED ROOMS)		•								
TA 22	PAPER TOWEL / SOAP DISPENSER RECESSED		•			•	•				
TA 25	SOAP DISH		•								
TA 25.1	SOAP DISH CORNER MTD.		•								
TA 25.2	FOOT REST		•			•					

(TA) GENERAL NOTES

1. PROVIDE BLOCKING, OR DIRECT STUD SUPPORT, FOR ALL TOILET ACCESSORIES THIS LIST
2. APPROVED METAL FINISHES: POLISHED OR BRUSHED CHROME, BRUSHED NICKEL OR STAINLESS STEEL COORDINATED PER HAMPTON FYI GUESTROOM GUIDE AND FYI PERFORMANCE STANDARDS
3. WALL MOUNTED EQUIPMENT, FIXTURE, ETC. BETWEEN 27" AND 80" A.F.F. SHALL NOT PROTRUDE FURTHER THAN 4" FROM WALL PER ACCESSIBILITY STANDARDS. CONSULT THE **HADG** FOR FURTHER REQUIREMENTS.
4. ALL CONTROLS FOR USE BY GUESTS MUST BE MOUNTED BETWEEN 15" AFF AND 48" AFF AND PROVIDE A 30"X48" CLEAR FLOOR AREA IN COMPLIANCE WITH ACCESSIBLE STANDARDS. OPERABLE CONTROLS LOCATED OVER AN OBSTRUCTION DEEPER THAN 10" MUST BE MOUNTED NO HIGHER THAN 46" AFF. ACCESSIBLE CONTROLS MUST NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. ACCESSIBLE CONTROLS SHALL COMPLY WITH THE **HADG**.
5. LIGHTS IN PUBLIC AREA MUST BE ON KEYED SWITCHES OR MOTION SENSORS. THE MOTION SENSOR MUST HAVE A DELAY OF THIRTY MINUTES FROM THE LAST DETECTION OF MOVEMENT IN THE DEFINED AREA PRIOR TO SHUT DOWN. ENTRY LIGHT IN PUBLIC RESTROOMS MUST REMAIN ON AT ALL TIMES IN MULTI-STALL RESTROOM.
6. A GFCI/ELCB/RCCB OR EQUAL DUPLEX OUTLET MUST BE LOCATED ON A SIDEWALL OF THE WATER BASIN.

GENERAL NOTES

1. LIGHT SWITCH AND G.F.I. OUTLETS CAN BE MOUNTED IN A COMMON 4x4 BOX WITH COVER PLATE. COORDINATE CLEARANCES AS REQUIRED
2. THE HEIGHT OF ALL SWITCHES, OUTLETS, ETC., TO MEET ACCESSIBILITY REQUIREMENTS AND/OR LOCAL CODES. WHICHEVER IS MORE STRINGENT. SWITCHES ON LAMPS MUST BE TOGGLE TYPE, AS REQUIRED
3. ELECTRICAL OUTLETS AT DESKS ARE TO BE COORDINATED WITH HAMPTON STANDARDS. DEPENDING ON FF&E PROVIDED, CERTAIN WALL OUTLETS MAY NOT BE REQUIRED
4. CEILING MOUNTED LIGHT FIXTURE AND FAN AT ALL GUEST ROOM BATHS TO BE SWITCHED SEPARATELY FROM LIGHT
5. SLOPE OR DISH FLOORS TO DRAIN, SLOPE NOT TO EXCEED 1:48 IN ANY DIRECTION
6. ANY LIGHT FIXTURES OVER WET AREAS TO BE DAMP LOCATION RATED W/ SHATTERPROOF LENS
7. CORDINATE BATH DOOR SWING WITH MOUNTING LOCATION OF CURVED SHOWER ROD AND STYLE OF DOOR STOP
8. ROLL IN SHOWERS ARE REQUIRED IN A MINIMUM NUMBER OF ACCESSIBLE ROOMS PER ACCESSIBILITY REQUIREMENTS.
9. ALL WALLS IN BATH SHALL BE MOISTURE RESISTANT GYPSUM BOARD. CEILING AT BATH SHALL BE EXTERIOR RATED CEILING BOARD
10. PROVIDE AN ELECTRICAL OUTLET WITHIN 48" OF THE TELEPHONE CONNECTION. THE OUTLET MUST HAVE A CLEAR FLOOR SPACE AND MEET ACCESSIBILITY STANDARDS FOR REACH RANGE.
11. WALL MOUNTED EQUIPMENT, FIXTURES, ETC. BETWEEN 27" AND 80" A.F.F. SHALL NOT PROTRUDE FURTHER THAN 4" FROM WALL PER ACCESSIBILITY REQUIREMENTS.
12. ALL CONTROLS FOR USE BY GUESTS, MUST BE MOUNTED BETWEEN 15" AFF AND 48" AFF. ACCESSIBLE CONTROLSMUST NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF T HE WRIST. REFER TO THE **HADG.**
13. BOTTOM OF REFLECTIVE SURFACE OF MIRRORS IN ALL A.D.A. BATHROOMS MUST BE NO HIGHER THAN 40" A.F.F.

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY 52411 NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT 5249 NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

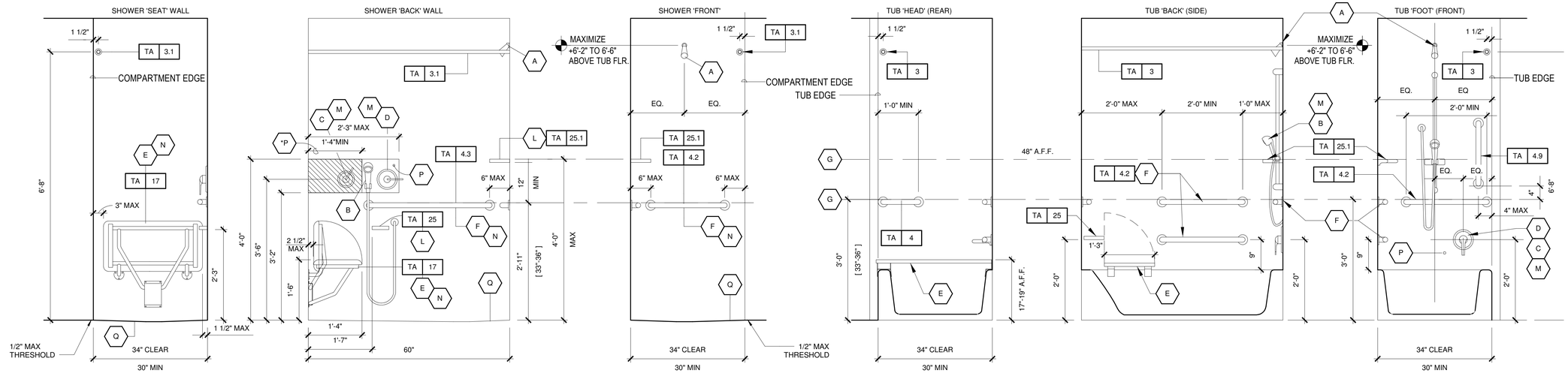
Revision	Date	Description

drawn by: MLA
checked by: FTM
project no: 25-104

TOILET ACCESSORIES

G600

9/18/2026 10:35:27 AM



A — HOTEL STANDARD SHOWER HEAD

B — HAND HELD SHOWER HEAD ATTACHED TO WALL WITH COMPATIBLE MOUNTING POST CONNECTED TO 90° PLUMBING ELBOW (CHROME W/ ESCUTCHEON FACING DOWN) WITH MIN. 59" SOFT VINYL HOSE (WHITE) - PROVIDE POSITIVE SHUT OFF SWITCH - UNIT SHALL DELIVER WATER AT 120°F MAXIMUM - MUST BE USABLE IN A FIXED OR HAND-HELD POSITION TYPICALLY USING AN ADJUSTABLE BAR

C — DIVERTER FAUCET WITH PERMANENT LABELS INDICATING OPERATION DIRECTION - WHEN FAUCET IS 'POINTING' TOWARDS STANDARD SHOWER HEAD (AS INDICATED) IT OPERATES THE STANDARD SHOWER HEAD, WHEN 'POINTING' TOWARDS THE HAND-HELD SHOWER IT OPERATES THE HAND-HELD SHOWER HEAD
- LABELS SHALL READ: "**UPPER SHOWER HEAD**" & "**HAND HELD SHOWER HEAD**" AND BE PERMANENTLY AFFIXED TO WALL

D — CONTROLS MOUNTED OFF CENTER TOWARDS SHOWER SEAT

E — SHOWER SEAT (FOLDING)
-- REFER TO TOILET ACCESSORY SCHEDULE

F — GRAB BARS - TYP.
-- REFER TO MOUNTING HEIGHTS

G — ACCESSIBLE "REACH" MAXIMUM HEIGHT

L — SOAP DISHES CENTERED AS INDICATED OR PER TILE LAYOUT

M — OPERATION: WATER FLOWS FROM MIXING VALVE TO DIVERTER FAUCET THEN:
- ACTIVATION OF DIVERTER FAUCET SWITCHES BETWEEN HAND HELD AND STANDARD SPOUT/SHOWER

N — PROVIDE BLOCKING AS NECESSARY

P — ACCESSIBLE CONTROLS AREA
* PROVIDE MIN. DISTANCE PER LOCAL CODE REQUIRMENTS

Q — SLOPE TILE TO FLOOR DRAIN: SLOPE NOT TO EXCEED 1:48

NOTE: ALL GRAB BARS AND SEATS MUST BE BLOCKED/ RE-INFORCED TO WITHSTAND ACCESSIBILITY REQUIRED LOAD LIMITS

7 / G601 ACCESSIBLE SHOWER LAYOUT (34"X60")

NTS

A — HOTEL STANDARD SHOWER HEAD

B — HAND HELD SHOWER HEAD W/60" HOSE ATTACHED TO ADJUSTABLE HEIGHT BAR. MOUNT BAR TO ALLOW SHOWER HEAD TO BE PLACED WITHIN ACCESSIBLE REACH RANGE. MOUNT ADJUSTABLE BAR SO AS NOT TO CONFLICT WITH GRAB BAR - PROVIDE POSITIVE SHUT OFF SWITCH - UNIT SHALL DELIVER WATER AT 120°F MAXIMUM

C — DIVERTER FAUCET WITH PERMANENT LABELS INDICATING OPERATION DIRECTION - WHEN FAUCET IS 'POINTING' TOWARDS FOOT/FRONT (AS INDICATED) IT OPERATES THE TUB SPOUT AND STANDARD SHOWER HEAD, WHEN 'POINTING' TOWARDS THE HEAD/REAR OF TUB IT OPERATES THE HAND HELD SHOWER HEAD
- LABELS SHALL READ: "**TUB/UPPER SHOWER HEAD**" & "**HAND HELD SHOWER HEAD**" AND BE PERMANENTLY AFFIXED TO WALL

D — CONTROLS MOUNTED OFF CENTER TOWARDS OPEN EDGE OF TUB

E — PADDED REMOVABLE ACCESSIBLE TUB SEAT - TO BE 15"-16" DEEP AND AT 17"-19" ABOVE FINISHED FLOOR WHEN IN USE.

F — GRAB BARS - TYP.
-- REFER TO MOUNTING HEIGHTS

G — ACCESSIBLE "REACH" MAXIMUM HEIGHT

L — SOAP DISHES

M — OPERATION: WATER FLOWS FROM MIXING VALVE TO DIVERTER FAUCET BACK THEN TO TUB SPOUT, THEN THE:
- ACTIVATION OF STANDARD DIVERTER IN TUB SPOUT OR MIXING VALVE OPERATES STANDARD SHOWER HEAD
- ACTIVATION OF DIVERTER FAUCET SWITCHES BETWEEN HAND HELD AND STANDARD TUB SPOUT/SHOWER

N — PROVIDE BLOCKING AS NECESSARY

P — ACCESSIBLE CONTROLS AREA

NOTE: ALL GRAB BARS AND SEATS MUST BE BLOCKED / REINFORCED TO WITHSTAND ACCESSIBILITY REQUIRED LOAD LIMITS

8 / G601 ACCESSIBLE TUB LAYOUT

NTS

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY 52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

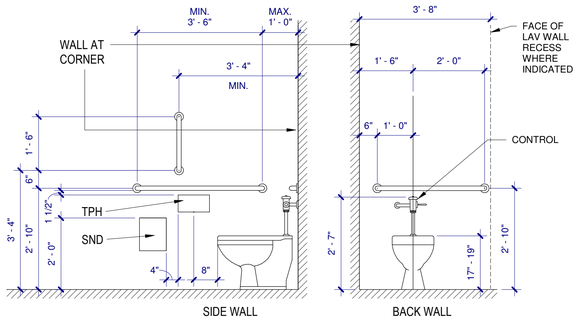
Revision	Date	Description

drawn by: MLA
checked by: FTM
project no: 25-104

TOILET ACCESSORIES

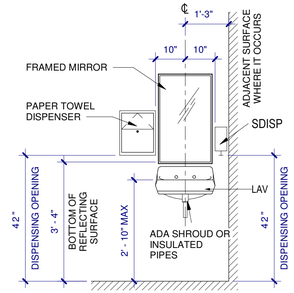
G601

9/18/2026 10:35:30 AM



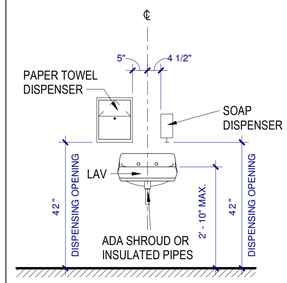
TOILET/WATER CLOSETS ACCESSIBLE

1. SND - SANITARY NAPKIN DISPOSAL. PROVIDE AT UNISEX, & WOMEN'S BATHROOMS ONLY.
2. GB - GRAB BARS. AT NON-ACCESSIBLE WATER CLOSETS OMIT GRAB BARS.
3. FLUSH VALVE/CONTROL MUST BE LOCATED ON THE OUTSIDE OR WIDE SIDE OF THE TOILET.
4. GB BLKG TO BE DESIGNED FOR 250 LB LAT. AND DEAD LOADS.



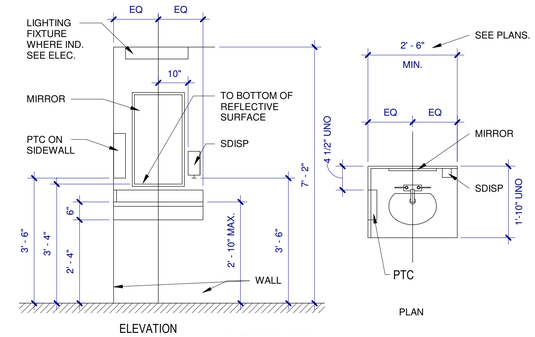
LAVATORY BASIN/BATHROOMS

1. SEE PLAN FOR SPECIFIC LOCATION CONDITION.
2. SDISD & PTC-BY OWNER, INSTALLED BY CONTRACTORS.
3. ENSURE MIN. 2'-3" X 8" DEEP KNEE SPACE.
4. EXPOSED HOT AND COLD WATER PIPES ARE TO BE INSULATED.



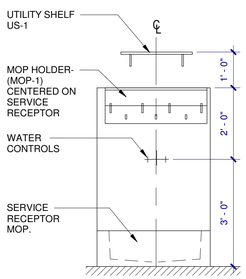
LAVATORY BASIN/HANDWASH STATION

1. SEE PLAN FOR SPECIFIC LOCATION CONDITION.
2. SDISD & PTC BY OWNER, INSTALLED BY CONTRACTOR.
3. ENSURE MIN. 2'-3" X 8" DEEP KNEE SPACE.
4. EXPOSED HOT AND COLD WATER PIPES ARE TO BE INSULATED.



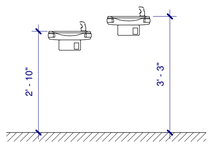
BATHROOM SINK

1. SEE PLAN FOR SPECIFIC LOCATION CONDITION
2. SDISD & PTC-BY OWNER, INSTALLED BY CONTRACTOR
3. ENSURE MIN. 2'-3" X 8" DEEP KNEE SPACE.
4. EXPOSED HOT AND COLD WATER PIPES ARE TO BE INSULATED.



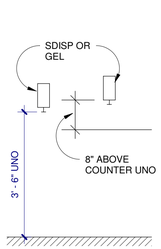
HOUSEKEEPING/EVS CLOSET

1. UTILITY SHELF 24" LONG UNO.
2. WATER CONTROLS AND SERVICE RECEPTOR, REFER TO PLUMBING DRAWINGS.

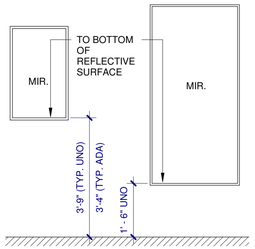


DRINKING FOUNTAIN

1. WHERE A SINGLE DF IS REQUIRED IT SHALL BE INSTALLED AS AN ACCESSIBLE DF.
2. ENSURE MIN. 2'-3" X 8" DEEP KNEE SPACE.
3. SPOUT HEIGHT FOR ADA IS MAX 36" AFL. FOR STANDING PEOPLE SPOUT MOUNTING HEIGHT IS 38"-43" AFL.

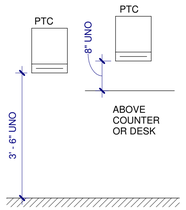


SOAP/GEL/FOAM DISP.



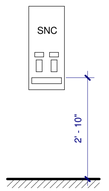
MIRROR

1. SEE PLANS FOR MIRROR TYPE.
2. MOUNTING HEIGHT TO BOTTOM OF GLASS, TYP. UNO.



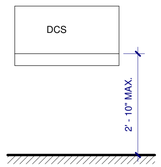
PAPER TOWEL CAB/WR

1. MOUNTING HEIGHT IS INDICATED FOR A BOTTOM DISPENSING CABINET. MAX PAPER SOURCE HEIGHT IS 48".



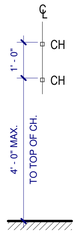
SANITARY NAPKIN CABINET

1. ENSURE MAX. 4'-0" HIGH TO OPERABLE CONTROLS AFL.

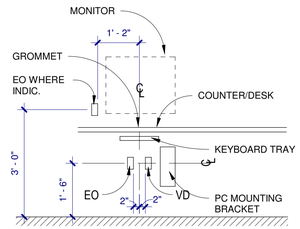


DIAPER CHANGING STATION

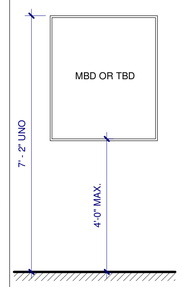
1. ENSURE MIN. 2'-3" HIGH X 8" DEEP KNEE SPACE.
2 PULL DOWN HANDLE TO BE LOCATED 48" MAX AFL.



COAT HOOKS

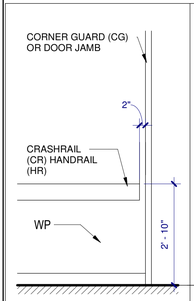


PC WORK STATION

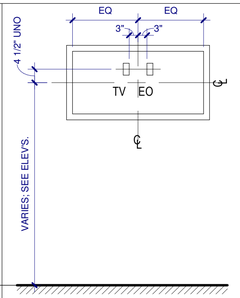


MARKER BOARD/TACK BOARD

REFER TO ELEV. FOR SPEC. NUMBER AND SIZE.



HANDRAIL/CRASH RAILS

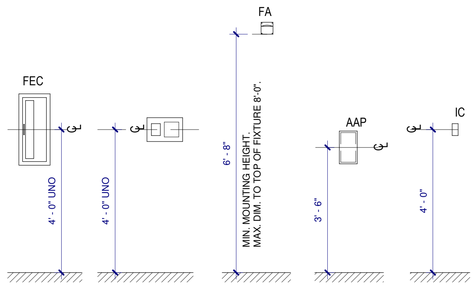


FLAT TV SCREEN

VERIFY DIMENSIONS AND PROVIDE PARTITION BLOCKING TV AND EO. REFER TO MANUF. INSTRUCTIONS. UNIT CAN NOT PROJECT MORE THAN 4" INTO CIRCULATION AREA.

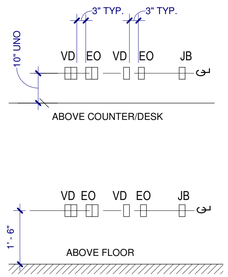
WALL SCONCE

FIXTURES CAN NOT PROJECT INTO CORRIDOR MORE THAN 4"



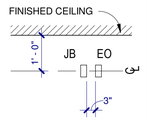
FEC **CARD READER** **FIRE ALARM** **ALARM ANNUNCIATOR PANEL** **INTERCOM**

REFER TO ELECTRICAL DRAWINGS.

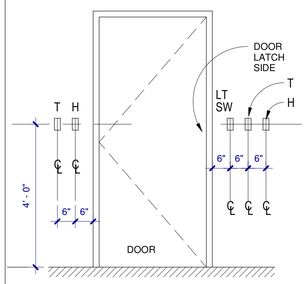


ELECT/COMM OUTLETS

MOUNT HEIGHTS SHOWN FOR ABOVE FLOOR AND ABOVE COUNTER UNO., REFER TO ELEVATIONS FOR LOCATIONS.

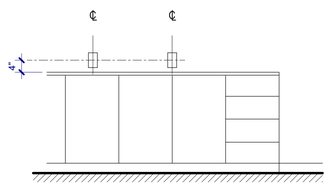


CCTV CAMERA OUTLETS



LIGHT SWITCH/THERMOSTAT/HUMIDISTAT

WALL MOUNTED AT DOOR LOCATION, UNLESS INDICATED OTHERWISE IN DRAWING SET



OUTLET LOCATIONS AT 25" MAX DEPTH MILLWORK COUNTERS

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY 52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

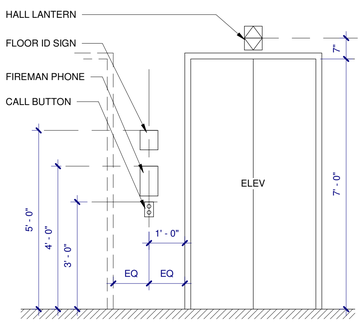
Revision	Date	Description

drawn by: Author
checked by: Checker
project no: 25-104

TYPICAL MOUNTING HEIGHTS & LOCATIONS

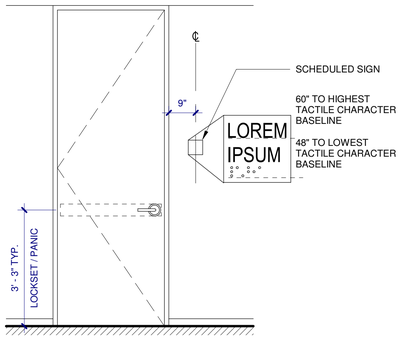
G602

9/18/2026 10:35:32 AM

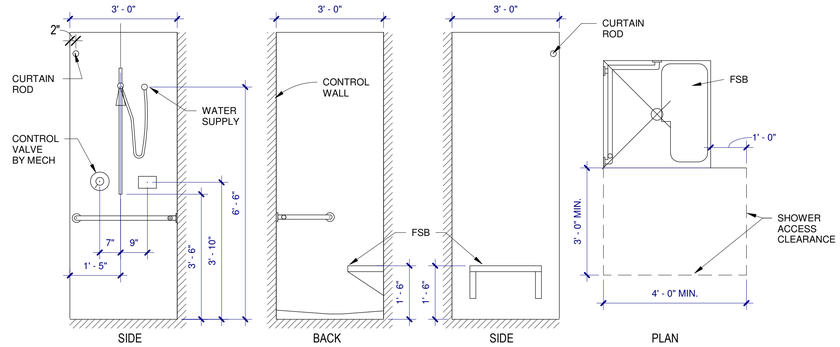


ELEVATOR

ELEVATOR CAB EMERGENCY CALL BUTTON MUST BE AT 35" AFF AND FLOOR BUTTONS MAY BE NO HIGHER THEN 48" AFF.



LOCATION FOR TYPICAL SIGNS AND LOCKETS / EXIT DEVICES

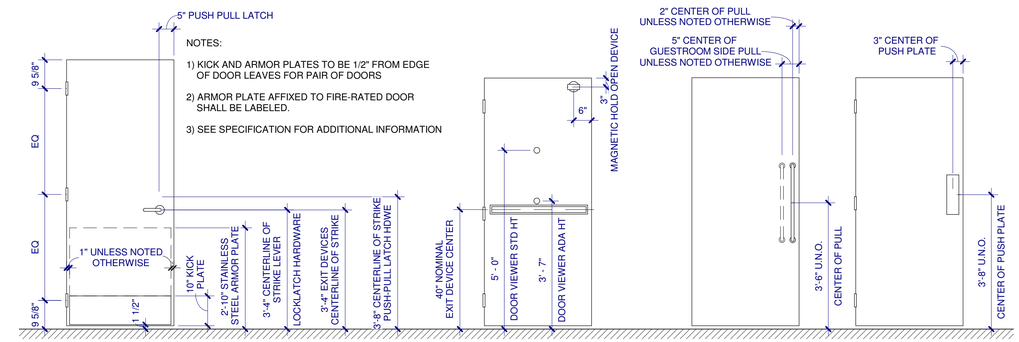


ACCESSIBLE SHOWER - TRANSFER TYPE SHOWER WITH SEAT

1. 36" X 36" CLEAR ACCESSIBLE TRANSFER TYPE SHOWER. DIMENSIONS ARE ABSOLUTE CLEAR INSIDE INCLUDING FINISHES.
2. PROVIDE HAND HELD SHOWER WITH SLIDE BAR, ADJUSTABLE MECHANISE AND BE OPERABLE WITH ONE HAND WITHOUT TIGHT GRASPING OR TWISTING OF THE WRIST. MAX. 5 LB FORCE TO OPERATE.
3. GB BLKG TO BE DESIGNED FOR 250 LB LAT. AND DEAD LOADS.
4. HAND HELD SHOWER MUST HAVE A NON-POSITIVE SHUT OFF AND A HOSE THAT IS 59" LONG MIN.

TYPICAL MOUNTING HEIGHT NOTES:

1. PROVIDE EQUIPMENT, FIXTURE AND FITTING SUPPORT WOOD OR SHEET METAL BLOCKING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS, TYP. UNLESS NOTED OTHERWISE.
2. REFER TO PLANS AND ELEVATIONS FOR SPECIFIC LOCATIONS OF EQUIPMENT, FIXTURES AND FITTINGS.
3. REFER TO FF&E SPECIFICATIONS FOR ALL DECORATIVE BATHROOM ACCESSORIES.



NOTES:

1) KICK AND ARMOR PLATES TO BE 1/2" FROM EDGE OF DOOR LEAVES FOR PAIR OF DOORS

2) ARMOR PLATE AFFIXED TO FIRE-RATED DOOR SHALL BE LABELED.

3) SEE SPECIFICATION FOR ADDITIONAL INFORMATION

DOOR HARDWARE ELEVATIONS (2)

1/2" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: Author

checked by: FTM

project no: 25-104

TYPICAL MOUNTING HEIGHTS & LOCATIONS

G603

9/18/2026 10:35:35 AM

Docusign Envelope ID: 20B52655-0414-41AF-9100-CA335913DD1C

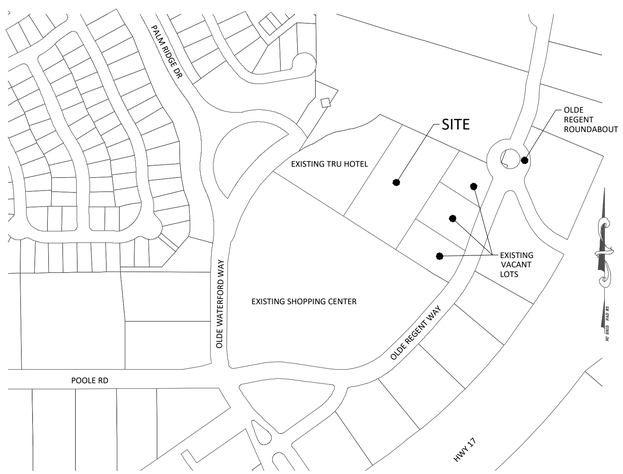
Sitework Plans for

Waterford Place
Leland, NC
Brunswick County

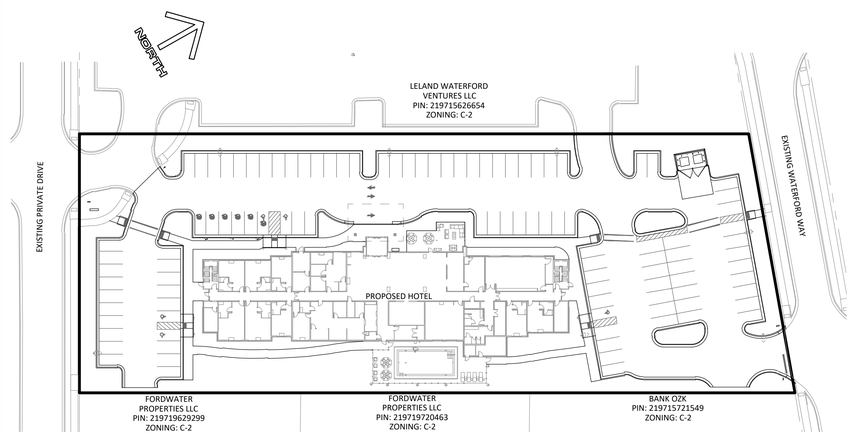
Project Narrative

This project consists of new hotel development on a 2.00 ± acre tract located on Old Waterford Way in Leland, NC. The property is a vacant parcel adjacent to an existing Tru by Hilton hotel. Development will include the hotel building structure, associated drives, stormwater pipe system, sanitary sewer and water services, other utilities, and landscaping. Access will be provided via two existing driveways and an interior access drive to the neighboring Tru by Hilton Hotel. Sanitary sewer and water service is provided by Brunswick Regional H2Go.

Vicinity Map



Site Map



Drawing Index

#	Sheet Title
C-1	Cover Sheet
C-2	Existing Conditions & Demolition Plan
C-3	Erosion & Sediment Control Plan - Initial Phase
C-4	Erosion & Sediment Control Plan - Final Phase
C-5	Site Layout Plan
C-6	Grading Plan
C-7	Storm Drainage Plan
C-8	Utility Plan
C-9	Landscape Planting Plan
C-10	NCGO1 Notes
C-11	Erosion & Sediment Control Details
C-12	Miscellaneous Details
C-13	Water & Sewer Details 1
C-14	Water & Sewer Details 2

© COPYRIGHT 2025 BY BLUE RIDGE ENGINEERING PLLC, NC LICENSE #P-0205, ALL RIGHTS RESERVED. THIS PLAN MAY NOT BE RE-USED, SOLD, LOANED OR GIVEN TO OTHERS. REPRODUCTION OR PHOTOCOPYING OF THIS PLAN WITHOUT THE WRITTEN CONSENT OF BLUE RIDGE ENGINEERING PLLC IS PROHIBITED.

ORIGINAL ISSUE DATE: 08/27/2025
PROJECT # 24027
DRAWN BY: MDS

REVISIONS:
1 04/15/25 TOWN COMMENTS
2 05/05/25 NEW BUILDING FOOTPRINT
3 09/03/25 NEW BUILDING FOOTPRINT/TOWN COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 35010 ENGINEER
DocuSigned by: R. Devin Stalls
09/03/2025

Blue Ridge Engineering PLLC
924 Main Street - Suite 200
North Wilkesboro, NC 28659
336.838.2500
www.ridge.blue
Firm #P-0205

Prepared for:
Leland Hampton Ventures, LLC
3722 Shipyard Blvd, Suite C
Wilmington, NC 28403

Cover Sheet
Hampton Inn Hotel
Old Waterford Way
Leland, NC 28451

SHEET
C-1

PERMIT SET - NOT FOR CONSTRUCTION

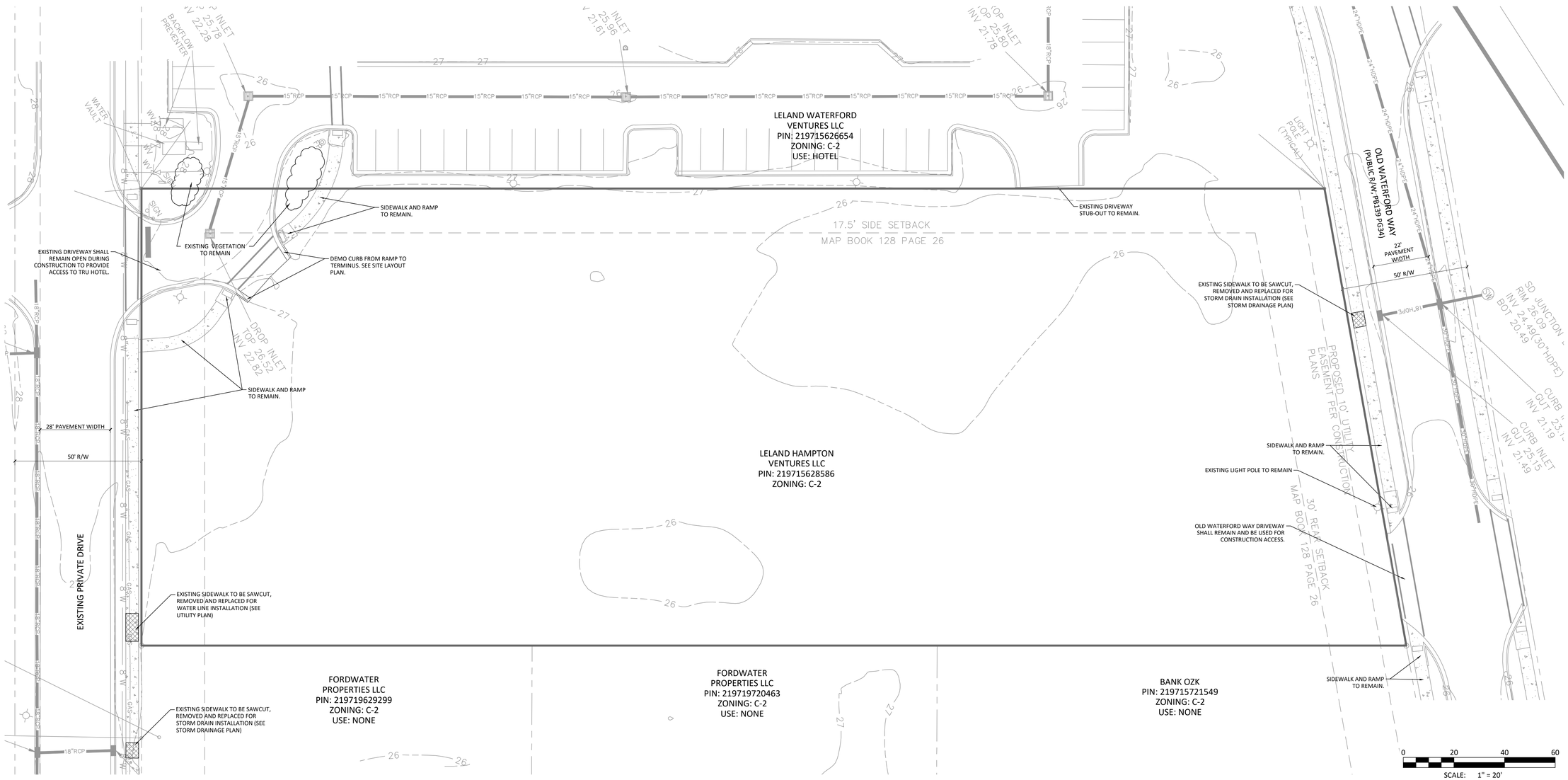
Docusign Envelope ID: 20B52655-0414-41AF-9100-CA335913DD1C

SITE NOTES

1. THIS IS NOT A SURVEY. INFORMATION SHOWN TAKEN FROM SURVEY PREPARED BY MICHAEL UNDERWOOD & ASSOCIATES, PA. SEE SURVEY FOR ADDITIONAL INFORMATION.
2. THIS PLAN IS TO BE USED FOR SITE DEVELOPMENT CONSTRUCTION REFERENCE ONLY. CONTRACTOR SHALL IMMEDIATELY NOTIFY BLUE RIDGE ENGINEERING IF CONDITIONS ARE ENCOUNTERED THAT ARE NOT AS SHOWN.
3. LOCATIONS OF UTILITIES SHOWN ARE BASED ON EVIDENCE OBSERVED AT THE TIME OF SURVEY. OTHER UTILITIES MAY EXIST THAT ARE NOT SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL EXISTING UTILITY LINES, AND TO PROTECT THESE LINES DURING CONSTRUCTION.
4. FLOOD HAZARD STATEMENT: THIS PROPERTY LIES WITHIN "ZONE X" OTHER AREAS, AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. INFORMATION OBTAINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), NATIONAL FLOOD INSURANCE PROGRAM (NFIP), FLOOD INSURANCE RATE MAP (FIRM), PANEL NUMBER 2197, MAP NUMBER 3720-2197-00K, HAVING AN EFFECTIVE DATE OF AUGUST 28, 2018.

CLEARING AND GRADING NOTES

1. GRADING SHALL NOT PROCEED UNTIL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED.
2. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING THAT ALL ASSOCIATED PERMITS AND APPROVALS HAVE BEEN OBTAINED FOR THIS WORK. NO WORK SHALL BE PERFORMED OUTSIDE THE DISTURBED LIMITS SHOWN ON THIS PLAN. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL ORDINANCES. CONTRACTOR IS RESPONSIBLE FOR ALL NESHAP NOTIFICATIONS REQUIRED. ALL SUCH NOTIFICATIONS SHALL BE MADE AT LEAST TWO WEEKS PRIOR TO ANY DEMOLITION WORK.
3. ALL ASPHALT, TREES, STUMPS, BRUSH, ROOTS, STRUCTURES, WALLS, FOUNDATIONS, CURBS, TANKS, BARRELS, FLOOR SLABS, CONCRETE, METAL, SEPTIC TANKS, FENCING, SIGNS, POLES, TRASH, OTHER DEBRIS, AND UNSUITABLE FILL MATERIAL SHALL BE PROPERLY DISPOSED OF OFF-SITE. ALL PAVEMENT AND CONCRETE EDGES SHALL BE SAWCUT. ALL CONCRETE SHALL BE REMOVED/REPLACED TO THE NEAREST JOINT. STORM DRAINAGE BOXES, GRATES AND PIPE TO BE REMOVED MAY BE REUSED IF FOUND TO BE SUITABLE BY THE ENGINEER, UNLESS OTHERWISE NOTED.
4. CERTAIN TREES WITHIN 10 FEET OF THE TOP OF ANY CUT SLOPE MAY BE REQUIRED TO BE REMOVED AT THE DISCRETION OF THE ENGINEER. CERTAIN TREES WITHIN 5 FEET OF THE CLEARING LIMITS SHOWN ON THE DRAWINGS MAY BE REQUIRED TO BE REMOVED AT THE DISCRETION OF THE ENGINEER.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY, METHODS, MEANS, PROCEDURES AND SEQUENCES OF ITS OPERATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL FOR ITS OPERATIONS. CONTRACTOR SHALL INSTALL ABUNDANT ORANGE SAFETY FENCING ON THE PROJECT TO PREVENT OTHERS FROM ENTERING THE WORK AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFETY FENCING AS NECESSARY FOR THE DURATION OF THE PROJECT.
6. THE LOCATION OF UTILITIES SHOWN ON THE PLANS SHALL BE CONSIDERED APPROXIMATE. ALL UTILITIES MAY NOT BE SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL EXISTING UTILITY LINES WHETHER SHOWN ON THE PLANS OR NOT. CONTRACTOR SHALL CONTACT ULOCO. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR WITHIN RIGHT-OF-WAY PRIOR TO EXCAVATION. UTILITY ADJUSTMENTS AND/OR REMOVAL/RELOCATION IS INCLUDED IN THE SCOPE OF WORK. CONTRACTOR IS RESPONSIBLE FOR WORK ASSOCIATED WITH MAINTAINING/REPAIRING UTILITY SERVICES AS NECESSARY.
7. ALL FILL PLACED SHALL PASS A PROOF-ROLL TEST BEFORE AND AFTER INSTALLATION OF STONE BASE, SLABS OR PAVEMENTS. SUBGRADE SHALL BE INSPECTED AND ACCEPTED BY THE ENGINEER PRIOR TO PLACEMENT OF STONE BASE. STONE BASE SHALL BE INSPECTED AND ACCEPTED BY THE ENGINEER PRIOR TO PLACEMENT OF ASPHALT. CONTRACTOR SHALL PROVIDE A LOADED TRUCK FOR ALL PROOF-ROLLS REQUIRED.
8. ALL WORK IS SUBJECT TO INSPECTION OF THE OWNER, ENGINEER AND AUTHORITIES HAVING JURISDICTION. THE OWNER SHALL PAY FOR ALL QUALITY ASSURANCE TESTING REQUIRED. CONTRACTOR SHALL PROVIDE BLUE RIDGE ENGINEERING 48 HOURS NOTICE FOR ANY TESTING NECESSARY.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY APPROVALS, PERMITS, ETC. AND FOR PROPER DISPOSAL OF ANY MATERIAL REMOVED FROM THE SITE.
10. EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN ON THE PLANS. ALL AREAS OF THE SITE SHALL BE SHAPED TO DRAIN TO EROSION CONTROL DEVICES.
11. THE CONTRACTOR SHALL KEEP ALL STREETS AND ROADWAYS CLEAN. THIS SHALL BE ACCOMPLISHED BY STREET SWEEPING AND WASHING AS NECESSARY ON A DAILY BASIS.
12. ALL FILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT. DRYING OR WETTING OF FILL MATERIAL MAY BE REQUIRED TO COMPLY WITH MOISTURE LIMITS SPECIFIED. IF NO GEOTECHNICAL STUDY HAS BEEN PERFORMED, ALL EARTHWORK PLACED SHALL BE WITHIN 5% OF OPTIMUM MOISTURE AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR.
13. THE CONTRACTOR SHALL SMOOTH AND BLEND IN ALL GRADE TRANSITIONS AND PROVIDE POSITIVE DRAINAGE AROUND ALL BUILDINGS. THE TOP OF SLOPE FOR ALL CUT SLOPES SHALL BE ROUNDED. THE FINAL GRADE OF ALL CUT SLOPES SHALL BE SCARIFIED AND TRACKED AS NECESSARY FOR ESTABLISHMENT OF GROUND COVER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY CLARIFICATION IS NEEDED CONCERNING THE INTENT OF THE DRAWINGS, INCLUDING SPOT GRADES, CONTOUR LINES, BREAK POINTS, DRAINAGE PATTERNS, ETC. THE CONTRACTOR SHALL DRAG AND RAKE THE ENTIRE SITE AND LEAVE THE ENTIRE SITE IN A CLEAN, NEAT, SMOOTH CONDITIONS SUITABLE FOR MOWING.
14. SLOPES IN HANDICAP PARKING SPACES AND ACCESS AISLE AREAS SHALL NOT EXCEED 2% IN ANY DIRECTION INCLUDING THE DIAGONAL.
15. THIS PROJECT MAY INCLUDE MATERIAL TO BE IMPORTED/EXPORTED TO/FROM THIS SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITTING AND APPROVALS REQUIRED FOR ANY OFF-SITE BORROW AREAS OR WASTE AREAS.
16. CONTRACTOR SHALL MAINTAIN A STAMPED APPROVED SET OF PLANS ON THE JOB SITE AT ALL TIMES.



© COPYRIGHT 2025 BY BLUE RIDGE ENGINEERING PLLC, NC LICENSE #P-0205, ALL RIGHTS RESERVED. THIS PLAN MAY NOT BE RE-USED, SOLD, LOANED OR GIVEN TO OTHERS. REPRODUCTION OR PHOTOCOPYING OF THIS PLAN WITHOUT THE WRITTEN CONSENT OF BLUE RIDGE ENGINEERING PLLC IS PROHIBITED.

DRAWN BY: MDS
PROJECT # 24027
ORIGINAL ISSUE DATE: 08/27/2025
REVISIONS:
1 04/15/25 TOWN COMMENTS
2 06/02/25 NEW BUILDING FOOTPRINT
3 09/03/25 NEW BUILDING FOOTPRINT/TOWN COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 35010 ENGINEER
09/03/2025

Blue Ridge Engineering PLLC
924 Main Street - Suite 200
North Wilkesboro, NC 28659
336.838.2500
www.ridge.blue
Firm #P-0205

Prepared for:
Leland Hampton Ventures, LLC
3722 Shipyard Blvd, Suite C
Wilmington, NC 28403

Existing Conditions & Demolition Plan

Hampton Inn Hotel

Old Waterford Way
Leland, NC 28451

SHEET
C-2

PERMIT SET - NOT FOR CONSTRUCTION

Docusign Envelope ID: 20B52655-0414-41AF-9100-CA335913DD1C

EROSION & SEDIMENT CONTROL NOTES

1. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING THAT ALL ASSOCIATED PERMITS AND APPROVALS HAVE BEEN OBTAINED FOR THIS WORK. NO WORK SHALL BE PERFORMED OUTSIDE THE DISTURBED LIMITS SHOWN ON THIS PLAN. CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
2. ALL EXPOSED AREAS SHALL BE SEEDED AS SPECIFIED WITHIN 7 DAYS OF ESTABLISHING FINAL GRADE OR IF CONSTRUCTION ACTIVITY CEASES FOR LONGER THAN 7 DAYS. CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
3. CONTRACTOR IS RESPONSIBLE FOR ALL NCDENR INSPECTION REPORTS AND RECORD KEEPING AS REQUIRED. CONTRACTOR SHALL SUPPLY AND INSTALL A RAIN GAUGE ON SITE.
4. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) DAYS AND WITHIN 24 HOURS OF A RAINFALL EXCEEDING 0.5 INCHES DURING A 24-HOUR PERIOD OR MORE FREQUENTLY IF REQUIRED BY GOVERNING NPDES GENERAL PERMIT. ANY REPAIRS OR MAINTENANCE DETERMINED NECESSARY SHALL COMMENCE WITHIN 24 HOURS AND BE COMPLETED WITHIN 48 HOURS OF INSPECTION AND REPORT.
5. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE. CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY TO PREVENT SEDIMENT FROM REACHING ANY EXISTING WATER BODIES OR WETLANDS. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING GROUND COVER ON ALL DISTURBED AREAS, INCLUDING ALL SLOPES. ALL SLOPES SHALL BE HYDRO-SEEDED WITH TACKIFIER ADDED. EROSION CONTROL MATTING SHALL ALSO BE PROVIDED ON ALL SLOPES STEEPER THAN 2:1 AND ON ANY OTHER AREAS AS NECESSARY TO PREVENT EROSION AND ESTABLISH GROUND COVER. ANY AREA THAT SHOWS DISTRESS SHALL BE MATTED.
7. EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN ON THE PLANS. ALL AREAS OF THE SITE SHALL BE SHAPED TO DRAIN TO EROSION CONTROL DEVICES. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
8. SILT FENCE STONE OUTLETS SHALL BE INSTALLED IF NECESSARY EVERY 100LF AND AT LOW POINTS ALONG THE SILT FENCE. SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT TRAP(S) OR BASIN(S) BEFORE REACHING 25% FULL AND FROM SILT FENCE BEFORE IT IS 33% FULL.
9. THE CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY, METHODS, PROCEDURES, AND SEQUENCES OF ITS OPERATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL FOR ITS OPERATIONS.
10. LOCATIONS OF UTILITIES SHOWN ARE BASED ON EVIDENCE OBSERVED AT THE TIME OF SURVEY. OTHER UTILITIES MAY EXIST THAT ARE NOT SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL EXISTING UTILITY LINES, AND TO PROTECT THESE LINES DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL KEEP ALL STREETS AND ROADWAYS CLEAN AT ALL TIMES. THIS SHALL BE ACCOMPLISHED BY STREET SWEEPING AND WASHING AS NECESSARY ON A DAILY BASIS.
12. CONTRACTOR SHALL MAINTAIN AN APPROVED SET OF PLANS ON THE JOB SITE AT ALL TIMES.
13. CONTRACTOR SHALL CONTACT EROSION CONTROL DEPARTMENT PRIOR TO REMOVAL OF ANY SEDIMENT CONTROL MEASURES.

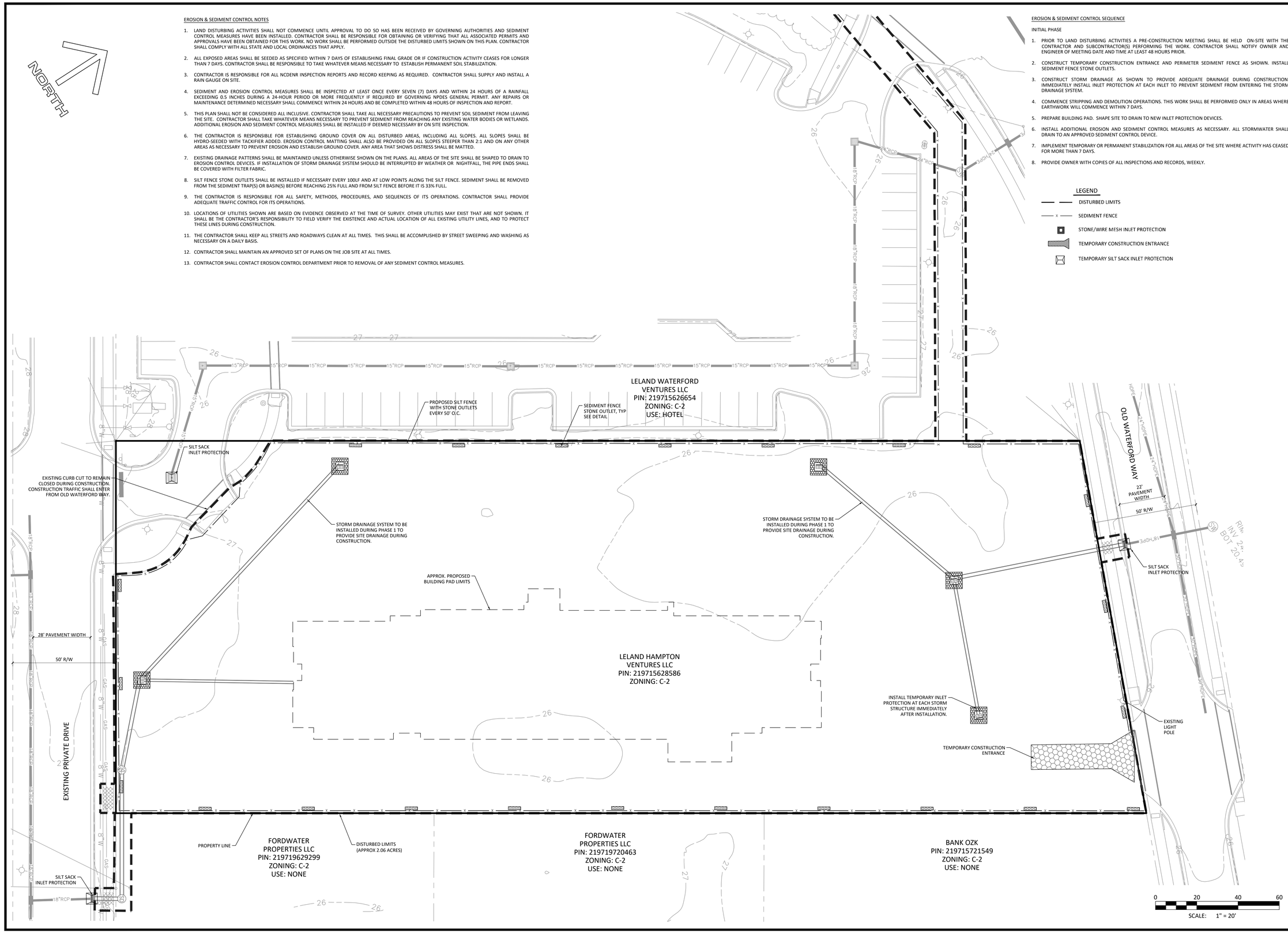
EROSION & SEDIMENT CONTROL SEQUENCE

INITIAL PHASE

1. PRIOR TO LAND DISTURBING ACTIVITIES A PRE-CONSTRUCTION MEETING SHALL BE HELD ON-SITE WITH THE CONTRACTOR AND SUBCONTRACTOR(S) PERFORMING THE WORK. CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER OF MEETING DATE AND TIME AT LEAST 48 HOURS PRIOR.
2. CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE AND PERIMETER SEDIMENT FENCE AS SHOWN. INSTALL SEDIMENT FENCE STONE OUTLETS.
3. CONSTRUCT STORM DRAINAGE AS SHOWN TO PROVIDE ADEQUATE DRAINAGE DURING CONSTRUCTION. IMMEDIATELY INSTALL INLET PROTECTION AT EACH INLET TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAINAGE SYSTEM.
4. COMMENCE STRIPPING AND DEMOLITION OPERATIONS. THIS WORK SHALL BE PERFORMED ONLY IN AREAS WHERE EARTHWORK WILL COMMENCE WITHIN 7 DAYS.
5. PREPARE BUILDING PAD. SHAPE SITE TO DRAIN TO NEW INLET PROTECTION DEVICES.
6. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY. ALL STORMWATER SHALL DRAIN TO AN APPROVED SEDIMENT CONTROL DEVICE.
7. IMPLEMENT TEMPORARY OR PERMANENT STABILIZATION FOR ALL AREAS OF THE SITE WHERE ACTIVITY HAS CEASED FOR MORE THAN 7 DAYS.
8. PROVIDE OWNER WITH COPIES OF ALL INSPECTIONS AND RECORDS, WEEKLY.

LEGEND

- DISTURBED LIMITS
- SEDIMENT FENCE
- STONE/WIRE MESH INLET PROTECTION
- TEMPORARY CONSTRUCTION ENTRANCE
- TEMPORARY SILT SACK INLET PROTECTION



© COPYRIGHT 2025 BY BLUE RIDGE ENGINEERING PLLC, NC LICENSE #P-0205, ALL RIGHTS RESERVED. THIS PLAN MAY NOT BE RE-USED, SOLD, LOANED OR GIVEN TO OTHERS. REPRODUCTION OR PHOTOCOPYING OF THIS PLAN WITHOUT THE WRITTEN CONSENT OF BLUE RIDGE ENGINEERING PLLC IS PROHIBITED.

ORIGINAL ISSUE DATE: 08/27/2025
REVISIONS:
1 04/15/25 TOWN COMMENTS
2 06/06/25 NEW BUILDING FOOTPRINT
3 09/03/25 NEW BUILDING FOOTPRINT/TOWN COMMENTS

PROJECT # 24027
DRAWN BY: MDS

NORTH CAROLINA PROFESSIONAL SEAL 35010 ENGINEER
Docusigned by: Matthew Shelton
09/03/2025

Blue Ridge Engineering PLLC
924 Main Street - Suite 200
North Wilkesboro, NC 28659
336.838.2500
www.ridge.blue
Firm #P-0205

Prepared for:
Leland Hampton Ventures, LLC
3722 Shipyard Blvd, Suite C
Wilmington, NC 28403

Erosion & Sediment Control Plan - Initial Phase

Hampton Inn Hotel

Old Waterford Way
Leland, NC 28451

SHEET
C-3

PERMIT SET - NOT FOR CONSTRUCTION

Docusign Envelope ID: 20B52655-0414-41AF-9100-CA335913DD1C

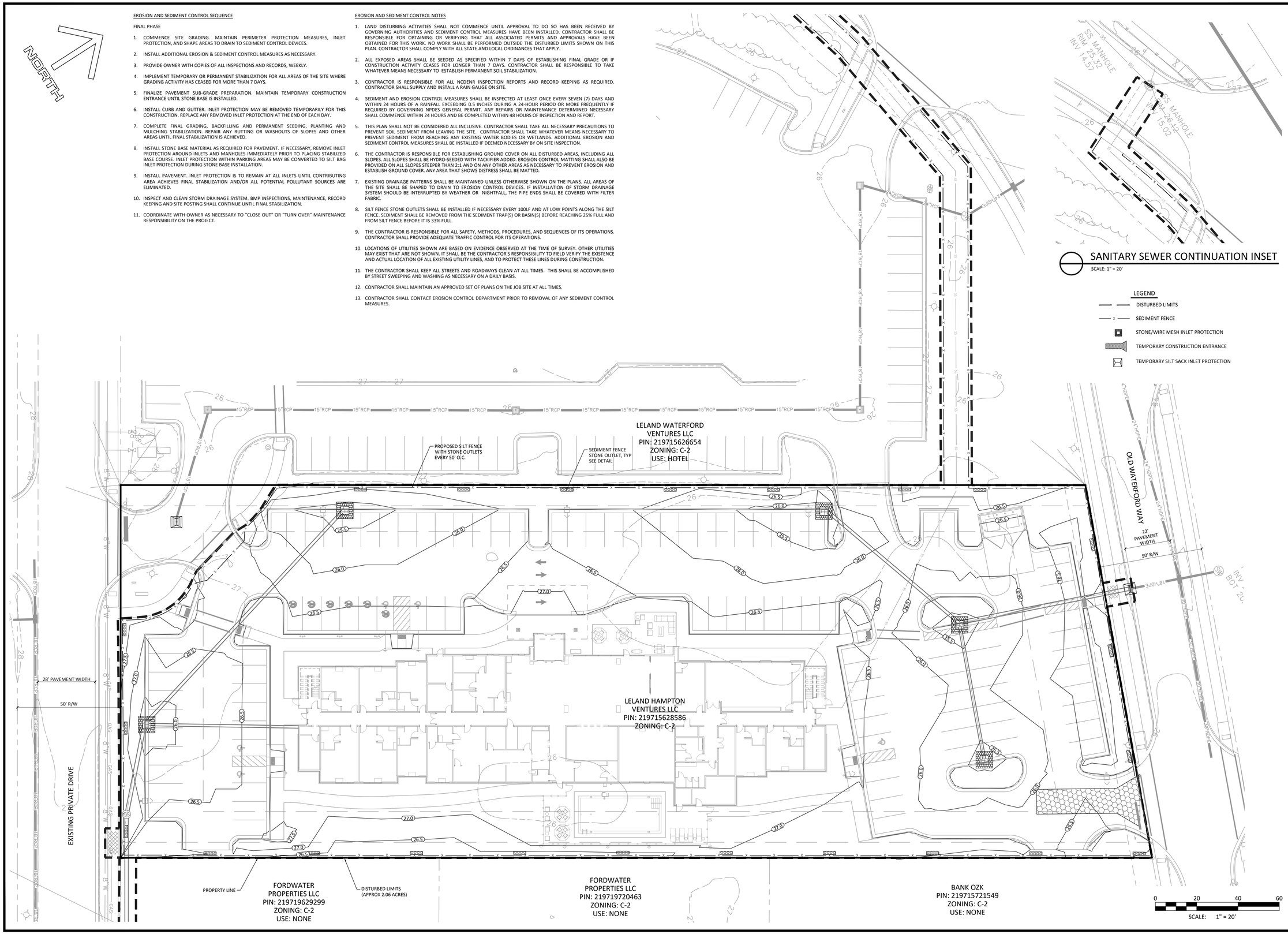
EROSION AND SEDIMENT CONTROL SEQUENCE

FINAL PHASE

1. COMMENCE SITE GRADING. MAINTAIN PERIMETER PROTECTION MEASURES, INLET PROTECTION, AND SHAPE AREAS TO DRAIN TO SEDIMENT CONTROL DEVICES.
2. INSTALL ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES AS NECESSARY.
3. PROVIDE OWNER WITH COPIES OF ALL INSPECTIONS AND RECORDS, WEEKLY.
4. IMPLEMENT TEMPORARY OR PERMANENT STABILIZATION FOR ALL AREAS OF THE SITE WHERE GRADING ACTIVITY HAS CEASED FOR MORE THAN 7 DAYS.
5. FINALIZE PAVEMENT SUB-GRADE PREPARATION. MAINTAIN TEMPORARY CONSTRUCTION ENTRANCE UNTIL STONE BASE IS INSTALLED.
6. INSTALL CURB AND GUTTER. INLET PROTECTION MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION. REPLACE ANY REMOVED INLET PROTECTION AT THE END OF EACH DAY.
7. COMPLETE FINAL GRADING, BACKFILLING AND PERMANENT SEEDING, PLANTING AND MULCHING STABILIZATION. REPAIR ANY RUTTING OR WASHOUTS OF SLOPES AND OTHER AREAS UNTIL FINAL STABILIZATION IS ACHIEVED.
8. INSTALL STONE BASE MATERIAL AS REQUIRED FOR PAVEMENT. IF NECESSARY, REMOVE INLET PROTECTION AROUND INLETS AND MANHOLES IMMEDIATELY PRIOR TO PLACING STABILIZED BASE COURSE. INLET PROTECTION WITHIN PARKING AREAS MAY BE CONVERTED TO SILT BAG INLET PROTECTION DURING STONE BASE INSTALLATION.
9. INSTALL PAVEMENT. INLET PROTECTION IS TO REMAIN AT ALL INLETS UNTIL CONTRIBUTING AREA ACHIEVES FINAL STABILIZATION AND/OR ALL POTENTIAL POLLUTANT SOURCES ARE ELIMINATED.
10. INSPECT AND CLEAN STORM DRAINAGE SYSTEM. BMP INSPECTIONS, MAINTENANCE, RECORD KEEPING AND SITE POSTING SHALL CONTINUE UNTIL FINAL STABILIZATION.
11. COORDINATE WITH OWNER AS NECESSARY TO "CLOSE OUT" OR "TURN OVER" MAINTENANCE RESPONSIBILITY ON THE PROJECT.

EROSION AND SEDIMENT CONTROL NOTES

1. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING THAT ALL ASSOCIATED PERMITS AND APPROVALS HAVE BEEN OBTAINED FOR THIS WORK. NO WORK SHALL BE PERFORMED OUTSIDE THE DISTURBED LIMITS SHOWN ON THIS PLAN. CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
2. ALL EXPOSED AREAS SHALL BE SEEDED AS SPECIFIED WITHIN 7 DAYS OF ESTABLISHING FINAL GRADE OR IF CONSTRUCTION ACTIVITY CEASES FOR LONGER THAN 7 DAYS. CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
3. CONTRACTOR IS RESPONSIBLE FOR ALL NCDENR INSPECTION REPORTS AND RECORD KEEPING AS REQUIRED. CONTRACTOR SHALL SUPPLY AND INSTALL A RAIN GAUGE ON SITE.
4. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) DAYS AND WITHIN 24 HOURS OF A RAINFALL EXCEEDING 0.5 INCHES DURING A 24-HOUR PERIOD OR MORE FREQUENTLY IF REQUIRED BY GOVERNING NPDES GENERAL PERMIT. ANY REPAIRS OR MAINTENANCE DETERMINED NECESSARY SHALL COMMENCE WITHIN 24 HOURS AND BE COMPLETED WITHIN 48 HOURS OF INSPECTION AND REPORT.
5. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE. CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY TO PREVENT SEDIMENT FROM REACHING ANY EXISTING WATER BODIES OR WETLANDS. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING GROUND COVER ON ALL DISTURBED AREAS, INCLUDING ALL SLOPES. ALL SLOPES SHALL BE HYDRO-SEEDED WITH TACKIFIER ADDED. EROSION CONTROL MATTING SHALL ALSO BE PROVIDED ON ALL SLOPES STEEPER THAN 2:1 AND ON ANY OTHER AREAS AS NECESSARY TO PREVENT EROSION AND ESTABLISH GROUND COVER. ANY AREA THAT SHOWS DISTRESS SHALL BE MATTED.
7. EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN ON THE PLANS. ALL AREAS OF THE SITE SHALL BE SHAPED TO DRAIN TO EROSION CONTROL DEVICES. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
8. SILT FENCE STONE OUTLETS SHALL BE INSTALLED IF NECESSARY EVERY 100LF AND AT LOW POINTS ALONG THE SILT FENCE. SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT TRAP(S) OR BASIN(S) BEFORE REACHING 25% FULL AND FROM SILT FENCE BEFORE IT IS 33% FULL.
9. THE CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY, METHODS, PROCEDURES, AND SEQUENCES OF ITS OPERATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL FOR ITS OPERATIONS.
10. LOCATIONS OF UTILITIES SHOWN ARE BASED ON EVIDENCE OBSERVED AT THE TIME OF SURVEY. OTHER UTILITIES MAY EXIST THAT ARE NOT SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL EXISTING UTILITY LINES, AND TO PROTECT THESE LINES DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL KEEP ALL STREETS AND ROADWAYS CLEAN AT ALL TIMES. THIS SHALL BE ACCOMPLISHED BY STREET SWEEPING AND WASHING AS NECESSARY ON A DAILY BASIS.
12. CONTRACTOR SHALL MAINTAIN AN APPROVED SET OF PLANS ON THE JOB SITE AT ALL TIMES.
13. CONTRACTOR SHALL CONTACT EROSION CONTROL DEPARTMENT PRIOR TO REMOVAL OF ANY SEDIMENT CONTROL MEASURES.



© COPYRIGHT 2025 BY BLUE RIDGE ENGINEERING PLLC, NC LICENSE #P-0205, ALL RIGHTS RESERVED. THIS PLAN MAY NOT BE RE-USED, SOLD, LOANED OR GIVEN TO OTHERS. REPRODUCTION OR PHOTOCOPYING OF THIS PLAN WITHOUT THE WRITTEN CONSENT OF BLUE RIDGE ENGINEERING PLLC IS PROHIBITED.

DRAWN BY: MDS
PROJECT # 24027
ORIGINAL ISSUE DATE: 08/27/2025
REVISIONS:
1 04/15/25 TOWN COMMENTS
2 07/08/25 NEW BUILDING FOOTPRINT
3 09/03/25 NEW BUILDING FOOTPRINT/TOWN COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 35010 ENGINEER R. Travis Stokes
09/03/2025

Blue Ridge Engineering PLLC
924 Main Street - Suite 200
North Wilkesboro, NC 28659
336.838.2500
www.ridge.blue
Firm #P-0205

Prepared for:
Leland Hampton Ventures, LLC
3722 Shipyard Blvd, Suite C
Wilmington, NC 28403

Erosion & Sediment Control Plan - Final Phase

Hampton Inn Hotel

Old Waterford Way
Leland, NC 28451

SHEET
C-4

PERMIT SET - NOT FOR CONSTRUCTION

Docusign Envelope ID: 20B52655-0414-41AF-9100-CA335913DD1C

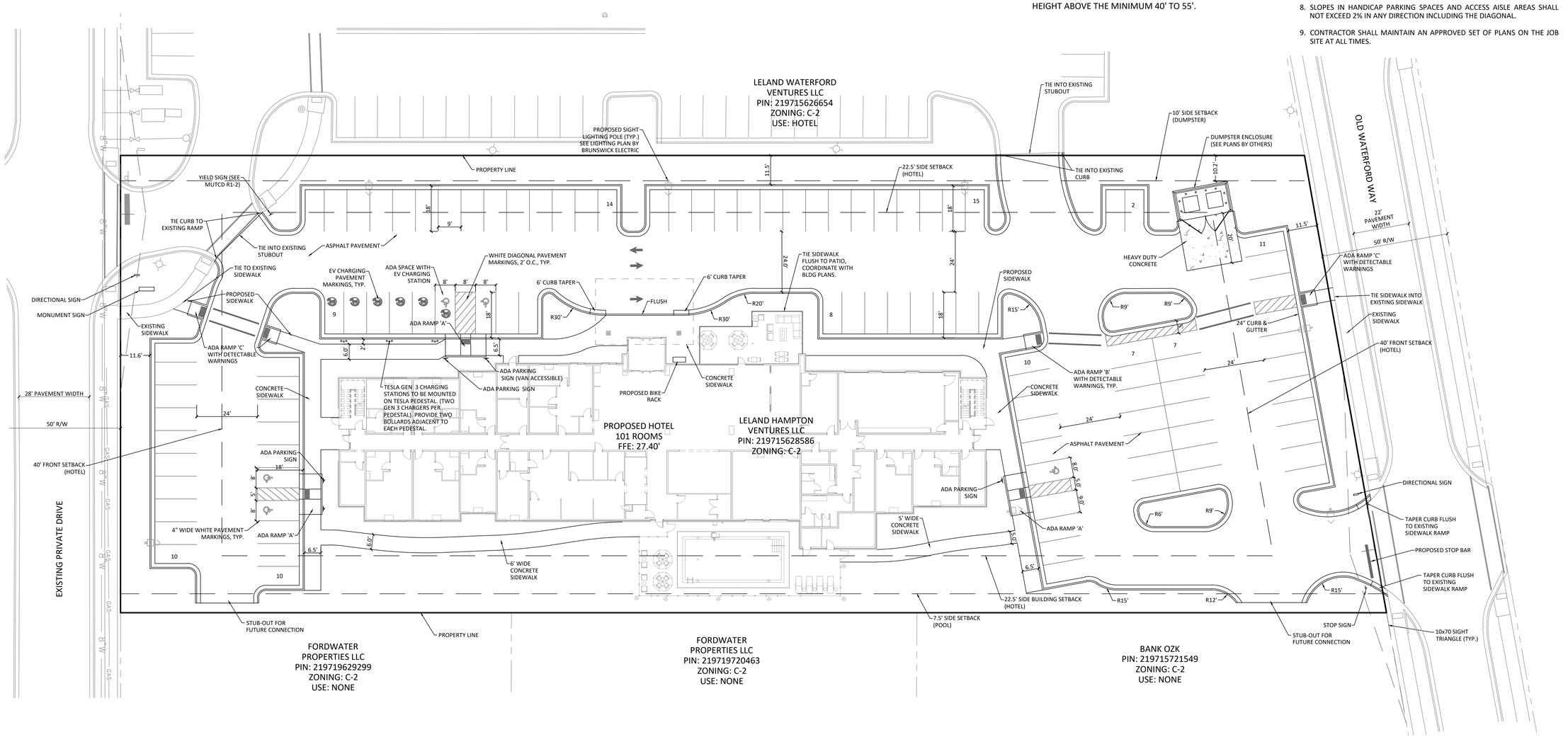
SITE DATA

GENERAL	
LATITUDE	34°13'12.07"N
LONGITUDE	78° 1'4.54"W
PARCEL ID:	0470003811
PIN:	219715628586
PROPOSED LOT SIZE	2.00 AC.
ZONING	C-2
PROPOSED USE	
USE	HOTEL (101 ROOMS)
PARKING:	
REQUIRED	101 SPACES (1 PER ROOM)
PROVIDED	103 SPACES
IMPERVIOUS AREA:	1.50 AC. or 65,493 SF (75.1%)
SETBACKS	
FRONTYARD SETBACK*:	25' MINIMUM + BUILDING HEIGHT
SIDE SETBACK*:	7.5' MINIMUM + BUILDING HEIGHT
REAR SETBACK*:	20' MINIMUM + BUILDING HEIGHT
BLDG HEIGHT:	55' MAX.*

*SETBACKS INCREASED BY 15' FOR PROPOSED BUILDING HEIGHT ABOVE THE MINIMUM 40' TO 55'.

SITE LAYOUT NOTES

1. THIS IS NOT A PROPERTY SURVEY. SEE SURVEY FOR BOUNDARY INFORMATION.
2. ALL WORK SHALL COMPLY WITH LOCAL ORDINANCES, NCDOT STANDARDS AND OWNER SPECIFICATIONS. ALL SIGNS AND PAVEMENT MARKINGS SHALL COMPLY WITH MUTCD STANDARD.
3. CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY, METHODS, PROCEDURES AND SEQUENCES OF ITS OPERATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL FOR ITS OPERATIONS IN COMPLIANCE WITH MUTCD AND NCDOT STANDARDS. CONTRACTOR SHALL NOTIFY NCDOT, OWNER, AND ENGINEER AT LEAST 72 HOURS IN ADVANCE OF ANY LANE CLOSURE OR TRAFFIC SHIFT.
4. ALL WORK IS SUBJECT TO INSPECTION OF THE OWNER, ENGINEER AND AUTHORITIES HAVING JURISDICTION. THE OWNER SHALL PAY FOR ALL QUALITY ASSURANCE TESTING REQUIRED. CONTRACTOR SHALL PROTECT THE WORK UNTIL SUCH TIME THAT THE PROJECT IS APPROVED AND OPENED TO TRAFFIC.
5. SUBGRADE SHALL BE ACCEPTED BY THE ENGINEER PRIOR TO PLACEMENT OF STONE BASE. CONTRACTOR SHALL PROVIDE A LOADED TRUCK FOR ALL PROOF-ROLLS REQUIRED.
6. STONE BASE SHALL BE ACCEPTED BY THE ENGINEER PRIOR TO ASPHALT PLACEMENT. CONTRACTOR SHALL PROVIDE A LOADED TRUCK FOR ALL PROOF-ROLLS REQUIRED.
7. PAVING CONTRACTOR SHALL PROVIDE A CERTIFIED ROADWAY QUALITY CONTROL TECHNICIAN WITH A NUCLEAR GAGE AT ALL TIMES ASPHALT IS BEING PLACED. IF REQUESTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ASPHALT CORE SAMPLES FOR VERIFICATION OF COMPACTION AND THICKNESS.
8. SLOPES IN HANDICAP PARKING SPACES AND ACCESS AISLE AREAS SHALL NOT EXCEED 2% IN ANY DIRECTION INCLUDING THE DIAGONAL.
9. CONTRACTOR SHALL MAINTAIN AN APPROVED SET OF PLANS ON THE JOB SITE AT ALL TIMES.



© COPYRIGHT 2025 BY BLUE RIDGE ENGINEERING PLLC, NC LICENSE #P-0205, ALL RIGHTS RESERVED. THIS PLAN MAY NOT BE RE-USED, SOLD, LOANED OR GIVEN TO OTHERS. REPRODUCTION OR PHOTOCOPYING OF THIS PLAN WITHOUT THE WRITTEN CONSENT OF BLUE RIDGE ENGINEERING PLLC IS PROHIBITED.

ORIGINAL ISSUE DATE: 08/27/2025
PROJECT # 24027
DRAWN BY: MDS
REVISIONS:
04/15/25 TOWN COMMENTS
05/05/25 NEW BUILDING FOOTPRINT
09/03/25 NEW BUILDING FOOTPRINT/TOWN COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 35010 ENGINEER
09/03/2025

Blue Ridge Engineering PLLC
924 Main Street - Suite 200
North Wilkesboro, NC 28659
336.838.2500
www.ridge.blue
Firm #P-0205

Prepared for:
Leland Hampton Ventures, LLC
3722 Shipyard Blvd, Suite C
Wilmington, NC 28403

Site Layout Plan

Hampton Inn Hotel

Old Waterford Way
Leland, NC 28451

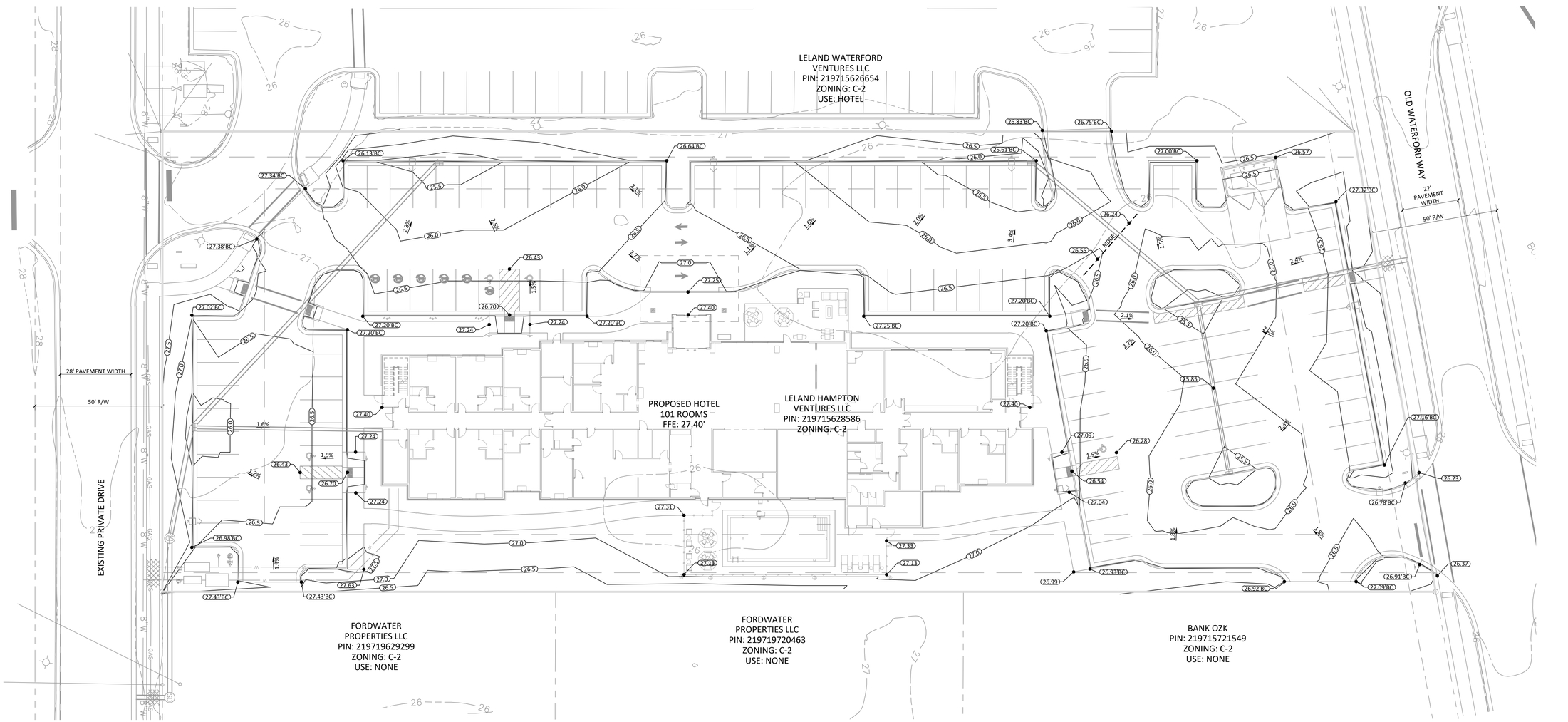
SHEET
C-5

PERMIT SET - NOT FOR CONSTRUCTION

Docusign Envelope ID: 20B52655-0414-41AF-9100-CA335913DD1C

CLEARING AND GRADING NOTES

1. GRADING SHALL NOT PROCEED UNTIL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED.
2. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING THAT ALL ASSOCIATED PERMITS AND APPROVALS HAVE BEEN OBTAINED FOR THIS WORK. NO WORK SHALL BE PERFORMED OUTSIDE THE DISTURBED LIMITS SHOWN ON THIS PLAN. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL ORDINANCES. CONTRACTOR IS RESPONSIBLE FOR ALL NESHAP NOTIFICATIONS REQUIRED. ALL SUCH NOTIFICATIONS SHALL BE MADE AT LEAST TWO WEEKS PRIOR TO ANY DEMOLITION WORK.
3. ALL ASPHALT, TREES, STUMPS, BRUSH, ROOTS, STRUCTURES, WALLS, FOUNDATIONS, CURBS, TANKS, BARRELS, FLOOR SLABS, CONCRETE, METAL, SEPTIC TANKS, FENCING, SIGNS, POLES, TRASH, OTHER DEBRIS, AND UNSUITABLE FILL MATERIAL SHALL BE PROPERLY DISPOSED OF OFF-SITE. ALL PAVEMENT AND CONCRETE EDGES SHALL BE SAWCUT. ALL CONCRETE SHALL BE REMOVED/REPLACED TO THE NEAREST JOINT. STORM DRAINAGE BOXES, GRATES AND PIPE TO BE REMOVED MAY BE REUSED IF FOUND TO BE SUITABLE BY THE ENGINEER, UNLESS OTHERWISE NOTED.
4. CERTAIN TREES WITHIN 10 FEET OF THE TOP OF ANY CUT SLOPE MAY BE REQUIRED TO BE REMOVED AT THE DISCRETION OF THE ENGINEER. CERTAIN TREES WITHIN 5 FEET OF THE CLEARING LIMITS SHOWN ON THE DRAWINGS MAY BE REQUIRED TO BE REMOVED AT THE DISCRETION OF THE ENGINEER.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY, METHODS, MEANS, PROCEDURES AND SEQUENCES OF ITS OPERATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL FOR ITS OPERATIONS. CONTRACTOR SHALL INSTALL ABUNDANT ORANGE SAFETY FENCING ON THE PROJECT TO PREVENT OTHERS FROM ENTERING THE WORK AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFETY FENCING AS NECESSARY FOR THE DURATION OF THE PROJECT.
6. THE LOCATION OF UTILITIES SHOWN ON THE PLANS SHALL BE CONSIDERED APPROXIMATE. ALL UTILITIES MAY NOT BE SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL EXISTING UTILITY LINES WHETHER SHOWN ON THE PLANS OR NOT. CONTRACTOR SHALL CONTACT ULOCO. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR WITHIN RIGHT-OF-WAY PRIOR TO EXCAVATION. UTILITY ADJUSTMENTS AND/OR REMOVAL/RELOCATION IS INCLUDED IN THE SCOPE OF WORK. CONTRACTOR IS RESPONSIBLE FOR WORK ASSOCIATED WITH MAINTAINING/REPAIRING UTILITY SERVICES AS NECESSARY.
7. ALL FILL PLACED SHALL PASS A PROOF-ROLL TEST BEFORE AND AFTER INSTALLATION OF STONE BASE, SLABS OR PAVEMENTS. SUBGRADE SHALL BE ACCEPTED BY THE ENGINEER PRIOR TO PLACEMENT OF STONE BASE. STONE BASE SHALL BE INSPECTED AND ACCEPTED BY THE ENGINEER PRIOR TO PLACEMENT OF ASPHALT. CONTRACTOR SHALL PROVIDE A LOADED TRUCK FOR ALL PROOF-ROLLS REQUIRED.
8. ALL WORK IS SUBJECT TO INSPECTION OF THE OWNER, ENGINEER AND AUTHORITIES HAVING JURISDICTION. THE OWNER SHALL PAY FOR ALL QUALITY ASSURANCE TESTING REQUIRED.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY APPROVALS, PERMITS, ETC. AND FOR PROPER DISPOSAL OF ANY MATERIAL REMOVED FROM THE SITE.
10. EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN ON THE PLANS. ALL AREAS OF THE SITE SHALL BE SHAPED TO DRAIN TO EROSION CONTROL DEVICES.
11. THE CONTRACTOR SHALL KEEP ALL STREETS AND ROADWAYS CLEAN. THIS SHALL BE ACCOMPLISHED BY STREET SWEEPING AND WASHING AS NECESSARY ON A DAILY BASIS.
12. ALL FILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT. DRYING OR WETTING OF FILL MATERIAL MAY BE REQUIRED TO COMPLY WITH MOISTURE LIMITS SPECIFIED. IF NO GEOTECHNICAL STUDY HAS BEEN PERFORMED, ALL EARTHWORK PLACED SHALL BE WITHIN 5% OF OPTIMUM MOISTURE AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR.
13. THE CONTRACTOR SHALL SMOOTH AND BLEND IN ALL GRADE TRANSITIONS AND PROVIDE POSITIVE DRAINAGE AROUND ALL BUILDINGS. THE TOP OF SLOPE FOR ALL CUT SLOPES SHALL BE ROUNDED. THE FINAL GRADE OF ALL CUT SLOPES SHALL BE SCARIFIED AND TRACKED AS NECESSARY FOR ESTABLISHMENT OF GROUND COVER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY CLARIFICATION IS NEEDED CONCERNING THE INTENT OF THE DRAWINGS, INCLUDING SPOT GRADES, CONTOUR LINES, BREAK POINTS, DRAINAGE PATTERNS, ETC. THE CONTRACTOR SHALL DRAG AND RAKE THE ENTIRE SITE AND LEAVE THE ENTIRE SITE IN A CLEAN, NEAT, SMOOTH CONDITIONS SUITABLE FOR MOWING.
14. SLOPES IN ADA PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2% IN ANY DIRECTION INCLUDING THE DIAGONAL.
15. THIS PROJECT MAY INCLUDE MATERIAL TO BE IMPORTED/EXPORTED TO/FROM THIS SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITTING AND APPROVALS REQUIRED FOR ANY OFF-SITE BORROW AREAS OR WASTE AREAS.
16. CONTRACTOR SHALL MAINTAIN A STAMPED APPROVED SET OF PLANS ON THE JOB SITE AT ALL TIMES.



© COPYRIGHT 2025 BY BLUE RIDGE ENGINEERING PLLC, NC LICENSE #P-0205, ALL RIGHTS RESERVED. THIS PLAN MAY NOT BE RE-USED, SOLD, LOANED OR GIVEN TO OTHERS. REPRODUCTION OR PHOTOCOPYING OF THIS PLAN WITHOUT THE WRITTEN CONSENT OF BLUE RIDGE ENGINEERING PLLC IS PROHIBITED.

ORIGINAL ISSUE DATE: 08/27/2025
PROJECT # 24027
DRAWN BY: MDS

REVISIONS:
1 04/15/25 TOWN COMMENTS
2 05/05/25 NEW BUILDING FOOTPRINT
3 09/03/25 NEW BUILDING FOOTPRINT/TOWN COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 35010 ENGINEER
DocuSigned by: M. Travis Stanley
09/03/2025

Blue Ridge Engineering PLLC
924 Main Street - Suite 200
North Wilkesboro, NC 28659
336.838.2500
www.ridge.blue
Firm #P-0205

Prepared for:
Leland Hampton Ventures, LLC
3722 Shipyard Blvd, Suite C
Wilmington, NC 28403

Grading Plan

Hampton Inn Hotel

Old Waterford Way
Leland, NC 28451

SHEET
C-6

PERMIT SET - NOT FOR CONSTRUCTION

Docusign Envelope ID: 20B52655-0414-41AF-9100-CA335913DD1C

STORM DRAINAGE NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY, METHODS, MEANS, PROCEDURES AND SEQUENCES OF ITS OPERATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL FOR ITS OPERATIONS.

2. THE LOCATION OF UTILITIES SHOWN ON THE PLANS SHALL BE CONSIDERED APPROXIMATE. ALL UTILITIES MAY NOT BE SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL EXISTING UTILITY LINES WHETHER SHOWN ON THE PLANS OR NOT. CONTRACTOR SHALL CONTACT ULOCO.

3. DURING STORM DRAIN PIPING INSTALLATION, PIPE ENDS SHALL BE PROTECTED OVERNIGHT WITH FILTER FABRIC, WASHED STONE, OR OTHER APPROPRIATE MEASURES TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAINAGE SYSTEM SHOULD A RAINFALL EVENT OCCUR.

4. ALL BACKFILL IN UTILITY TRENCHES SHALL BE TESTED. ALL BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. DRYING OR WETTING OF FILL MATERIAL MAY BE REQUIRED TO COMPLY WITH MOISTURE LIMITS SPECIFIED. IF NO GEOTECHNICAL STUDY HAS BEEN PERFORMED, ALL EARTHWORK PLACED SHALL BE WITHIN 5% OF OPTIMUM MOISTURE AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR.

5. ALL WORK IS SUBJECT TO INSPECTION OF THE OWNER, ENGINEER AND AUTHORITIES HAVING JURISDICTION. THE OWNER SHALL PAY FOR ALL QUALITY ASSURANCE TESTING REQUIRED.

6. ALL DRAINAGE STRUCTURES SHALL BE PRE-CAST AND SHALL CONFORM TO NCDOT STANDARD #840 UNLESS OTHERWISE APPROVED BY THE ENGINEER . ALL DRAINAGE STRUCTURES AND PIPING SHALL BE DESIGNED FOR HEAVY DUTY TRAFFIC LOADING.

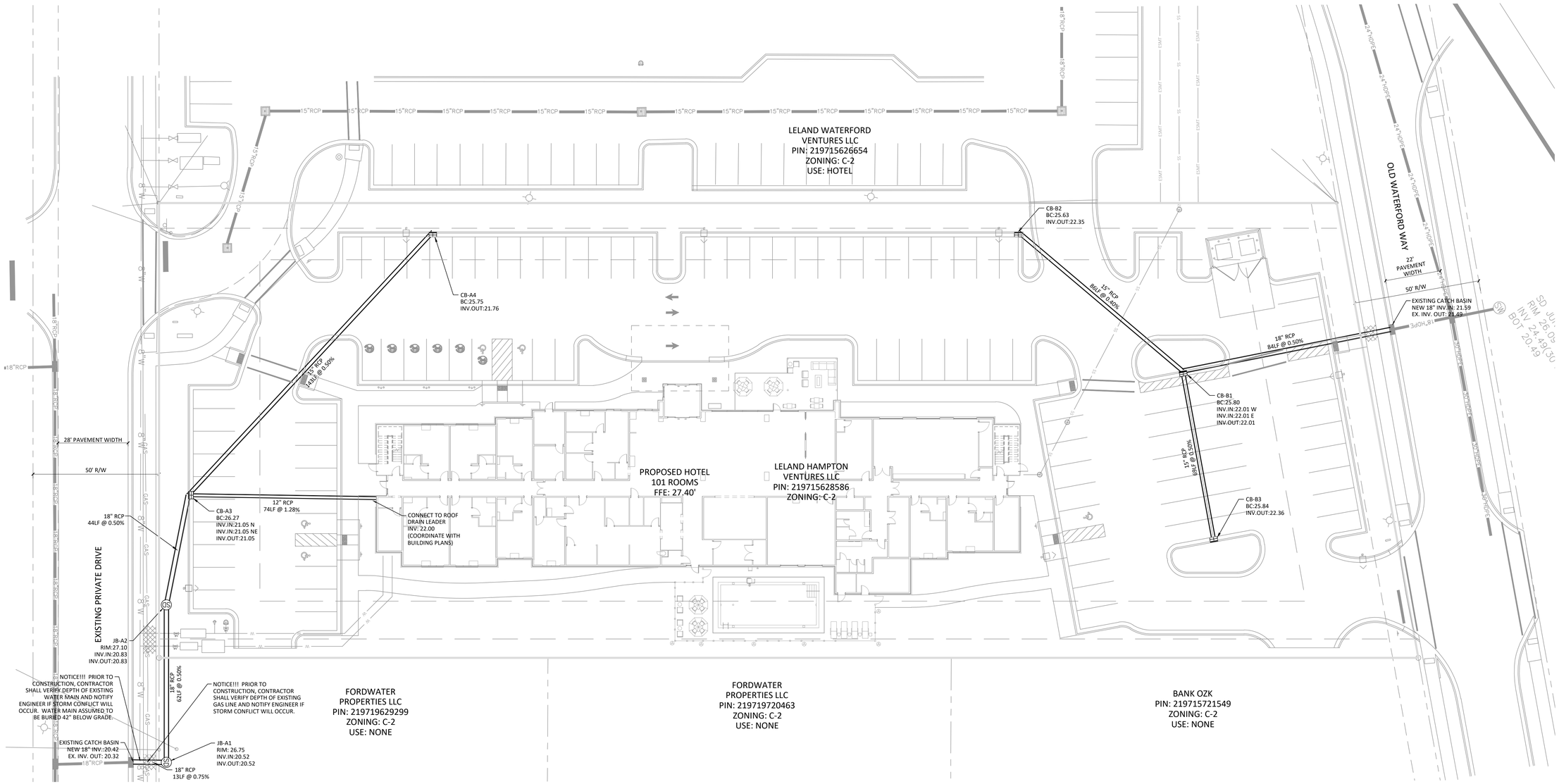
7. ALL STORM DRAIN BOX INVERTS SHALL BE GROUTED OR FILLED WITH CONCRETE SO THAT THERE IS NO SUMP WITH STANDING WATER UPON COMPLETION.

8. WHERE PIPE CONNECTIONS ARE MADE AT BOXES, VOID SPACES SHALL BE GROUTED SOLID WITH MINIMUM 6" MASONRY/GROUT.

9. ALL STORM DRAINAGE PIPE SHALL BE ADS HP STORM GRAY POLYPROPYLENE (ADS HP STORM) PER ASTM F2881 WITH WATERTIGHT JOINTS. INSTALLATION AND FILL HEIGHTS SHALL CONFORM TO MANUFACTURER'S GUIDELINES AND ASTM D2321. SEE HP STORM INSTALLATION GUIDE STD 1301B. REINFORCED CONCRETE PIPE, CLASS III, MAY BE SUBSTITUTED WITH DESIGN ENGINEER'S APPROVAL. ANY OTHER SUBSTITUTIONS SHALL BE APPROVED BY THE DESIGN ENGINEER. STORM DRAINAGE BOXES AND GRATES MAY BE REUSED IF FOUND TO BE SUITABLE BY THE ENGINEER, UNLESS OTHERWISE NOTED.

10. CONCRETE ANCHOR FOOTINGS SHALL BE INSTALLED ON ALL STORM DRAINAGE PIPING EXCEEDING 20% SLOPE.

11. ALL CATCH BASIN FRAMES, GRATES, AND HOODS SHALL CONFORM TO NCDOT STANDARD #840.03, TYPE E, UNLESS OTHERWISE NOTED. ALL JUNCTION BOX MANHOLE FRAMES AND COVERS SHALL CONFORM TO NCDOT STANDARD #840.54, UNLESS OTHERWISE NOTED. ALL PIPE PLUGS SHALL CONFORM TO NCDOT STANDARD #840.71, UNLESS OTHERWISE NOTED.



© COPYRIGHT 2025 BY BLUE RIDGE ENGINEERING PLLC, NC LICENSE #P-0205, ALL RIGHTS RESERVED. THIS PLAN MAY NOT BE RE-USED, SOLD, LOANED OR GIVEN TO OTHERS. REPRODUCTION OR PHOTOCOPYING OF THIS PLAN WITHOUT THE WRITTEN CONSENT OF BLUE RIDGE ENGINEERING PLLC IS PROHIBITED.

ORIGINAL ISSUE DATE: 08/27/2025
PROJECT # 24027
DRAWN BY: MDS

REVISIONS:
1 04/15/25 TOWN COMMENTS
2 05/05/25 NEW BUILDING FOOTPRINT
3 09/03/25 NEW BUILDING FOOTPRINT/TOWN COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 50610 ENGINEER
Docusigned by: M. Travis Stalvey
09/03/2025

Blue Ridge Engineering PLLC
924 Main Street - Suite 200
North Wilkesboro, NC 28659
336.838.2500
www.ridge.blue
Firm #P-0205

Prepared for:
Leland Hampton Ventures, LLC
3722 Shipyard Blvd, Suite C
Wilmington, NC 28403

Storm Drainage Plan

Hampton Inn Hotel

Old Waterford Way
Leland, NC 28451

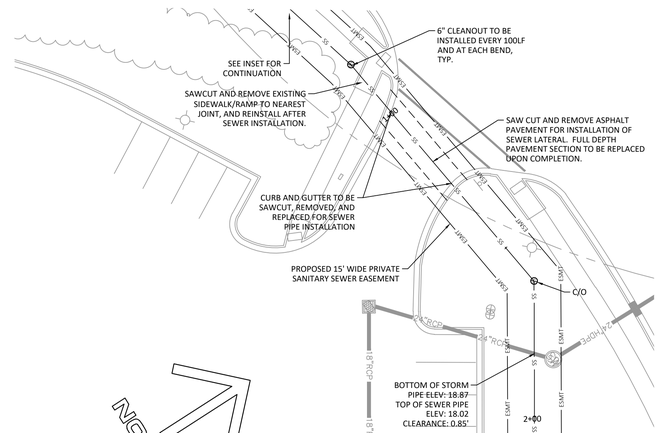
SHEET
C-7

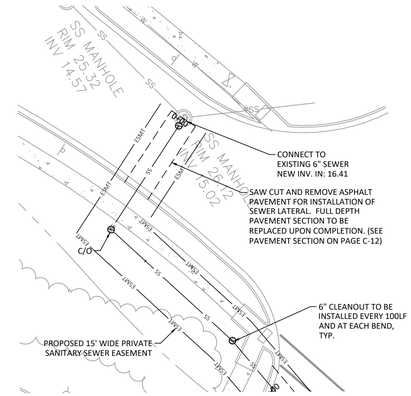
PERMIT SET - NOT FOR CONSTRUCTION

Docusign Envelope ID: 20B52655-0414-41AF-9100-CA335913DD1C

UTILITY NOTES

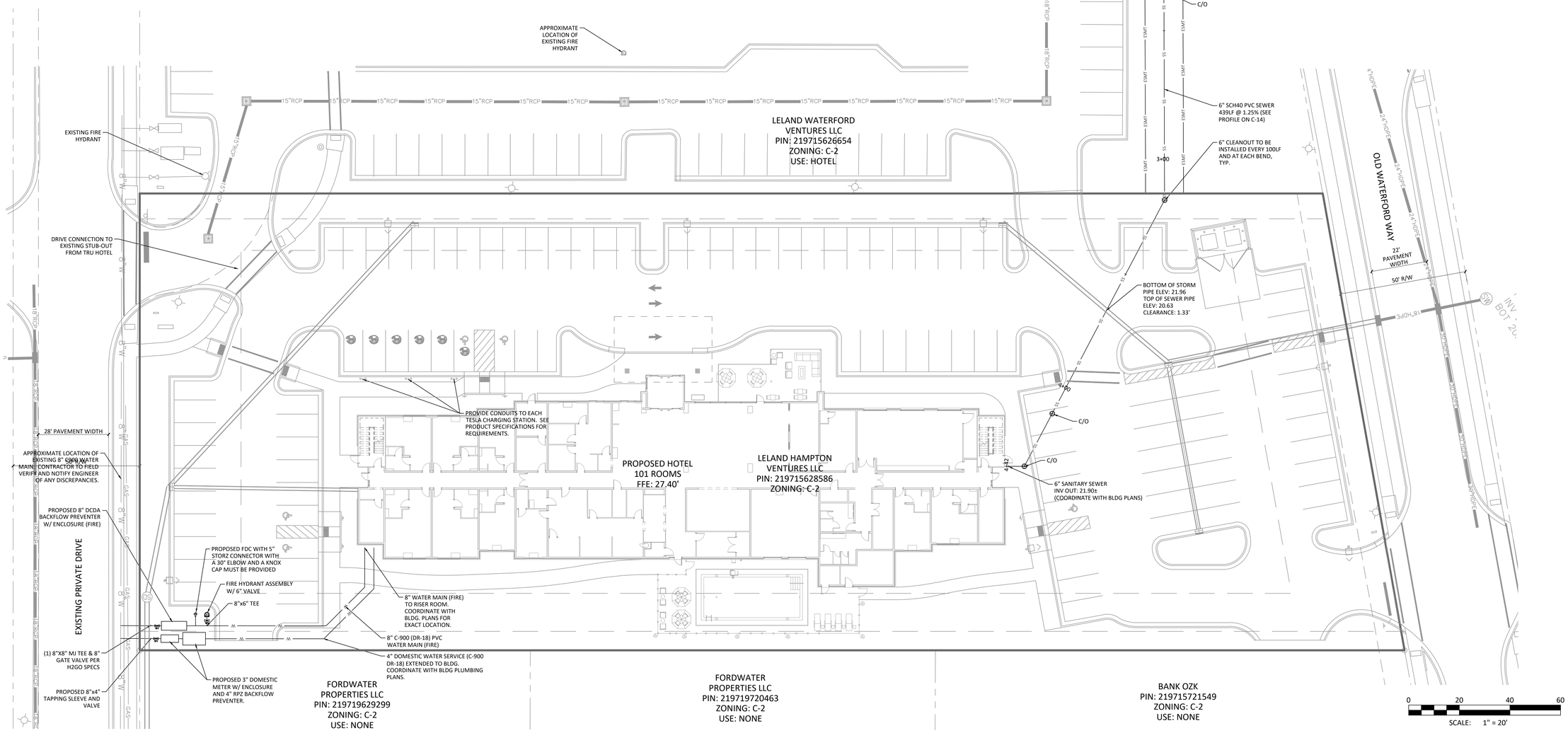
1. CONSTRUCTION SHALL NOT COMMENCE UNTIL A NON-DISCHARGE PERMIT HAS BEEN ISSUED AND A PRECONSTRUCTION CONFERENCE HAS BEEN HELD WITH THE CONTRACTOR AND CITY OF LELAND INSPECTOR ON SITE.
2. ALL SANITARY SEWER CONSTRUCTION SHALL COMPLY WITH CITY OF LELAND TECHNICAL SPECIFICATIONS AND CONSTRUCTION DETAILS. CONTRACTOR IS RESPONSIBLE FOR ALL TESTING AS REQUIRED BY CITY OF LELAND.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY, METHODS, MEANS, PROCEDURES AND SEQUENCES OF ITS OPERATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL FOR ITS OPERATIONS.
4. ALL UTILITY WORK SHALL BE PERFORMED BY A NC LICENSED UTILITY CONTRACTOR.
5. THE LOCATION OF UTILITIES SHOWN ON THE PLANS SHALL BE CONSIDERED APPROXIMATE. ALL UTILITIES MAY NOT BE SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL EXISTING UTILITY LINES WHETHER SHOWN ON THE PLANS OR NOT. CONTRACTOR SHALL CONTACT ULOCO.
6. DURING PIPE LAYING, PIPE ENDS SHALL BE PROTECTED OVERNIGHT WITH APPROPRIATE MEASURES TO PREVENT WATER, DIRT OR OTHER DEBRIS FROM ENTERING THE SYSTEM.
7. ALL BACKFILL IN UTILITY TRENCHES SHALL BE TESTED. ALL BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. DRYING OR WETTING OF FILL MATERIAL MAY BE REQUIRED TO COMPLY WITH MOISTURE LIMITS SPECIFIED. IF NO GEOTECHNICAL STUDY HAS BEEN PERFORMED, ALL EARTHWORK PLACED SHALL BE WITHIN 5% OF OPTIMUM MOISTURE AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR.
8. ALL WORK IS SUBJECT TO INSPECTION OF THE OWNER, ENGINEER AND AUTHORITIES HAVING JURISDICTION. THE OWNER SHALL PAY FOR ALL QUALITY ASSURANCE TESTING REQUIRED.
9. ALL MANHOLES SHALL CONFORM TO NCDOT STANDARD #1525 UNLESS OTHERWISE NOTED. ALL MANHOLE INVERTS SHALL BE GROUTED OR FILLED WITH CONCRETE SO THAT THERE IS NO SUMP WITH STANDING WATER UPON COMPLETION.
10. ALL PIPE MATERIALS SHALL BE AS SPECIFIED ON THE PLANS. NO SUBSTITUTIONS SHALL BE ALLOWED. ALL FIRE LINES SHALL COMPLY WITH NFPA 24 AND STATE BUILDING CODE: FIRE CODE.
11. ALL WATER LINE 6" AND LARGER SHALL HAVE RESTRAINED JOINTS, "MEGALUG" OR EQUAL.
12. MINIMUM SLOPE FOR ANY SEWER LINE SHALL BE 1.0% UNLESS OTHERWISE SHOWN. CONCRETE ANCHOR FOOTINGS SHALL BE INSTALLED ON ALL SEWER LINES EXCEEDING 20% SLOPE.
13. WATER/SEWER CROSSINGS: WHERE SEWER MAINS CROSS OVER WATER MAINS, OR WHERE LESS THAN 18" VERTICAL SEPARATION IS PROVIDED, BOTH WATER MAIN AND SEWER MAIN SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS, SUCH AS THE USE OF DUCTILE IRON PIPE OR C-900, A MINIMUM OF 10 FEET IN EACH DIRECTION.
14. SEWER/STORM CROSSINGS: WHERE SEWER MAINS AND STORM DRAINS CROSS WITH LESS THAN 18" VERTICAL SEPARATION PROVIDED, SEWER MAINS SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS, SUCH AS THE USE OF DUCTILE IRON PIPE OR C-900, A MINIMUM OF 10 FEET IN EACH DIRECTION.
15. WATER/STORM CROSSINGS: WHERE WATER MAINS AND STORM DRAINS CROSS WITH LESS THAN 12" VERTICAL SEPARATION PROVIDED, WATER MAINS SHALL BE DUCTILE IRON PIPE, A MINIMUM OF 10 FEET IN EACH DIRECTION.
16. ALL SERVICE CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH STATE AND LOCAL CODES. CLEANOUTS SHALL BE INSTALLED ON ALL SEWER SERVICE LINES 6" AND SMALLER, AT MINIMUM 75' SPACING.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL PROVIDE ALL APPARATUS NECESSARY FOR ALL PRESSURE TESTING, LEAKAGE TESTING, AND BIOLOGICAL TESTING. ALL TESTING SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVE.
18. CONTRACTOR SHALL COORDINATE ALL WORK AS NECESSARY WITH: POWER COMPANY; TELEPHONE COMPANY; GAS COMPANY; ETC.
19. FIRE APPARATUS ROADS AND WATER SHALL BE IN PLACE AND FUNCTIONING BEFORE COMBUSTIBLE MATERIALS ARE PLACED ON THE PROPERTY.
20. HYDRANTS SHOULD BE 18" FROM THE CENTERLINE OF STEAMER CONNECTION TO FINISH GRADE; THIS INCLUDES LANDSCAPING, AND STEAMER CONNECTION SHALL FACE THE STREET.
21. STREET VIEW OF HYDRANTS SHOULD NOT BE OBSTRUCTED BY LANDSCAPING OR OTHER UTILITIES FOR A 3' RADIUS AROUND THE HYDRANT.
22. ALL LANDSCAPING AROUND THE HYDRANT SHOULD NOT OBSTRUCT ACCESS TO THE HYDRANT.





SANITARY SEWER CONTINUATION INSET

SCALE: 1" = 20'



© COPYRIGHT 2025 BY BLUE RIDGE ENGINEERING PLLC, NC LICENSE #P-0205, ALL RIGHTS RESERVED. THIS PLAN MAY NOT BE RE-USED, SOLD, LOANED OR GIVEN TO OTHERS. REPRODUCTION OR PHOTOCOPYING OF THIS PLAN WITHOUT THE WRITTEN CONSENT OF BLUE RIDGE ENGINEERING PLLC IS PROHIBITED.

ORIGINAL ISSUE DATE: 08/27/2025
PROJECT # 24027
DRAWN BY: MDS
REVISIONS:
1 04/15/25 TOWN COMMENTS
2 05/05/25 NEW BUILDING FOOTPRINT
3 09/03/25 NEW BUILDING FOOTPRINT/TOWN COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 30070 ENGINEER
Docusign
09/03/2025

Blue Ridge Engineering PLLC
924 Main Street - Suite 200
North Wilkesboro, NC 28659
336.838.2500
www.ridge.blue
Firm #P-0205

Prepared for:
Leland Hampton Ventures, LLC
3722 Shipyard Blvd, Suite C
Wilmington, NC 28403

Utility Plan
Hampton Inn Hotel
Old Waterford Way
Leland, NC 28451

SHEET
C-8

PERMIT SET - NOT FOR CONSTRUCTION

Docusign Envelope ID: 20B52655-0414-41AF-9100-CA335913DD1C

NORTH

BUFFER YARD PLANTING LIST

SYM.	QTY	NAME	SIZE AT PLANTING
	11	Acer rubrum Red Maple	8' MIN. HEIGHT 2.5" MIN. CALIPER
	10	Quercus virginiana Live Oak	8' MIN. HEIGHT 2.5" MIN. CALIPER
	11	Ulmus parvifolia Chinese Elm	8' MIN. HEIGHT 2.5" MIN. CALIPER
	12	Myerica cerifera Southern Wax Myrtle	8' MIN. HEIGHT 2.5" MIN. CALIPER
	15	Ilex x Emily Bruner Emily Bruner Holly	8' MIN. HEIGHT 2.5" MIN. CALIPER
	42	rhododendron simsii ' red ruffle' Red Ruffle Azalea	5 GALLON
	48	pittosporum tobira 'wheelers dwarf' Dwarf Yaupon Holly	5 GALLON
	51	loropetalum fire fringe flower loropetalum chinense var. rubrum	5 GALLON

PARKING LOT PLANTING LIST

SYM.	QTY	NAME	SIZE AT PLANTING
	3	Quercus virginiana Live Oak	8' MIN. HEIGHT 2.5" MIN. CALIPER
	3	Acer rubrum Red Maple	8' MIN. HEIGHT 2.5" MIN. CALIPER

L, M, S
L, M, S
L, M, S
L, M, S
L, M, S

LANDSCAPING REQUIREMENTS

PARKING LOT REQUIREMENTS:
CANOPY TREES — 9 (39,319 SF X 35% = 13,762SF /1600 PER LARGE TREE=8.6)

PROVIDED:
CANOPY TREES — 9 (9 LARGE TREES * 1,600 SF = 14,400 SF)

BUFFER YARD REQUIREMENTS:

NORTHWEST BUFFER YARD (370LF)
REQUIRED:
15 CANOPY TREES (3.7X4)
15 UNDERSTORY TREES (3.7X4)
67 SHRUBS (3.7X18)

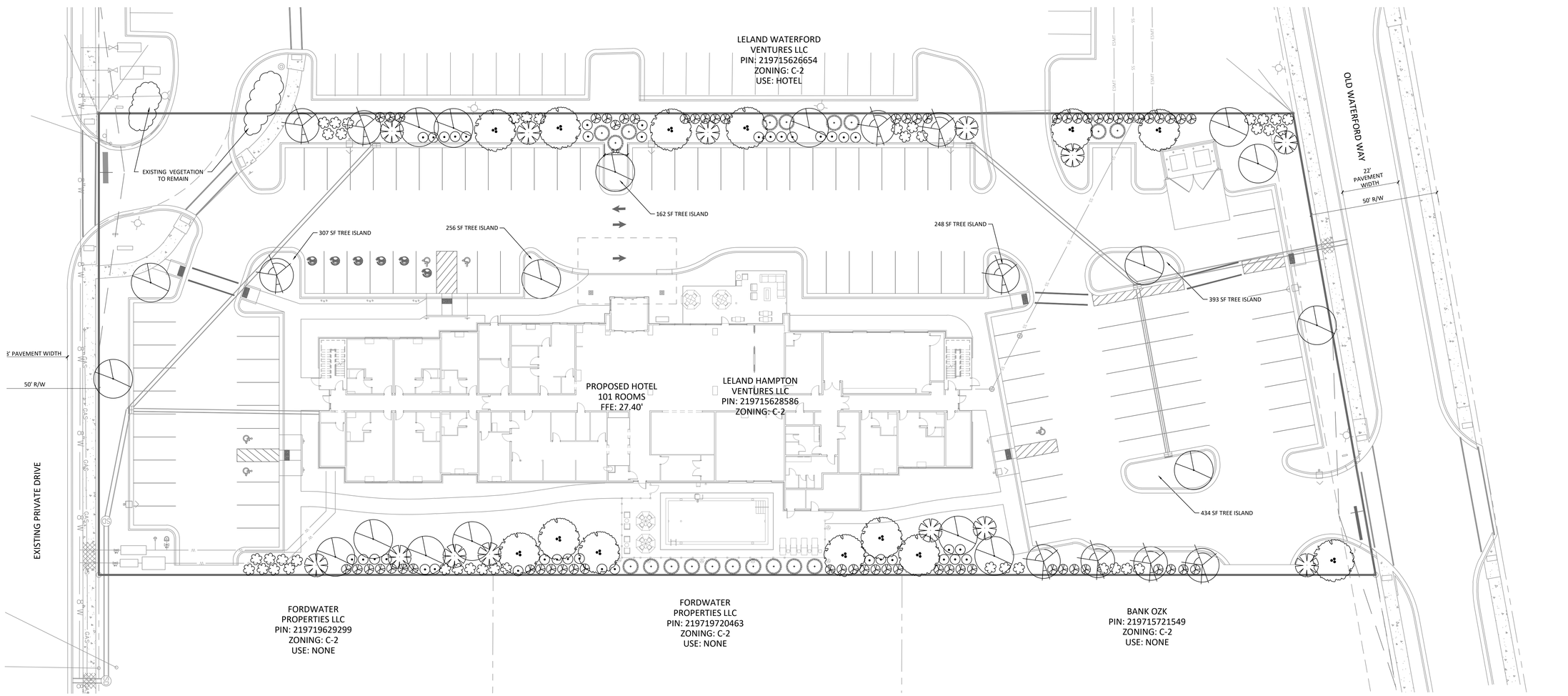
PROVIDED:
15 CANOPY TREES
15 UNDERSTORY TREES
67 SHRUBS

SOUTHEAST BUFFER YARD (408LF)
REQUIRED:
17 CANOPY TREES (4.1X4)
17 UNDERSTORY TREES (4.1X4)
74 SHRUBS (4.1X18)

PROVIDED:
17 CANOPY TREES
17 UNDERSTORY TREES
74 SHRUBS

LANDSCAPING NOTES

1. ALL TREES, SHRUBS, AND PLANTS SHALL CONFORM TO ACCEPTED STANDARDS ESTABLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
2. ALL PLANTING BEDS SHALL RECEIVE 4" OF DOUBLE-GROUND HARDWOOD BARK MULCH. ALL AREAS OTHER THAN PLANT BEDS SHALL BE SODDED OR SEEDED AS SPECIFIED.
3. ALL TREES IN LAWN AREAS SHALL RECEIVE 8' DIAMETER MULCH RING, 4" DEPTH.
4. ALL ROOT BALLS REMOVED FROM CONTAINERS SHALL BE SCARIFIED PRIOR TO PLANTING AND BACKFILLING. ALL PLANTS SHALL BE SOAKED WITH WATER IMMEDIATELY AFTER PLANTING. AN 4' DIAMETER MULCH RING (MIN. 4" DEPTH) SHALL BE INSTALLED AROUND ALL TREES.
5. LOCATIONS OF UTILITIES SHOWN ARE BASED ON EVIDENCE OBSERVED AT THE TIME OF SURVEY. OTHER UTILITIES MAY EXIST THAT ARE NOT SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL EXISTING UTILITY LINES, AND TO PROTECT THESE LINES DURING CONSTRUCTION.
6. CONTRACTOR SHALL MAINTAIN AND GUARANTEE ALL PLANTINGS FOR ONE YEAR AFTER INSTALLATION AND SHALL REPLACE PLANTINGS AS NECESSARY.
7. TREES AND SHRUBS TO BE TRANSPLANTED SHALL BE TRANSPLANTED AS SOON AS POSSIBLE AFTER CONSTRUCTION BEGINS. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL, STORAGE, WATERING, PLANTING, AND MAINTENANCE OF EXISTING TREES AND SHRUBS TO BE TRANSPLANTED.



© COPYRIGHT 2025 BY BLUE RIDGE ENGINEERING PLLC, NC LICENSE #P-0205, ALL RIGHTS RESERVED. THIS PLAN MAY NOT BE RE-USED, SOLD, LOANED OR GIVEN TO OTHERS. REPRODUCTION OR PHOTOCOPYING OF THIS PLAN WITHOUT THE WRITTEN CONSENT OF BLUE RIDGE ENGINEERING PLLC IS PROHIBITED.

ORIGINAL ISSUE DATE: 08/27/2025
PROJECT # 24027
DRAWN BY: MDS
REVISIONS:
04/15/25 TOWN COMMENTS
05/05/25 NEW BUILDING FOOTPRINT
09/03/25 NEW BUILDING FOOTPRINT/TOWN COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 35010 ENGINEER
Eric Devin Staley
09/03/2025

Blue Ridge Engineering PLLC
924 Main Street - Suite 200
North Wilkesboro, NC 28659
336.838.2500
www.ridge.blue
Firm #P-0205

Prepared for:
Leland Hampton Ventures, LLC
3722 Shipyard Blvd, Suite C
Wilmington, NC 28403

Landscape Planting Plan

Hampton Inn Hotel

Old Waterford Way
Leland, NC 28451

SHEET
C-9

PERMIT SET - NOT FOR CONSTRUCTION

Docusign Envelope ID: 20B52655-0414-41AF-9100-CA335913DD1C

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes

Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
• Temporary grass seed covered with straw or other mulches and tackifiers • Hydroseeding • Rolled erosion control products with or without temporary grass seed • Appropriately applied straw or other mulch • Plastic sheeting	• Permanent grass seed covered with straw or other mulches and tackifiers • Geotextile fabrics such as permanent soil reinforcement matting • Hydroseeding • Shrubs or other permanent plantings covered with mulch • Uniform and evenly distributed ground cover sufficient to restrain erosion • Structural methods such as concrete, asphalt or retaining walls • Rolled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

1. Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
2. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
3. Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
4. Provide ponding area for containment of treated Stormwater before discharging offsite.
5. Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

1. Maintain vehicles and equipment to prevent discharge of fluids.
2. Provide drip pans under any stored equipment.
3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
5. Remove leaking vehicles and construction equipment from service until the problem has been corrected.
6. Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

1. Never bury or burn waste. Place litter and debris in approved waste containers.
2. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
3. Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
4. Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
6. Anchor all lightweight items in waste containers during times of high winds.
7. Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
8. Dispose waste off-site at an approved disposal facility.
9. On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

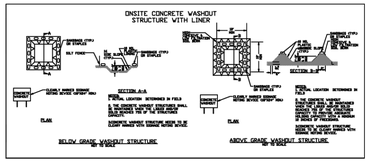
1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.
2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
3. Contain liquid wastes in a controlled area.
4. Containment must be labeled, sized and placed appropriately for the needs of site.
5. Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

1. Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
2. Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
3. Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

1. Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
2. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
3. Provide stable stone access point when feasible.
4. Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.



CONCRETE WASHOUTS

1. Do not discharge concrete or cement slurry from the site.
2. Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
3. Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
4. Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
5. Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
6. Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
7. Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
8. Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
9. Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
10. At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

1. Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
2. Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
3. Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
4. Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

1. Create designated hazardous waste collection areas on-site.
2. Place hazardous waste containers under cover or in secondary containment.
3. Do not store hazardous chemicals, drums or bagged materials directly on the ground.

NORTH CAROLINA *Environmental Quality*

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/19

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those un-attended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDCs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be kept on site and available for inspection at all times during normal business hours.

Item to Document	Documentation Requirements
(a) Each E&SC measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC plan.	Initial and date each E&SC measure on a copy of the approved E&SC plan or complete, date and sign an inspection report that lists each E&SC measure shown on the approved E&SC plan. This documentation is required upon the initial installation of the E&SC measures or if the E&SC measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&SC plan.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&SC measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC measures.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation to be Kept on Site

In addition to the E&SC plan documents above, the following items shall be kept on the site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

(a) This General Permit as well as the Certificate of Coverage, after it is received.

(b) Records of inspections made during the previous twelve months. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.

3. Documentation to be Retained for Three Years

All data used to complete the e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. Occurrences that Must be Reported

Permittees shall report the following occurrences:

(a) Visible sediment deposition in a stream or wetland.

(b) Oil spills if:
- They are 25 gallons or more,
- They are less than 25 gallons but cannot be cleaned up within 24 hours,
- They cause sheen on surface waters (regardless of volume), or
- They are within 100 feet of surface waters (regardless of volume).

(c) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.

(d) Anticipated bypasses and unanticipated bypasses.

(e) Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800) 858-0368.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	• ***Within 24 hours***, an oral or electronic notification. • ***Within 7 calendar days***, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis. • If the stream is named on the NC 303(d) list as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.
(b) Oil spills and release of hazardous substances per Item 1(b)-(c) above	• ***Within 24 hours***, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Anticipated bypasses (40 CFR 122.41(m)(3)]	• ***A report at least ten days before the date of the bypass, if possible***. The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses (40 CFR 122.41(m)(3)]	• ***Within 24 hours***, an oral or electronic notification. • ***Within 7 calendar days***, a report that includes an evaluation of the quality and effect of the bypass.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment(40 CFR 122.41(l)(7)]	• ***Within 24 hours***, an oral or electronic notification. • ***Within 7 calendar days***, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(l)(6). • Division staff may waive the requirement for a written report on a case-by-case basis.

PART II, SECTION G, ITEM (4)
DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

(a) The E&SC plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&SC plan authority has approved these items,
(b) The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(c) and (d) of this permit,
(c) Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems,
(d) Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item (c) above,
(e) Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
(f) Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.

NORTH CAROLINA *Environmental Quality*

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19

© COPYRIGHT 2025 BY BLUE RIDGE ENGINEERING PLLC, NC LICENSE #P-0205, ALL RIGHTS RESERVED. THIS PLAN MAY NOT BE RE-USED, SOLD, LOANED OR GIVEN TO OTHERS. REPRODUCTION OR PHOTOCOPYING OF THIS PLAN WITHOUT THE WRITTEN CONSENT OF BLUE RIDGE ENGINEERING PLLC IS PROHIBITED.

ORIGINAL ISSUE DATE: 08/27/2025
PROJECT # 24027
DRAWN BY: MDS

REVISIONS:
1 04/15/25 TOWN COMMENTS
2 06/05/25 NEW BUILDING FOOTPRINT
3 09/03/25 NEW BUILDING FOOTPRINT/TOWN COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 050010 ENGINEER
Docusign Envelope ID: 20B52655-0414-41AF-9100-CA335913DD1C
09/03/2025

Blue Ridge Engineering PLLC
924 Main Street - Suite 200
North Wilkesboro, NC 28659
336.838.2500
www.ridge.blue
Firm #P-0205

Prepared for:
Leland Hampton Ventures, LLC
3722 Shipyard Blvd, Suite C
Wilmington, NC 28403

NCGO1 Notes

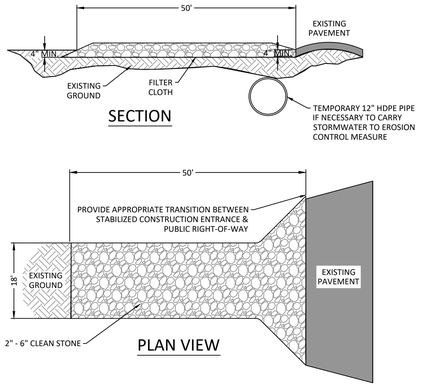
Hampton Inn Hotel

Old Waterford Way
Leland, NC 28451

SHEET
C-10

PERMIT SET - NOT FOR CONSTRUCTION

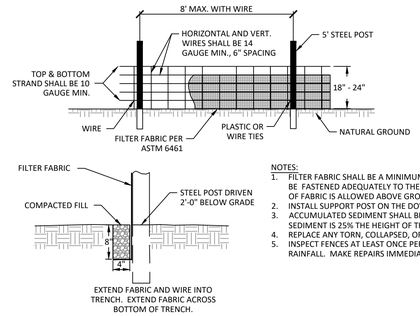
Docusign Envelope ID: 20B52655-0414-41AF-9100-CA335913DD1C



1 C-11 TEMPORARY CONSTRUCTION ENTRANCE

SCALE: NTS

CONSTRUCTION SPECIFICATIONS
1. STONE - USE CLASS 'A' STONE (2 - 6 INCH STONE)
2. LENGTH - AS EFFECTIVE, BUT NOT LESS THAN 50 FEET.
3. THICKNESS - NOT LESS THAN EIGHT (8) INCHES.
4. WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
5. WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE THROUGH USE OF SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED METHODS.
6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
7. PROVIDE GEOTEXTILE FOR DRAINAGE BENEATH STONE.



NOTES:
1. FILTER FABRIC SHALL BE A MINIMUM OF 36" WIDTH AND SHALL BE FASTENED ADEQUATELY TO THE WIRE. NO MORE THAN 24" OF FABRIC IS ALLOWED ABOVE GROUND.
2. INSTALL SUPPORT POST ON THE DOWNHILL SIDE OF SILT FENCE.
3. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT IS 25% THE HEIGHT OF THE FENCE.
4. REPLACE ANY TORN, COLLAPSED, OR DECOMPOSED FABRIC.
5. INSPECT FENCES AT LEAST ONCE PER WEEK AND AFTER EACH RAINFALL. MAKE REPAIRS IMMEDIATELY.

2 C-11 SEDIMENT FENCE

SCALE: NTS

COASTAL PLAIN

TEMPORARY SEEDING SCHEDULE

DATES	SPECIES	RATE (LB / ACRE)	SOIL ADDITIVES	RATE (LB / ACRE)
DECEMBER 01- APRIL 15	RYE (GRAIN)	120 50	AGRICULTURAL LIMESTONE FERTILIZER 10-10-10 STRAW	2,000 750 4,000
APRIL 15 - AUGUST 15	GERMAN MILLET OR SUDANGRASS	40 50	AGRICULTURAL LIMESTONE FERTILIZER 10-10-10 STRAW	2,000 750 4,000
AUGUST 15 - DECEMBER 30	RYE (GRAIN)	120	AGRICULTURAL LIMESTONE FERTILIZER 10-10-10 STRAW	2,000 1,000 4,000

PERMANENT SEEDING SCHEDULE - DRY SANDS

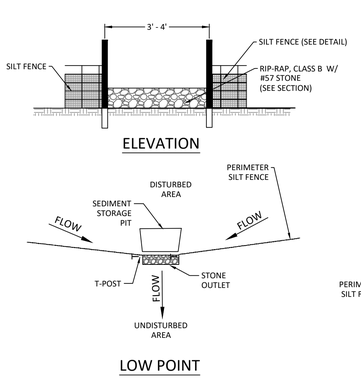
DATES	SPECIES	RATE (LB / ACRE)	SOIL ADDITIVES	RATE (LB / ACRE)
APRIL 01 - JULY 15	PENSACOLA BAHIAGRASS COMMON BERMUDAGRASS GERMAN MILLET	50 30 10 10	AGRICULTURAL LIMESTONE FERTILIZER 10-10-10 GRAIN STRAW	3,000 500 4,000

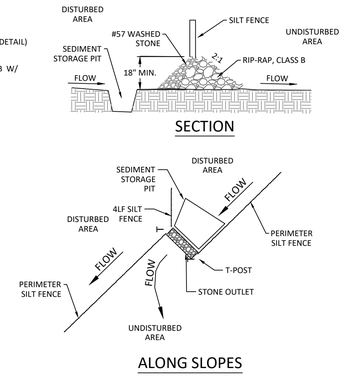
PERMANENT SEEDING SCHEDULE - SOILS WITH GOOD MOISTURE RETENTION

BEST DATES	POSSIBLE DATES	SPECIES	RATE (LB / ACRE)	SOIL ADDITIVES	RATE (LB / ACRE)
FEBRUARY 15 - MARCH 20 & SEPTEMBER 01 - 30	FEBRUARY 15 - APRIL 30 & SEPTEMBER 01 - OCTOBER 31	TALL FESCUE OR COMMON BERMUDAGRASS	80 50 30 10	AGRICULTURAL LIMESTONE FERTILIZER 10-10-10 GRAIN STRAW	3,000 - 5,000 1,000 4,000

3 C-11 SEEDING SPECIFICATIONS

SCALE: NTS

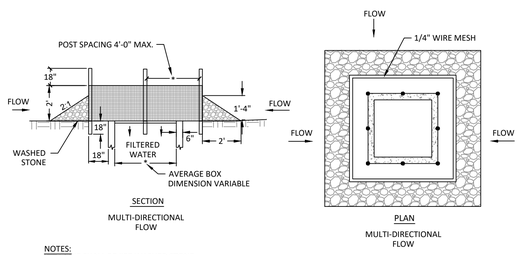




4 C-11 SILT FENCE STONE OUTLET

SCALE: NTS

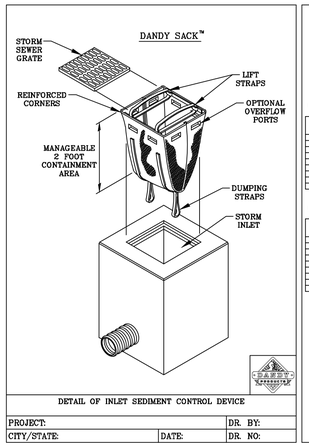
NOTES:
1. INSTALL AT ALL LOW POINTS AND ALONG PERIMETER SILT FENCE AS NECESSARY TO PREVENT STORM WATER FROM BEING COLLECTED AND CONCENTRATED AND TO ALLOW FILTERED STORM WATER TO RELEASE THROUGH STONE OUTLETS.
2. STORM WATER FLOW SHALL BE DIRECTED TO THE STONE OUTLETS WHERE INSTALLED.
3. EXCAVATED SEDIMENT STORAGE PITS SHALL BE CLEANED OUT WHEN 50% FULL.



NOTES:
1. STONE SHALL BE #57 WASHED STONE.
2. WIRE MESH SHALL BE HARDWARE CLOTH 19 GAUGE AND SHALL HAVE 1/4 INCH MESH OPENINGS.
3. PLACE A 2-FOOT FLAP OF WIRE MESH UNDER THE GRAVEL FOR ANCHORING.
4. STEEL POST SHALL BE 5 FT. IN HEIGHT, BE INSTALLED 2.0 FT. DEEP MINIMUM, AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.
5. POST SPACING SHALL BE A MAXIMUM OF 4 FT.
6. INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (0.5" OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.

5 C-11 INLET PROTECTION

SCALE: NTS



DANDY SACK™ SPECIFICATIONS

NOTE: THE DANDY SACK™ WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

REGULAR FLOW DANDY SACK™ (BLACK)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.78 (400) x 1.40 (315)
Grab Tensile Elongation	ASTM D 4632	%	15 x 10
Puncture Strength	ASTM D 4833	kN (lbs)	0.67 (150)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	2930 (425)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.67 (150) x 0.13 (120)
UV Resistance	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m²(gal/min/ft²)	2852 (70)
Permittivity	ASTM D 4491	Sec.	0.50

HI-FLOW DANDY SACK™ (SAFETY ORANGE)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (360) x 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 x 10
Puncture Strength	ASTM D 4833	kN (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115) x 0.33 (75)
UV Resistance	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m²(gal/min/ft²)	5907 (145)
Permittivity	ASTM D 4491	Sec.	2.1

*All Dandy Sacks™ can be ordered with our optional oil absorbent pillows

NOTES
1. DANDY SACKS SHALL BE EMPTIED ONCE A WEEK OR AFTER EVERY RAIN EVENT.

6 C-11 SILT/DANDY SACK

SCALE: NTS

© COPYRIGHT 2025 BY BLUE RIDGE ENGINEERING PLLC, NC LICENSE #P-0205, ALL RIGHTS RESERVED. THIS PLAN MAY NOT BE RE-USED, SOLD, LOANED OR GIVEN TO OTHERS. REPRODUCTION OR PHOTOCOPYING OF THIS PLAN WITHOUT THE WRITTEN CONSENT OF BLUE RIDGE ENGINEERING PLLC IS PROHIBITED.

ORIGINAL ISSUE DATE: 08/27/2025
PROJECT # 24027
DRAWN BY: MDS

REVISIONS:
1 04/15/25 TOWN COMMENTS
2 05/05/25 NEW BUILDING FOOTPRINT
3 09/03/25 NEW BUILDING FOOTPRINT/TOWN COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 35010 ENGINEER
DocuSigned by: Mark D. Stokes
09/03/2025

Blue Ridge Engineering PLLC
924 Main Street - Suite 200
North Wilkesboro, NC 28659
336.838.2500
www.ridge.blue
Firm #P-0205

Prepared for:
Leland Hampton Ventures, LLC
3722 Shipyard Blvd, Suite C
Wilmington, NC 28403

Erosion & Sediment Control Details

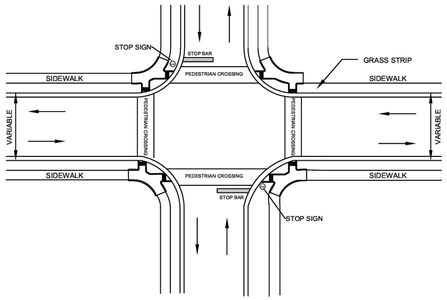
Hampton Inn Hotel

Old Waterford Way
Leland, NC 28451

SHEET
C-11

PERMIT SET - NOT FOR CONSTRUCTION

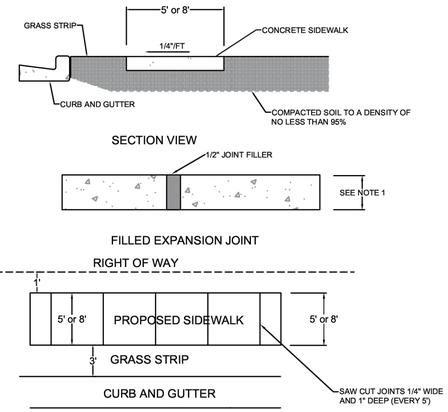
Docusign Envelope ID: 20B52655-0414-41AF-9100-CA335913DD1C



LOCATION OF CURB RAMP, PEDESTRIAN CROSSWALKS, AND STOP BARS

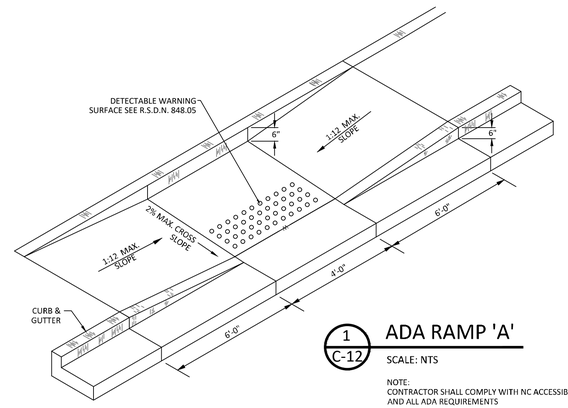
NOTES:
1. CURB RAMPS AT MARKED CROSSWALKS MUST BE ENTIRELY WITHIN THE CROSSWALK.
2. RAMPS MUST MEET CURRENT ADA ACCESSIBILITY STANDARDS.
3. STOP BARS MUST BE INSTALLED PER NC DOT STANDARDS.
4. STOP BARS MUST BE INSTALLED IN FRONT OF CROSSWALK.
5. ALL PAVEMENT MARKINGS MUST MEET MUTCD STANDARDS.

SECTION: STREETS	CURB RAMP LOCATIONS AT INTERSECTION WITH TWO RESIDENTIAL STREETS	PUBLIC SERVICES DEPARTMENT
DATE: 2021		Town of Leland
DRAWN BY: JWP		
CHECKED BY: TOWN PSD		
SCALE: NOT TO SCALE		DETAIL NO. ST - 07



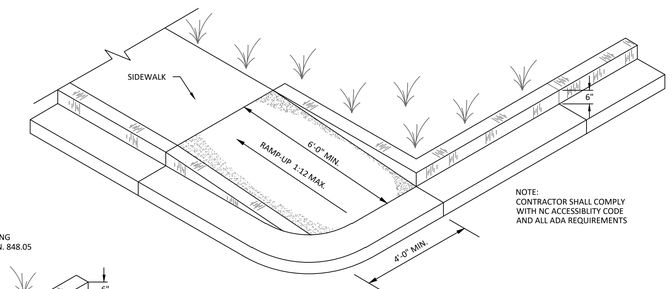
NOTES:
1. SIDEWALK DEPTH SHALL BE 4" EXCEPT AT DRIVEWAYS WHERE THE DEPTH SHALL BE 6".
2. THE DISTANCE BETWEEN FILLED EXPANSION JOINTS SHALL BE 50' MAX.
3. ALL SIDEWALKS SHALL BE CONSTRUCTED WITH 3,000 PSI CONCRETE.
4. ALL MANHOLES, WATER VALVES AND METER BOXES MUST BE LOCATED OUTSIDE OF THE SIDEWALK AREA.
5. ALL SIDEWALK REPAIRS SHOULD BE FROM CONTRACTION JOINT TO CONTRACTION JOINT.
6. THE SIDEWALK WIDTH SHALL BE DETERMINED BY TOWN STAFF.

SECTION: STREETS	5' AND 8' WIDE CONCRETE SIDEWALK	PUBLIC SERVICES DEPARTMENT
DATE: 2021		Town of Leland
DRAWN BY: JWP		
CHECKED BY: TOWN PSD		
SCALE: NOT TO SCALE		DETAIL NO. ST - 13



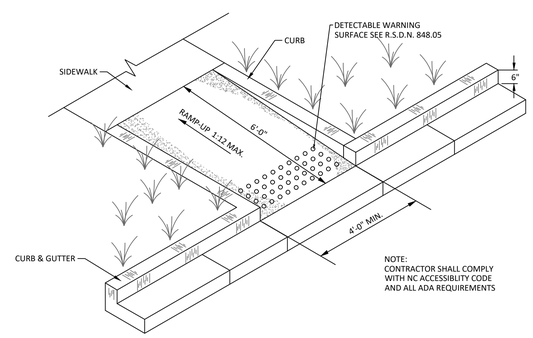
1 C-12 ADA RAMP 'A'
SCALE: NTS

NOTE:
CONTRACTOR SHALL COMPLY WITH NC ACCESSIBILITY CODE AND ALL ADA REQUIREMENTS



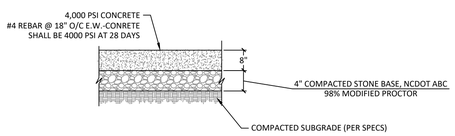
NOTE:
CONTRACTOR SHALL COMPLY WITH NC ACCESSIBILITY CODE AND ALL ADA REQUIREMENTS

2 C-12 ADA RAMP 'B'
SCALE: NTS

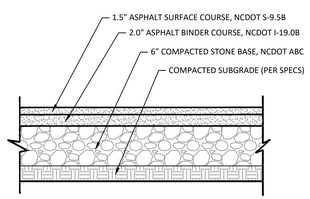


NOTE:
CONTRACTOR SHALL COMPLY WITH NC ACCESSIBILITY CODE AND ALL ADA REQUIREMENTS

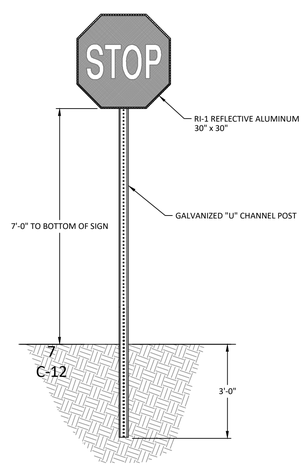
3 C-12 ADA RAMP 'C'
SCALE: NTS



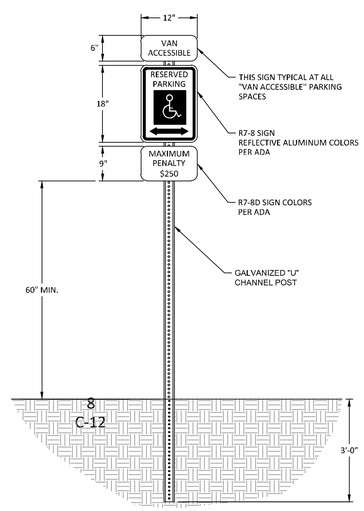
5 C-12 HEAVY DUTY CONCRETE PAVEMENT
SCALE: NTS
*PAVEMENT SECTION SELECTION BY OWNER



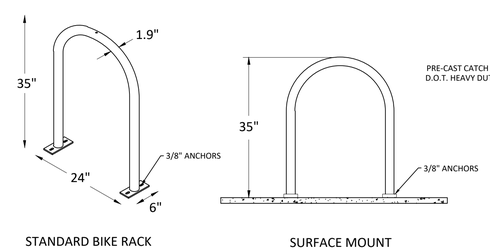
6 C-12 ASPHALT PAVEMENT
SCALE: NTS



STOP SIGN
SCALE: NTS



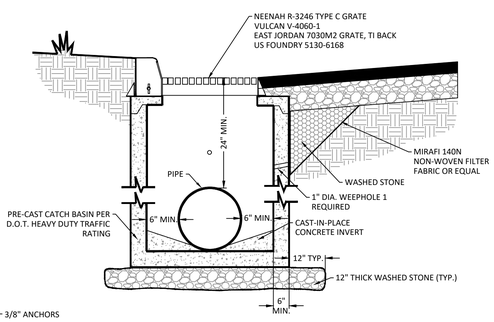
HANDICAPPED SIGN
SCALE: NTS



STANDARD BIKE RACK

SURFACE MOUNT

9 C-12 INVERTED "U" BIKE RACK DETAIL
SCALE: NTS



4 C-12 CURB INLET
SCALE: NTS

© COPYRIGHT 2025 BY BLUE RIDGE ENGINEERING PLLC, NC LICENSE #P-0205, ALL RIGHTS RESERVED. THIS PLAN MAY NOT BE RE-USED, SOLD, LOANED OR GIVEN TO OTHERS. REPRODUCTION OR PHOTOCOPYING OF THIS PLAN WITHOUT THE WRITTEN CONSENT OF BLUE RIDGE ENGINEERING PLLC IS PROHIBITED.

ORIGINAL ISSUE DATE: 08/27/2025
PROJECT # 24027
DRAWN BY: MDS

REVISIONS:
1 04/15/25 TOWN COMMENTS
2 06/05/25 NEW BUILDING FOOTPRINT
3 09/03/25 NEW BUILDING FOOTPRINT/TOWN COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 53610 ENGINEER
Docusigned by: M. Shawn Shafer
09/03/2025

Blue Ridge Engineering PLLC
924 Main Street - Suite 200
North Wilkesboro, NC 28659
336.838.2500
www.ridge.blue
Firm #P-0205

Prepared for:
Leland Hampton Ventures, LLC
3722 Shipyard Blvd, Suite C
Wilmington, NC 28403

Miscellaneous Details

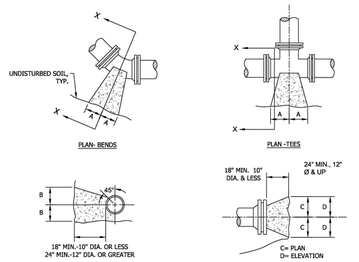
Hampton Inn Hotel

Old Waterford Way
Leland, NC 28451

SHEET
C-12

PERMIT SET - NOT FOR CONSTRUCTION

Docusign Envelope ID: 20B52655-0414-41AF-9100-CA335913DD1C

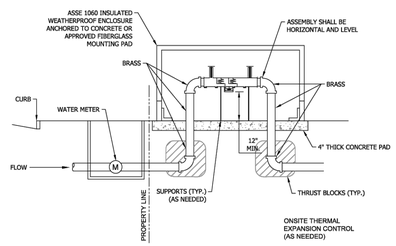


PIPE SIZE	90° BEND		45° BEND		22-1/2° BEND		11-1/4° BEND		TEE		PLUG	
	A	B	A	B	A	B	A	B	A	B	C	D
4"	18"	12"	10"	13"	7"	10"	7"	10"	12"	14"	13"	6"
6"	18"	12"	10"	13"	7"	10"	7"	10"	12"	14"	19"	9"
8"	24"	18"	13"	18"	10"	12"	10"	12"	16"	18"	25"	11"
10"	28"	22"	15"	22"	12"	15"	12"	15"	20"	22"	31"	14"
12"	32"	28"	19"	28"	14"	18"	14"	18"	22"	28"	37"	17"
16"	54"	38"	30"	36"	18"	36"	18"	36"	36"	42"	54"	24"

2000 PSF SOIL (SAND & GRAVEL WITH CLAY)

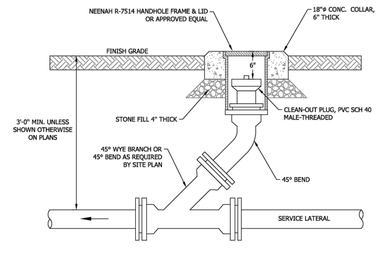
NOTES:
1. BASED ON 200 PSI STATIC PRESSURE PLUS AWWA WATER HAMMER ALLOWANCE.
2. ALL BEARING SURFACES TO BE CARRIED TO UNDISTRURBED GROUND.
3. THRUST BLOCKS TO BE USED AT ALL LINES OPERATING UNDER PRESSURE.
4. KEEP ALL PIPING JOINTS CLEAR OF CONCRETE THRUST BLOCKS.
5. WRAP ALL FITTINGS IN PLASTIC.

BRUNSWICK REGIONAL WATER AND SEWER H2GO	THRUST BLOCKING	STD. NO.	1000.01
EFFECTIVE: APRIL 2022		NOT TO SCALE	



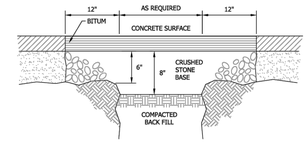
NOTES:
1. ALL BACKFLOW DEVICES TO COMPLY WITH USC STANDARDS.
2. ASSEMBLY SHALL BE LOCATED AS CLOSE TO THE SERVICE CONNECTION AS POSSIBLE WITH NO CONNECTIONS BETWEEN THE WATER METER AND THE BACKFLOW PREVENTION ASSEMBLY.
3. ALL PIPING SHOULD BE HYDRAULIZALLY CALCULATED BY WATER USER FOR ONSITE USAGE.
4. BACKFLOW PREVENTION ASSEMBLIES ARE TO BE USED WITHIN THEIR RATED OPERATING CONDITIONS.
   4.1. PRESSURE: BACKFLOW PREVENTION ASSEMBLIES TYPICALLY HAVE MAXIMUM WORKING WATER PRESSURES (MWWP) OF 150 PSI (1034 KPa) OR 175 PSI (1206 KPa). ASSEMBLIES ARE DESIGNED TO OPERATE CONTINUOUSLY AT THIS PRESSURE, WHICH IS IDENTIFIED ON THE ASSEMBLY.
   4.2. TEMPERATURE: BACKFLOW PREVENTION ASSEMBLIES ARE DESIGNED TO OPERATE CONTINUOUSLY AT THEIR MAXIMUM WORKING WATER TEMPERATURE (MWWT), WHICH IS IDENTIFIED ON THE ASSEMBLY.
   4.3. RATE OF FLOW: BACKFLOW PREVENTION ASSEMBLIES ARE DESIGNED TO OPERATE CONTINUOUSLY UP TO THEIR RATED FLOW (i.e. GALLONS PER MINUTE - GPM; OR LITERS PER SECOND - L/S).
5. NO VERTICAL ASSEMBLIES WILL BE ACCEPTED.

BRUNSWICK REGIONAL WATER AND SEWER H2GO	RPZ DETAIL 2" + UP	STD. NO.	2000.07
EFFECTIVE: APRIL 2022		NOT TO SCALE	



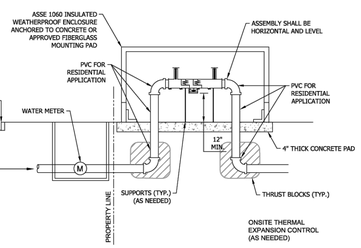
NOTES:
1. CLEAN-OUT PIPE AND FITTINGS SHALL BE THE SAME DIAMETER AND MATERIAL AS THE SERVICE LATERAL.
2. PROVIDE CLEAN-OUTS WHERE INDICATED ON THE PLANS.
3. D.I.P. CLEAN-OUTS SHALL HAVE BRONZE-THREADED CLEAN-OUT PLUG.
4. WHERE CLEAN-OUTS ARE INSTALLED ON PIPING UNDER PRESSURE, ALL JOINTS SHALL HAVE RETAINER GLANDS OR OTHER APPROVED METHOD OF RESTRAINT. ALL RISER PIPE, FITTINGS AND CLEAN-OUT PLUG SHALL BE WATERTIGHT AND RATED FOR THE PRESSURES PRESENT AT THE PARTICULAR POINT OF INSTALLATION.

BRUNSWICK REGIONAL WATER AND SEWER H2GO	SANITARY SEWER SERVICE LATERAL CLEANOUT	STD. NO.	3000.01
EFFECTIVE: APRIL 2022		NOT TO SCALE	



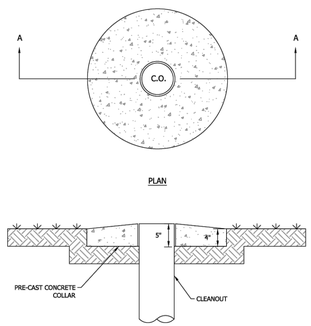
USE MATERIALS PER NCDOT REQUIREMENTS ON NCDOT DRIVEWAYS AND ROADWAYS.

BRUNSWICK REGIONAL WATER AND SEWER H2GO	PAVEMENT REPAIR	STD. NO.	1000.04
EFFECTIVE: APRIL 2022		NOT TO SCALE	

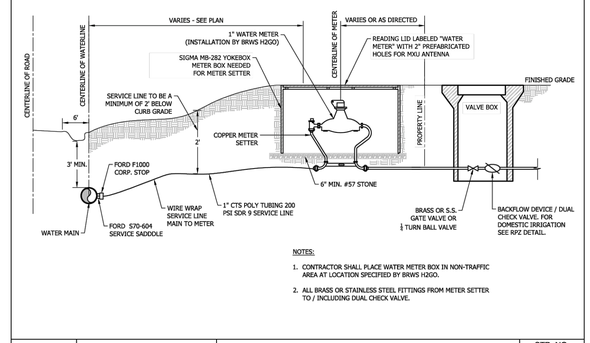


NOTES:
1. ALL BACKFLOW DEVICES TO COMPLY WITH USC STANDARDS.
2. ASSEMBLY SHALL BE LOCATED AS CLOSE TO THE SERVICE CONNECTION AS POSSIBLE WITH NO CONNECTIONS BETWEEN THE WATER METER AND THE BACKFLOW PREVENTION ASSEMBLY.
3. ALL PIPING SHOULD BE HYDRAULICALLY CALCULATED BY WATER USER FOR ONSITE USAGE
4. BACKFLOW PREVENTION ASSEMBLIES ARE TO BE USED WITHIN THEIR RATED OPERATING CONDITIONS.
   4.1. PRESSURE: BACKFLOW PREVENTION ASSEMBLIES TYPICALLY HAVE MAXIMUM WORKING WATER PRESSURES (MWWP) OF 150 PSI (1034 KPa) OR 175 PSI (1206 KPa). ASSEMBLIES ARE DESIGNED TO OPERATE CONTINUOUSLY AT THIS PRESSURE, WHICH IS IDENTIFIED ON THE ASSEMBLY.
   4.2. TEMPERATURE: BACKFLOW PREVENTION ASSEMBLIES ARE DESIGNED TO OPERATE CONTINUOUSLY AT THEIR MAXIMUM WORKING WATER TEMPERATURE (MWWT), WHICH IS IDENTIFIED ON THE ASSEMBLY.
   4.3. RATE OF FLOW: BACKFLOW PREVENTION ASSEMBLIES ARE DESIGNED TO OPERATE CONTINUOUSLY UP TO THEIR RATED FLOW (i.e. GALLONS PER MINUTE - GPM; OR LITERS PER SECOND - L/S).
5. NO VERTICAL ASSEMBLIES WILL BE ACCEPTED.

BRUNSWICK REGIONAL WATER AND SEWER H2GO	RPZ DETAIL 3/4" OR 1"	STD. NO.	2000.06
EFFECTIVE: APRIL 2022		NOT TO SCALE	

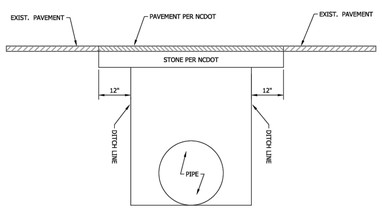


BRUNSWICK REGIONAL WATER AND SEWER H2GO	CLEANOUT PAD	STD. NO.	3000.02
EFFECTIVE: APRIL 2022		NOT TO SCALE	



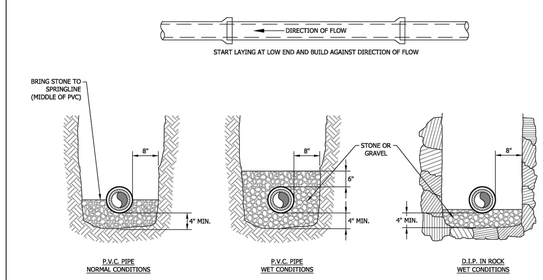
NOTES:
1. CONTRACTOR SHALL PLACE WATER METER BOX IN NON-TRAFFIC AREA AT LOCATION SPECIFIED BY BRWS H2GO.
2. ALL BRASS OR STAINLESS STEEL FITTINGS FROM METER SETTER TO / INCLUDING DUAL CHECK VALVE.

BRUNSWICK REGIONAL WATER AND SEWER H2GO	1" WATER SERVICE	STD. NO.	2000.03
EFFECTIVE: APRIL 2022		NOT TO SCALE	



NOTES:
1. REFERENCE SPECIFICATIONS FOR BACKFILLING AND COMPACTION REQUIREMENTS.
2. CUT-BACK TO BE PERFORMED AFTER TRENCH BACKFILLING AND COMPACTION.
3. NEW PAVEMENT TO MEET ALL NCDOT REQUIREMENTS.

BRUNSWICK REGIONAL WATER AND SEWER H2GO	PIPE INSTALLATION PAVEMENT REPAIR	STD. NO.	1000.05
EFFECTIVE: APRIL 2022		NOT TO SCALE	



BRUNSWICK REGIONAL WATER AND SEWER H2GO	STANDARD TRENCHING DETAIL (GRAVITY SEWER)	STD. NO.	1000.03
EFFECTIVE: APRIL 2022		NOT TO SCALE	

© COPYRIGHT 2025 BY BLUE RIDGE ENGINEERING PLLC, NC LICENSE #P-0205, ALL RIGHTS RESERVED. THIS PLAN MAY NOT BE RE-USED, SOLD, LOANED OR GIVEN TO OTHERS. REPRODUCTION OR PHOTOCOPYING OF THIS PLAN WITHOUT THE WRITTEN CONSENT OF BLUE RIDGE ENGINEERING PLLC IS PROHIBITED.

DRAWN BY: MDS
PROJECT # 24027
ORIGINAL ISSUE DATE: 08/27/2025
REVISIONS:
1 04/15/25 TOWN COMMENTS
2 05/05/25 NEW BUILDING FOOTPRINT
3 09/03/25 NEW BUILDING FOOTPRINT/TOWN COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 39010 ENGINEER
DocuSigned by: Mark Shelly
09/03/2025

Blue Ridge Engineering PLLC
924 Main Street - Suite 200
North Wilkesboro, NC 28659
336.838.2500
www.ridge.blue
Firm #P-0205

Prepared for:
Leland Hampton Ventures, LLC
3722 Shipyard Blvd, Suite C
Wilmington, NC 28403

Water & Sewer Details 1

Hampton Inn Hotel

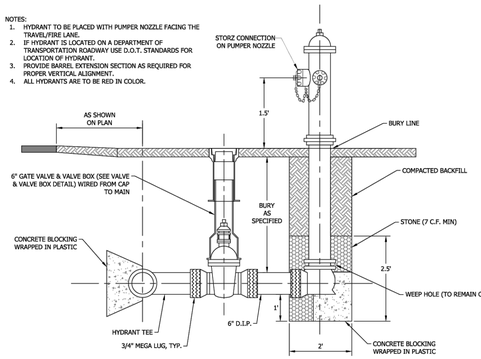
Old Waterford Way
Leland, NC 28451

SHEET
C-13

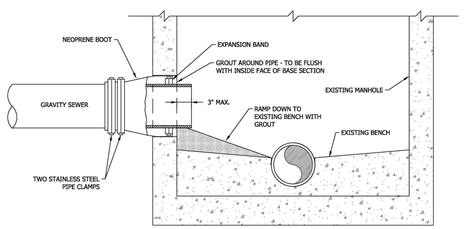
PERMIT SET - NOT FOR CONSTRUCTION

Docusign Envelope ID: 20B52655-0414-41AF-9100-CA335913DD1C

NOTES:
1. HYDRANT TO BE PLACED WITH PUMPER NOZZLE FACING THE TRAVELFIRE LANE.
2. IF HYDRANT IS LOCATED ON A DEPARTMENT OF TRANSPORTATION ROADWAY USE D.O.T. STANDARDS FOR LOCATION OF HYDRANT.
3. PROVIDE BARREL EXTENSION SECTION AS REQUIRED FOR PROPER VERTICAL ALIGNMENT.
4. ALL HYDRANTS ARE TO BE RED IN COLOR.

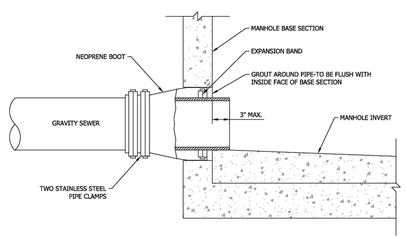


H2GO	BRUNSWICK REGIONAL WATER AND SEWER H2GO	FIRE HYDRANT ASSEMBLY	STD. NO. 2000.08
	EFFECTIVE: APRIL 2022		NOT TO SCALE



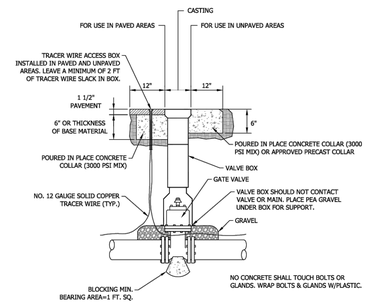
NOTES:
1. MATERIAL SPECIFICATIONS: NEOPRENE BOOT - ASTM C-923; PIPE CLAMP & EXPANSION CLAMP - STAINLESS STEEL, ASTM C-923.

H2GO	BRUNSWICK REGIONAL WATER AND SEWER H2GO	STANDARD SEWER LINE CONNECTION TO EXISTING MANHOLE	STD. NO. 3000.07
	EFFECTIVE: APRIL 2022		NOT TO SCALE



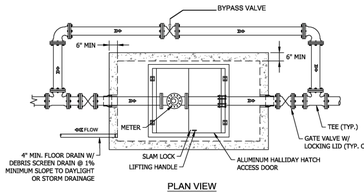
NOTES:
1. MATERIAL SPECIFICATIONS: NEOPRENE BOOT - ASTM C-923; PIPE CLAMP & EXPANSION CLAMP - STAINLESS STEEL, ASTM C-923.
2. TWO PIPE CLAMPS REQUIRED FOR PIPE O.D.'S 15" AND LARGER, TORQUE PER MANUFACTURER'S SPECIFICATIONS.
3. PIPE CLAMP (300-SERIES NON-MAGNETIC CORROSION-RESISTANT STEEL)

H2GO	BRUNSWICK REGIONAL WATER AND SEWER H2GO	STANDARD MANHOLE BOOT	STD. NO. 3000.08
	EFFECTIVE: APRIL 2022		NOT TO SCALE

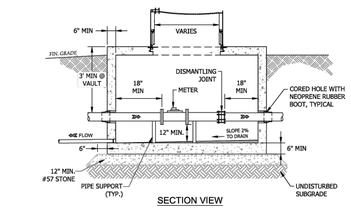


NOTES:
1. 2" GATE VALVES SHALL F.I.P. THREADS. CONNECTION TO THE PIPE SHALL BE MADE WITH BRASS NIPPLE AND SCH. 40 PVC F.I.P.T. X SLIP ADAPTERS.
2. GATE VALVES GREATER THAN 2" SHALL BE MECHANICAL JOINT.
3. TRACER WIRE ACCESS BOX SHALL BE VALVCO TYPE OR APPROVED EQUAL.
4. FASTEN TRACER WIRE TO PIPE WITH ZIP TIES AROUND THE CIRCUMFERENCE OF PIPE AT 10' INTERVALS (TYP.).

H2GO	BRUNSWICK REGIONAL WATER AND SEWER H2GO	M.J. VALVE AND VALVE BOX	STD. NO. 2000.10
	EFFECTIVE: APRIL 2022		NOT TO SCALE



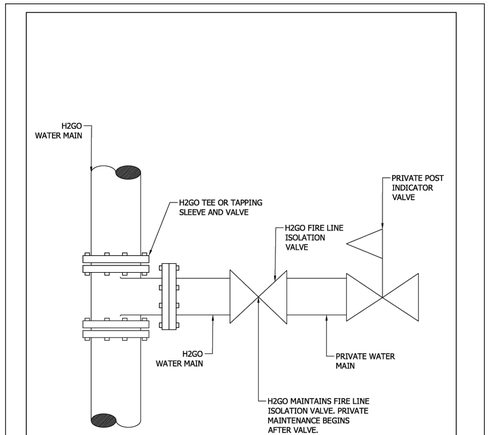
PLAN VIEW



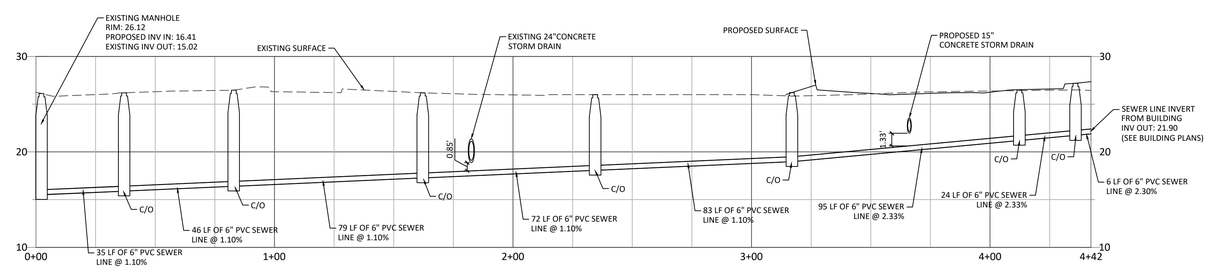
SECTION VIEW

NOTES:
1. ALL PIPING SHOWN TO BE DUCTILE IRON.
2. ALL METER VAULTS AND ACCESS DOORS WITHIN THE ROAD RIGHTS-OF-WAY SHALL MEET HS-20 LOADING REQUIREMENTS.
3. TO ENSURE POSITIVE DRAINAGE, THE VAULT SHALL BE TIED INTO THE EXISTING STORM DRAINAGE SYSTEM, IF POSITIVE DRAINAGE IS UNOBTAINABLE, A SUMP PUMP SHALL BE LOCATED AND OPERATED IN THE VAULT.
4. SEPARATE STRAINER SHALL BE REQUIRED IF PROPOSED METER DOES NOT HAVE AN INTEGRAL STRAINER.
5. ACCESS HATCH SHALL BE SIZED TO ACCOMMODATE METER WITH A MINIMUM CLEARANCE OF 8" ON ALL SIDES.

H2GO	BRUNSWICK REGIONAL WATER AND SEWER H2GO	WATER METER VAULT WITH BYPASS (3" AND GREATER)	STD. NO. 2000.15
	EFFECTIVE: OCTOBER 2022		NOT TO SCALE



H2GO	BRUNSWICK REGIONAL WATER AND SEWER H2GO	FIRE LINE ISOLATION VALVE	STD. NO. 2000.16
	EFFECTIVE: AUGUST 2023		NOT TO SCALE



SANITARY SEWER PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'

© COPYRIGHT 2025 BY BLUE RIDGE ENGINEERING PLLC, NC LICENSE #P-0205, ALL RIGHTS RESERVED. THIS PLAN MAY NOT BE RE-USED, SOLD, LOANED OR GIVEN TO OTHERS. REPRODUCTION OR PHOTOCOPYING OF THIS PLAN WITHOUT THE WRITTEN CONSENT OF BLUE RIDGE ENGINEERING PLLC IS PROHIBITED.

ORIGINAL ISSUE DATE: 08/27/2025
PROJECT # 24027
DRAWN BY: MDS
REVISIONS:
1 04/15/25 TOWN COMMENTS
2 06/06/25 NEW BUILDING FOOTPRINT
3 09/03/25 NEW BUILDING FOOTPRINT/TOWN COMMENTS

NORTH CAROLINA PROFESSIONAL SEAL 33010 ENGINEER
09/03/2025

Blue Ridge Engineering PLLC
924 Main Street - Suite 200
North Wilkesboro, NC 28659
336.838.2500
www.ridge.blue
Firm #P-0205

Prepared for:
Leland Hampton Ventures, LLC
3722 Shipyard Blvd, Suite C
Wilmington, NC 28403

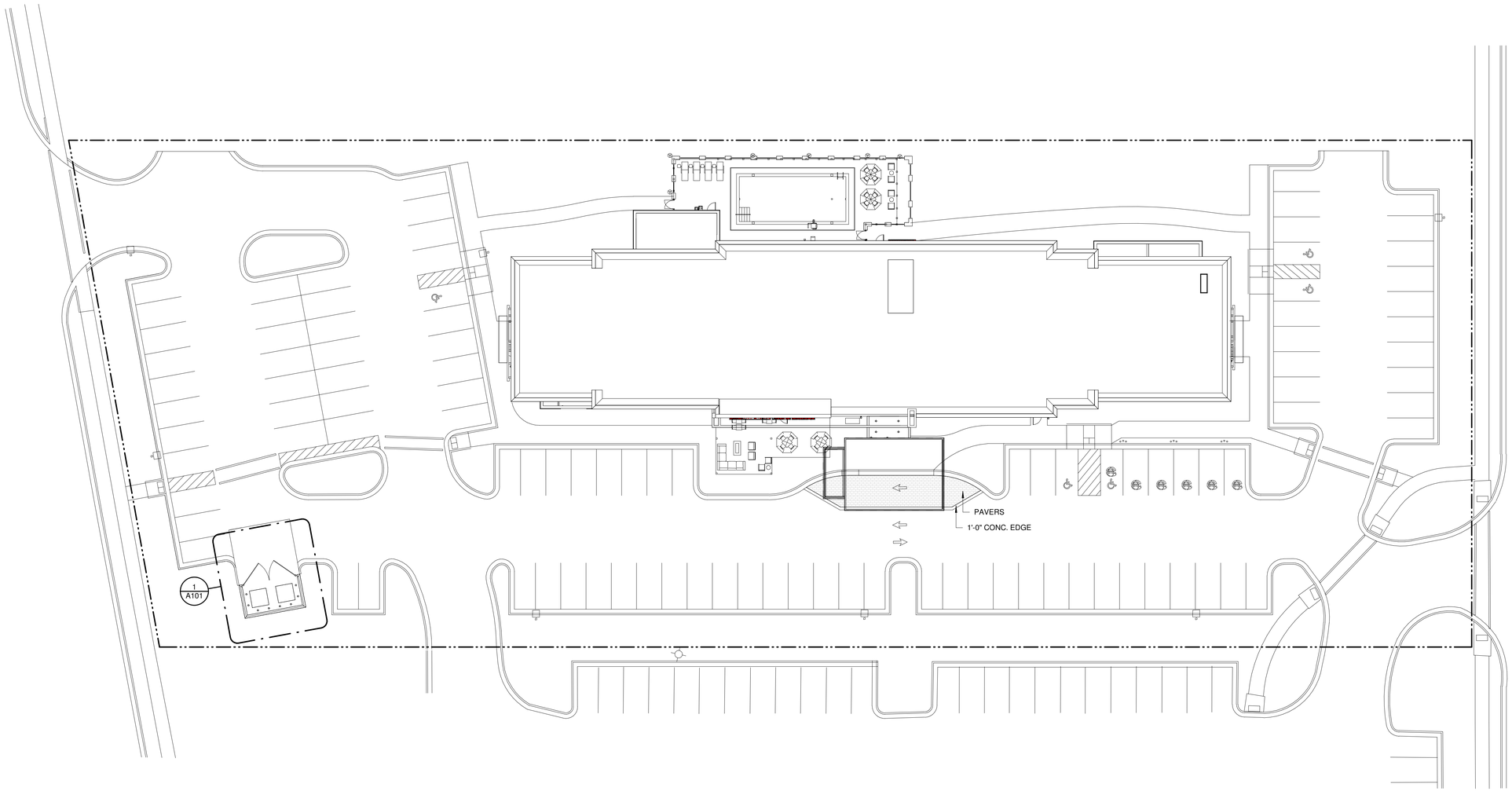
Water & Sewer Details 2

Hampton Inn Hotel

Old Waterford Way
Leland, NC 28451

SHEET
C-14

PERMIT SET - NOT FOR CONSTRUCTION



SITE PLAN 1
1" = 20'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

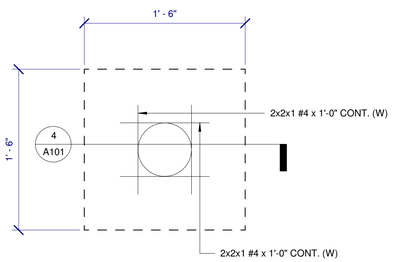
drawn by: KKJ
checked by: FTM
project no: 25-104

SITE PLAN

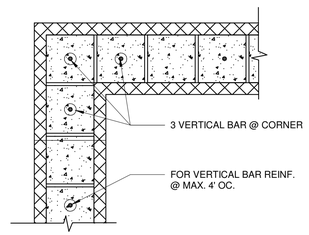
A100

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

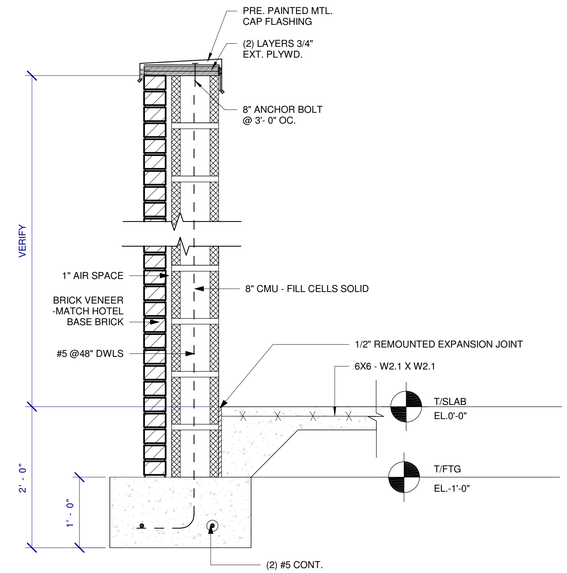
9/18/2026 10:21:35 AM



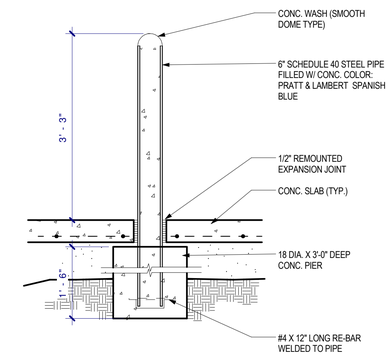
BOLLARD DETAIL PLAN 7
1 1/2" = 1'-0"



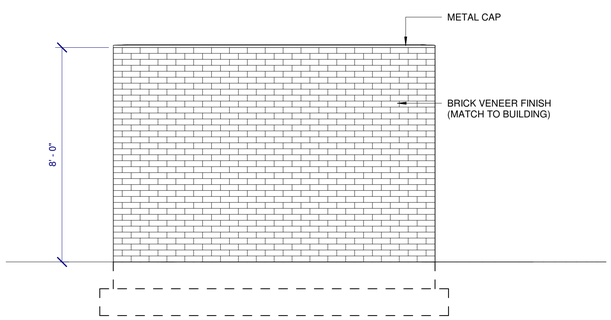
TYP. CMU WALL CORNER DETAILS 6
1 1/2" = 1'-0"



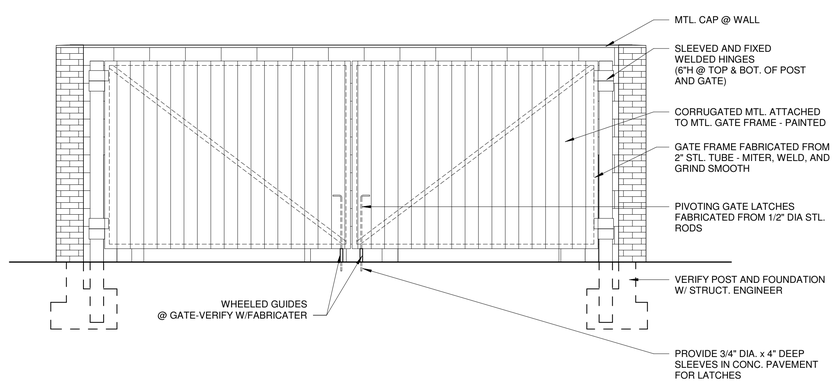
DUMPSTER SECTION 5
1" = 1'-0"



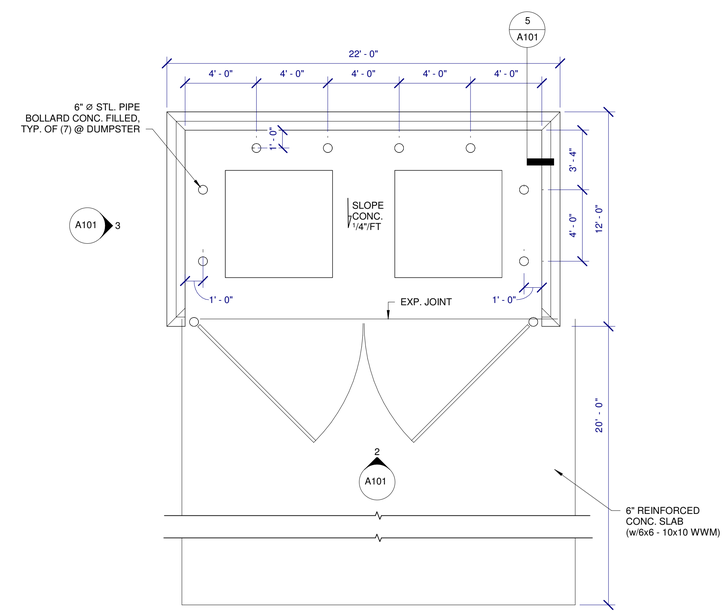
BOLLARD DETAIL 4
3/4" = 1'-0"



DUMPSTER SIDE ELEVATION 3
3/8" = 1'-0"



DUMPSTER FRONT ELEVATION 2
3/8" = 1'-0"



DUMPSTER PLAN 1
1/4" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

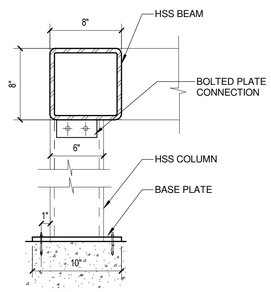
Revision	Date	Description

drawn by: KKJ
checked by: FTM
project no: 25-104

SITE PLAN DETAILS

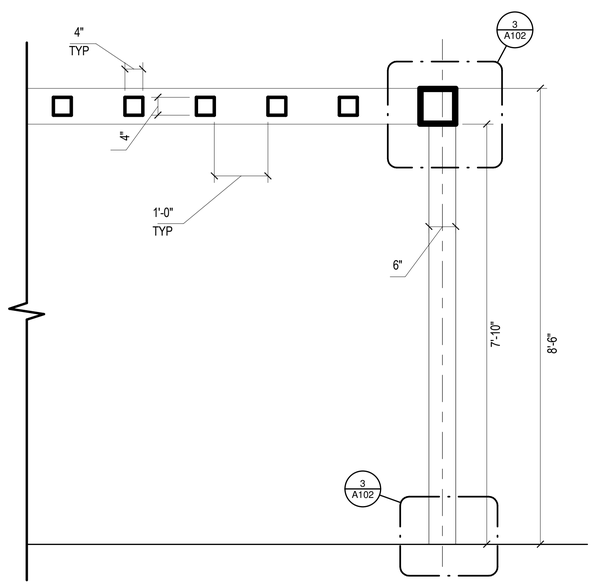
A101

9/18/2026 10:21:39 AM



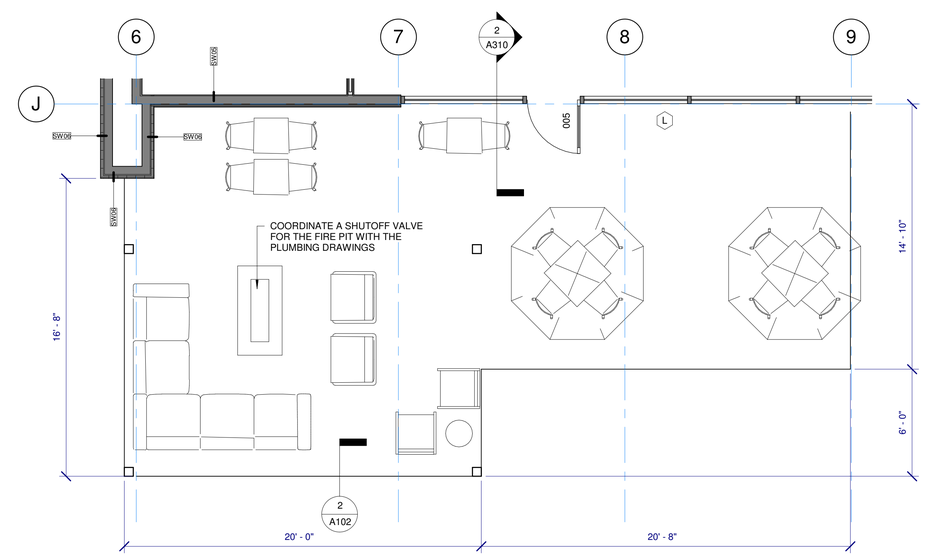
PERGOLA SECTION 2 (3)

1 1/2" = 1'-0"



PERGOLA SECTION 1 (2)

3/4" = 1'-0"



ENLARGED PERGOLA PLAN (1)

1/4" = 1'-0"

2
SHEET
ADDED

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
2	07.20.26	COORDINATION

drawn by: KKJ

checked by: FTM

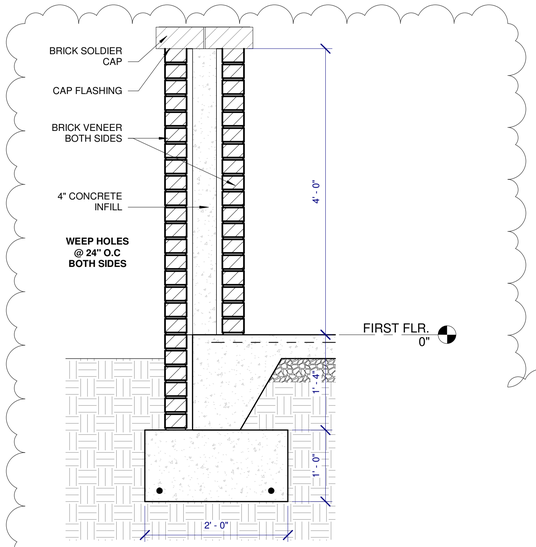
project no: 25-104

SITE DETAILS

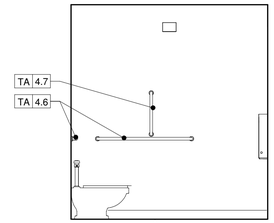
A102

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

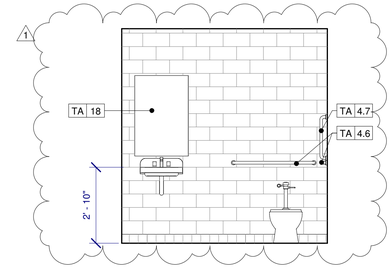
9/18/2026 10:21:42 AM



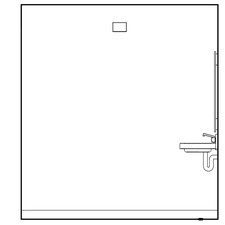
POOL COLUMN DETAIL 3
1" = 1'-0"



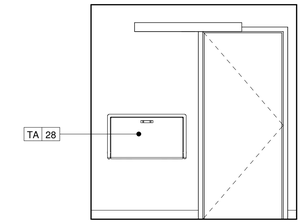
POOL RESTROOM ELEVATION D
3/8" = 1'-0"



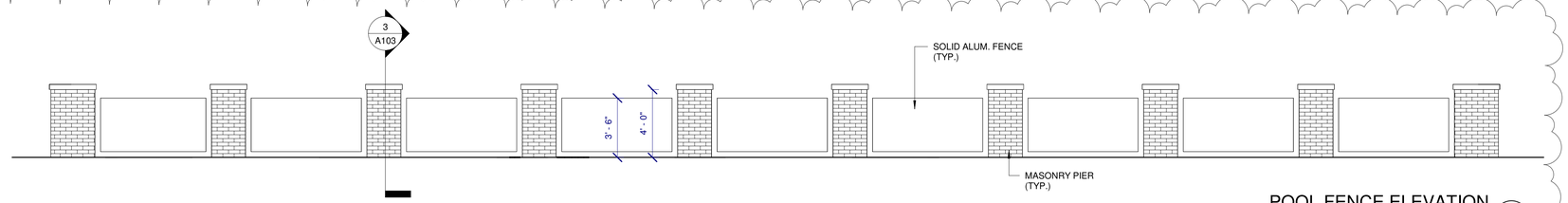
POOL RESTROOM ELEVATION C
3/8" = 1'-0"



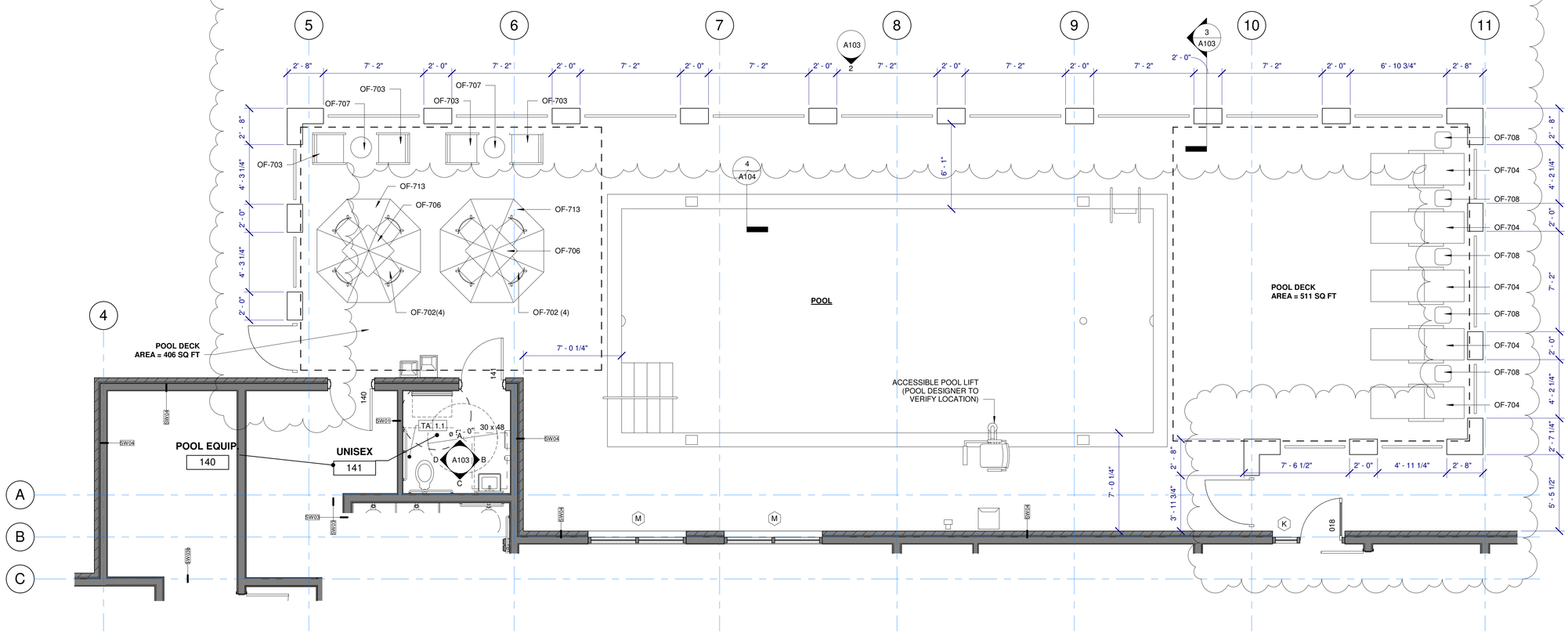
POOL RESTROOM ELEVATION B
3/8" = 1'-0"



POOL RESTROOM ELEVATION A
3/8" = 1'-0"



POOL FENCE ELEVATION 2
1/4" = 1'-0"



ENLARGED POOL PLAN 1
1/4" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
1	04.16.26	HILTON COMMENTS
2	07.20.26	COORDINATION

drawn by: KKJ
checked by: FTM
project no: 25-104

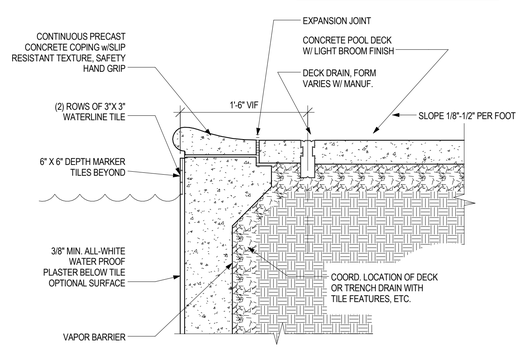
POOL DETAILS

A103

9/18/2026 10:21:49 AM

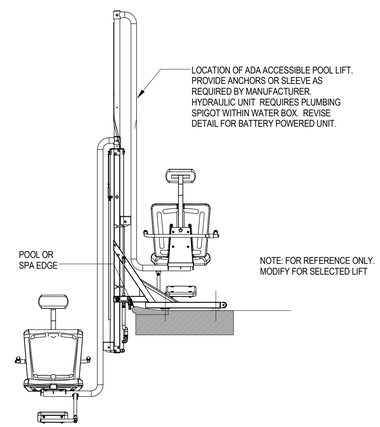
NOTE:

DECKS TO HAVE SOLAR REFLECTIVITY INDEX (SRI) OF NO LESS THAN 0.30



POOL COPING DETAIL 4

1" = 1'-0"



ACCESSIBLE POOL LIFT DETAIL 5

1/2" = 1'-0"

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by:
Author

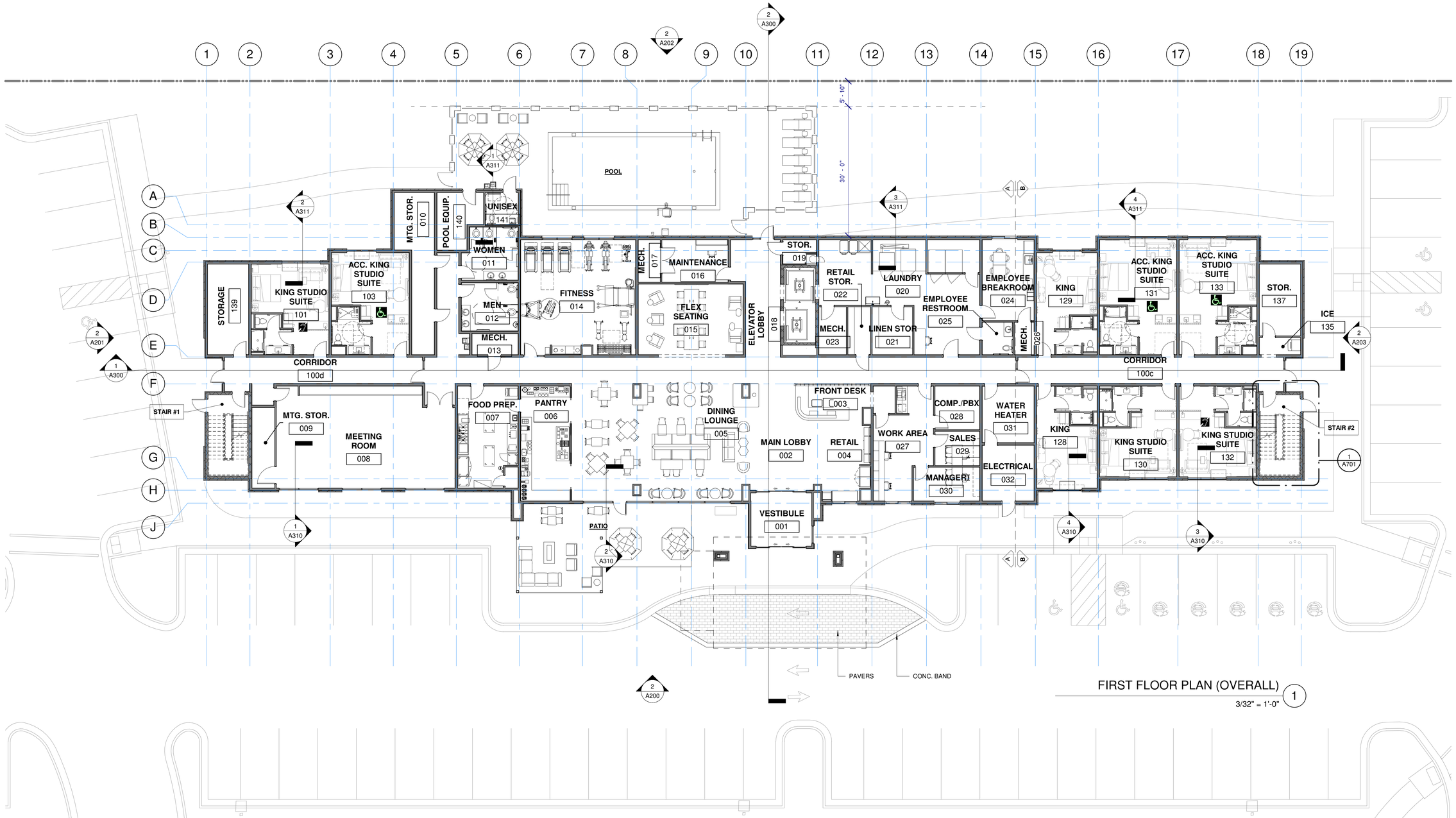
checked by:
Checker

project no:
25-104

POOL DETAILS

A104

9/18/2026 10:21:48 AM



FIRST FLOOR PLAN (OVERALL) 1

3/32" = 1'-0"

ACCESSIBLE ROOMS:

103 (R.I.)
131
133 (R.I.)
218
309
310
409

HEARING IMPAIRED ROOMS:

101
132
218
202
220
222
321
418
421

GUEST ROOM MATRIX

UNIT TYPE	FLOOR				TOTAL	%
	1st	2nd	3rd	4th		
KING	2	9	8	8	27	27
KING STUDIO SUITE	3	6	7	7	23	23
ACCESSIBLE KING STUDIO SUITE	3	-	-	-	3	2
ACCESSIBLE KING	-	-	1	1	2	2
DOUBLE QUEEN	-	15	14	15	44	44
ACCESSIBLE DOUBLE QUEEN	-	1	1	-	2	2
TOTAL	**8**	**31**	**31**	**31**	101	**100.0**

PER THE INTERNATIONAL BUILDING CODE, CHAPTER 11 - ACCESSIBILITY, 5 ACCESSIBLE ROOMS W/ TUBS + 2 ACCESSIBLE ROOMS WITH A ROLL-IN SHOWER REQUIRED.

IN ADDITION TO THE REQUIRED ROOMS LISTED ABOVE, 12 ROOMS ARE REQUIRED TO SERVE PEOPLE WITH HEARING IMPAIRMENTS. NOT MORE THAN 10% OF THE NUMBER OF ACCESSIBLE ROOMS (I.E 1 ROOM) LISTED ABOVE SHALL BE USED TO SATISFY THIS REQUIREMENT. THESE ROOMS ARE INDICATED WITH THE SYMBOL:

= REQUIRED = ADDITIONAL

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

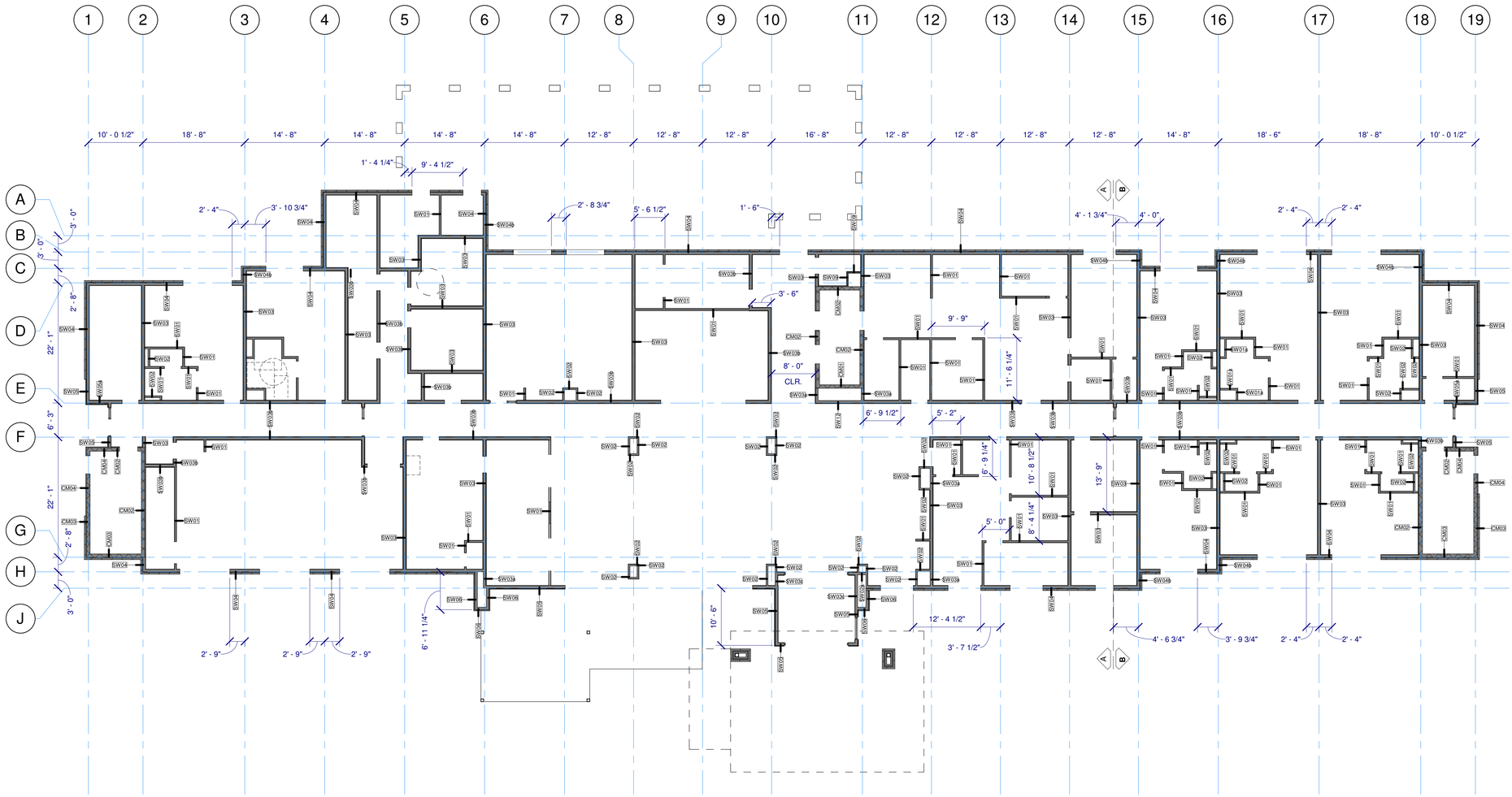
drawn by: KKJ
checked by: FTM
project no: 25-104

FIRST FLOOR (OVERALL PLAN)

A110

9/18/2026 10:21:57 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. 8" SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED. THIS IS NOT AN AUTHORIZED COPY.



FIRST FLOOR PLAN (OVERALL) 1

3/32" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by:
Author

checked by:
Checker

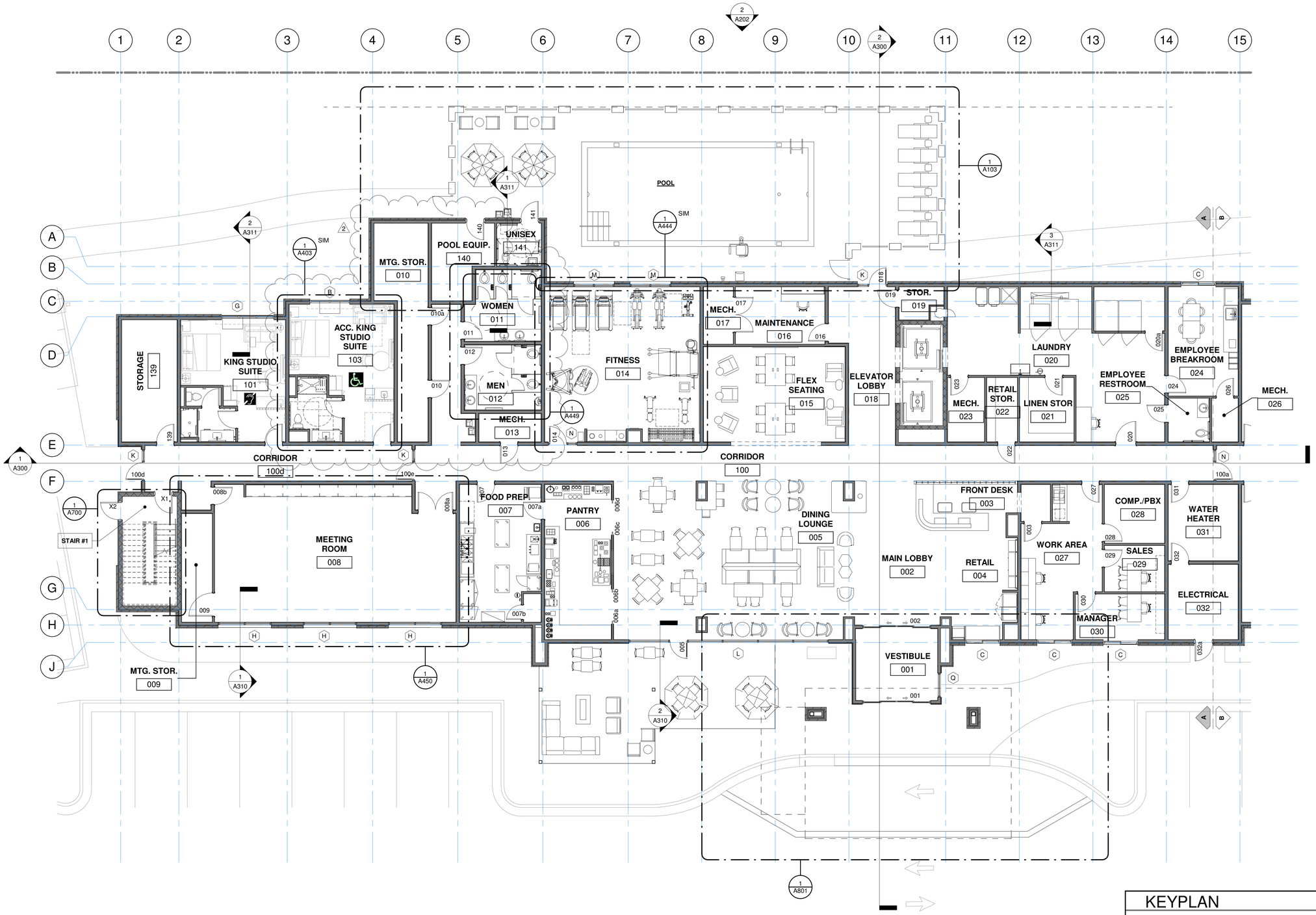
project no:
25-104

FIRST FLOOR
(FRAMING PLAN)

A111

9/18/2026 10:22:02 AM

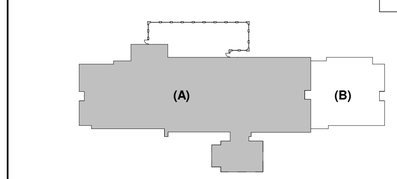
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



FIRST FLOOR PLAN (A) 1

1/8" = 1'-0"

KEYPLAN



OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
2	07.20.26	COORDINATION

drawn by: KKJ

checked by: FTM

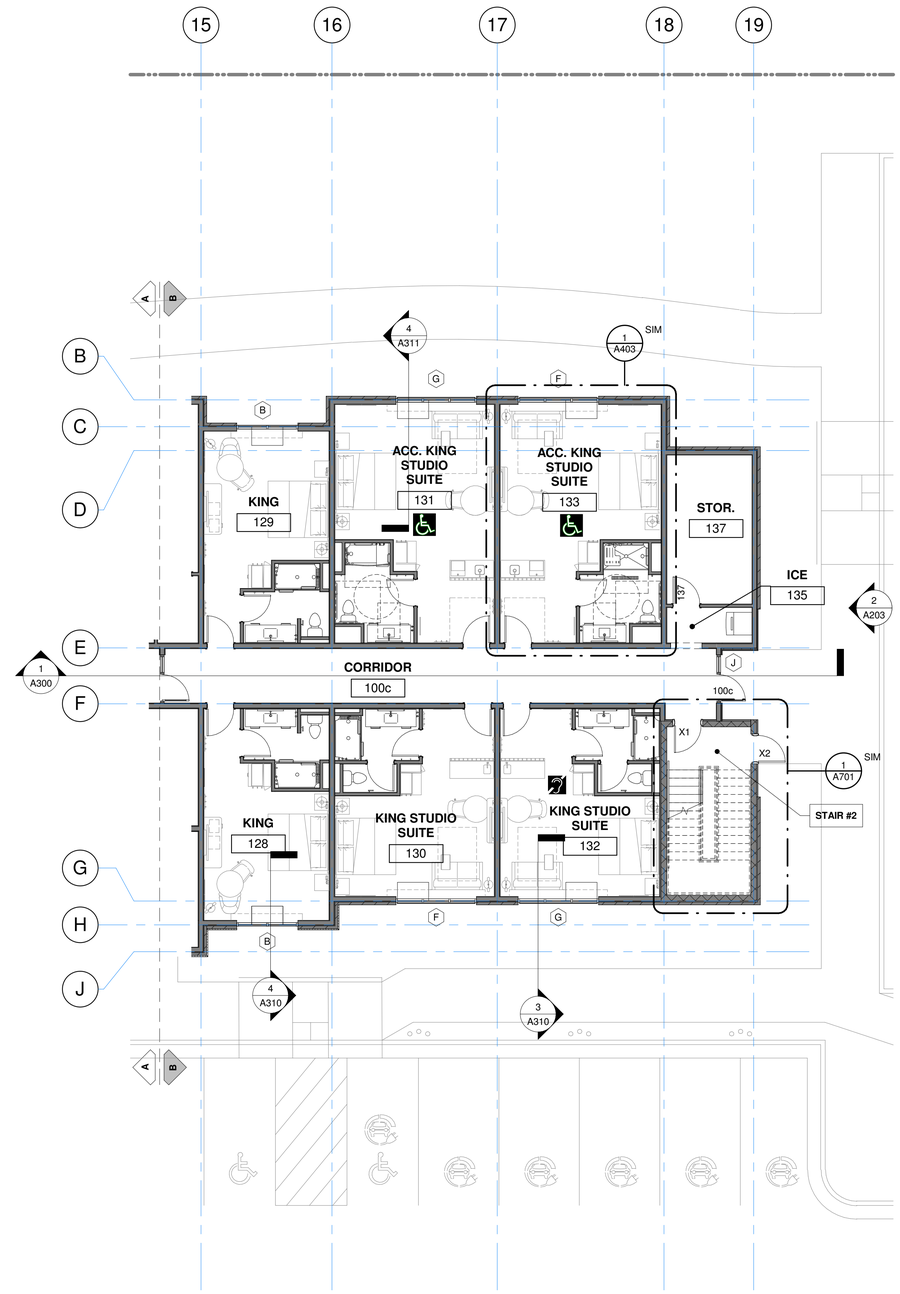
project no: 25-104

FIRST FLOOR PLAN (A)

A112

9/18/2026 10:22:11 AM

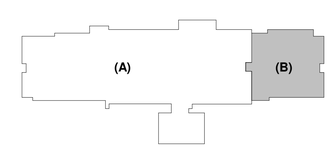
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



FIRST FLOOR PLAN (B) 1

1/8" = 1'-0"

KEYPLAN



OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: KKJ

checked by: FTM

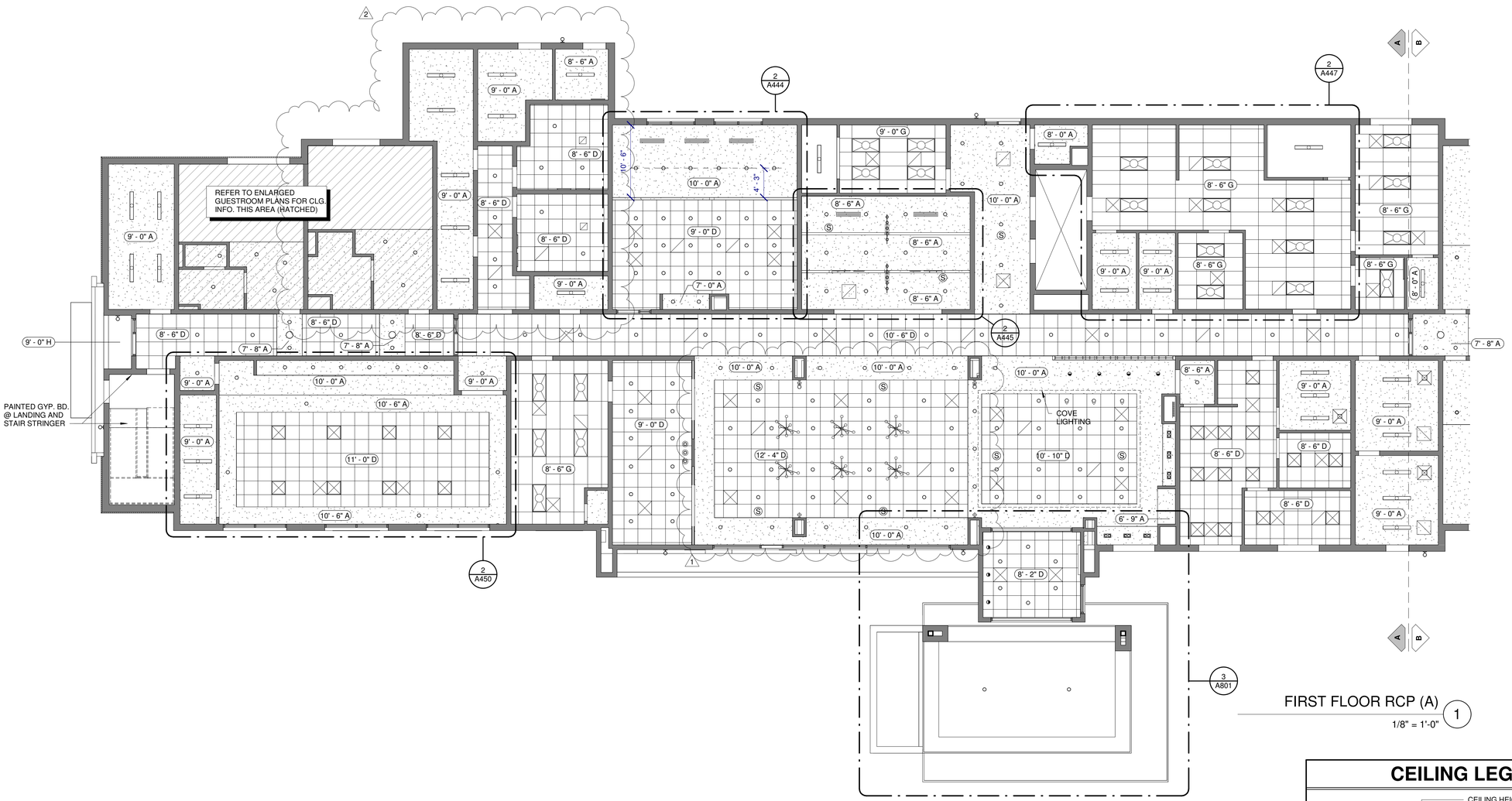
project no: 25-104

FIRST FLOOR PLAN (B)

A113

9/18/2026 10:22:15 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



FIRST FLOOR RCP (A) 1

1/8" = 1'-0"

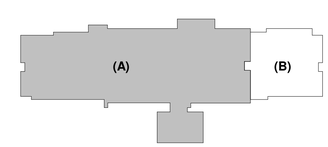
CEILING LEGEND

CEILING HEIGHT

X'-X" Y — CEILING FINISH

FINISH	DESCRIPTION
A	PRIMED AND PAINTED GYPSUM BOARD
B	PRIMED AND PAINTED GYPSUM BOARD - MOISTURE RESISTANT
C	UNDERSIDE OF FLOOR/ ROOF SYSTEM - PRIMED AND PAINTED; REFER TO STANDARDS
D	2x2 LAY IN ACOUSTIC CEILING TILE
E	2x4 LAY IN ACOUSTIC CEILING TILE
F	2x2 LAY IN ACOUSTIC CEILING TILE - VINYL CLAD / WASHABLE
G	2x4 LAY IN ACOUSTIC CEILING TILE - VINYL CLAD / WASHABLE
H	EIFS
J	WOOD PANEL

KEYPLAN



OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
1	04.16.26	HILTON COMMENTS
2	07.20.26	COORDINATION

drawn by:

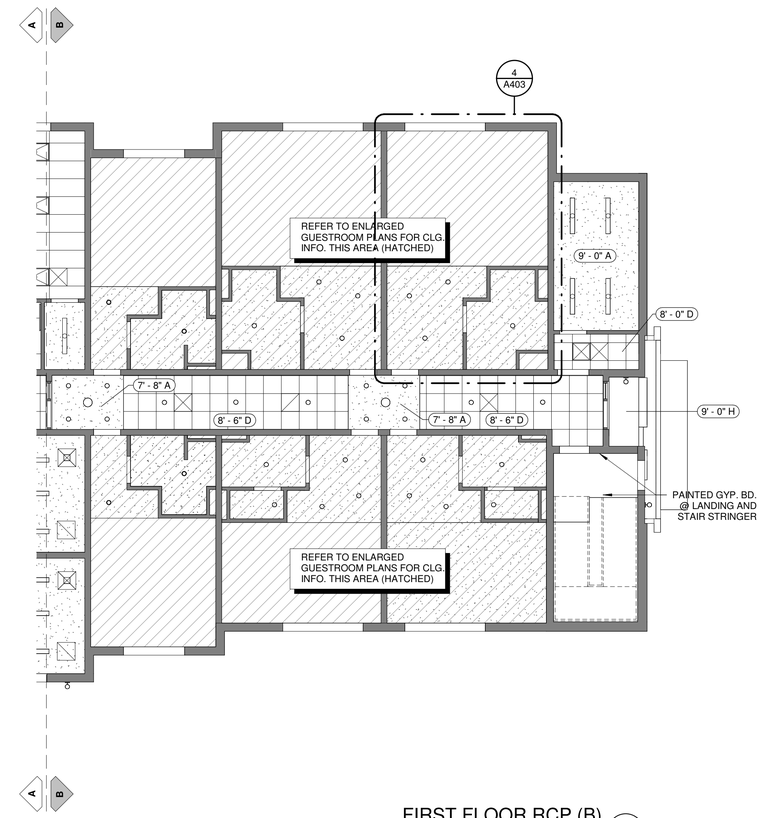
checked by:

project no:
25-104

FIRST FLOOR RCP (A)

A114

9/18/2026 10:22:18 AM



FIRST FLOOR RCP (B) 1

1/8" = 1'-0"

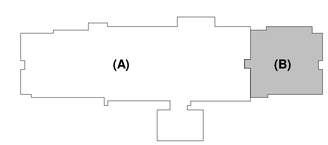
CEILING LEGEND

CEILING HEIGHT

X'-X" Y CEILING FINISH

FINISH	DESCRIPTION
A	PRIMED AND PAINTED GYPSUM BOARD
B	PRIMED AND PAINTED GYPSUM BOARD - MOISTURE RESISTANT
C	UNDERSIDE OF FLOOR/ ROOF SYSTEM - PRIMED AND PAINTED; REFER TO STANDARDS
D	2x2 LAY IN ACOUSTIC CEILING TILE
E	2x4 LAY IN ACOUSTIC CEILING TILE
F	2x2 LAY IN ACOUSTIC CEILING TILE - VINYL CLAD / WASHABLE
G	2x4 LAY IN ACOUSTIC CEILING TILE - VINYL CLAD / WASHABLE
H	EIFS
J	WOOD PANEL

KEYPLAN



OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: KKJ

checked by: FTM

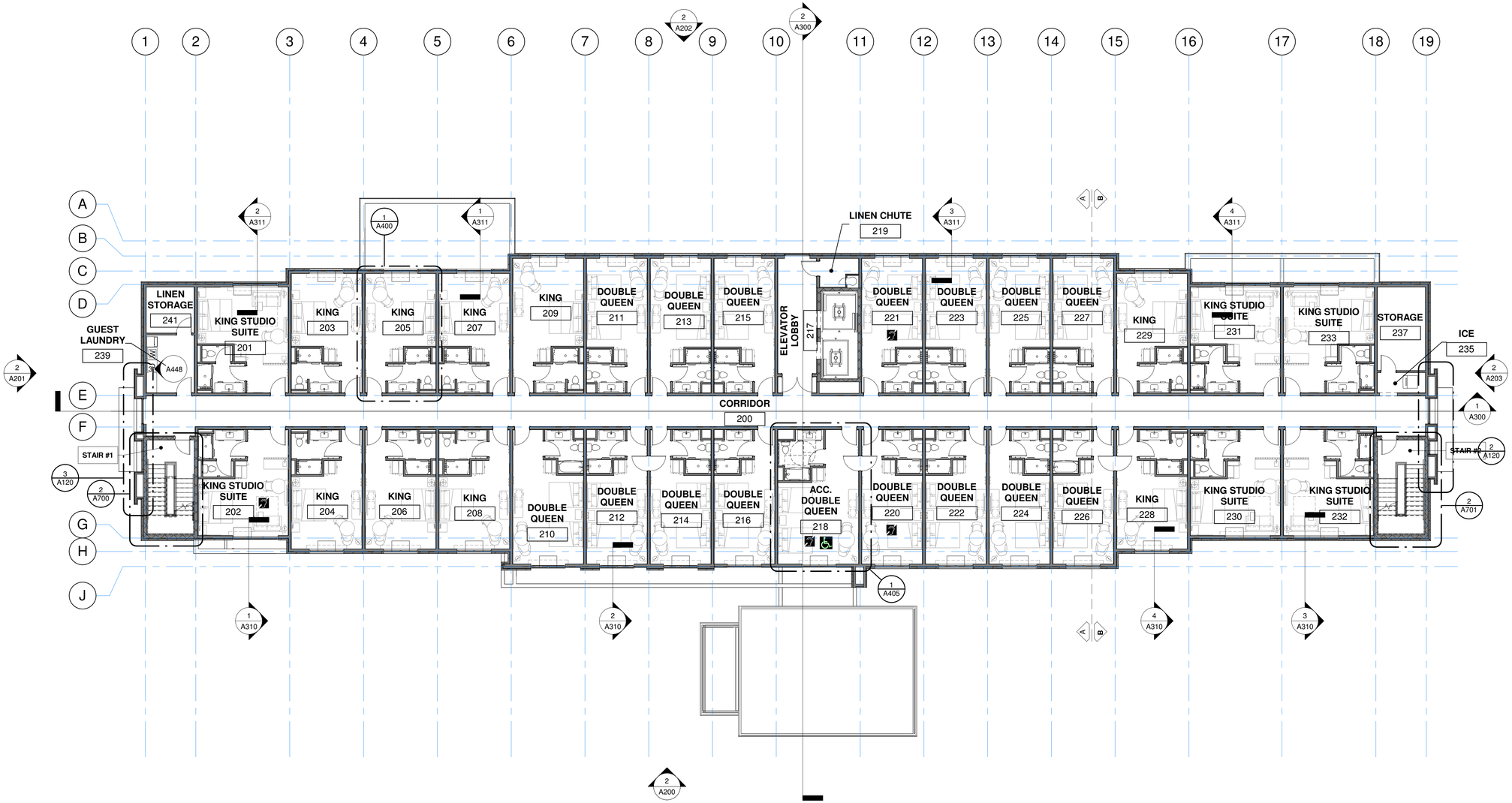
project no: 25-104

FIRST FLOOR RCP (B)

A115

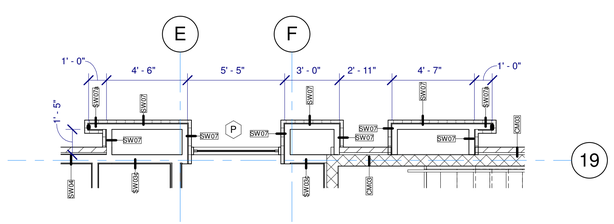
9/18/2026 10:22:21 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



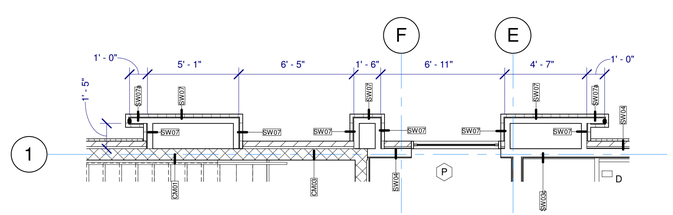
SECOND FLOOR PLAN (OVERALL) 1

3/32" = 1'-0"



LIGHT COVE PLAN 2

1/4" = 1'-0"



LIGHT COVE PLAN 3

1/4" = 1'-0"

ACCESSIBLE ROOMS:

103 (R.I.)
131
133 (R.I.)
218
309
310
409

HEARING IMPAIRED ROOMS:

101
132
218
202
220
222
321
418
421

GUEST ROOM MATRIX

UNIT TYPE	FLOOR				TOTAL	%
	1st	2nd	3rd	4th		
KING	2	9	8	8	27	27
KING STUDIO SUITE	3	6	7	7	23	23
ACCESSIBLE KING STUDIO SUITE	3	-	-	-	3	2
ACCESSIBLE KING	-	-	1	1	2	2
DOUBLE QUEEN	-	15	14	15	44	44
ACCESSIBLE DOUBLE QUEEN	-	1	1	-	2	2
TOTAL	**8**	**31**	**31**	**31**	101	**100.0**

PER THE INTERNATIONAL BUILDING CODE, CHAPTER 11 - ACCESSIBILITY, 5 ACCESSIBLE ROOMS W/ TUBS + 2 ACCESSIBLE ROOMS WITH A ROLL-IN SHOWER REQUIRED.

IN ADDITION TO THE REQUIRED ROOMS LISTED ABOVE, 12 ROOMS ARE REQUIRED TO SERVE PEOPLE WITH HEARING IMPAIRMENTS. NOT MORE THAN 10% OF THE NUMBER OF ACCESSIBLE ROOMS (I.E 1 ROOM) LISTED ABOVE SHALL BE USED TO SATISFY THIS REQUIREMENT. THESE ROOMS ARE INDICATED WITH THE SYMBOL:

= REQUIRED = ADDITIONAL

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: KKJ

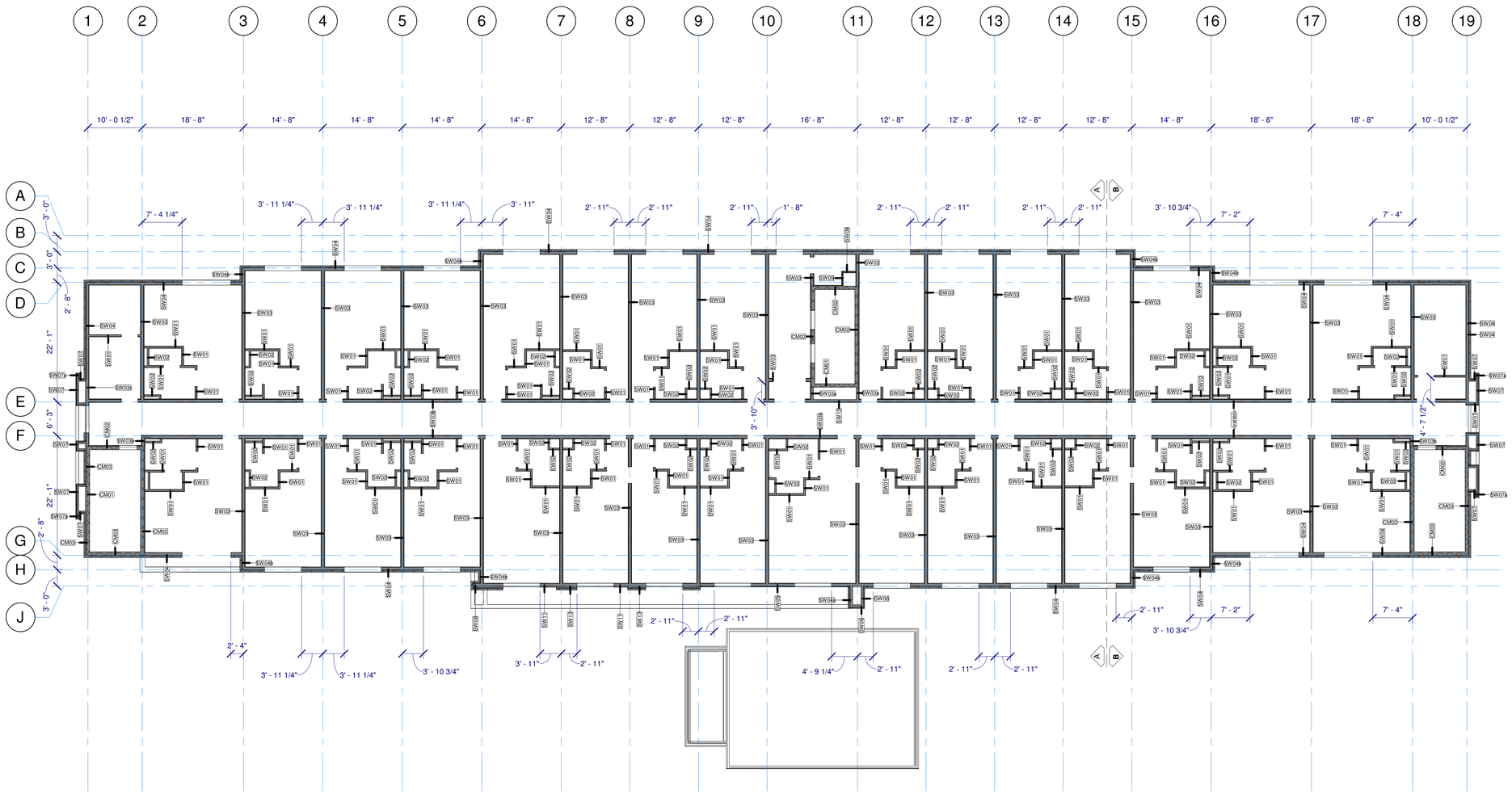
checked by: FTM

project no: 25-104

SECOND FLOOR (OVERALL PLAN)

A120

9/18/2026 10:22:29 AM



SECOND FLOOR PLAN (OVERALL) 1

3/32" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by:
KKJ

checked by:
FTM

project no:
25-104

SECOND FLOOR
(FRAMING PLAN)

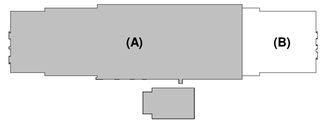
A121

9/18/2026 10:22:36 AM

SECOND FLOOR PLAN - SIDE A (1)

1/8" = 1'-0"

KEYPLAN



OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

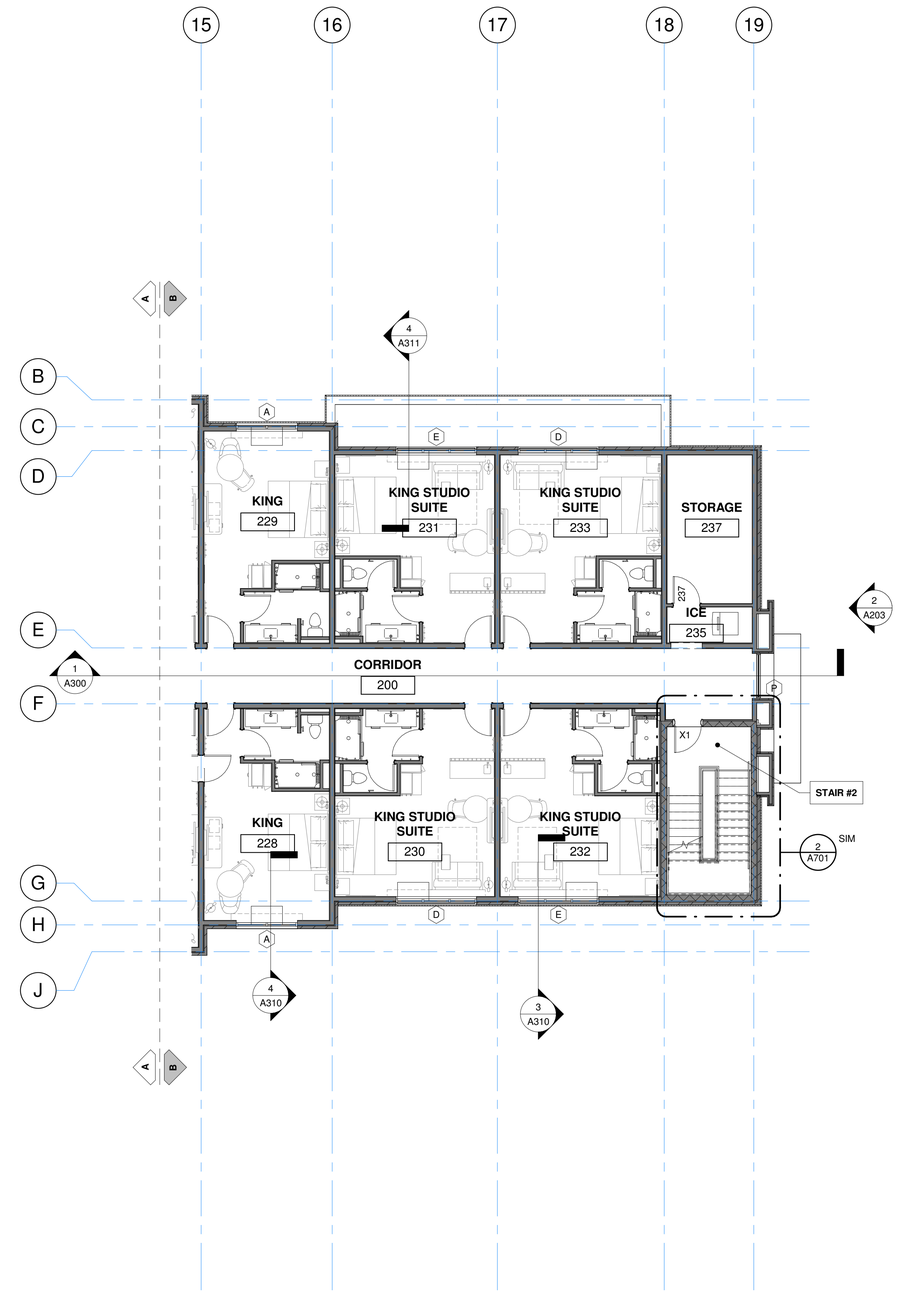
drawn by: KKJ
checked by: FTM
project no: 25-104

SECOND FLOOR PLAN (A)

A122

9/18/2026 10:22:45 AM

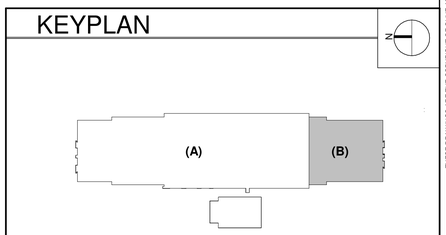
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



SECOND FLOOR PLAN - SIDE B (1)

1/8" = 1'-0"

KEYPLAN



OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: KKJ

checked by: FTM

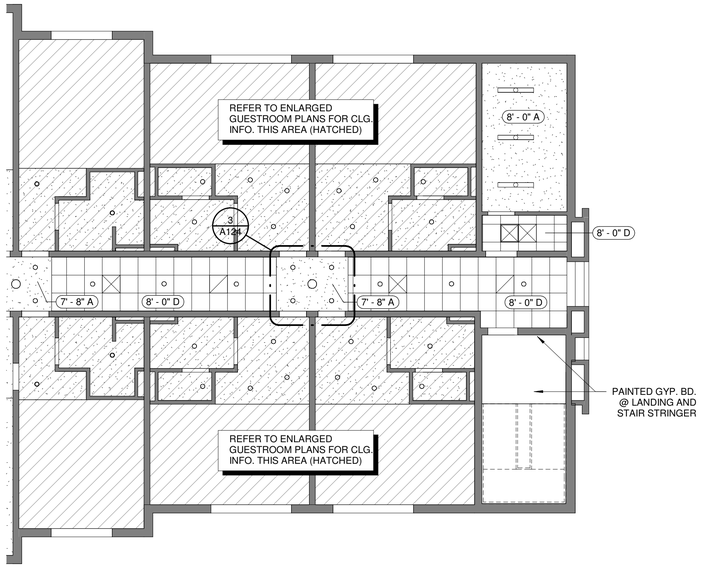
project no: 25-104

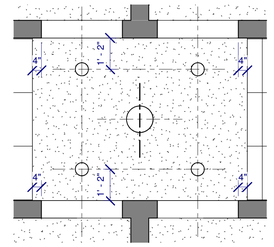
SECOND FLOOR PLAN (B)

A123

9/18/2026 10:22:51 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.





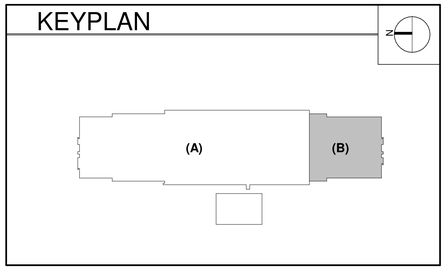
GUESTROOM DR. CEILING FEATURE (TYP.) 3

3/8" = 1'-0"

CEILING LEGEND

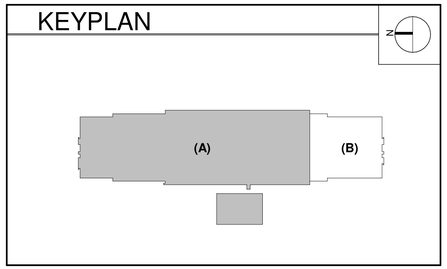
X'-X" Y — CEILING HEIGHT / CEILING FINISH

FINISH	DESCRIPTION
A	PRIMED AND PAINTED GYPSUM BOARD
B	PRIMED AND PAINTED GYPSUM BOARD - MOISTURE RESISTANT
C	UNDERSIDE OF FLOOR/ ROOF SYSTEM - PRIMED AND PAINTED; REFER TO STANDARDS
D	2x2 LAY IN ACOUSTIC CEILING TILE
E	2x4 LAY IN ACOUSTIC CEILING TILE
F	2x2 LAY IN ACOUSTIC CEILING TILE - VINYL CLAD / WASHABLE
G	2x4 LAY IN ACOUSTIC CEILING TILE - VINYL CLAD / WASHABLE
H	EIFS
J	WOOD PANEL



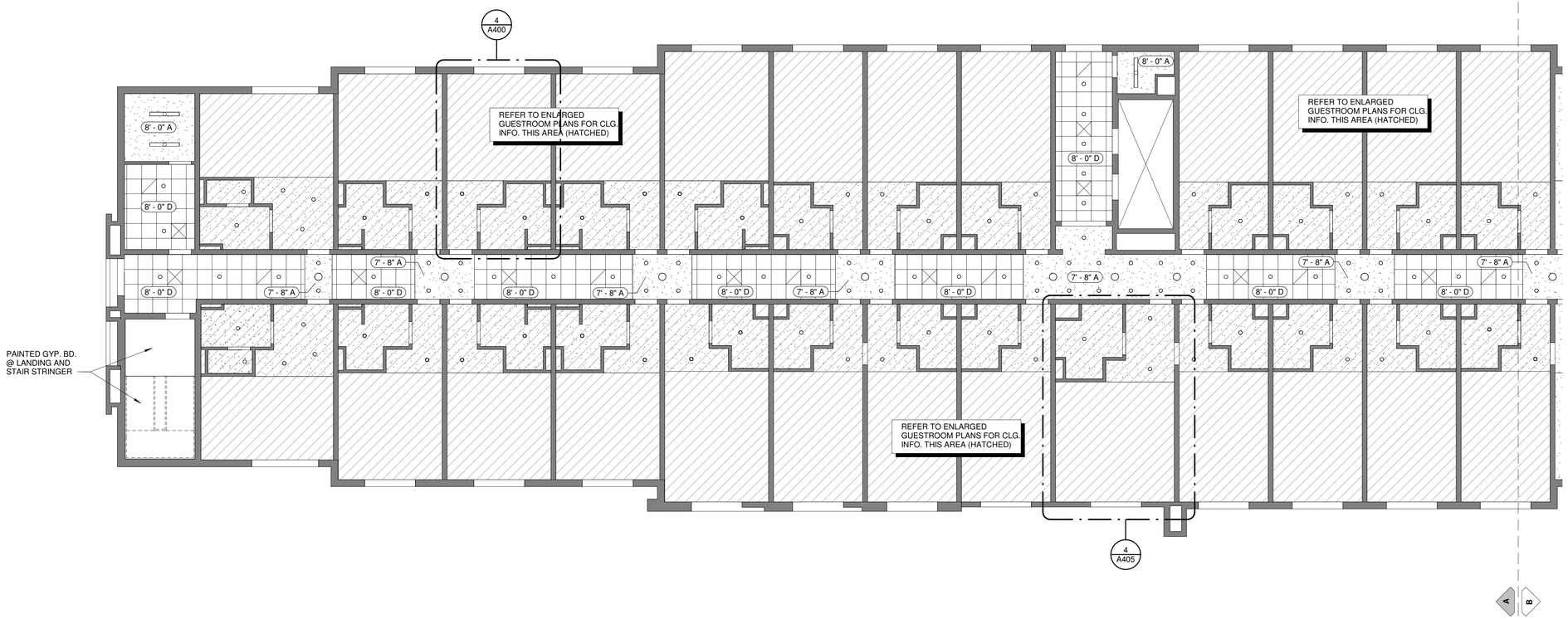
SECOND FLOOR RCP (B) 2

1/8" = 1'-0"



SECOND FLOOR RCP (A) 1

1/8" = 1'-0"



OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: KKJ

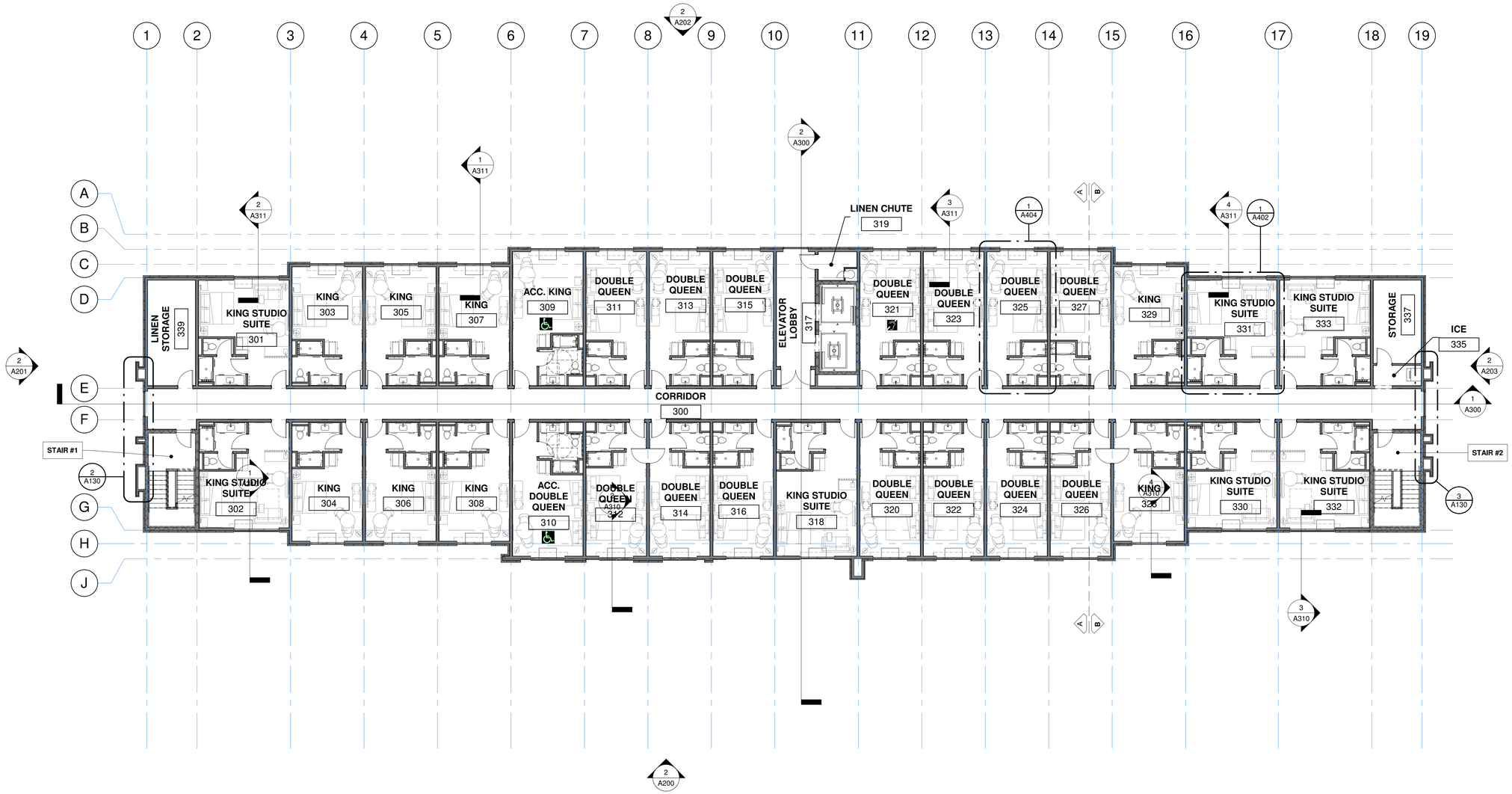
checked by: FTM

project no: 25-104

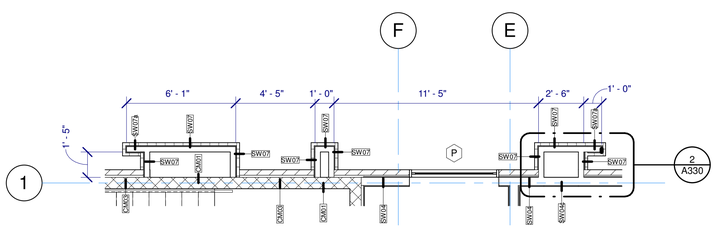
SECOND FLOOR RCP (A)&(B)

A124

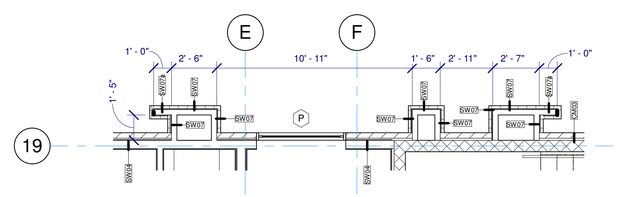
9/18/2026 10:22:55 AM



THIRD FLOOR PLAN (OVERALL) 1
3/32" = 1'-0"



LIGHT COVE PLAN 2
1/4" = 1'-0"



LIGHT COVE PLAN 3
1/4" = 1'-0"

ACCESSIBLE ROOMS:

103 (R.I.)
131
133 (R.I.)
218
309
310
409

HEARING IMPAIRED ROOMS:

101
132
218
202
220
222
321
418
421

GUEST ROOM MATRIX

UNIT TYPE	FLOOR				TOTAL	%
	1st	2nd	3rd	4th		
KING	2	9	8	8	27	27
KING STUDIO SUITE	3	6	7	7	23	23
ACCESSIBLE KING STUDIO SUITE	3	-	-	-	3	2
ACCESSIBLE KING	-	-	1	1	2	2
DOUBLE QUEEN	-	15	14	15	44	44
ACCESSIBLE DOUBLE QUEEN	-	1	1	-	2	2
TOTAL	**8**	**31**	**31**	**31**	101	**100.0**

PER THE INTERNATIONAL BUILDING CODE, CHAPTER 11 - ACCESSIBILITY, 5 ACCESSIBLE ROOMS W/ TUBS + 2 ACCESSIBLE ROOMS WITH A ROLL-IN SHOWER REQUIRED.

IN ADDITION TO THE REQUIRED ROOMS LISTED ABOVE, 12 ROOMS ARE REQUIRED TO SERVE PEOPLE WITH HEARING IMPAIRMENTS. NOT MORE THAN 10% OF THE NUMBER OF ACCESSIBLE ROOMS (I.E 1 ROOM) LISTED ABOVE SHALL BE USED TO SATISFY THIS REQUIREMENT. THESE ROOMS ARE INDICATED WITH THE SYMBOL:

= REQUIRED = ADDITIONAL

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
RESPECTED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

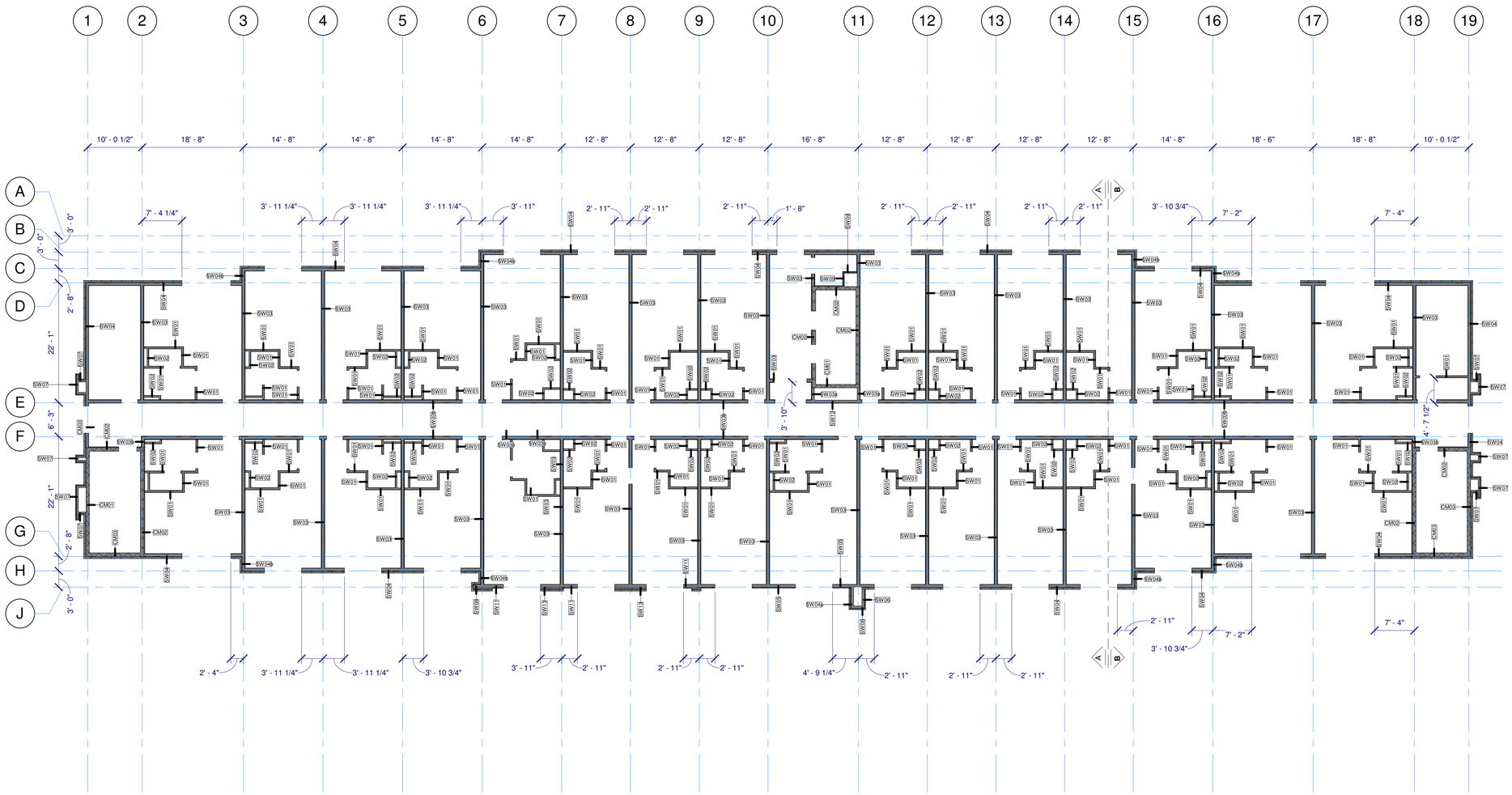
Revision	Date	Description

drawn by: KKJ
checked by: FTM
project no: 25-104

THIRD FLOOR (OVERALL PLAN)

A130

9/18/2026 10:23:04 AM



THIRD FLOOR PLAN (OVERALL) 1

3/32" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by:
Author

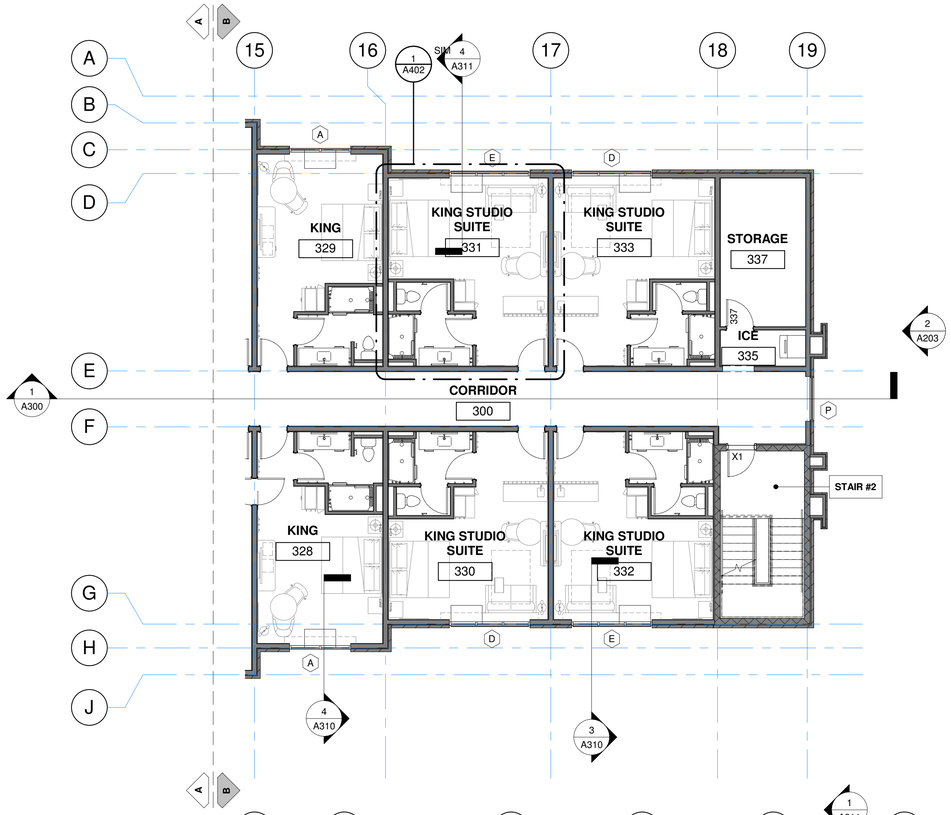
checked by:
FTM

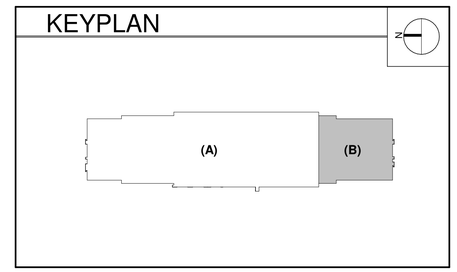
project no:
25-104

THIRD FLOOR
(FRAMING PLAN)

A131

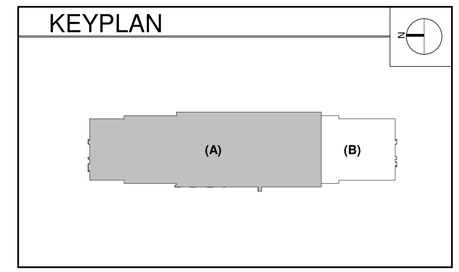
9/18/2026 10:23:10 AM





THIRD FLOOR PLAN (B) 3

1/8" = 1'-0"



THIRD FLOOR PLAN (A) 1

1/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: KKJ

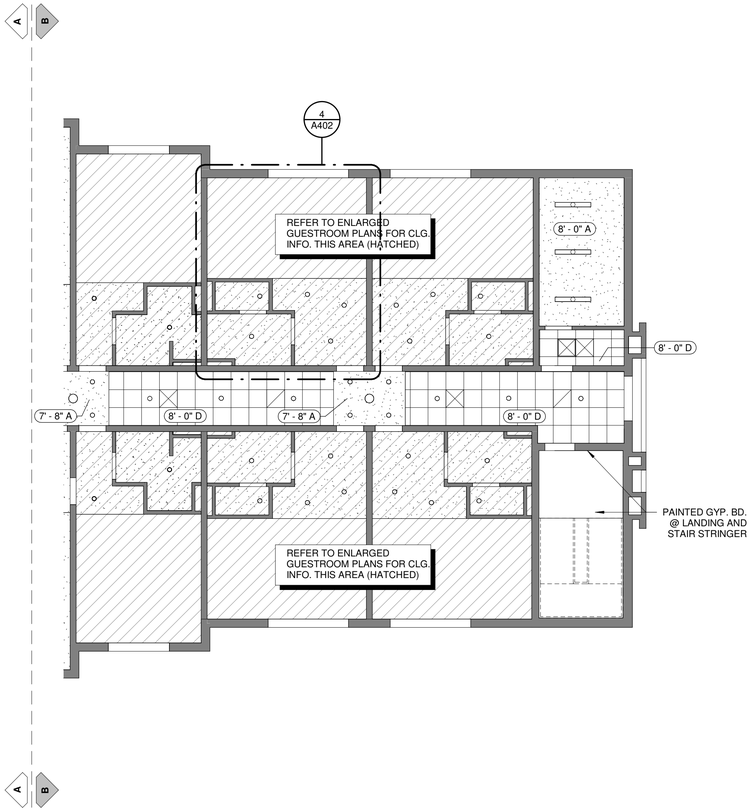
checked by: FTM

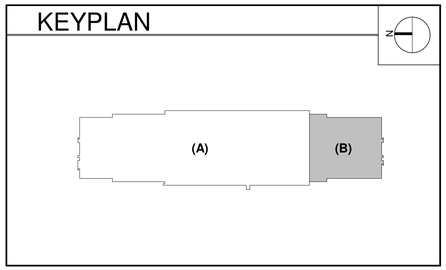
project no: 25-104

THIRD FLOOR PLAN (A)&(B)

A132

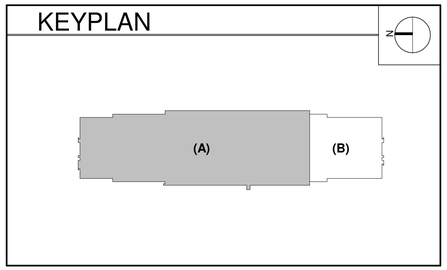
9/18/2026 10:23:22 AM





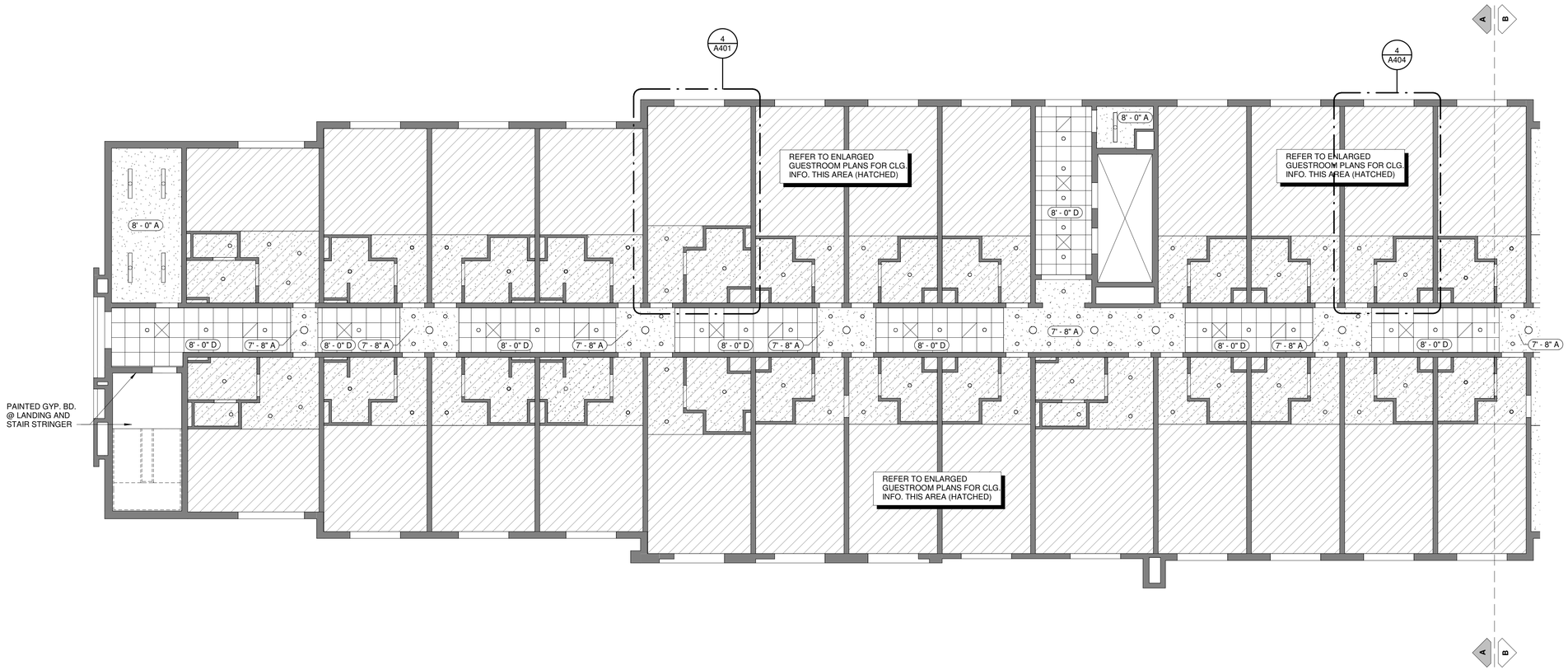
THIRD FLOOR RCP (B) 2

1/8" = 1'-0"



THIRD FLOOR RCP (A) 1

1/8" = 1'-0"



CEILING LEGEND

CEILING HEIGHT

X'-X" Y — CEILING FINISH

FINISH	DESCRIPTION
A	PRIMED AND PAINTED GYPSUM BOARD
B	PRIMED AND PAINTED GYPSUM BOARD - MOISTURE RESISTANT
C	UNDERSIDE OF FLOOR/ ROOF SYSTEM - PRIMED AND PAINTED; REFER TO STANDARDS
D	2x2 LAY IN ACOUSTIC CEILING TILE
E	2x4 LAY IN ACOUSTIC CEILING TILE
F	2x2 LAY IN ACOUSTIC CEILING TILE - VINYL CLAD / WASHABLE
G	2x4 LAY IN ACOUSTIC CEILING TILE - VINYL CLAD / WASHABLE
H	EIFS
J	WOOD PANEL

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: KKJ

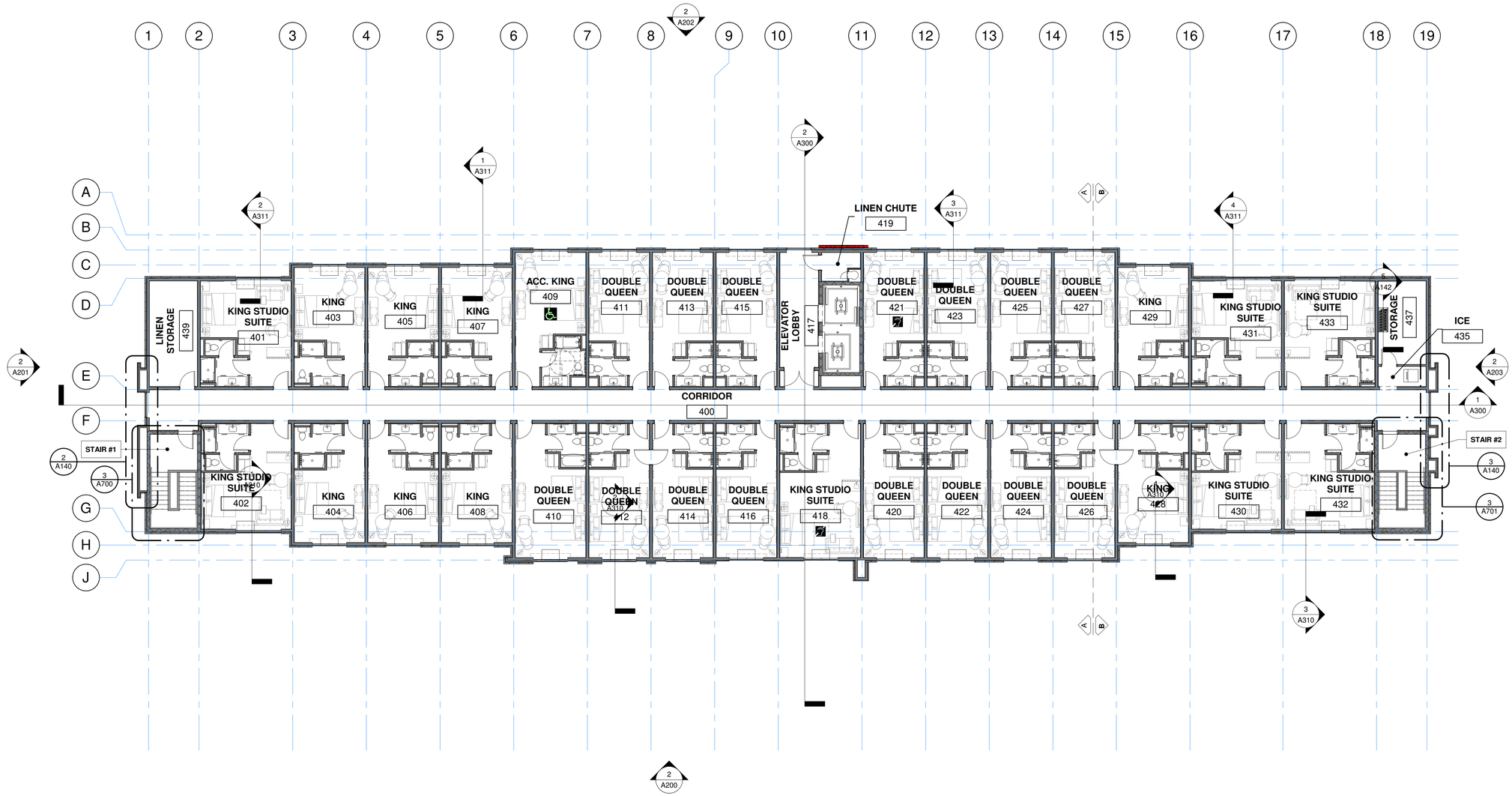
checked by: FTM

project no: 25-104

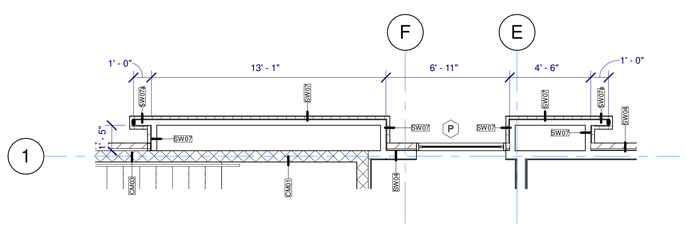
THIRD FLOOR RCP (A)&(B)

A133

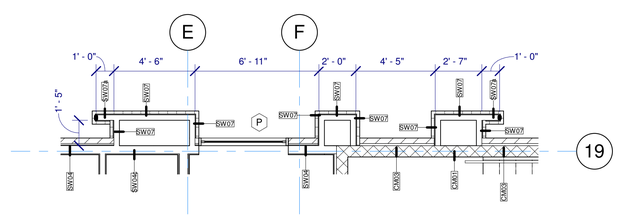
9/18/2026 10:23:26 AM



FOURTH FLOOR PLAN (OVERALL) 1
3/32" = 1'-0"



LIGHT COVE PLAN 2
1/4" = 1'-0"



LIGHT COVE PLAN 3
1/4" = 1'-0"

ACCESSIBLE ROOMS:

103 (R.I.)
131
133 (R.I.)
218
309
310
409

HEARING IMPAIRED ROOMS:

101
132
218
202
220
222
321
418
421

GUEST ROOM MATRIX

UNIT TYPE	FLOOR				TOTAL	%
	1st	2nd	3rd	4th		
KING	2	9	8	8	27	27
KING STUDIO SUITE	3	6	7	7	23	23
ACCESSIBLE KING STUDIO SUITE	3	-	-	-	3	2
ACCESSIBLE KING	-	-	1	1	2	2
DOUBLE QUEEN	-	15	14	15	44	44
ACCESSIBLE DOUBLE QUEEN	-	1	1	-	2	2
TOTAL	**8**	**31**	**31**	**31**	101	**100.0**

PER THE INTERNATIONAL BUILDING CODE, CHAPTER 11 - ACCESSIBILITY, 5 ACCESSIBLE ROOMS W/ TUBS + 2 ACCESSIBLE ROOMS WITH A ROLL-IN SHOWER REQUIRED.

IN ADDITION TO THE REQUIRED ROOMS LISTED ABOVE, 12 ROOMS ARE REQUIRED TO SERVE PEOPLE WITH HEARING IMPAIRMENTS. NOT MORE THAN 10% OF THE NUMBER OF ACCESSIBLE ROOMS (I.E 1 ROOM) LISTED ABOVE SHALL BE USED TO SATISFY THIS REQUIREMENT. THESE ROOMS ARE INDICATED WITH THE SYMBOL:

= REQUIRED = ADDITIONAL

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
RESPECTED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

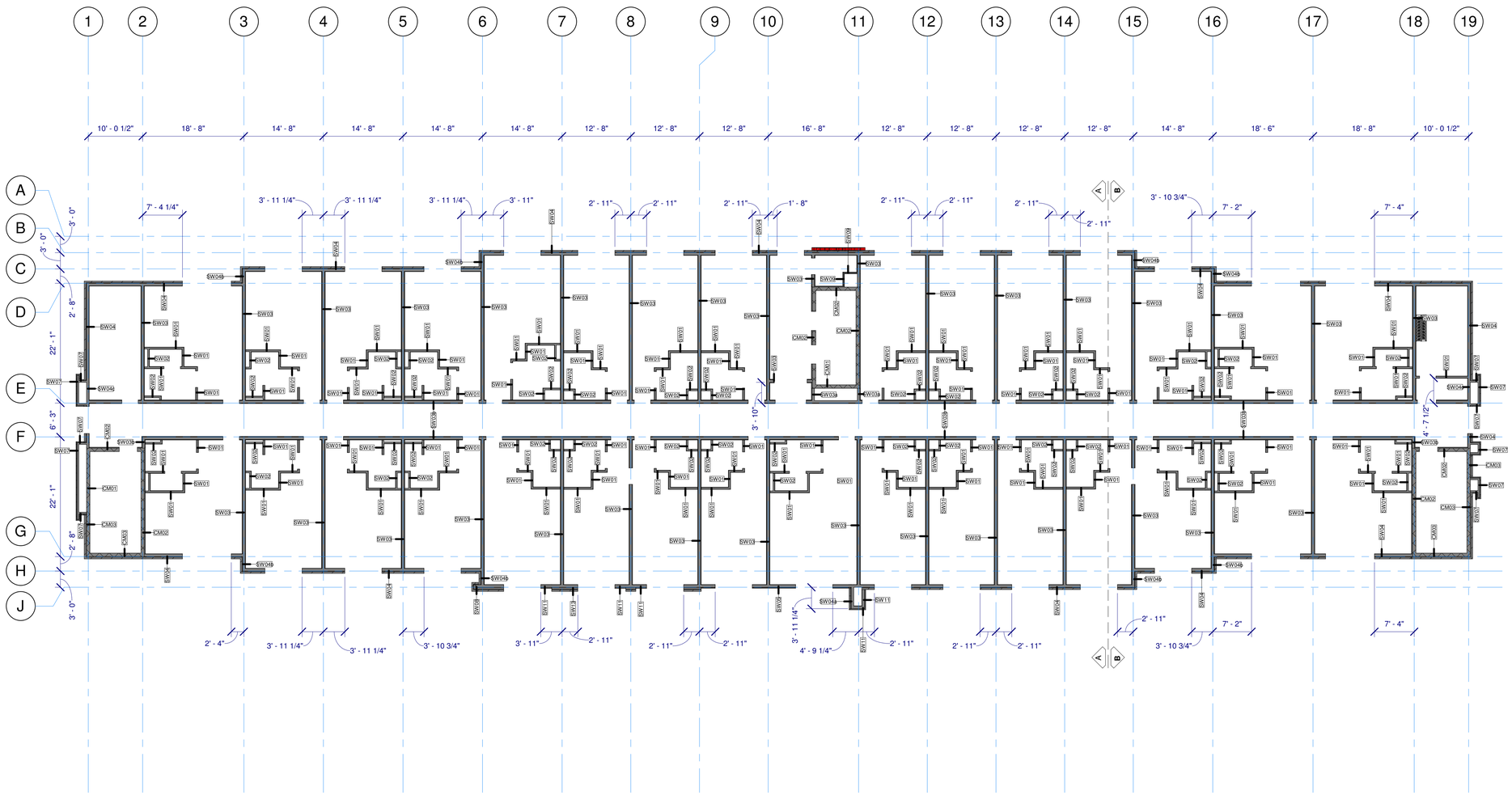
drawn by: KKJ
checked by: FTM
project no: 25-104

FOURTH FLOOR (OVERALL PLAN)

A140

9/18/2026 10:23:35 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



FOURTH FLOOR PLAN (OVERALL) 1

3/32" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by:
Author

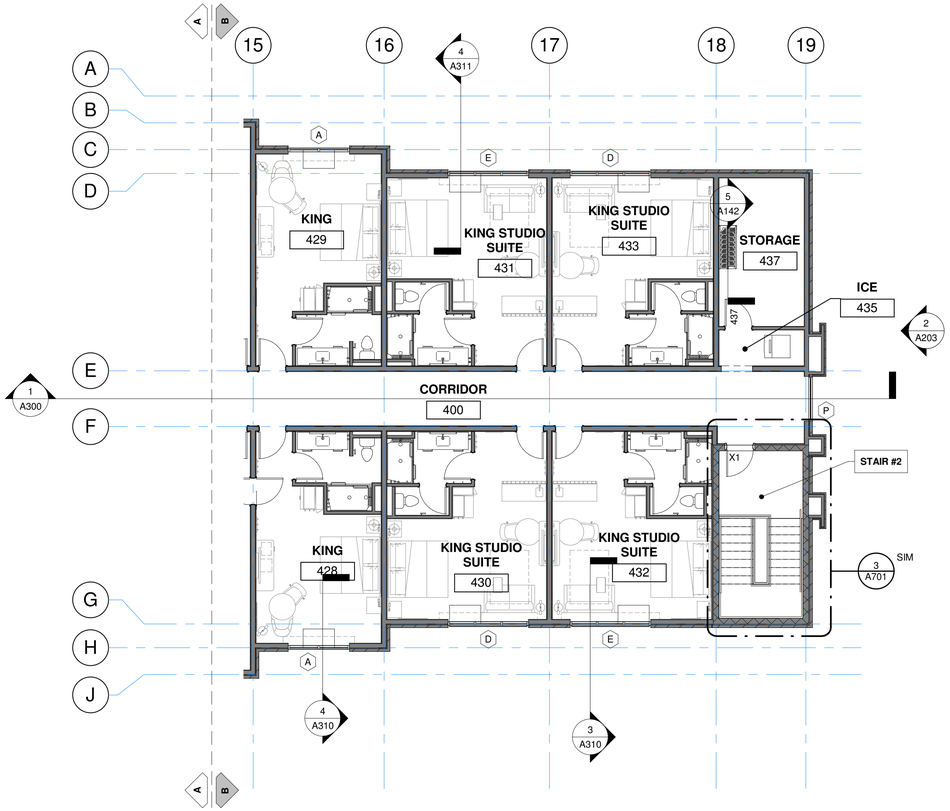
checked by:
FTM

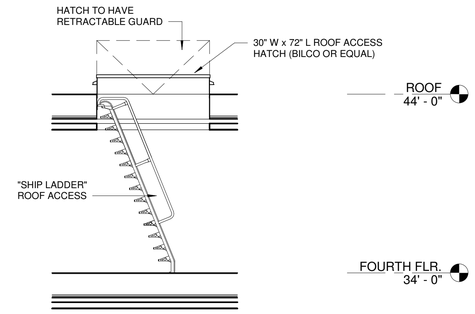
project no:
25-104

FOURTH FLOOR
(FRAMING PLAN)

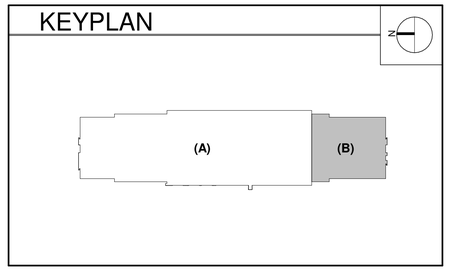
A141

9/18/2026 10:23:42 AM

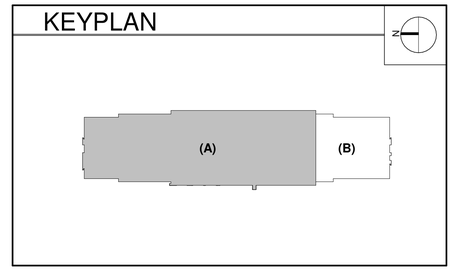




ROOF HATCH SECTION 5
1/4" = 1'-0"



FOURTH FLOOR PLAN (B) 3
1/8" = 1'-0"



FOURTH FLOOR PLAN (A) 1
1/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

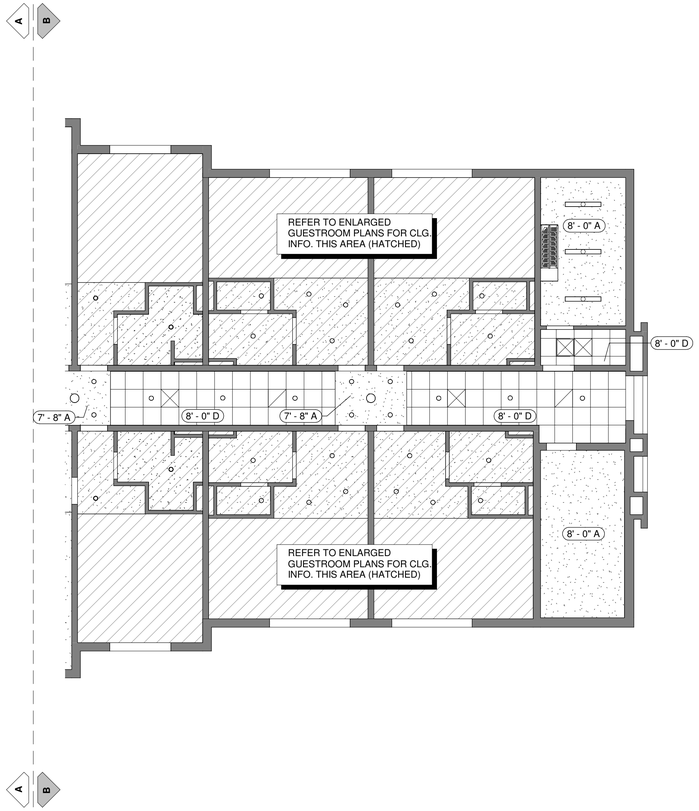
Revision	Date	Description

drawn by: KKJ
checked by: FTM
project no: 25-104

FOURTH FLOOR PLAN (A)&(B)

A142

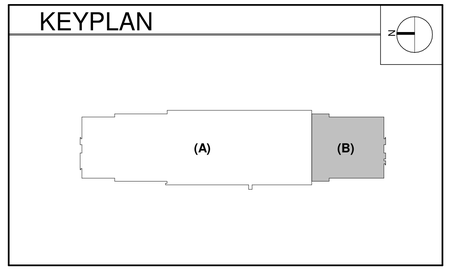
9/18/2026 10:23:55 AM



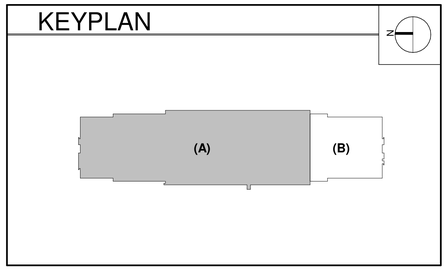
CEILING LEGEND

X'-X" Y — CEILING HEIGHT / CEILING FINISH

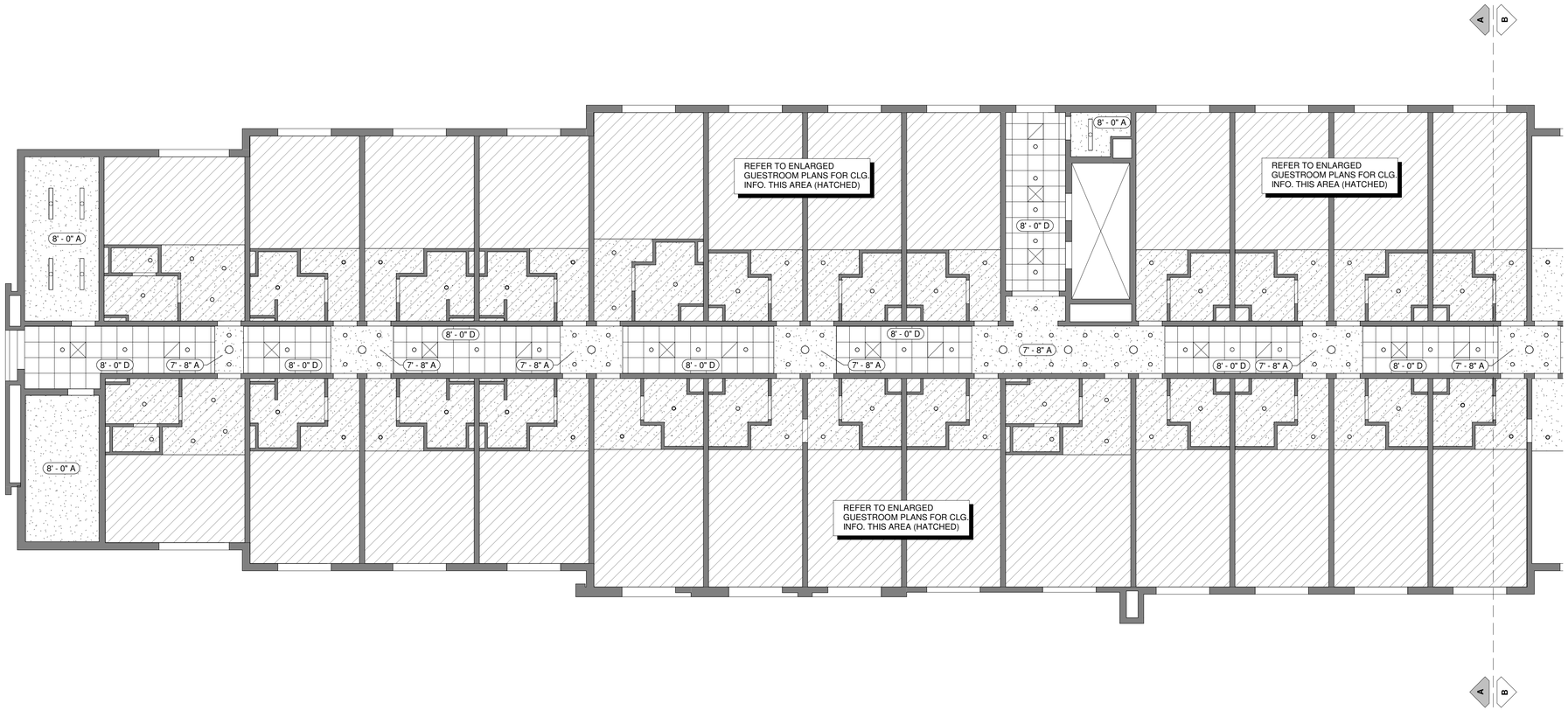
FINISH	DESCRIPTION
A	PRIMED AND PAINTED GYPSUM BOARD
B	PRIMED AND PAINTED GYPSUM BOARD - MOISTURE RESISTANT
C	UNDERSIDE OF FLOOR/ ROOF SYSTEM - PRIMED AND PAINTED; REFER TO STANDARDS
D	2x2 LAY IN ACOUSTIC CEILING TILE
E	2x4 LAY IN ACOUSTIC CEILING TILE
F	2x2 LAY IN ACOUSTIC CEILING TILE - VINYL CLAD / WASHABLE
G	2x4 LAY IN ACOUSTIC CEILING TILE - VINYL CLAD / WASHABLE
H	EIFS
J	WOOD PANEL



FOURTH FLOOR RCP (B) 2
1/8" = 1'-0"



FOURTH FLOOR RCP (A) 1
1/8" = 1'-0"



OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. 8" SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED. THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

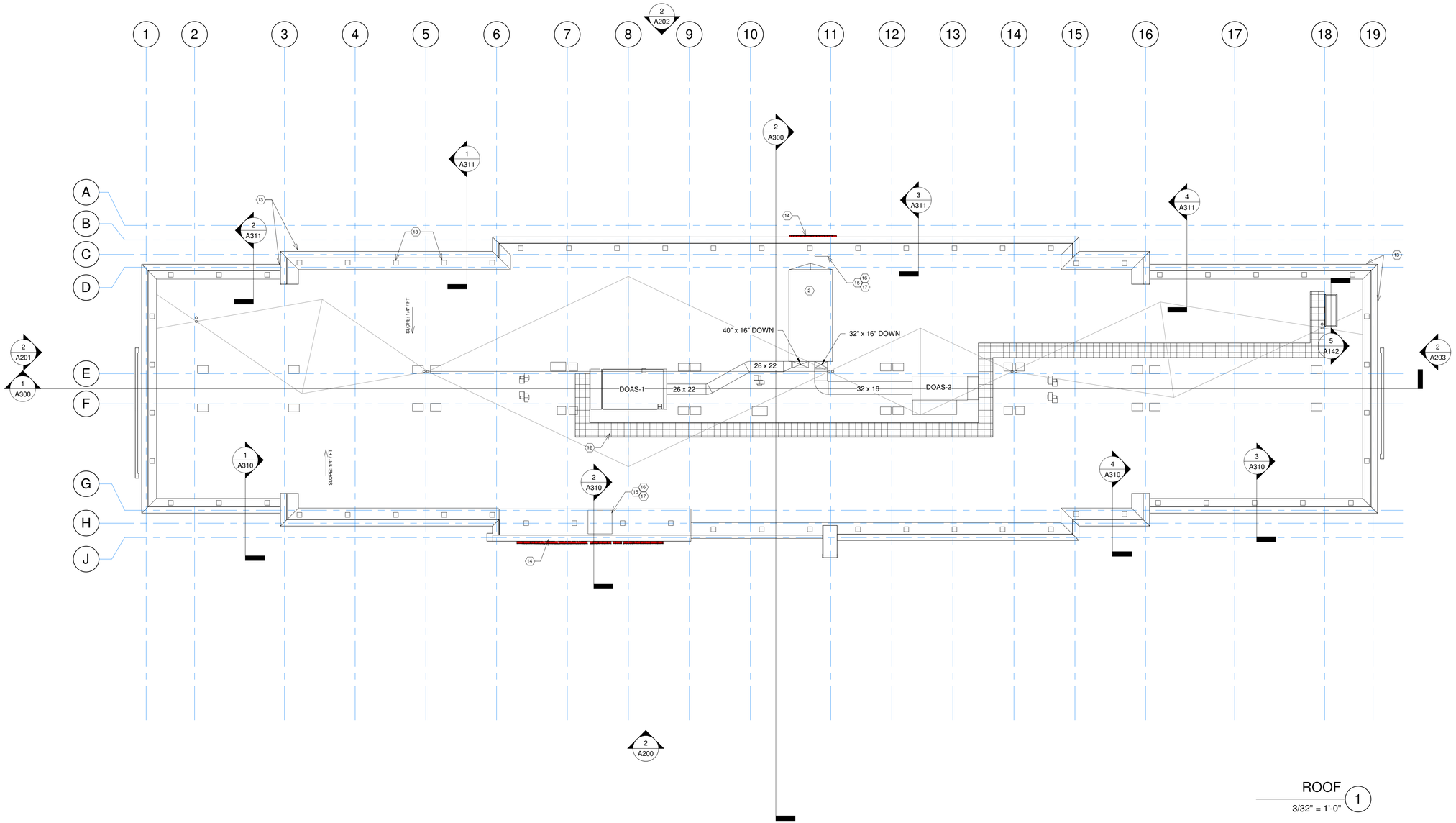
Revision	Date	Description

drawn by: KKJ
checked by: FTM
project no: 25-104

FOURTH FLOOR RCP (A)&(B)

A143

9/18/2026 10:23:59 AM



ROOF

3/32" = 1'-0" (1)

ROOF NOTES

1. LOWER LEVEL ROOF @ LOWER FLOOR, SLOPE TO DOWNSPOUT / OVERFLOW SCUPPER.
2. ELEVATOR OVER RUN ENCLOSURE - SLPOE TO ROOF DRAIN @ 1/2":12"
3. SOUND / VIBRATION ISOLATION BASE FOR RTC UNITS SEE DETAIL ?/A???
4. ROOF TOP ACCESS HATCH AND ACCESS HATCH CURB
5. MAU OUTDOOR AIR UNIT W/ SOUND BATT EQUIPMENT CURB AND DUCTING FOR RETURN AIR
6. LINEN CHUTE VENT CAP
7. ROOF DRAIN SEE DETAIL ?/A??? ROOF DRAIN TO TIE INTO SEWER / STORM WATER SYSTEM PER DESIGN & CONSTRUCTION STANDARDS
8. PREFINISHED ALUMINUM FRAMED ROOF SHADE CANOPY, SEE A??? FOR DETAILS
9. PORTE-COCHERE ROOF BELOW
10. DECORATIVE EXTENSION OF PARAPET FROM ADJACENT WALL
11. DOWNSPOUT AND OVERFLOW SCUPPER. DOWNSPOUT TO TIE INTO SEWER / STORM WATER SYSTEM PER DESIGN & CONSTRUCTION STANDARDS
12. EQUIPMENT ACCESS WALKWAY. PROVIDE MANUFACTURER STANDARD ACCESSORY PRODUCT AS REQUIRED TO MAINTAIN WARRANTY
13. REFER TO BUILDING ELEVATIONS AND SECTIONS FOR PARAPET HEIGHTS AND FINISHES
14. PROVIDE 3/4" EXT PLYWOOD BACKING @ SIGNAGE - VERIFY
15. SIGNAGE - PROVIDE ACCESS TO JB @ REAR OF PARAPET WALL
16. BUILD "DOGHOUSE" FOR SIGN ACCESS
17. PROVIDE 3/0 x 4/0 ACCESS HATCH @ REAR OF PARAPET, MAINTAIN 8"MIN ABV ROOF DECK
18. PARAPET VENTS ARE LOMANCO MODEL 750 (50 SQ.IN CLR VENT AREA)

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by:

checked by:
FTM

project no:
25-104

ROOF PLAN

A150

9/18/2026 10:24:03 AM

FRONT ELEVATION - COLOR 2

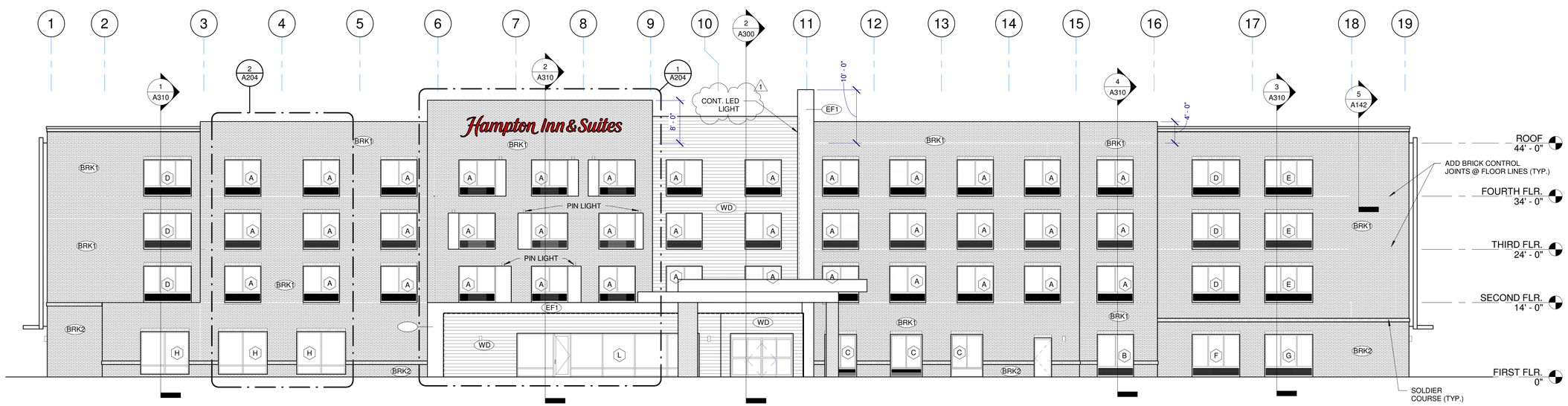
1" = 10'-0"

EXTERIOR FINISH LEGEND

	EF1	EIFS COLOR 1		BRK2	BRICK COLOR
	WD	MEG Abet Laminati (Asheville Cherry #1334-AA)		EF2	EIFS COLOR 2
	BRK1	BRICK COLOR			

NOTE: ALL GLAZING TO BE METAL FRAME WITH THERMAL BREAK:
DOUBLE PAN, CLEAR, SHGC 0.25 WITH U-FACTOR 0.45 (MIN.),
FRAMES TO BE CELAR ANNODIZED ALUMINUM.

NOTE: BRICK MASON TO ADD HORIZONTAL CONTROL JOINTS AT FLOOR LINES AND VERTICAL AS NEEDED VERIFY VERTICAL LOCATIONS w/ ARCHITECT TO CONFIRM AESTHETIC IMPACT



FRONT ELEVATION 1

1" = 10'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
1	04.16.26	HILTON COMMENTS

drawn by: KKJ

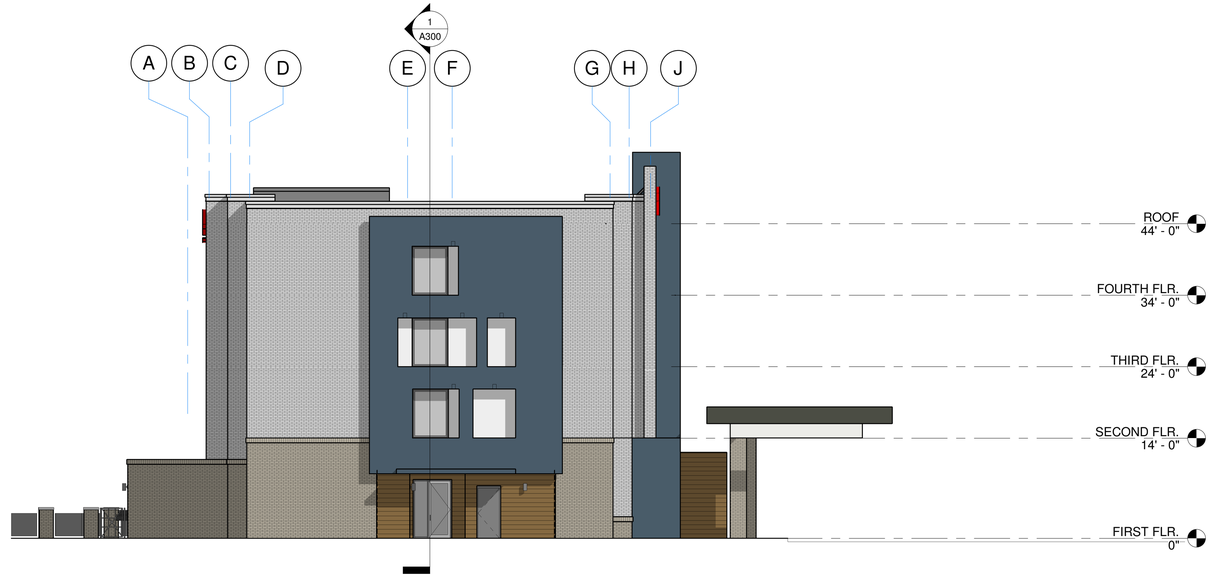
checked by: FTM

project no: 25-104

BUILDING ELEVATIONS

A200

9/18/2026 10:24:48 AM



LEFT ELEVATION - COLOR 2

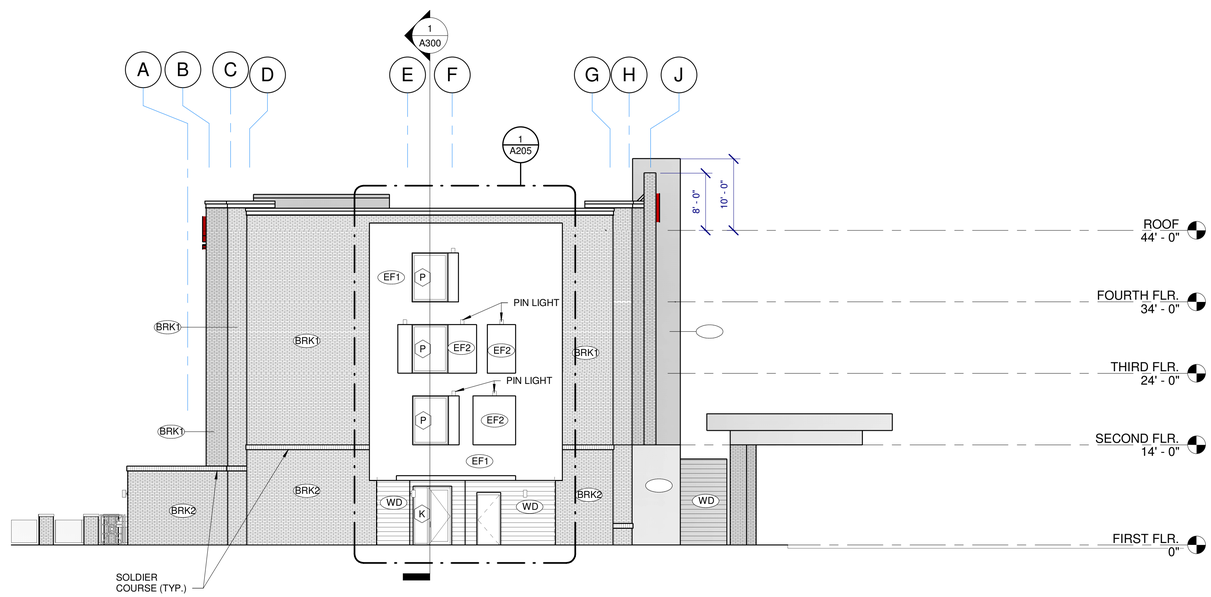
1" = 10'-0"

EXTERIOR FINISH LEGEND

	EF1	EIFS COLOR 1		BRK2	BRICK COLOR
	WD	MEG Abet Laminati (Asheville Cherry #1334-AA)		EF2	EIFS COLOR 2
	BRK1	BRICK COLOR			

NOTE: ALL GLAZING TO BE METAL FRAME WITH THERMAL BREAK:
DOUBLE PAN, CLEAR, SHGC 0.25 WITH U-FACTOR 0.45 (MIN.),
FRAMES TO BE CELAR ANNODIZED ALUMINUM.

NOTE: BRICK MASON TO ADD HORIZONTAL CONTROL
JOINTS AT FLOOR LINES AND VERTICAL AS NEEDED
VERIFY VERTICAL LOCATIONS w/ ARCHITECT TO CONFIRM
AESTHETIC IMPACT



LEFT ELEVATION 1

1" = 10'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: KKJ

checked by: FTM

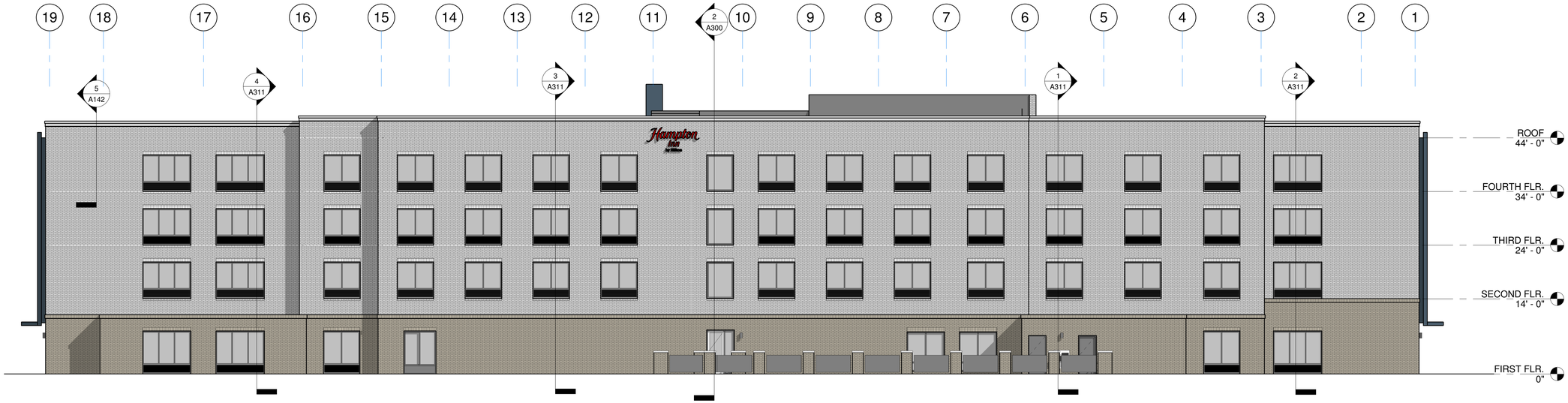
project no: 25-104

BUILDING ELEVATIONS

A201

9/18/2026 10:25:18 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



REAR ELEVATION - COLOR (2)

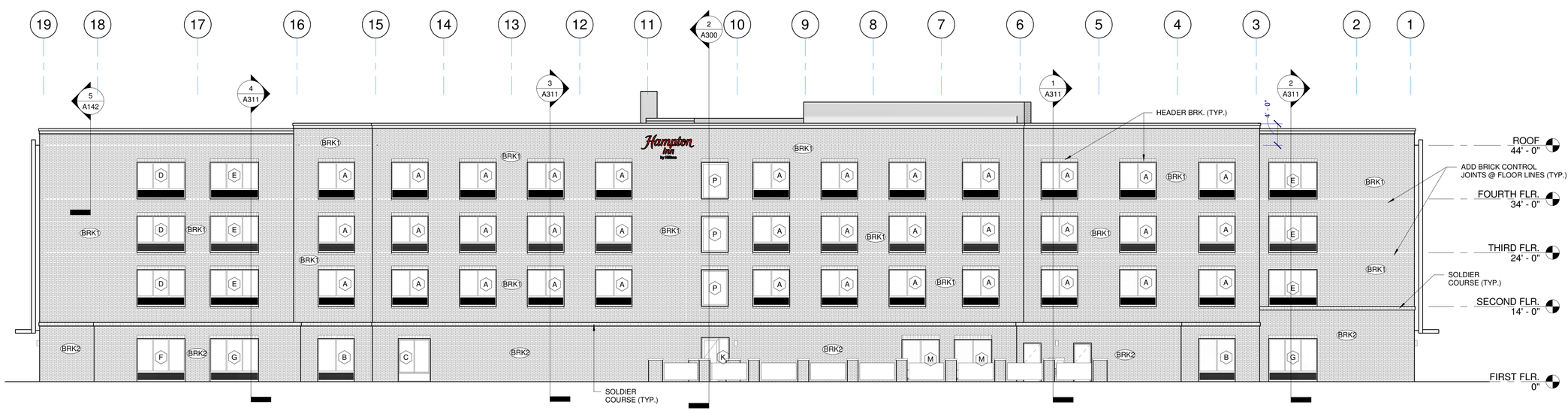
1" = 10'-0"

EXTERIOR FINISH LEGEND

	EF1	EIFS COLOR 1		BRK2	BRICK COLOR
	WD	MEG Abet Laminati (Asheville Cherry #1334-AA)		EF2	EIFS COLOR 2
	BRK1	BRICK COLOR			

NOTE: ALL GLAZING TO BE METAL FRAME WITH THERMAL BREAK: DOUBLE PAN, CLEAR, SHGC 0.25 WITH U-FACTOR 0.45 (MIN.), FRAMES TO BE CELAR ANNODIZED ALUMINUM.

NOTE: BRICK MASON TO ADD HORIZONTAL CONTROL JOINTS AT FLOOR LINES AND VERTICAL AS NEEDED VERIFY VERTICAL LOCATIONS w/ ARCHITECT TO CONFIRM AESTHETIC IMPACT



REAR ELEVATION (1)

1" = 10'-0"

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: KKJ

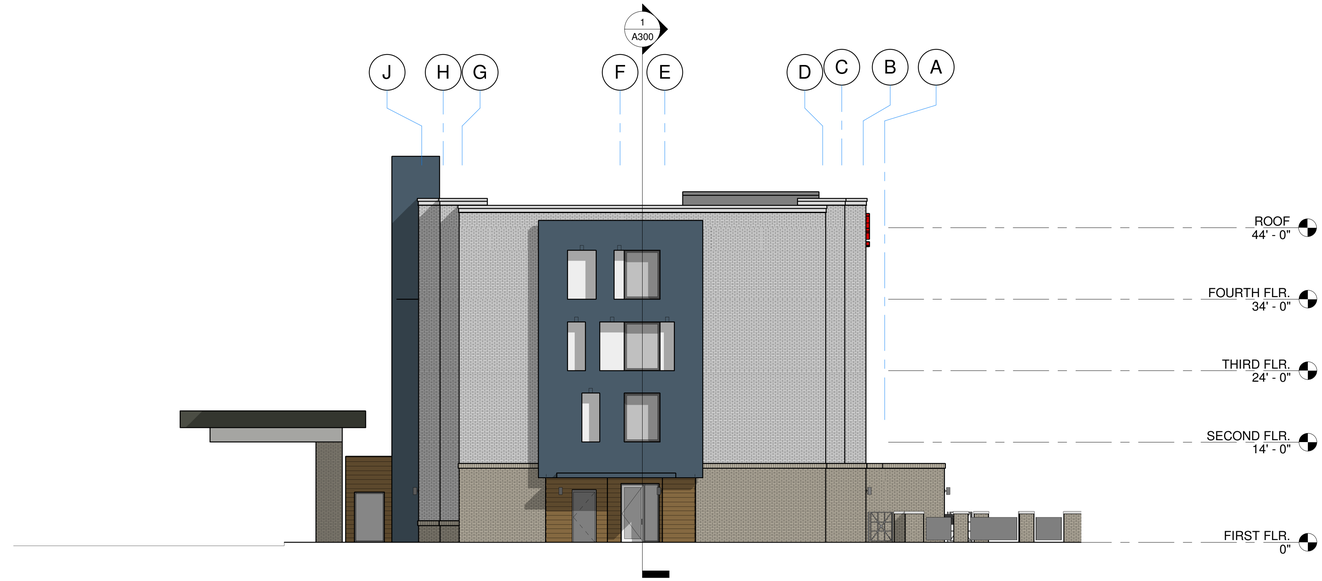
checked by: FTM

project no: 25-104

BUILDING ELEVATIONS

A202

9/18/2026 10:26:02 AM



RIGHT ELEVATION - COLOR (2)

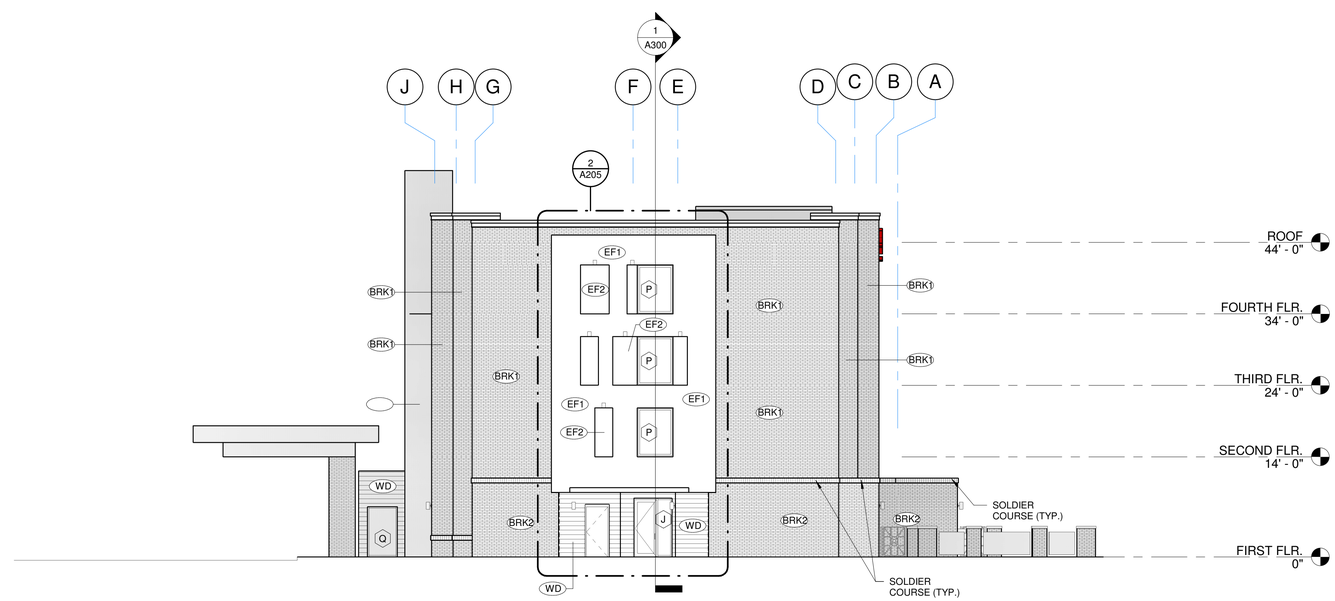
1" = 10'-0"

EXTERIOR FINISH LEGEND

	EF1	EIFS COLOR 1		BRK2	BRICK COLOR
	WD	MEG Abet Laminati (Asheville Cherry #1334-AA)		EF2	EIFS COLOR 2
	BRK1	BRICK COLOR			

NOTE: ALL GLAZING TO BE METAL FRAME WITH THERMAL BREAK:
DOUBLE PAN, CLEAR, SHGC 0.25 WITH U-FACTOR 0.45 (MIN.),
FRAMES TO BE CELAR ANNODIZED ALUMINUM.

NOTE: BRICK MASON TO ADD HORIZONTAL CONTROL
JOINTS AT FLOOR LINES AND VERTICAL AS NEEDED
VERIFY VERTICAL LOCATIONS w/ ARCHITECT TO CONFIRM
AESTHETIC IMPACT



RIGHT ELEVATION (1)

1" = 10'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: KKJ

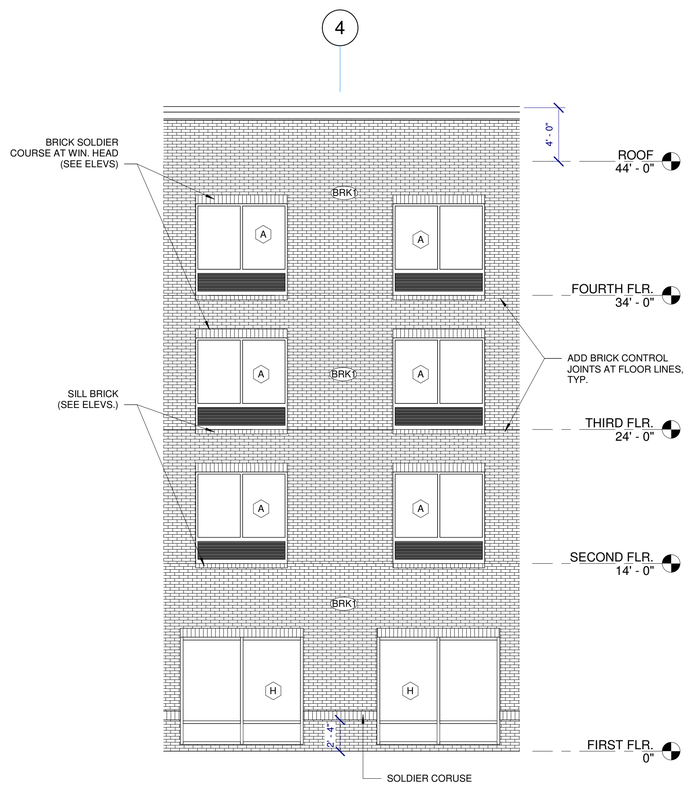
checked by: FTM

project no: 25-104

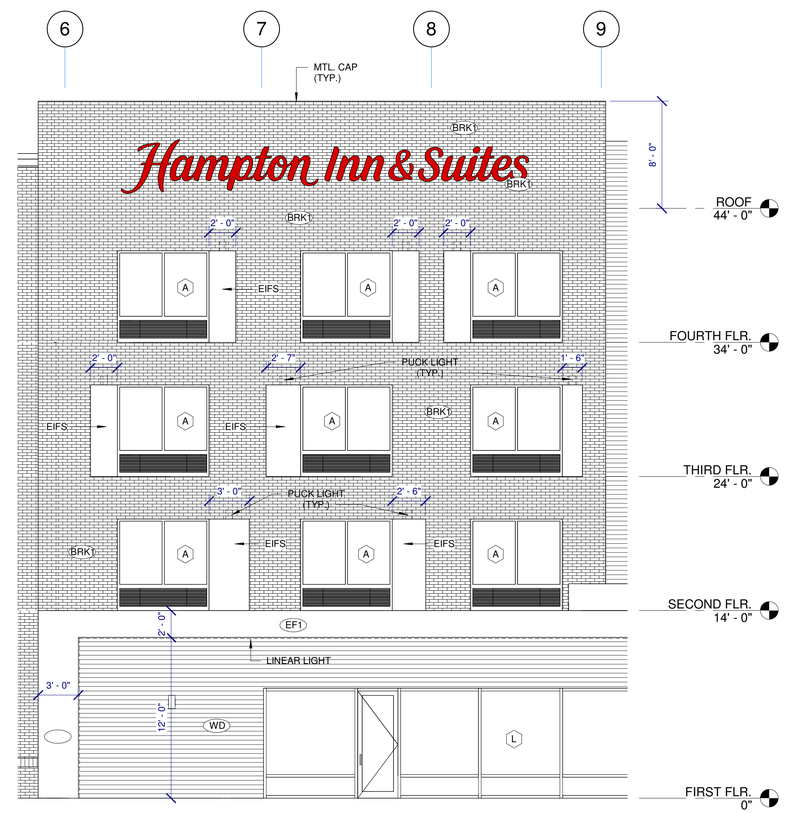
BUILDING ELEVATIONS

A203

9/18/2026 10:26:31 AM



WINDOW BRICK FEATURE ELEVATION 2
3/16" = 1'-0"



FRONT WALL FEATURE ELEVATION 1
3/16" = 1'-0"

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

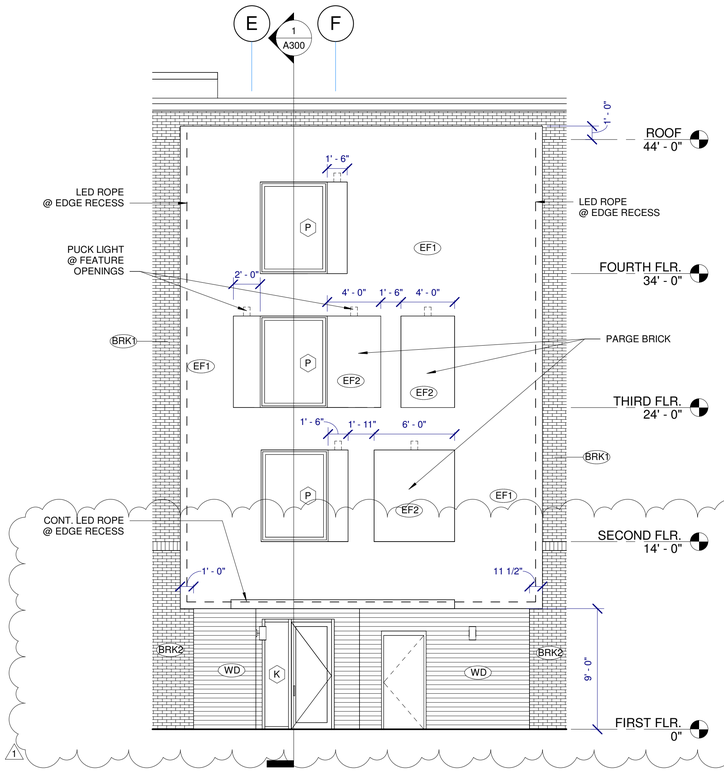
Revision	Date	Description

drawn by: KKJ
checked by: FTM
project no: 25-104

ENLARGED EXTERIOR ELEVATIONS

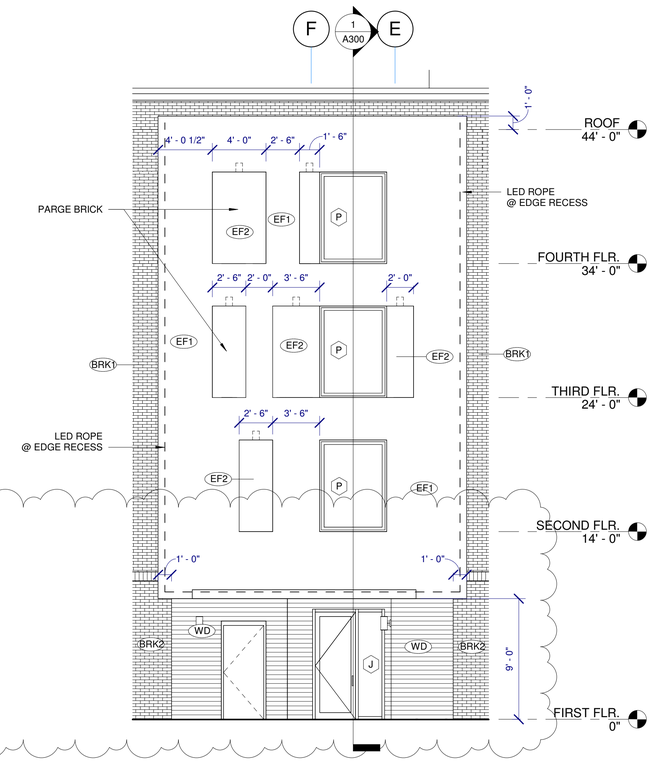
A204

9/18/2026 10:28:37 AM



WEST SIDE WALL FEATURE ELEVATION 1

3/16" = 1'-0"



EAST SIDE WALL FEATURE ELEVATION 2

3/16" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
1	04.16.26	HILTON COMMENTS

drawn by:
Author

checked by:
Checker

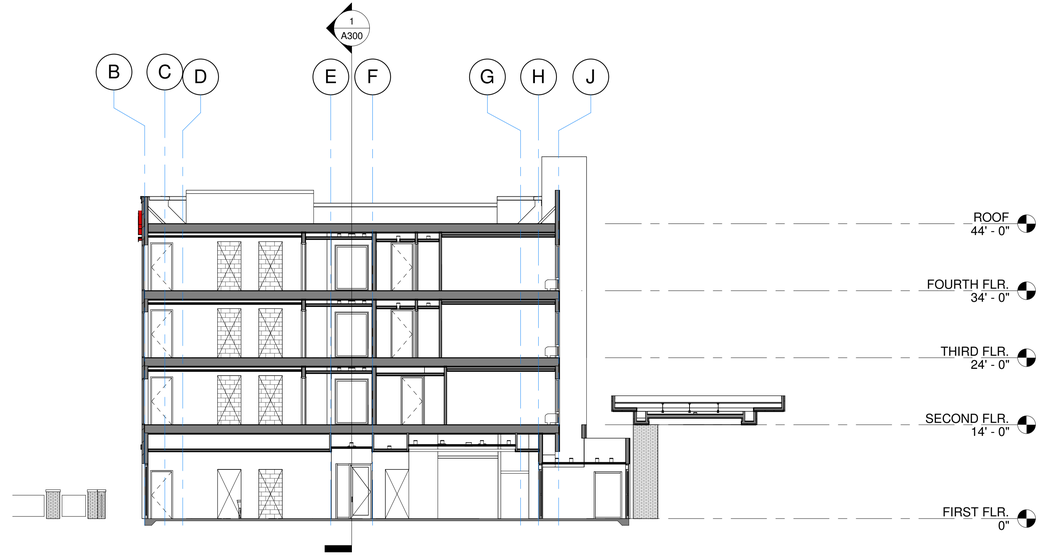
project no:
25-104

ENLARGED EXTERIOR ELEVATIONS

A205

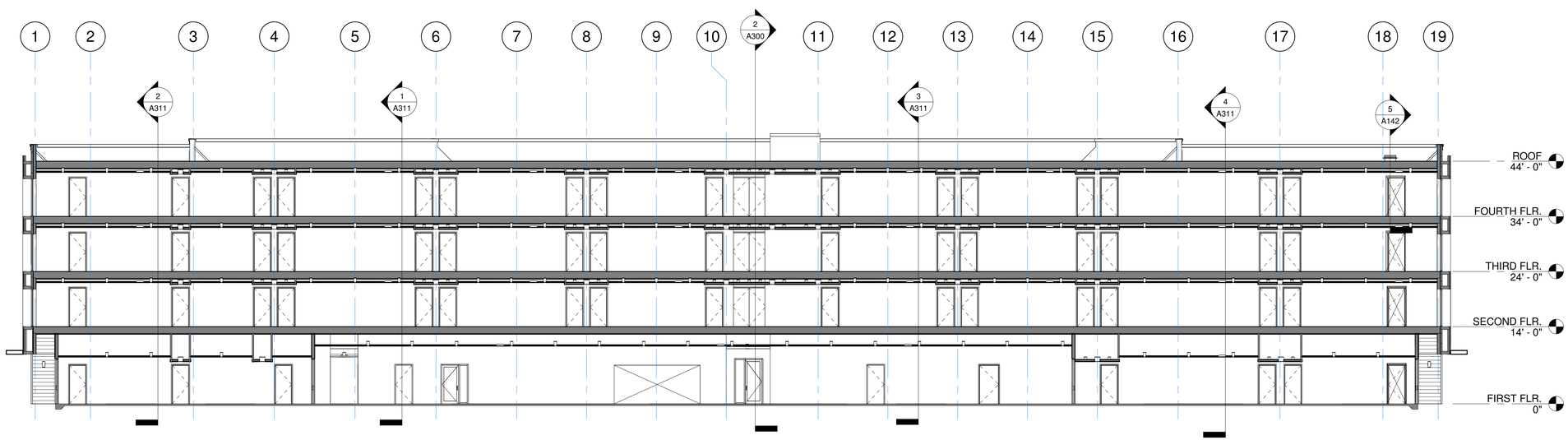
9/18/2026 10:26:47 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



CROSS SECTION 2

3/32" = 1'-0"



LONGITUDINAL SECTION 1

3/32" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by:
KKJ

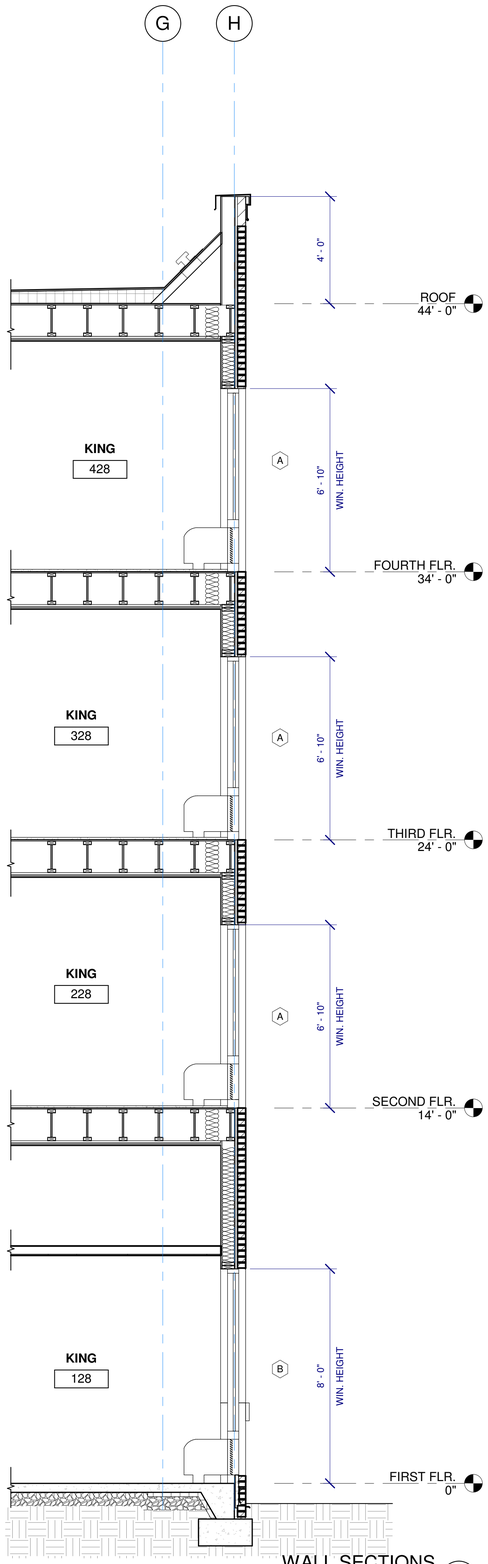
checked by:
FTM

project no:
25-104

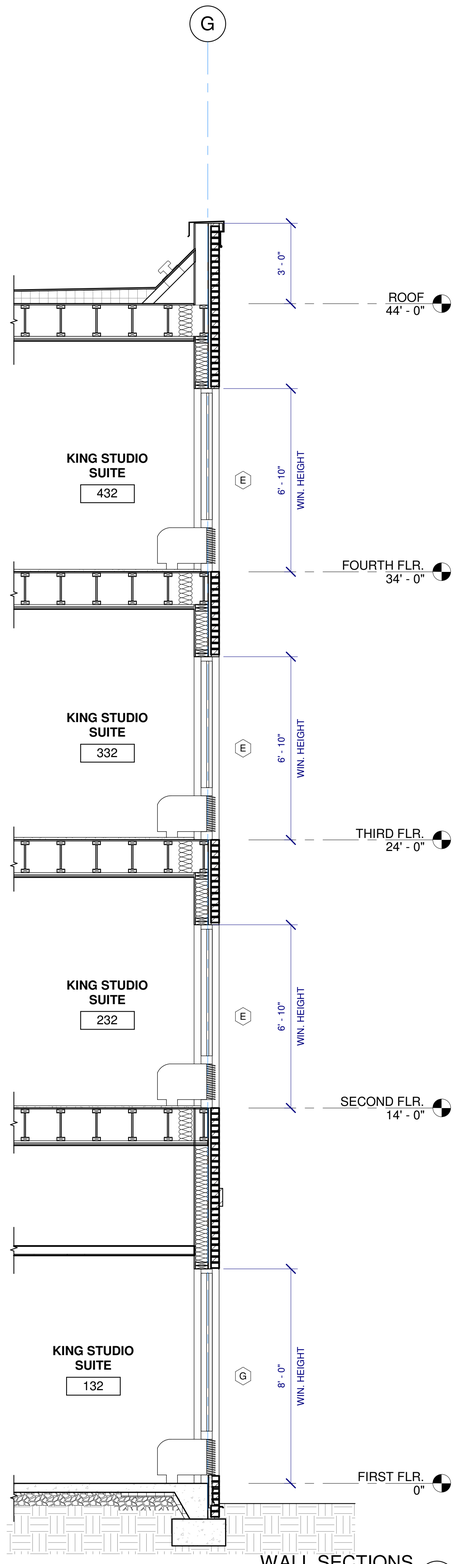
BUILDING SECTIONS

A300

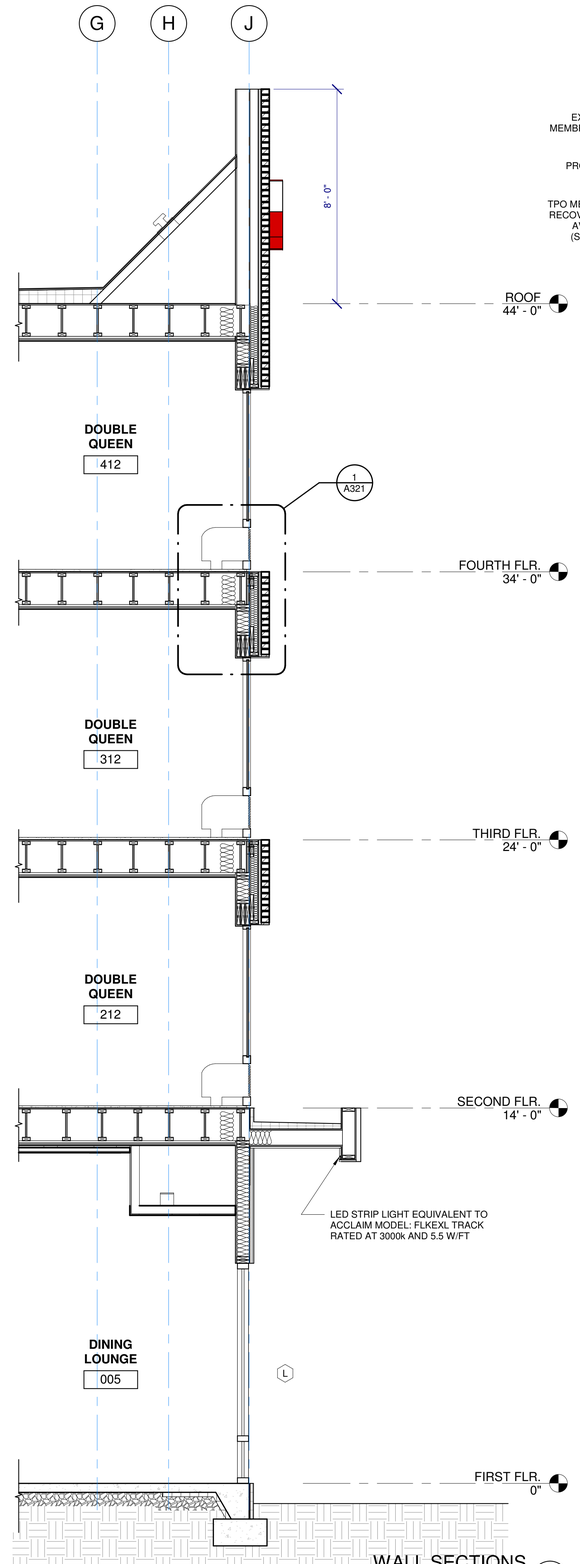
9/18/2026 10:26:56 AM



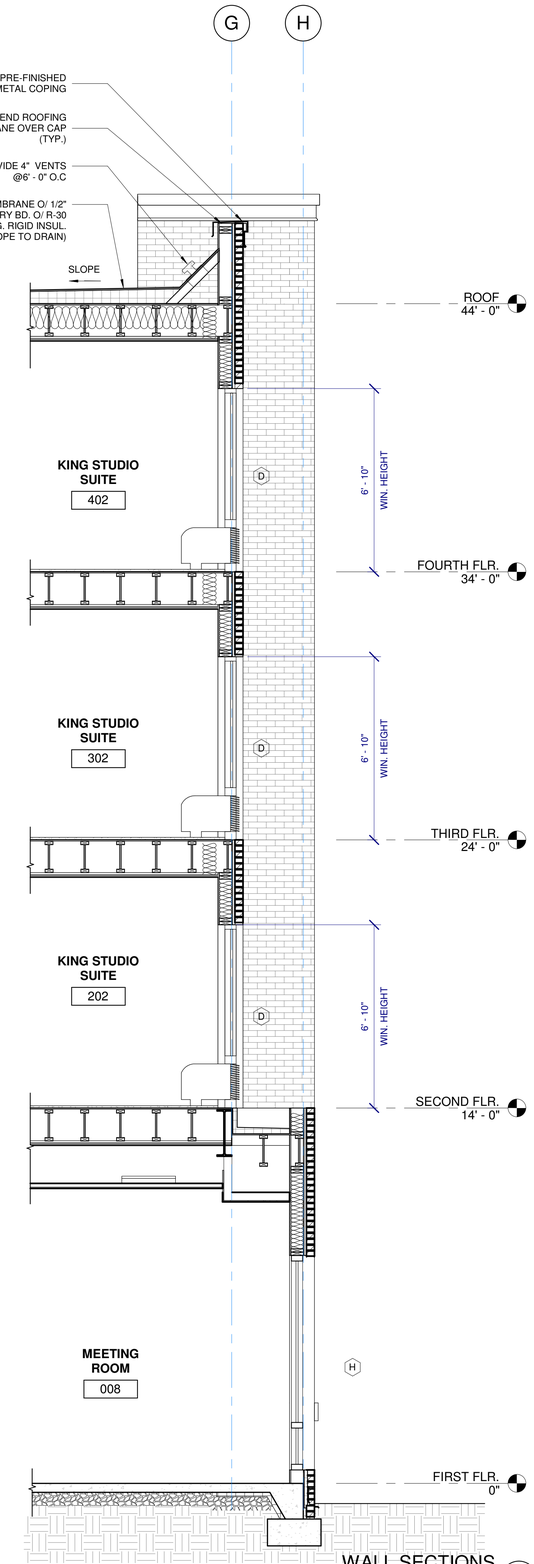
WALL SECTIONS 4
3/8" = 1'-0"



WALL SECTIONS 3
3/8" = 1'-0"



WALL SECTIONS 2
3/8" = 1'-0"



WALL SECTIONS 1
3/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

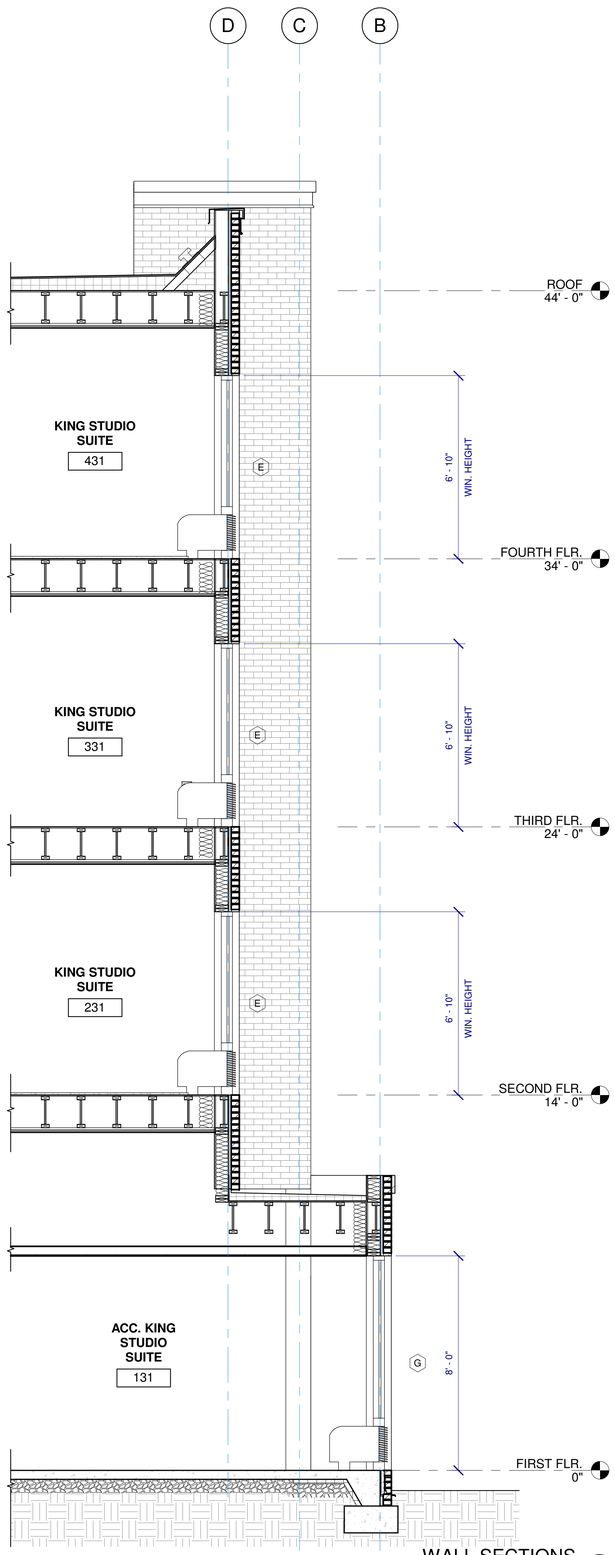
drawn by:
KKJ
checked by:
FTM
project no:
25-104

WALL SECTIONS

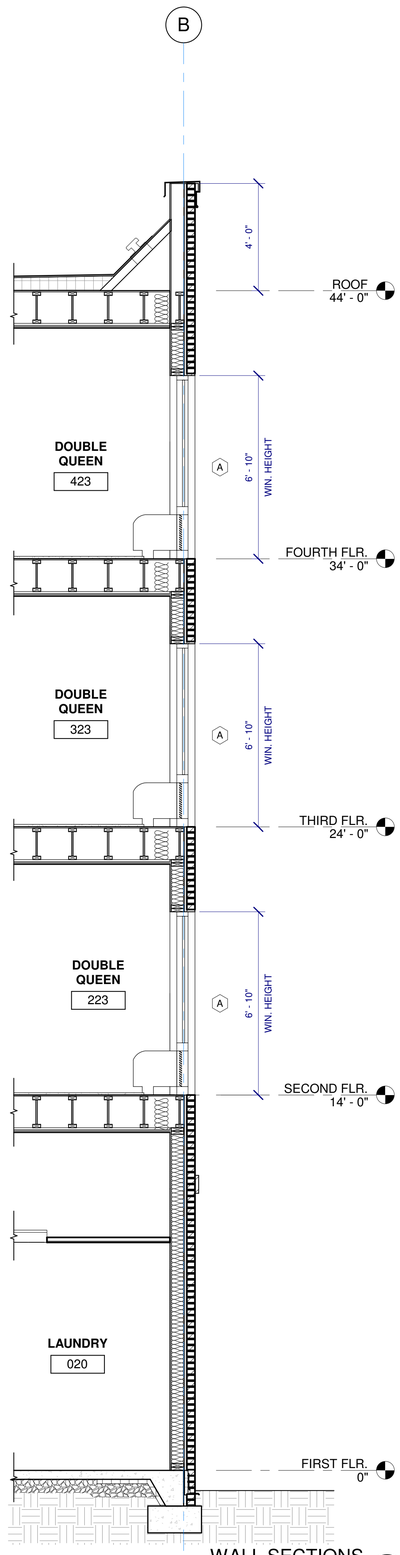
A310

9/18/2026 10:27:01 AM

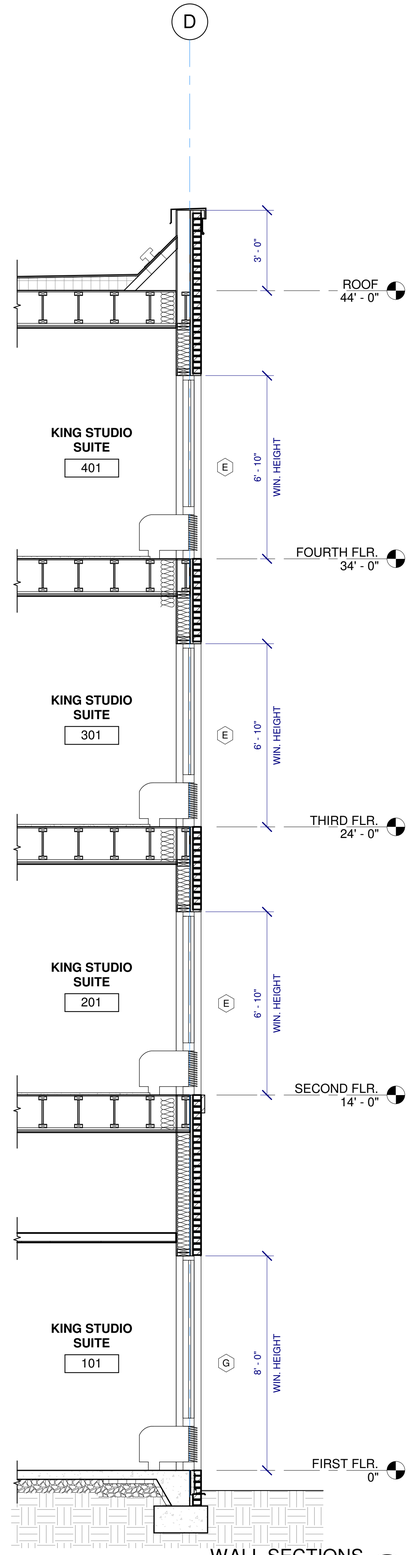
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



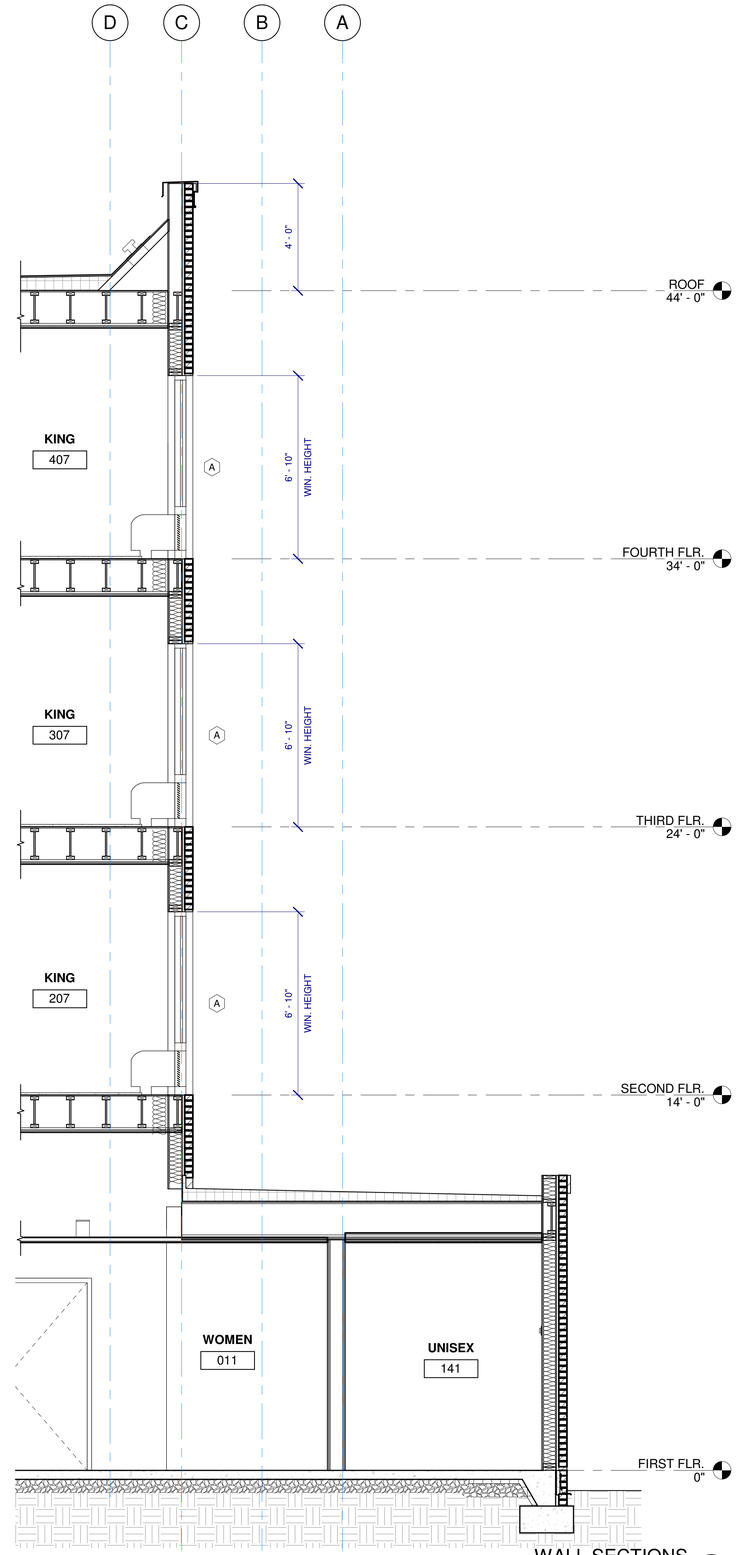
WALL SECTIONS 4
3/8" = 1'-0"



WALL SECTIONS 3
3/8" = 1'-0"



WALL SECTIONS 2
3/8" = 1'-0"



WALL SECTIONS 1
3/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

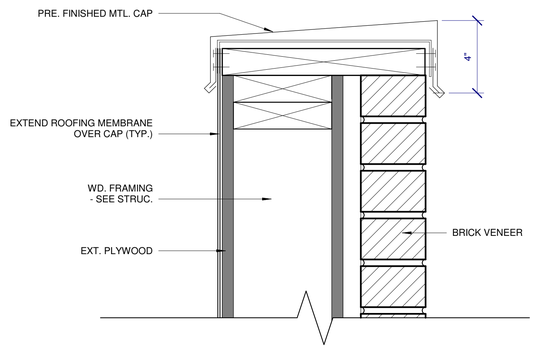
drawn by: KKJ
checked by: FTM
project no: 25-104

WALL SECTIONS

A311

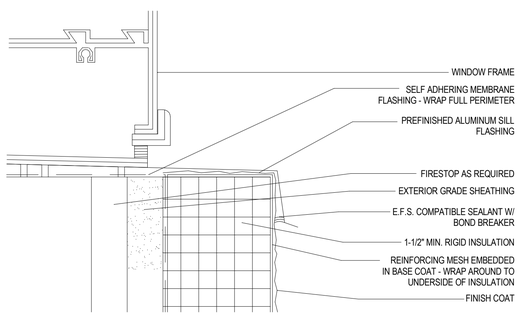
9/18/2026 10:27:06 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



WALL CAP DETAIL 3

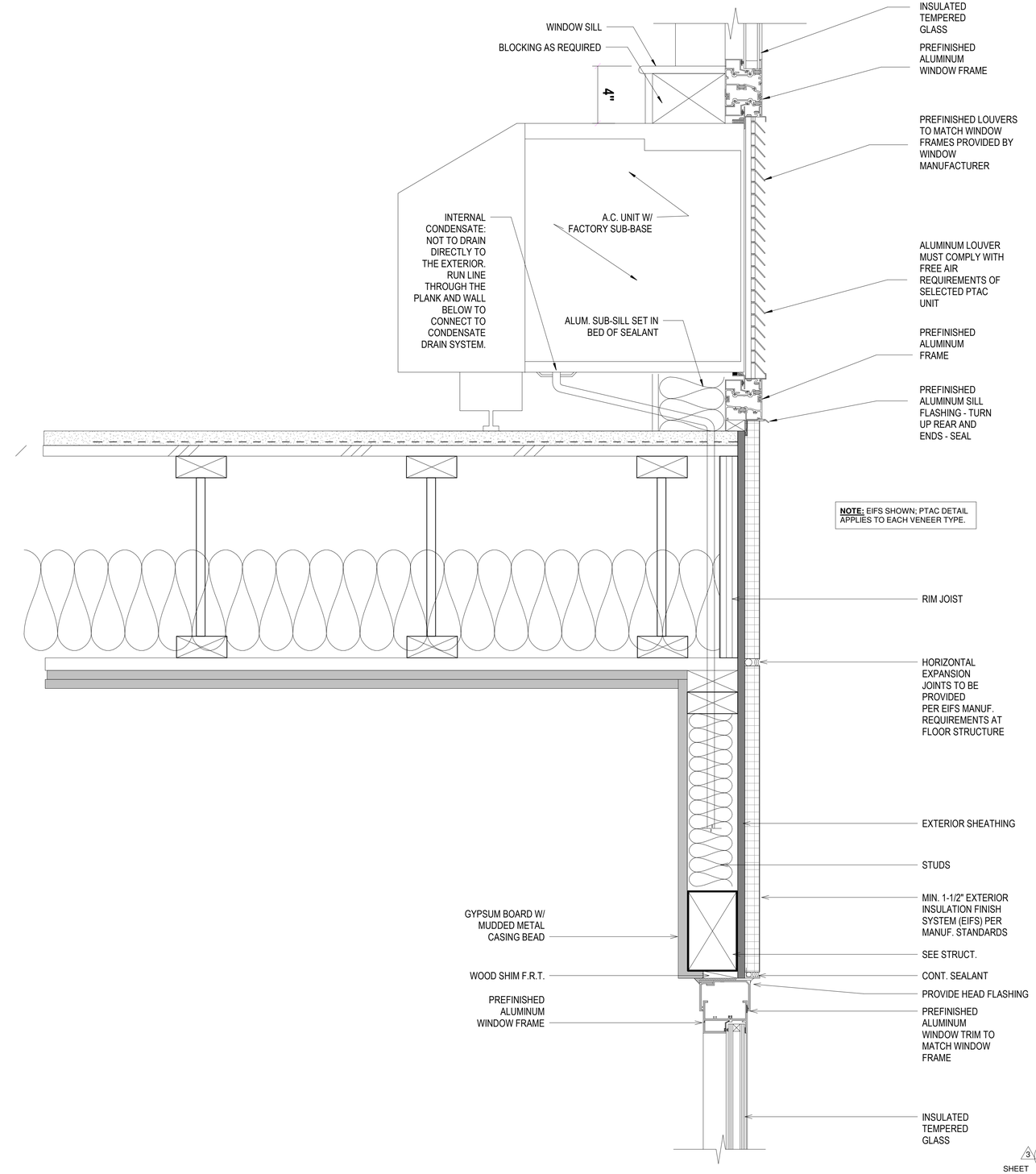
3" = 1'-0"



VERIFY APPLICABLE SUBSTRATES, SEALANTS, ADJACENT CONDITIONS AND ALL ELSE, NECESSARY TO MAINTAIN THE WARRANTY, TO BE COMPATIBLE AND APPROVED BY THE EIFS MANUFACTURER STANDARD REQUIREMENTS.

SILL DETAIL 2

N.T.S.



NOTE: EIFS SHOWN; PTAC DETAIL APPLIES TO EACH VENEER TYPE.

PTAC DETAIL 1

3" = 1'-0"

3

SHEET REVISED

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
3	09.16.26	CLARIFICATIONS

drawn by: Author

checked by: Checker

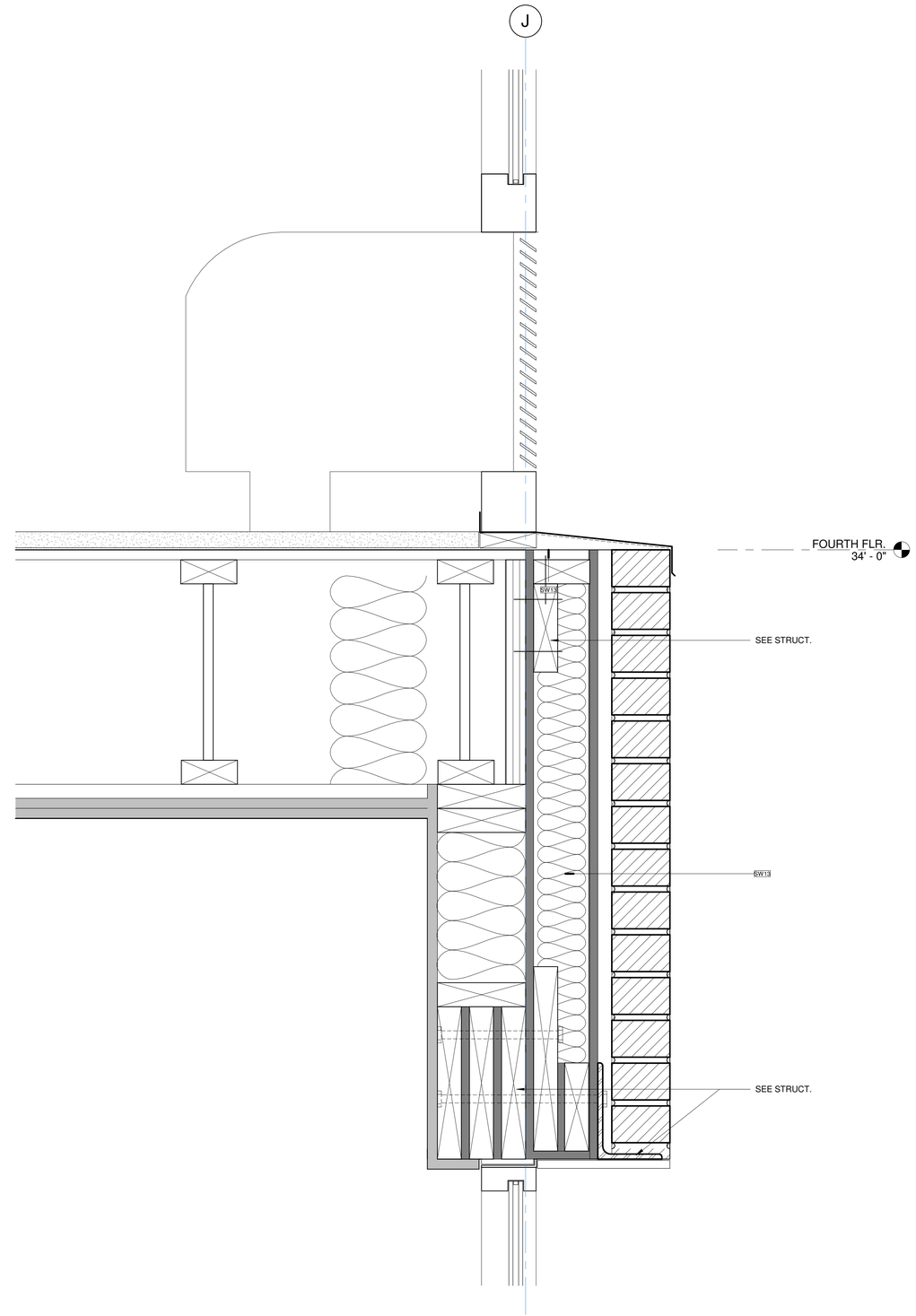
project no: 25-104

SECTION DETAILS

A320

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

9/18/2026 10:27:09 AM



DOUBLE WALL DETAIL 1

3" = 1'-0"

3
SHEET ADDED

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
3	09.16.26	CLARIFICATIONS

drawn by:
Author

checked by:
Checker

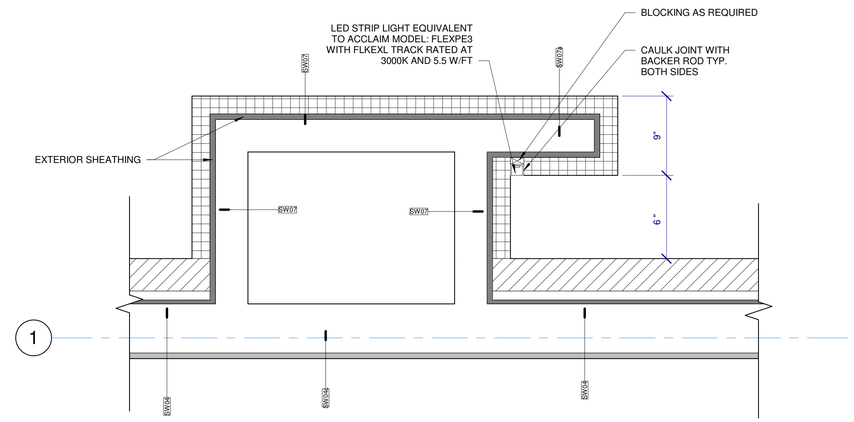
project no:
25-104

SECTION DETAILS

A321

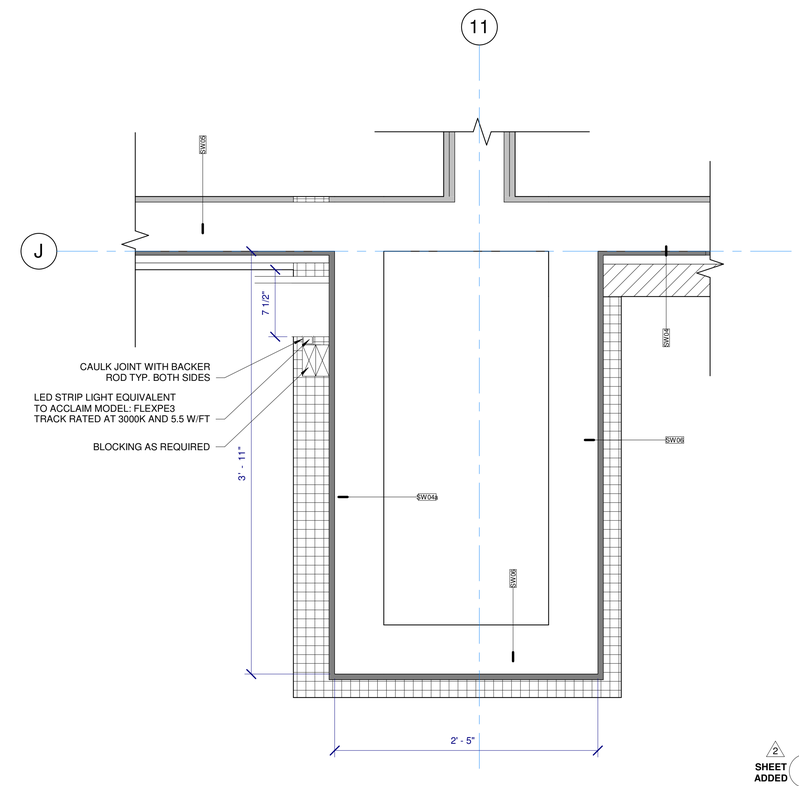
9/18/2026 10:27:09 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



LED LIGHT STRIP DETAIL 2 (2)

1 1/2" = 1'-0"



LED LIGHT STRIP DETAIL 1 (1)

1 1/2" = 1'-0"

2
SHEET ADDED

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
2	07.20.26	COORDINATION

drawn by: KKJ

checked by: FTM

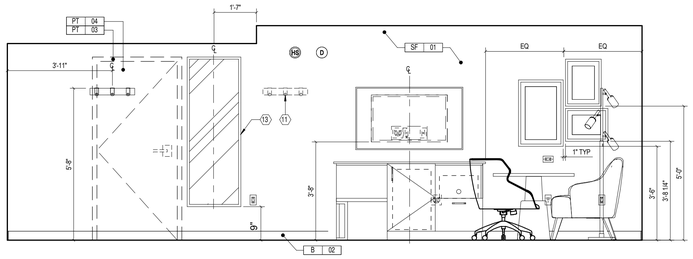
project no: 25-104

LIGHT COVE DETAILS

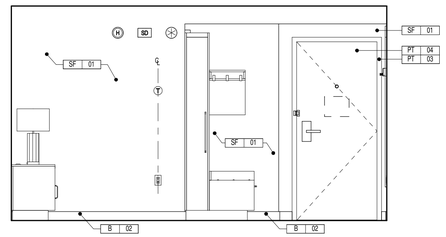
A330

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

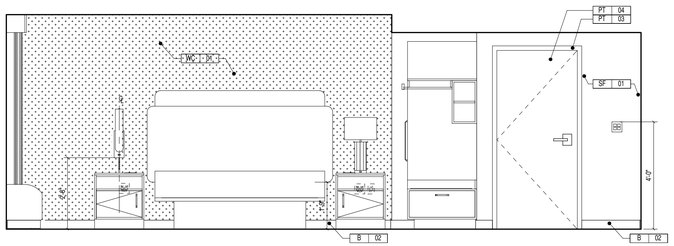
9/18/2026 10:27:12 AM



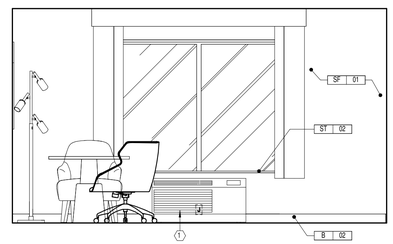
KING - TV WALL ELEVATION (D)
3/8" = 1'-0"



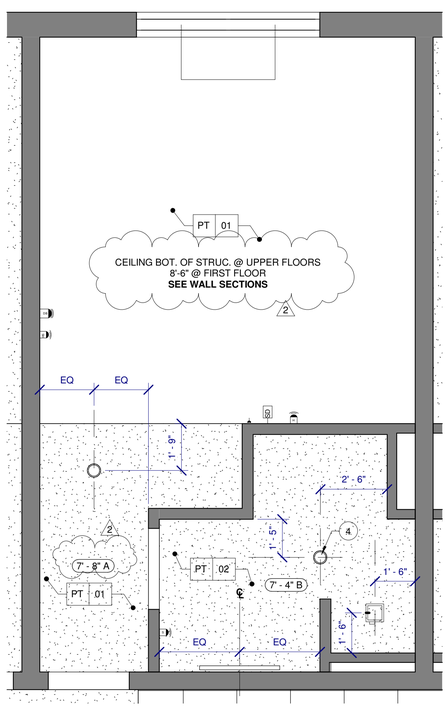
KING - BATH WALL ELEVATION (C)
3/8" = 1'-0"



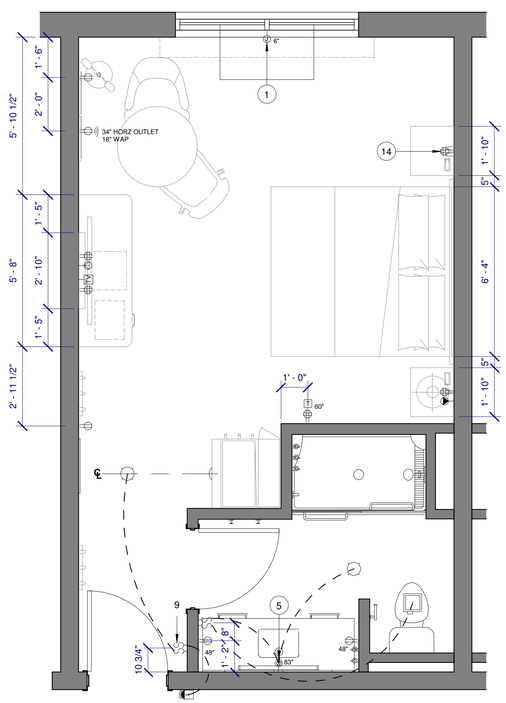
KING - BED WALL ELEVATION (B)
3/8" = 1'-0"



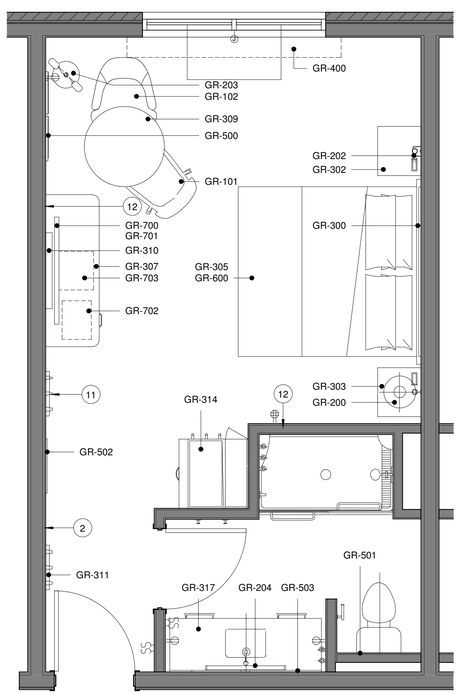
KING - WINDOW WALL ELEVATION (A)
3/8" = 1'-0"



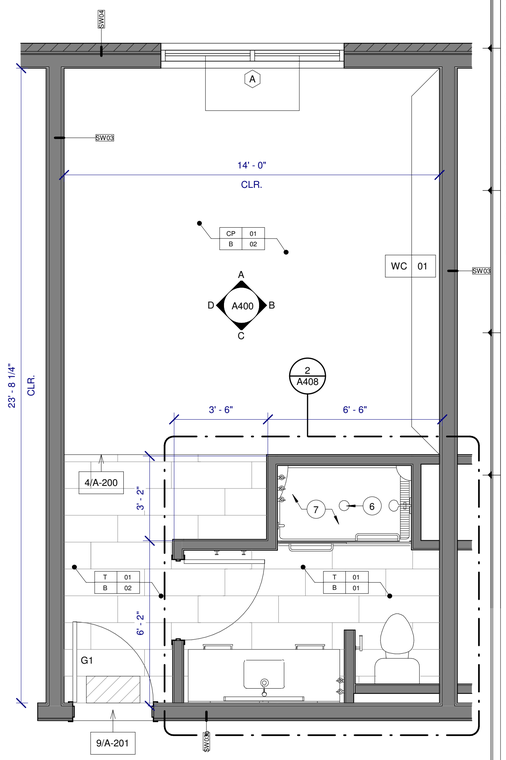
KING - RCP (4)
3/8" = 1'-0"



KING - ELEC (3)
3/8" = 1'-0"



KING - FURN (2)
3/8" = 1'-0"



KING - ARCH (1)
3/8" = 1'-0"

ELECTRICAL LEGEND AND SYMBOLS:

PLAN	ELEV.	
		DUPLEX RECEPTACLE
	GFCI	DUPLEX RECEPTACLE W/ GFCI
		QUADPLEX RECEPTACLE
	GFCI	QUADPLEX RECEPTACLE W/ GFCI
TV	TV	TV/CABLE OUTLET
		TELEPHONE OUTLET
	CAT6	CAT6 RJ45 INTERNET SOCKET
S		SWITCH
T	T	WALL MOUNTED WIRELESS THERMOSTAT
J	J	WALL MOUNTED JUNCTION BOX
		EXHAUST FAN
		WALL MOUNTED WIRELESS ACCESS POINT PROVIDE 6" CLEARANCE TO ALL OTHER OUTLETS.
HS	HS	FIRE HORNS/STROBE (IN C.F. ROOMS ONLY, OMIT FIRE HORNS WHEN THESE ARE USED)
S	S	STROBE (IN C.F. ROOMS ONLY)
DB	D	DOORBELL LIGHT, (C.F. ROOMS ONLY)
H	H	FIRE HORN, STANDARD ROOMS
SD	SD	SMOKE DETECTOR
		SIDE WALL SPRINKLER HEAD
USB	USB	POWER OUTLET (DUPLEX WITH (2) QTY USB PORTS)
		DOORBELL-MOUNT AT 46" AFF TO CENTER OF BUTTON (C.F. ROOMS ONLY)

ELECTRICAL OUTLET HEIGHTS (U.N.O.)

TYPICAL WALL OUTLET	-	18" A.F.F.
BATHROOM VANITY OUTLET	-	48" A.F.F.
ACC. BATHROOM VANITY OUTLET	-	44" A.F.F.

KEYNOTES:

1. HARDWIRED PACKAGED TERMINAL AIR CONDITIONER (PTAC) UNIT
2. COMMUNICATING DOOR LOCATION WHEN USED.
3. EXTENDED WALL STOPS AT DOOR LOCATIONS AS NEEDED.
4. LIGHTS IN THIS AREA MUST BE DAMP LOCATION RATED AND W/ SHATTERPROOF LENSES.
5. WALL MOUNTED VANITY LIGHT - PROVIDE JUNCTION BOX, COORDINATED WITH FIXTURE.
6. SHOWER/BATH DRAIN LOCATION.
7. NO FINISHES UNDER SHOWER PAN/TUB.
8. PROVIDE DEDICATED ELECTRICAL CIRCUIT FOR EACH UNDERCOUNTER APPLIANCE.
9. DOORBELL ON/OFF SWITCH FOR COMMUNICATION FEATURE ROOMS ONLY - SIGNAGE AS REQUIRED.
10. DASHED BOXES AND CIRCLES REPRESENT ACCESSIBLE CLEAR FLOOR AREAS. REFER TO ACCESSIBILITY STANDARDS FOR MORE INFORMATION.
11. REFER TO ALTERNATE LOCATION FOR THE WALL HOOKS WHEN CONNECTING DOOR IS PRESENT.
12. PROVIDE BLOCKING AT WALLS WHERE INDICATED FOR TOILET ACCESSORIES AND FF&E.
13. MOVE MIRROR 6" AWAY WHEN CONNECTING DOOR IS PRESENT.
14. ALL OUTLETS MUST BE LOCATED DIRECTLY BEHIND THE FURNITURE. SHIFT OUTLETS ONLY AS NEEDED TO AVOID BACK-TO-BACK OUTLETS WITH THE ADJACENT ROOM. DO NOT SHIFT OUTLETS BEYOND THE EDGE OF THE FURNITURE
15. PROVIDE SWITCHES FOR OPTIONAL MOTORIZED DRAPERY IF USED IN ACCESSIBLE ROOMS

GUESTROOM FURNISHING LEGEND:

GR-100	SLEEPER SOFA
GR-101	TASK CHAIR
GR-102	LOUNGE CHAIR
GR-103	SIDE CHAIR
GR-200	KING TABLE LAMP
GR-201	QUEEN HEADBOARD SCONCE
GR-202	KING HEADBOARD SCONCE
GR-203	FLOOR LAMP
GR-204	VANITY LIGHT
GR-205	STUDIO SUITE TASK LAMP
GR-300	KING HEADBOARD
GR-301	QUEEN HEADBOARD
GR-302	KING LEFT-HAND NIGHTSTAND
GR-303	KING RIGHT-HAND NIGHTSTAND
GR-304	QUEEN NIGHTSTAND
GR-305	KING PLATFORM BED BASE
GR-306	QUEEN PLATFORM BED BASE
GR-307	HOSPITALITY UNIT
GR-308	STUDIO SUITE HOSPITALITY UNIT
GR-308.ADA	ACCESSIBLE STUDIO SUITE HOSPITALITY UNIT
GR-309	HAMPTON TABLE
GR-309.ADA	ACCESSIBLE HAMPTON TABLE
GR-310	TV PANEL
GR-311	ENTRY WALL HOOKS
GR-312	STUDIO SUITE CANTILEVERED WALL SHELF
GR-313	STUDIO SUITE C-TABLE
GR-314	CLOSET
GR-314.ADA	ACCESSIBLE CLOSET
GR-315	STUDIO SUITE CLOSET
GR-315.ADA	ACCESSIBLE STUDIO SUITE CLOSET
GR-316	58" BATHROOM VANITY
GR-316.ADA	58" ACCESSIBLE BATHROOM VANITY
GR-317	68" BATHROOM VANITY
GR-317.ADA	68" ACCESSIBLE BATHROOM VANITY
GR-400	GUESTROOM WINDOW TREATMENT
GR-400.ADA.MA	ACCESSIBLE GUESTROOM WINDOW TREATMENT - MANUAL
GR-400.ADA.MO	ACCESSIBLE GUESTROOM WINDOW TREATMENT - MOTORIZED
GR-500	BEDROOM ARTWORK
GR-501	BATH ARTWORK
GR-502	FULL LENGTH MIRROR
GR-503	VANITY MIRROR
GR-600	KING MATTRESS SET
GR-601	QUEEN MATTRESS SET
GR-602.ADA	KING BED BASE ACCESSIBLE
GR-603.ADA	QUEEN BED BASE ACCESSIBLE
GR-604.ADA	KING ACCESSIBLE BEDSKIRT
GR-605.ADA	QUEEN ACCESSIBLE BEDSKIRT
GR-700	TELEVISION @ GUESTROOM
GR-701	TELEVISION MOUNT @ GUESTROOM
GR-702	MICROWAVE @ GUESTROOM
GR-703	REFRIGERATOR @ GUESTROOM

NOTE:

REFER TO SPECIFICATIONS FOR TILE PATTERNS. ALL TILE MUST BE INSTALLED PER MANUFACTURER'S REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, INSTALLATION PATTERNS.

FINISH LEGEND:

ACT	ACOUSTIC CEILING TILE
B	WALL BASE
CP	CARPET
M	METAL
PL	PLASTIC LAMINATE
PT	PAINT
RF	RESILIENT FLOORING
SF	SPECIAL FINISH
ST	STONE
T	TILE
WC	WALL COVERING
W	WOOD FINISH
	FIRST FULL TILE

CEILING LEGEND: X'-X" Y

8'-0" B — MINIMUM CEILING HEIGHT / CEILING FINISH

A	PRIMED & PAINTED GYPSUM BOARD
B	PRIMED & PAINTED GYPSUM BOARD - MOISTURE RESISTANT
C	UNDERSIDE OF FLOOR/ROOF SYSTEM - PRIMED AND PAINTED - REFER TO STANDARDS

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

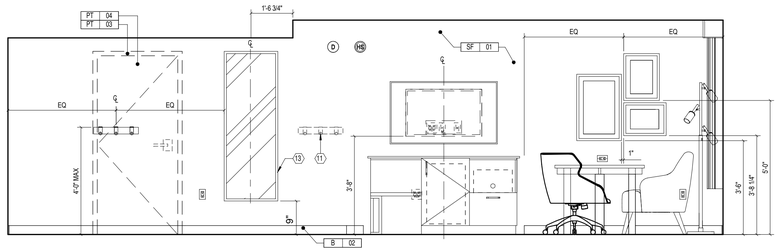
Revision	Date	Description
2	07.20.26	COORDINATION

drawn by: KKJ
checked by: FTM
project no: 25-104

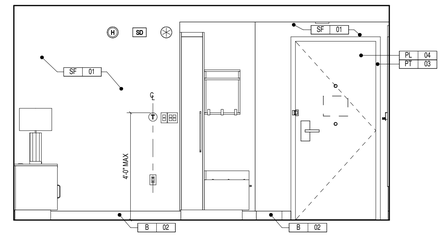
ENLARGED KING

A400

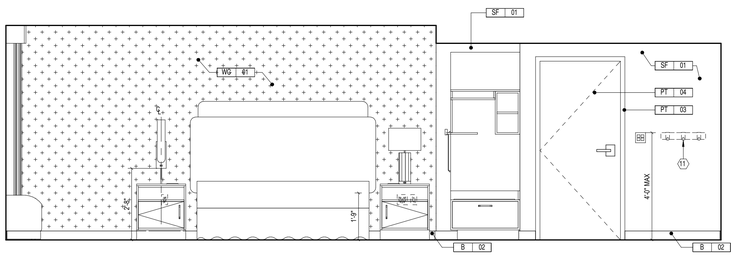
9/18/2026 10:27:16 AM



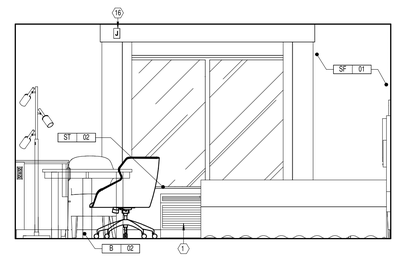
ACC KING TV WALL ELEVATION (D)
3/8" = 1'-0"



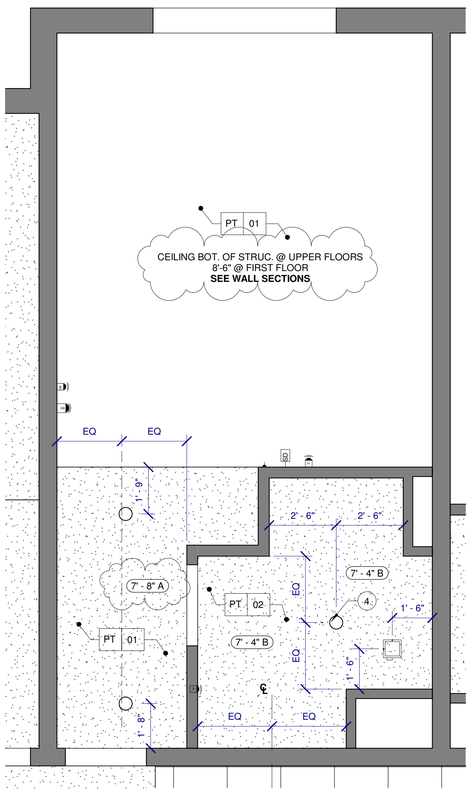
ACC KING BATH WALL ELEVATION (C)
3/8" = 1'-0"



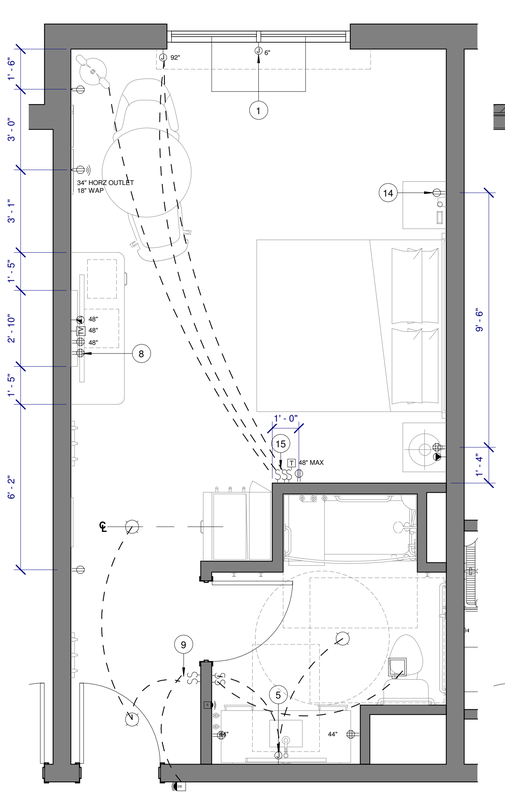
ACC KING BED WALL ELEVATION (B)
3/8" = 1'-0"



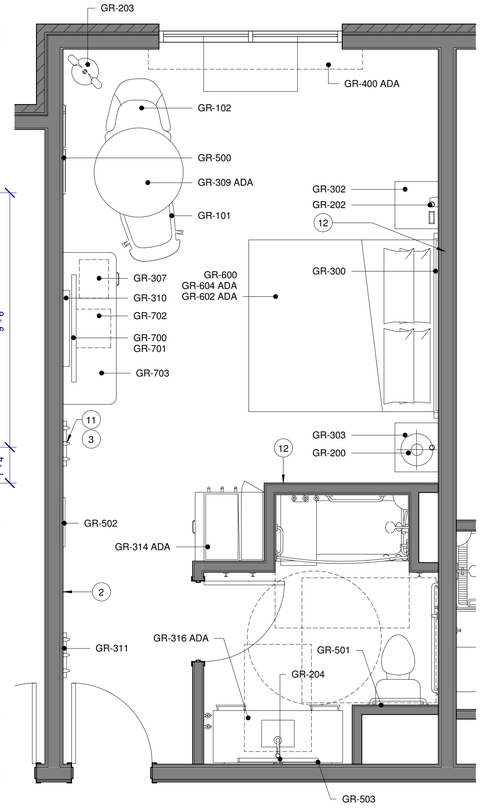
ACC KING WINDOW WALL ELEVATION (A)
3/8" = 1'-0"



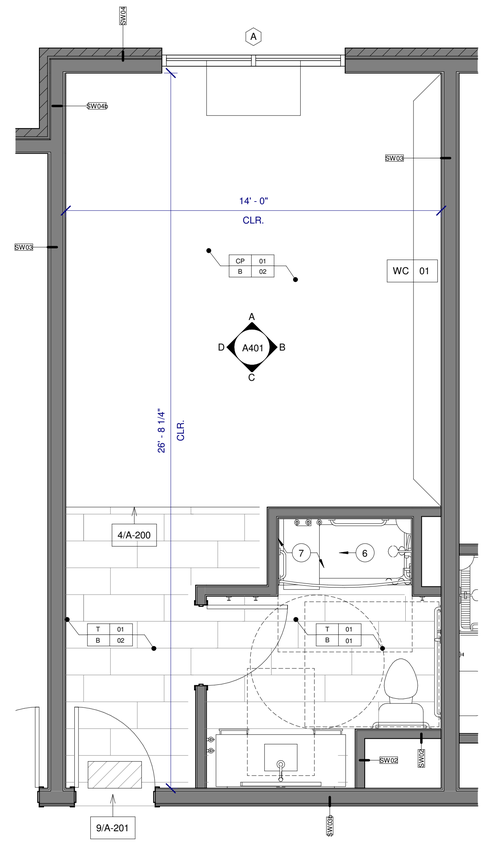
ACC KING - RCP (4)
3/8" = 1'-0"



ACC. KING - ELEC (3)
3/8" = 1'-0"



ACC. KING - FURN (2)
3/8" = 1'-0"



ACC. KING - ARCH (1)
3/8" = 1'-0"

ELECTRICAL LEGEND AND SYMBOLS:

PLAN	ELEV.	
		DUPLEX RECEPTACLE
	GFCI	DUPLEX RECEPTACLE W/ GFCI
		QUADPLEX RECEPTACLE
	GFCI	QUADPLEX RECEPTACLE W/ GFCI
TV	TV	TV/CABLE OUTLET
		TELEPHONE OUTLET
	CAT6	CAT6 RJ45 INTERNET SOCKET
		SWITCH
T	T	WALL MOUNTED WIRELESS THERMOSTAT
J	J	WALL MOUNTED JUNCTION BOX
		EXHAUST FAN
		WALL MOUNTED WIRELESS ACCESS POINT PROVIDE 6" CLEARANCE TO ALL OTHER OUTLETS.
HS	HS	FIRE HORNS/STROBE (IN C.F. ROOMS ONLY, OMIT FIRE HORNS WHEN THESE ARE USED)
S	S	STROBE (IN C.F. ROOMS ONLY)
DB	D	DOORBELL LIGHT, (C.F. ROOMS ONLY)
H	H	FIRE HORN, STANDARD ROOMS
SD	SD	SMOKE DETECTOR
		SIDE WALL SPRINKLER HEAD
USB	USB	POWER OUTLET (DUPLEX WITH (2) QTY USB PORTS)
		DOORBELL-MOUNT AT 46" AFF TO CENTER OF BUTTON (C.F. ROOMS ONLY)

ELECTRICAL OUTLET HEIGHTS (U.N.O.)

TYPICAL WALL OUTLET	-	18" A.F.F.
BATHROOM VANITY OUTLET	-	48" A.F.F.
ACC. BATHROOM VANITY OUTLET	-	44" A.F.F.

KEYNOTES:

1. HARDWIRED PACKAGED TERMINAL AIR CONDITIONER (PTAC) UNIT
2. COMMUNICATING DOOR LOCATION WHEN USED.
3. EXTENDED WALL STOPS AT DOOR LOCATIONS AS NEEDED.
4. LIGHTS IN THIS AREA MUST BE DAMP LOCATION RATED AND W/ SHATTERPROOF LENSES.
5. WALL MOUNTED VANITY LIGHT - PROVIDE JUNCTION BOX, COORDINATED WITH FIXTURE.
6. SHOWER/BATH DRAIN LOCATION.
7. NO FINISHES UNDER SHOWER PAN/TUB.
8. PROVIDE DEDICATED ELECTRICAL CIRCUIT FOR EACH UNDERCOUNTER APPLIANCE.
9. DOORBELL ON/OFF SWITCH FOR COMMUNICATION FEATURE ROOMS ONLY - SIGNAGE AS REQUIRED.
10. DASHED BOXES AND CIRCLES REPRESENT ACCESSIBLE CLEAR FLOOR AREAS. REFER TO ACCESSIBILITY STANDARDS FOR MORE INFORMATION.
11. REFER TO ALTERNATE LOCATION FOR THE WALL HOOKS WHEN CONNECTING DOOR IS PRESENT.
12. PROVIDE BLOCKING AT WALLS WHERE INDICATED FOR TOILET ACCESSORIES AND FF&E.
13. MOVE MIRROR 6" AWAY WHEN CONNECTING DOOR IS PRESENT.
14. ALL OUTLETS MUST BE LOCATED DIRECTLY BEHIND THE FURNITURE. SHIFT OUTLETS ONLY AS NEEDED TO AVOID BACK-TO-BACK OUTLETS WITH THE ADJACENT ROOM. DO NOT SHIFT OUTLETS BEYOND THE EDGE OF THE FURNITURE
15. PROVIDE SWITCHES FOR OPTIONAL MOTORIZED DRAPERY IF USED IN ACCESSIBLE ROOMS

GUESTROOM FURNISHING LEGEND:

GR-100	SLEEPER SOFA
GR-101	TASK CHAIR
GR-102	LOUNGE CHAIR
GR-103	SIDE CHAIR
GR-200	KING TABLE LAMP
GR-201	QUEEN HEADBOARD SCONCE
GR-202	KING HEADBOARD SCONCE
GR-203	FLOOR LAMP
GR-204	VANITY LIGHT
GR-205	STUDIO SUITE TASK LAMP
GR-300	KING HEADBOARD
GR-301	QUEEN HEADBOARD
GR-302	KING LEFT-HAND NIGHTSTAND
GR-303	KING RIGHT-HAND NIGHTSTAND
GR-304	QUEEN NIGHTSTAND
GR-305	KING PLATFORM BED BASE
GR-306	QUEEN PLATFORM BED BASE
GR-307	HOSPITALITY UNIT
GR-308	STUDIO SUITE HOSPITALITY UNIT
GR-308.ADA	ACCESSIBLE STUDIO SUITE HOSPITALITY UNIT
GR-309	HAMPTON TABLE
GR-309.ADA	ACCESSIBLE HAMPTON TABLE
GR-310	TV PANEL
GR-311	ENTRY WALL HOOKS
GR-312	STUDIO SUITE CANTILEVERED WALL SHELF
GR-313	STUDIO SUITE C-TABLE
GR-314	CLOSET
GR-314.ADA	ACCESSIBLE CLOSET
GR-315	STUDIO SUITE CLOSET
GR-315.ADA	ACCESSIBLE STUDIO SUITE CLOSET
GR-316	58" BATHROOM VANITY
GR-316.ADA	58" ACCESSIBLE BATHROOM VANITY
GR-317	68" BATHROOM VANITY
GR-317.ADA	68" ACCESSIBLE BATHROOM VANITY
GR-400	GUESTROOM WINDOW TREATMENT
GR-400.ADA.MA	ACCESSIBLE GUESTROOM WINDOW TREATMENT - MANUAL
GR-400.ADA.MO	ACCESSIBLE GUESTROOM WINDOW TREATMENT - MOTORIZED
GR-500	BEDROOM ARTWORK
GR-501	BATH ARTWORK
GR-502	FULL LENGTH MIRROR
GR-503	VANITY MIRROR
GR-600	KING MATTRESS SET
GR-601	QUEEN MATTRESS SET
GR-602.ADA	KING BED BASE ACCESSIBLE
GR-603.ADA	QUEEN BED BASE ACCESSIBLE
GR-604.ADA	KING ACCESSIBLE BEDSKIRT
GR-605.ADA	QUEEN ACCESSIBLE BEDSKIRT
GR-700	TELEVISION @ GUESTROOM
GR-701	TELEVISION MOUNT @ GUESTROOM
GR-702	MICROWAVE @ GUESTROOM
GR-703	REFRIGERATOR @ GUESTROOM

NOTE:

REFER TO SPECIFICATIONS FOR TILE PATTERNS. ALL TILE MUST BE INSTALLED PER MANUFACTURER'S REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, INSTALLATION PATTERNS.

FINISH LEGEND:

ACT	ACOUSTIC CEILING TILE
B	WALL BASE
CP	CARPET
M	METAL
PL	PLASTIC LAMINATE
PT	PAINT
RF	RESILIENT FLOORING
SF	SPECIAL FINISH
ST	STONE
T	TILE
WC	WALL COVERING
W	WOOD FINISH
	FIRST FULL TILE

CEILING LEGEND: X'-X" Y

X'-X" Y — MINIMUM CEILING HEIGHT
B — CEILING FINISH

A	PRIMED & PAINTED GYPSUM BOARD
B	PRIMED & PAINTED GYPSUM BOARD - MOISTURE RESISTANT
C	UNDERSIDE OF FLOOR/ROOF SYSTEM - PRIMED AND PAINTED - REFER TO STANDARDS

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
2	07.20.26	COORDINATION

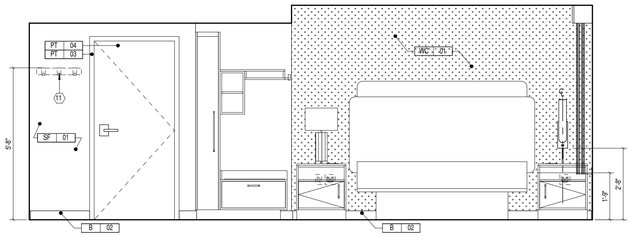
drawn by: KKJ
checked by: FTM
project no: 25-104

ENLARGED ACC. KING

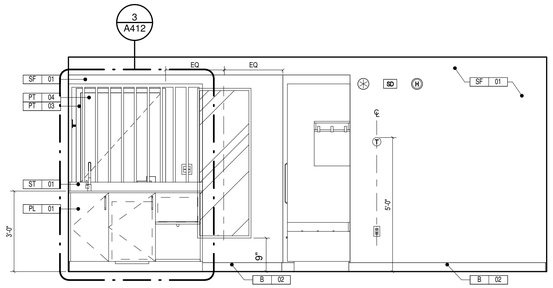
A401

9/18/2026 10:27:21 AM

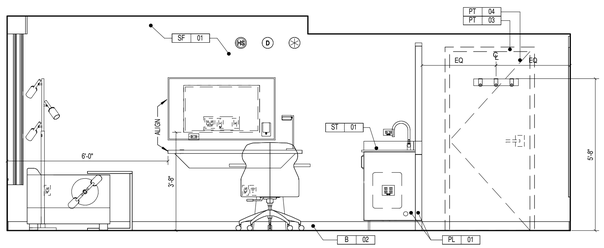
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



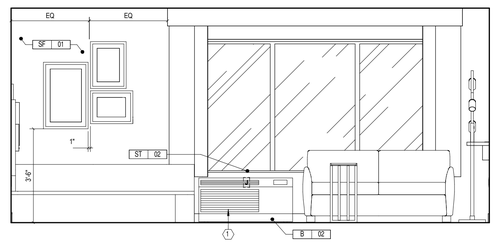
KING STUDIO SUITE BED WALL ELEVATION (D)
3/8" = 1'-0"



KING STUDIO SUITE BATH WALL ELEVATION (C)
3/8" = 1'-0"



KING STUDIO SUITE TV WALL ELEVATION (B)
3/8" = 1'-0"



KING STUDIO SUITE WINDOW WALL ELEVATION (A)
3/8" = 1'-0"

ELECTRICAL LEGEND AND SYMBOLS:

PLAN	ELEV.	
		DUPLEX RECEPTACLE
	GFCI	DUPLEX RECEPTACLE W/ GFCI
		QUADPLEX RECEPTACLE
	GFCI	QUADPLEX RECEPTACLE W/ GFCI
TV		TV/CABLE OUTLET
		TELEPHONE OUTLET
	CAT 6	CAT6 RJ45 INTERNET SOCKET
		SWITCH
T	T	WALL MOUNTED WIRELESS THERMOSTAT
J	J	WALL MOUNTED JUNCTION BOX
		EXHAUST FAN
		WALL MOUNTED WIRELESS ACCESS POINT PROVIDE 6" CLEARANCE TO ALL OTHER OUTLETS.
HS	HS	FIRE HORNS/STROBE (IN C.F. ROOMS ONLY, OMIT FIRE HORNS WHEN THESE ARE USED)
S	S	STROBE (IN C.F. ROOMS ONLY)
DB	D	DOORBELL LIGHT, (C.F. ROOMS ONLY)
H	H	FIRE HORN, STANDARD ROOMS
SD	SD	SMOKE DETECTOR
		SIDE WALL SPRINKLER HEAD
USB	USB	POWER OUTLET (DUPLEX WITH (2) QTY USB PORTS)
		DOORBELL-MOUNT AT 46" AFF TO CENTER OF BUTTON (C.F. ROOMS ONLY)

ELECTRICAL OUTLET HEIGHTS (U.N.O.)

TYPICAL WALL OUTLET	-	18" A.F.F.
BATHROOM VANITY OUTLET	-	48" A.F.F.
ACC. BATHROOM VANITY OUTLET	-	44" A.F.F.

GR-311	ENTRY WALL HOOKS
GR-312	STUDIO SUITE CANTILEVERED WALL SHELF
GR-313	STUDIO SUITE C-TABLE
GR-314	CLOSET
GR-314.ADA	ACCESSIBLE CLOSET
GR-315	STUDIO SUITE CLOSET
GR-315.ADA	ACCESSIBLE STUDIO SUITE CLOSET
GR-316	58" BATHROOM VANITY
GR-316.ADA	58" ACCESSIBLE BATHROOM VANITY
GR-317	68" BATHROOM VANITY
GR-317.ADA	68" ACCESSIBLE BATHROOM VANITY
GR-400	GUESTROOM WINDOW TREATMENT
GR-400.ADA.MA	ACCESSIBLE GUESTROOM WINDOW TREATMENT - MANUAL
GR-400.ADA.MO	ACCESSIBLE GUESTROOM WINDOW TREATMENT - MOTORIZED
GR-500	BEDROOM ARTWORK
GR-501	BATH ARTWORK
GR-502	FULL LENGTH MIRROR
GR-503	VANITY MIRROR
GR-600	KING MATTRESS SET
GR-601	QUEEN MATTRESS SET
GR-602.ADA	KING BED BASE ACCESSIBLE
GR-603.ADA	QUEEN BED BASE ACCESSIBLE
GR-604.ADA	KING ACCESSIBLE BEDSKIRT
GR-605.ADA	QUEEN ACCESSIBLE BEDSKIRT
GR-700	TELEVISION @ GUESTROOM
GR-701	TELEVISION MOUNT @ GUESTROOM
GR-702	MICROWAVE @ GUESTROOM
GR-703	REFRIGERATOR @ GUESTROOM

NOTE:

REFER TO SPECIFICATIONS FOR TILE PATTERNS. ALL TILE MUST BE INSTALLED PER MANUFACTURER'S REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, INSTALLATION PATTERNS.

FINISH LEGEND:

ACT	ACOUSTIC CEILING TILE
B	WALL BASE
CP	CARPET
M	METAL
PL	PLASTIC LAMINATE
PT	PAINT
RF	RESILIENT FLOORING
SF	SPECIAL FINISH
ST	STONE
T	TILE
WC	WALL COVERING
W	WOOD FINISH
	FIRST FULL TILE

CEILING LEGEND: X'-X" Y

8'-0" B — MINIMUM CEILING HEIGHT / CEILING FINISH

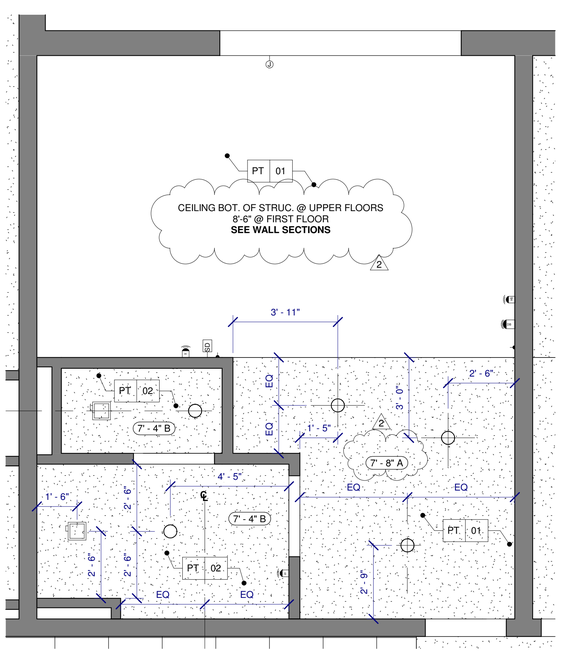
A	PRIMED & PAINTED GYPSUM BOARD
B	PRIMED & PAINTED GYPSUM BOARD - MOISTURE RESISTANT
C	UNDERSIDE OF FLOOR/ROOF SYSTEM - PRIMED AND PAINTED - REFER TO STANDARDS

KEYNOTES:

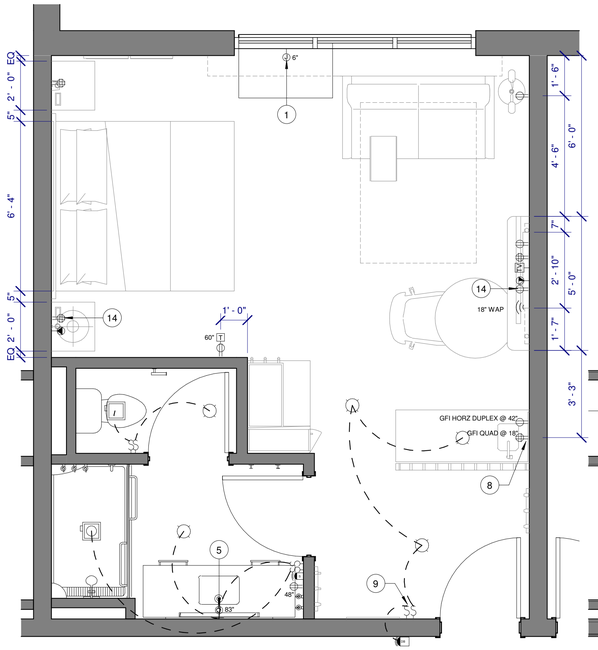
1. HARDWIRED PACKAGED TERMINAL AIR CONDITIONER (PTAC) UNIT
2. COMMUNICATING DOOR LOCATION WHEN USED.
3. EXTENDED WALL STOPS AT DOOR LOCATIONS AS NEEDED.
4. LIGHTS IN THIS AREA MUST BE DAMP LOCATION RATED AND W/ SHATTERPROOF LENSES.
5. WALL MOUNTED VANITY LIGHT - PROVIDE JUNCTION BOX, COORDINATED WITH FIXTURE.
6. SHOWER/BATH DRAIN LOCATION.
7. NO FINISHES UNDER SHOWER PAN/TUB.
8. PROVIDE DEDICATED ELECTRICAL CIRCUIT FOR EACH UNDERCOUNTER APPLIANCE.
9. DOORBELL ON/OFF SWITCH FOR COMMUNICATION FEATURE ROOMS ONLY - SIGNAGE AS REQUIRED.
10. DASHED BOXES AND CIRCLES REPRESENT ACCESSIBLE CLEAR FLOOR AREAS. REFER TO ACCESSIBILITY STANDARDS FOR MORE INFORMATION.
11. REFER TO ALTERNATE LOCATION FOR THE WALL HOOKS WHEN CONNECTING DOOR IS PRESENT.
12. PROVIDE BLOCKING AT WALLS WHERE INDICATED FOR TOILET ACCESSORIES AND FF&E.
13. MOVE MIRROR 6" AWAY WHEN CONNECTING DOOR PRESENT.
14. ALL OUTLETS MUST BE LOCATED DIRECTLY BEHIND THE FURNITURE. SHIFT OUTLETS ONLY AS NEEDED TO AVOID BACK-TO-BACK OUTLETS WITH THE ADJACENT ROOM. DO NOT SHIFT OUTLETS BEYOND THE EDGE OF THE FURNITURE
15. PROVIDE SWITCHES FOR OPTIONAL MOTORIZED DRAPERY IF USED IN ACCESSIBLE ROOMS

GUESTROOM FURNISHING LEGEND:

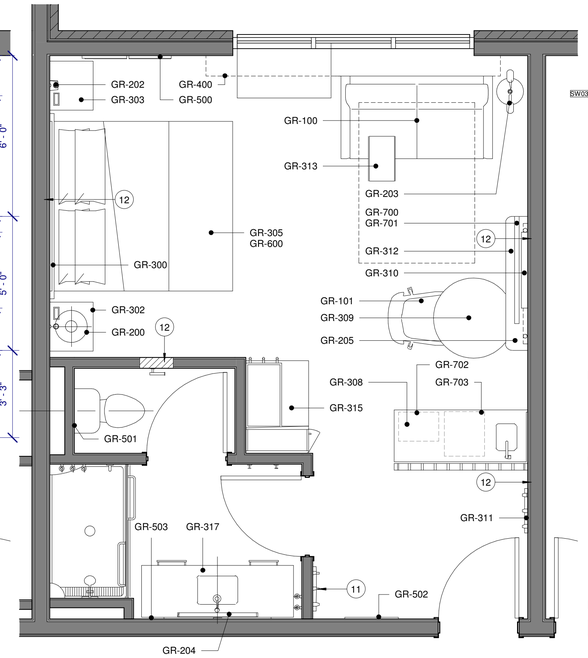
GR-100	SLEEPER SOFA
GR-101	TASK CHAIR
GR-102	LOUNGE CHAIR
GR-103	SIDE CHAIR
GR-200	KING TABLE LAMP
GR-201	QUEEN HEADBOARD SCONCE
GR-202	KING HEADBOARD SCONCE
GR-203	FLOOR LAMP
GR-204	VANITY LIGHT
GR-205	STUDIO SUITE TASK LAMP
GR-300	KING HEADBOARD
GR-301	QUEEN HEADBOARD
GR-302	KING LEFT-HAND NIGHTSTAND
GR-303	KING RIGHT-HAND NIGHTSTAND
GR-304	QUEEN NIGHTSTAND
GR-305	KING PLATFORM BED BASE
GR-306	QUEEN PLATFORM BED BASE
GR-307	HOSPITALITY UNIT
GR-308	STUDIO SUITE HOSPITALITY UNIT
GR-308.ADA	ACCESSIBLE STUDIO SUITE HOSPITALITY UNIT
GR-309	HAMPTON TABLE
GR-309.ADA	ACCESSIBLE HAMPTON TABLE
GR-310	TV PANEL



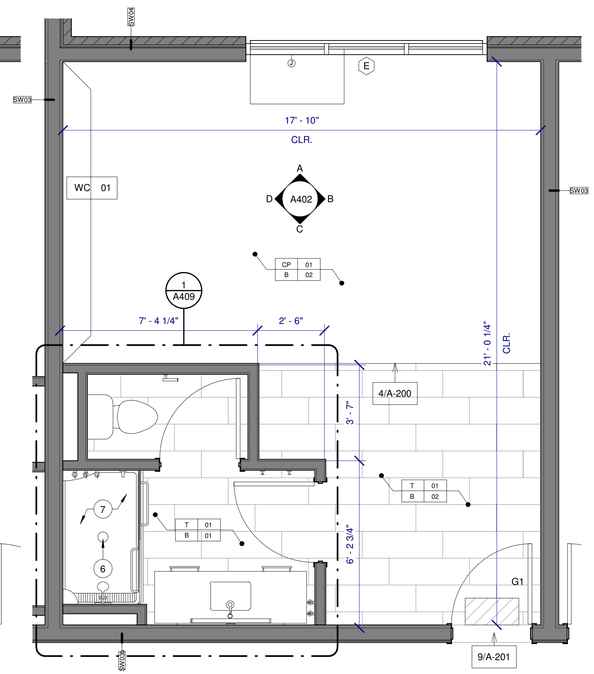
KING STUDIO SUITE - RCP (4)
3/8" = 1'-0"



KING STUDIO SUITE - ELEC (2)
3/8" = 1'-0"



KING STUDIO SUITE - FURN (3)
3/8" = 1'-0"



KING STUDIO SUITE - ARCH (1)
3/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

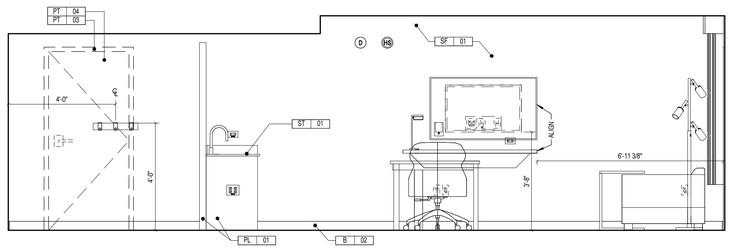
Revision	Date	Description
2	07.20.26	COORDINATION

drawn by: KKJ
checked by: FTM
project no: 25-104

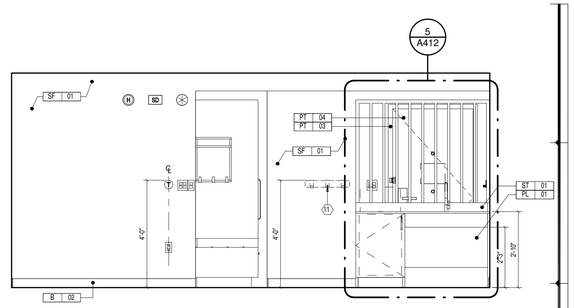
ENLARGED KING STUDIO SUITE

A402

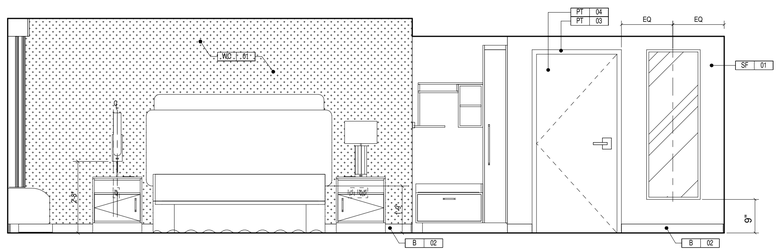
9/18/2026 10:27:26 AM



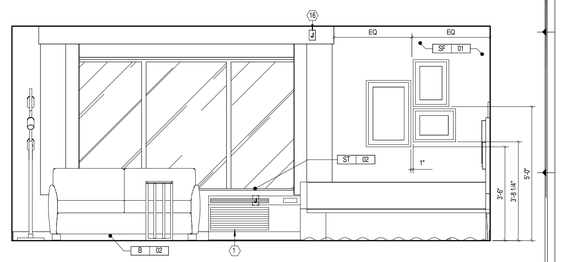
ACC KING STUDIO SUITE TV WALL ELEVATION (D)
3/8" = 1'-0"



ACC KING STUDIO SUITE BATH WALL ELEVATION (C)
3/8" = 1'-0"



ACC KING STUDIO SUITE BED WALL ELEVATION (B)
3/8" = 1'-0"



ACC KING STUDIO SUITE WINDOW WALL ELEVATION (A)
3/8" = 1'-0"

ELECTRICAL LEGEND AND SYMBOLS:

PLAN	ELEV.	
		DUPLEX RECEPTACLE
		DUPLEX RECEPTACLE W/ GFCI
		QUADPLEX RECEPTACLE
		QUADPLEX RECEPTACLE W/ GFCI
TV		TV/CABLE OUTLET
		TELEPHONE OUTLET
		CAT6 RJ45 INTERNET SOCKET
		SWITCH
T	T	WALL MOUNTED WIRELESS THERMOSTAT
J	J	WALL MOUNTED JUNCTION BOX
		EXHAUST FAN
		WALL MOUNTED WIRELESS ACCESS POINT PROVIDE 6" CLEARANCE TO ALL OTHER OUTLETS.
HS	HS	FIRE HORNS/STROBE (IN C.F. ROOMS ONLY, OMIT FIRE HORNS WHEN THESE ARE USED)
S	S	STROBE (IN C.F. ROOMS ONLY)
DB	D	DOORBELL LIGHT, (C.F. ROOMS ONLY)
H	H	FIRE HORN, STANDARD ROOMS
SD	SD	SMOKE DETECTOR
		SIDE WALL SPRINKLER HEAD
USB	USB	POWER OUTLET (DUPLEX WITH (2) QTY USB PORTS)
		DOORBELL-MOUNT AT 46" AFF TO CENTER OF BUTTON (C.F. ROOMS ONLY)

ELECTRICAL OUTLET HEIGHTS (U.N.O.)

TYPICAL WALL OUTLET	-	18" A.F.F.
BATHROOM VANITY OUTLET	-	48" A.F.F.
ACC. BATHROOM VANITY OUTLET	-	44" A.F.F.

GR-311	ENTRY WALL HOOKS
GR-312	STUDIO SUITE CANTILEVERED WALL SHELF
GR-313	STUDIO SUITE C-TABLE
GR-314	CLOSET
GR-314.ADA	ACCESSIBLE CLOSET
GR-315	STUDIO SUITE CLOSET
GR-315.ADA	ACCESSIBLE STUDIO SUITE CLOSET
GR-316	58" BATHROOM VANITY
GR-316.ADA	58" ACCESSIBLE BATHROOM VANITY
GR-317	68" BATHROOM VANITY
GR-317.ADA	68" ACCESSIBLE BATHROOM VANITY
GR-400	GUESTROOM WINDOW TREATMENT
GR-400.ADA.MA	ACCESSIBLE GUESTROOM WINDOW TREATMENT - MANUAL
GR-400.ADA.MO	ACCESSIBLE GUESTROOM WINDOW TREATMENT - MOTORIZED
GR-500	BEDROOM ARTWORK
GR-501	BATH ARTWORK
GR-502	FULL LENGTH MIRROR
GR-503	VANITY MIRROR
GR-600	KING MATTRESS SET
GR-601	QUEEN MATTRESS SET
GR-602.ADA	KING BED BASE ACCESSIBLE
GR-603.ADA	QUEEN BED BASE ACCESSIBLE
GR-604.ADA	KING ACCESSIBLE BEDSKIRT
GR-605.ADA	QUEEN ACCESSIBLE BEDSKIRT
GR-700	TELEVISION @ GUESTROOM
GR-701	TELEVISION MOUNT @ GUESTROOM
GR-702	MICROWAVE @ GUESTROOM
GR-703	REFRIGERATOR @ GUESTROOM

NOTE:

REFER TO SPECIFICATIONS FOR TILE PATTERNS. ALL TILE MUST BE INSTALLED PER MANUFACTURER'S REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, INSTALLATION PATTERNS.

FINISH LEGEND:

ACT	ACOUSTIC CEILING TILE
B	WALL BASE
CP	CARPET
M	METAL
PL	PLASTIC LAMINATE
PT	PAINT
RF	RESILIENT FLOORING
SF	SPECIAL FINISH
ST	STONE
T	TILE
WC	WALL COVERING
W	WOOD FINISH
	FIRST FULL TILE

CEIILING LEGEND: X'-X" Y

8'-2" B — MINIMUM CEILING HEIGHT / CEILING FINISH

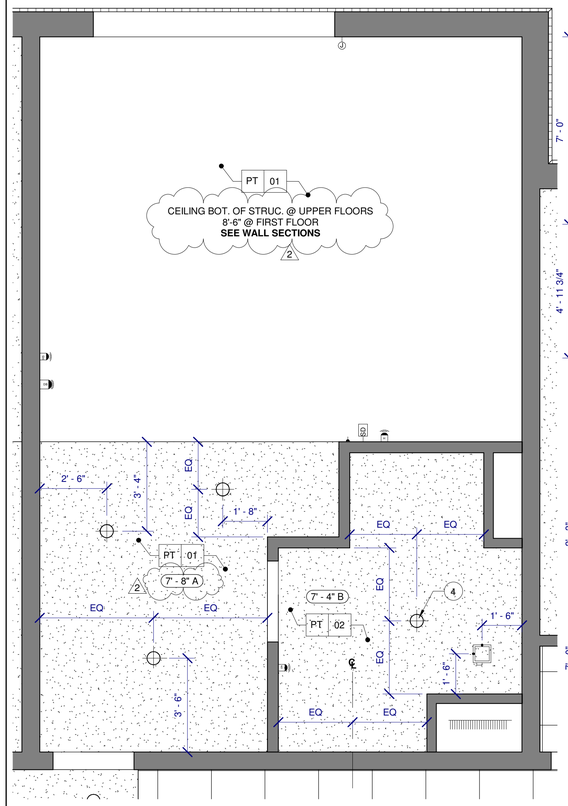
A	PRIMED & PAINTED GYPSUM BOARD
B	PRIMED & PAINTED GYPSUM BOARD - MOISTURE RESISTANT
C	UNDERSIDE OF FLOOR/ROOF SYSTEM - PRIMED AND PAINTED - REFER TO STANDARDS

KEYNOTES:

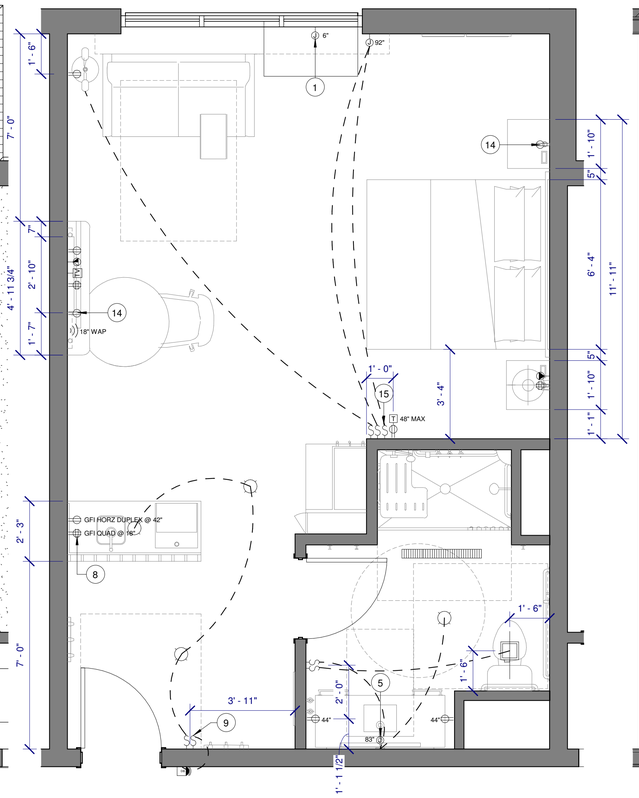
1. HARDWIRED PACKAGED TERMINAL AIR CONDITIONER (PTAC) UNIT
2. COMMUNICATING DOOR LOCATION WHEN USED.
3. EXTENDED WALL STOPS AT DOOR LOCATIONS AS NEEDED.
4. LIGHTS IN THIS AREA MUST BE DAMP LOCATION RATED AND W/ SHATTERPROOF LENSES.
5. WALL MOUNTED VANITY LIGHT - PROVIDE JUNCTION BOX, COORDINATED WITH FIXTURE.
6. SHOWER/BATH DRAIN LOCATION.
7. NO FINISHES UNDER SHOWER PAN/TUB.
8. PROVIDE DEDICATED ELECTRICAL CIRCUIT FOR EACH UNDERCOUNTER APPLIANCE.
9. DOORBELL ON/OFF SWITCH FOR COMMUNICATION FEATURE ROOMS ONLY - SIGNAGE AS REQUIRED.
10. DASHED BOXES AND CIRCLES REPRESENT ACCESSIBLE CLEAR FLOOR AREAS. REFER TO ACCESSIBILITY STANDARDS FOR MORE INFORMATION.
11. REFER TO ALTERNATE LOCATION FOR THE WALL HOOKS WHEN CONNECTING DOOR IS PRESENT.
12. PROVIDE BLOCKING AT WALLS WHERE INDICATED FOR TOILET ACCESSORIES AND FF&E.
13. MOVE MIRROR 6" AWAY WHEN CONNECTING DOOR IS PRESENT.
14. ALL OUTLETS MUST BE LOCATED DIRECTLY BEHIND THE FURNITURE. SHIFT OUTLETS ONLY AS NEEDED TO AVOID BACK-TO-BACK OUTLETS WITH THE ADJACENT ROOM. DO NOT SHIFT OUTLETS BEYOND THE EDGE OF THE FURNITURE
15. PROVIDE SWITCHES FOR OPTIONAL MOTORIZED DRAPERY IF USED IN ACCESSIBLE ROOMS

GUESTROOM FURNISHING LEGEND:

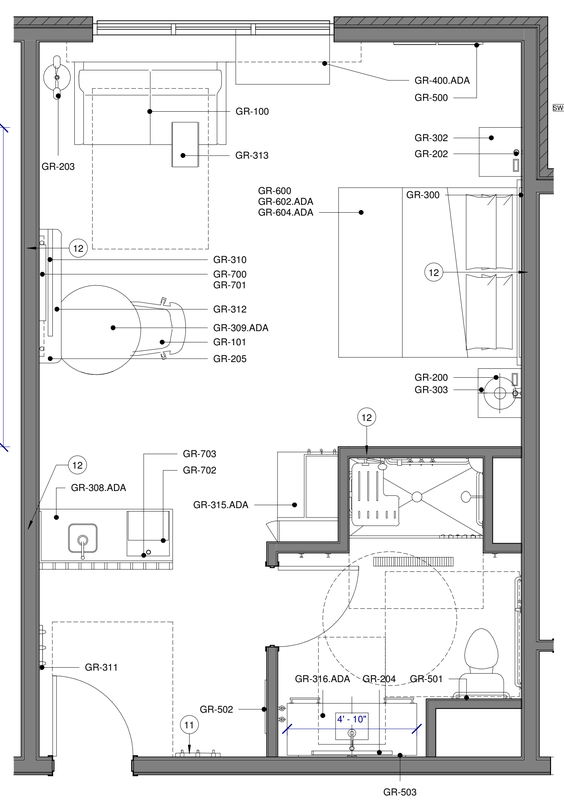
GR-100	SLEEPER SOFA
GR-101	TASK CHAIR
GR-102	LOUNGE CHAIR
GR-103	SIDE CHAIR
GR-200	KING TABLE LAMP
GR-201	QUEEN HEADBOARD SCONCE
GR-202	KING HEADBOARD SCONCE
GR-203	FLOOR LAMP
GR-204	VANITY LIGHT
GR-205	STUDIO SUITE TASK LAMP
GR-300	KING HEADBOARD
GR-301	QUEEN HEADBOARD
GR-302	KING LEFT-HAND NIGHTSTAND
GR-303	KING RIGHT-HAND NIGHTSTAND
GR-304	QUEEN NIGHTSTAND
GR-305	KING PLATFORM BED BASE
GR-306	QUEEN PLATFORM BED BASE
GR-307	HOSPITALITY UNIT
GR-308	STUDIO SUITE HOSPITALITY UNIT
GR-308.ADA	ACCESSIBLE STUDIO SUITE HOSPITALITY UNIT
GR-309	HAMPTON TABLE
GR-309.ADA	ACCESSIBLE HAMPTON TABLE
GR-310	TV PANEL



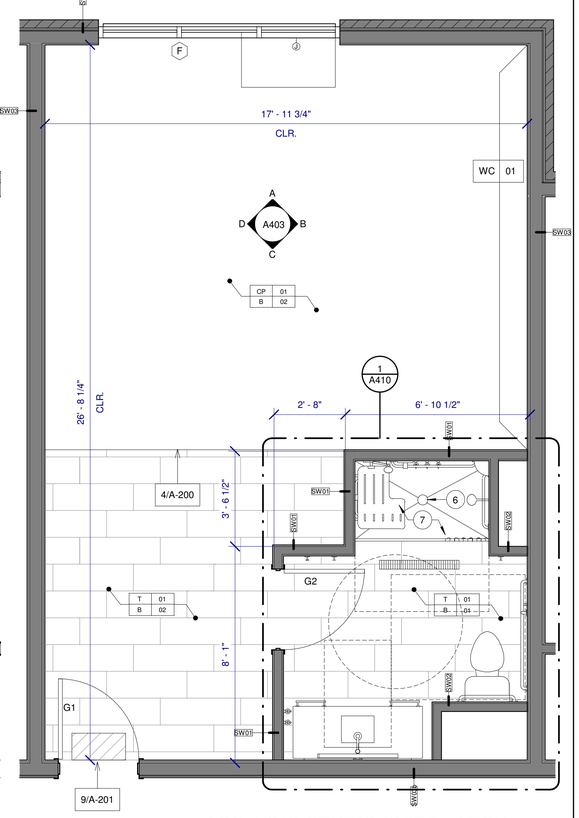
ACC. KING STUDIO SUITE - RCP (4)
3/8" = 1'-0"



ACC. KING STUDIO SUITE - ELEC (3)
3/8" = 1'-0"



ACC. KING STUDIO SUITE - FURN (2)
3/8" = 1'-0"



ACC. KING STUDIO SUITE - ARCH (1)
3/8" = 1'-0"

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

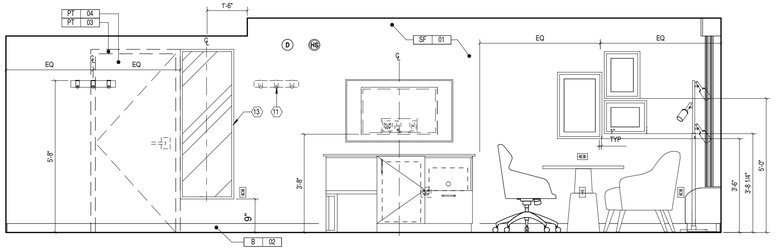
Revision	Date	Description
2	07.20.26	COORDINATION

drawn by: Author
checked by: FTM
project no: 25-104

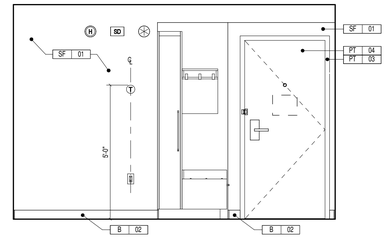
ENLARGED ACC. KING STUDIO SUITE

A403

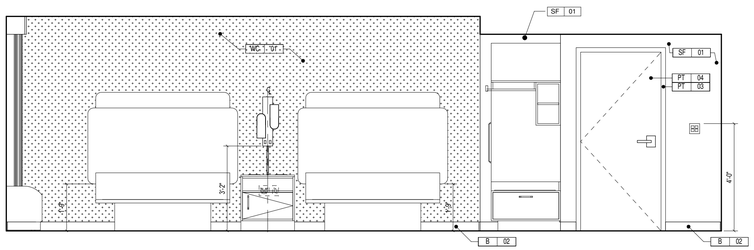
9/18/2026 10:27:31 AM



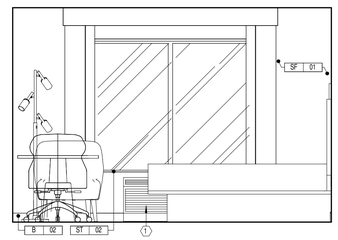
DOUBLE QUEEN TV WALL ELEVATION (D)
3/8" = 1'-0"



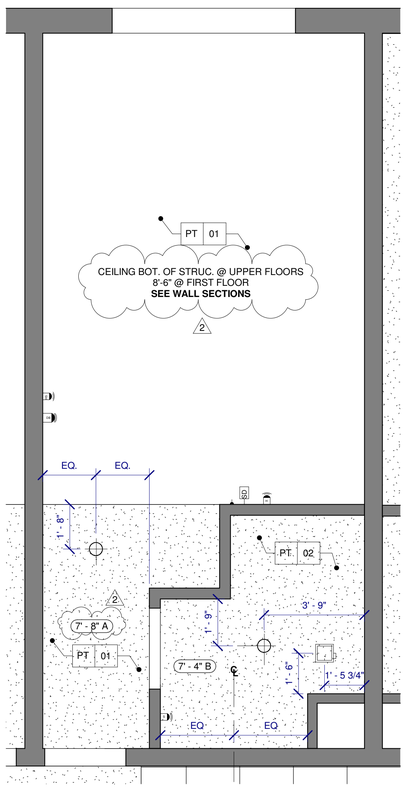
DOUBLE QUEEN BATH WALL ELEVATION (C)
3/8" = 1'-0"



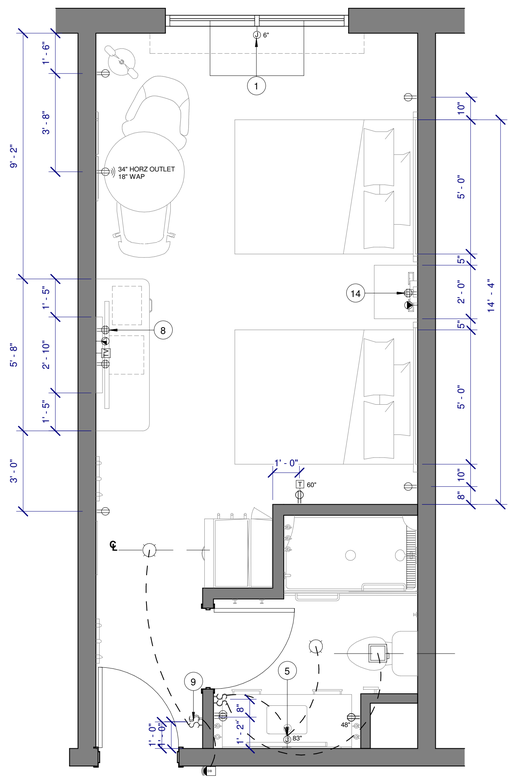
DOUBLE QUEEN BED WALL ELEVATION (B)
3/8" = 1'-0"



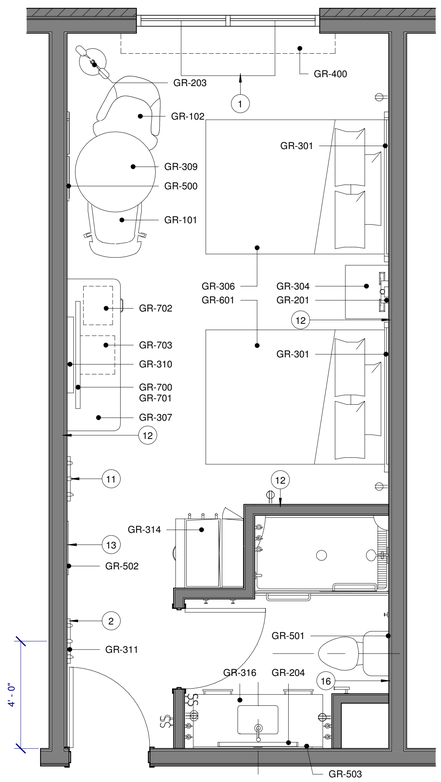
DOUBLE QUEEN WINDOW WALL ELEVATION (A)
3/8" = 1'-0"



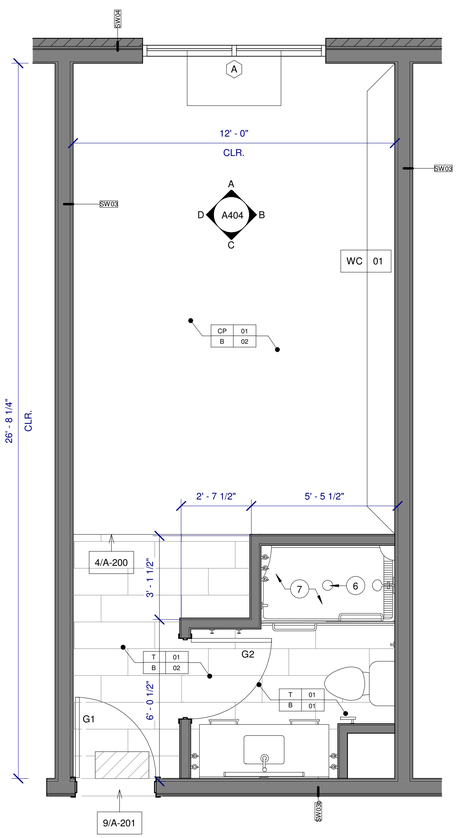
DOUBLE QUEEN - RCP (4)
3/8" = 1'-0"



DOUBLE QUEEN - ELEC (3)
3/8" = 1'-0"



DOUBLE QUEEN - FURN (2)
3/8" = 1'-0"



DOUBLE QUEEN - ARCH (1)
3/8" = 1'-0"

ELECTRICAL LEGEND AND SYMBOLS:

PLAN	ELEV.	
		DUPLEX RECEPTACLE
		DUPLEX RECEPTACLE W/ GFCI
		QUADPLEX RECEPTACLE
		QUADPLEX RECEPTACLE W/ GFCI
TV		TV/CABLE OUTLET
		TELEPHONE OUTLET
		CAT6 RJ45 INTERNET SOCKET
		SWITCH
T	T	WALL MOUNTED WIRELESS THERMOSTAT
J	J	WALL MOUNTED JUNCTION BOX
		EXHAUST FAN
		WALL MOUNTED WIRELESS ACCESS POINT PROVIDE 6" CLEARANCE TO ALL OTHER OUTLETS.
HS	HS	FIRE HORNS/STROBE (IN C.F. ROOMS ONLY, OMIT FIRE HORNS WHEN THESE ARE USED)
S	S	STROBE (IN C.F. ROOMS ONLY)
DB	D	DOORBELL LIGHT, (C.F. ROOMS ONLY)
H	H	FIRE HORN, STANDARD ROOMS
SD	SD	SMOKE DETECTOR
		SIDE WALL SPRINKLER HEAD
USB	USB	POWER OUTLET (DUPLEX WITH (2) QTY USB PORTS)
		DOORBELL-MOUNT AT 46" AFF TO CENTER OF BUTTON (C.F. ROOMS ONLY)

ELECTRICAL OUTLET HEIGHTS (U.N.O.)

TYPICAL WALL OUTLET	-	18" A.F.F.
BATHROOM VANITY OUTLET	-	48" A.F.F.
ACC. BATHROOM VANITY OUTLET	-	44" A.F.F.

KEYNOTES:

1. HARDWIRED PACKAGED TERMINAL AIR CONDITIONER (PTAC) UNIT
2. COMMUNICATING DOOR LOCATION WHEN USED.
3. EXTENDED WALL STOPS AT DOOR LOCATIONS AS NEEDED.
4. LIGHTS IN THIS AREA MUST BE DAMP LOCATION RATED AND W/ SHATTERPROOF LENSES.
5. WALL MOUNTED VANITY LIGHT - PROVIDE JUNCTION BOX, COORDINATED WITH FIXTURE.
6. SHOWER/BATH DRAIN LOCATION.
7. NO FINISHES UNDER SHOWER PAN/TUB.
8. PROVIDE DEDICATED ELECTRICAL CIRCUIT FOR EACH UNDERCOUNTER APPLIANCE.
9. DOORBELL ON/OFF SWITCH FOR COMMUNICATION FEATURE ROOMS ONLY - SIGNAGE AS REQUIRED.
10. DASHED BOXES AND CIRCLES REPRESENT ACCESSIBLE CLEAR FLOOR AREAS. REFER TO ACCESSIBILITY STANDARDS FOR MORE INFORMATION.
11. REFER TO ALTERNATE LOCATION FOR THE WALL HOOKS WHEN CONNECTING DOOR IS PRESENT.
12. PROVIDE BLOCKING AT WALLS WHERE INDICATED FOR TOILET ACCESSORIES AND FF&E.
13. MOVE MIRROR 6" AWAY WHEN CONNECTING DOOR IS PRESENT.
14. ALL OUTLETS MUST BE LOCATED DIRECTLY BEHIND THE FURNITURE. SHIFT OUTLETS ONLY AS NEEDED TO AVOID BACK-TO-BACK OUTLETS WITH THE ADJACENT ROOM. DO NOT SHIFT OUTLETS BEYOND THE EDGE OF THE FURNITURE
15. PROVIDE SWITCHES FOR OPTIONAL MOTORIZED DRAPERY IF USED IN ACCESSIBLE ROOMS

GUESTROOM FURNISHING LEGEND:

GR-100	SLEEPER SOFA
GR-101	TASK CHAIR
GR-102	LOUNGE CHAIR
GR-103	SIDE CHAIR
GR-200	KING TABLE LAMP
GR-201	QUEEN HEADBOARD SCONCE
GR-202	KING HEADBOARD SCONCE
GR-203	FLOOR LAMP
GR-204	VANITY LIGHT
GR-205	STUDIO SUITE TASK LAMP
GR-300	KING HEADBOARD
GR-301	QUEEN HEADBOARD
GR-302	KING LEFT-HAND NIGHTSTAND
GR-303	KING RIGHT-HAND NIGHTSTAND
GR-304	QUEEN NIGHTSTAND
GR-305	KING PLATFORM BED BASE
GR-306	QUEEN PLATFORM BED BASE
GR-307	HOSPITALITY UNIT
GR-308	STUDIO SUITE HOSPITALITY UNIT
GR-308.ADA	ACCESSIBLE STUDIO SUITE HOSPITALITY UNIT
GR-309	HAMPTON TABLE
GR-309.ADA	ACCESSIBLE HAMPTON TABLE
GR-310	TV PANEL
GR-311	ENTRY WALL HOOKS
GR-312	STUDIO SUITE CANTILEVERED WALL SHELF
GR-313	STUDIO SUITE C-TABLE
GR-314	CLOSET
GR-314.ADA	ACCESSIBLE CLOSET
GR-315	STUDIO SUITE CLOSET
GR-315.ADA	ACCESSIBLE STUDIO SUITE CLOSET
GR-316	58" BATHROOM VANITY
GR-316.ADA	58" ACCESSIBLE BATHROOM VANITY
GR-317	68" BATHROOM VANITY
GR-317.ADA	68" ACCESSIBLE BATHROOM VANITY
GR-400	GUESTROOM WINDOW TREATMENT
GR-400.ADA.MA	ACCESSIBLE GUESTROOM WINDOW TREATMENT - MANUAL
GR-400.ADA.MO	ACCESSIBLE GUESTROOM WINDOW TREATMENT - MOTORIZED
GR-500	BEDROOM ARTWORK
GR-501	BATH ARTWORK
GR-502	FULL LENGTH MIRROR
GR-503	VANITY MIRROR
GR-600	KING MATTRESS SET
GR-601	QUEEN MATTRESS SET
GR-602.ADA	KING BED BASE ACCESSIBLE
GR-603.ADA	QUEEN BED BASE ACCESSIBLE
GR-604.ADA	KING ACCESSIBLE BEDSKIRT
GR-605.ADA	QUEEN ACCESSIBLE BEDSKIRT
GR-700	TELEVISION @ GUESTROOM
GR-701	TELEVISION MOUNT @ GUESTROOM
GR-702	MICROWAVE @ GUESTROOM
GR-703	REFRIGERATOR @ GUESTROOM

NOTE:

REFER TO SPECIFICATIONS FOR TILE PATTERNS. ALL TILE MUST BE INSTALLED PER MANUFACTURER'S REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, INSTALLATION PATTERNS.

FINISH LEGEND:

ACT	ACOUSTIC CEILING TILE
B	WALL BASE
CP	CARPET
M	METAL
PL	PLASTIC LAMINATE
PT	PAINT
RF	RESILIENT FLOORING
SF	SPECIAL FINISH
ST	STONE
T	TILE
WC	WALL COVERING
W	WOOD FINISH
	FIRST FULL TILE

CEILING LEGEND: X'-X" Y

8'-0" B — MINIMUM CEILING HEIGHT / CEILING FINISH

A	PRIMED & PAINTED GYPSUM BOARD
B	PRIMED & PAINTED GYPSUM BOARD - MOISTURE RESISTANT
C	UNDERSIDE OF FLOOR/ROOF SYSTEM - PRIMED AND PAINTED - REFER TO STANDARDS

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. 8" SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED. THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

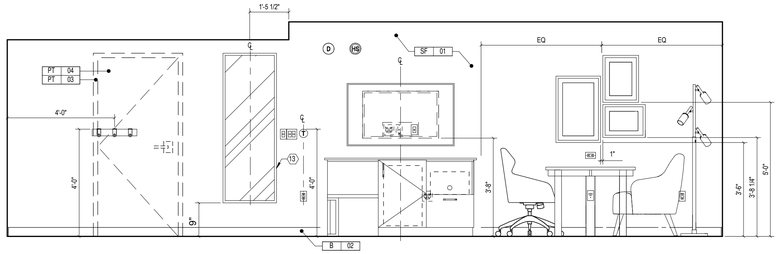
Revision	Date	Description
2	07.20.26	COORDINATION

drawn by: KKJ
checked by: FTM
project no: 25-104

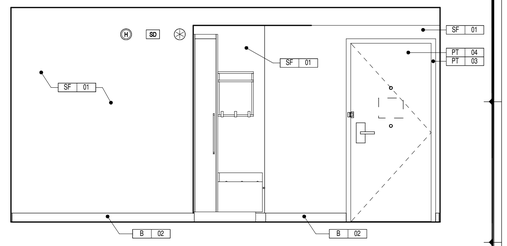
ENLARGED DOUBLE QUEEN

A404

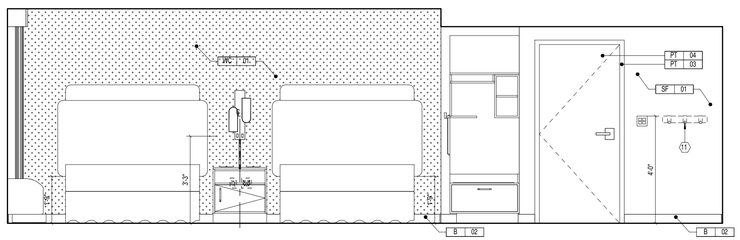
9/18/2026 10:27:36 AM



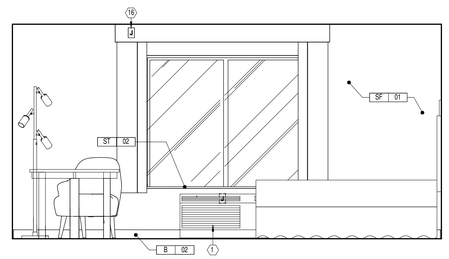
ACC DOUBLE QUEEN TV WALL ELEVATION (D)
3/8" = 1'-0"



ACC DOUBLE QUEEN BATH WALL ELEVATION (C)
3/8" = 1'-0"



ACC DOUBLE QUEEN BED WALL ELEVATION (B)
3/8" = 1'-0"



ACC DOUBLE QUEEN WINDOW WALL ELEVATION (A)
3/8" = 1'-0"

ELECTRICAL LEGEND AND SYMBOLS:

PLAN	ELEV.	
		DUPLEX RECEPTACLE
		DUPLEX RECEPTACLE W/ GFCI
		QUADPLEX RECEPTACLE
		QUADPLEX RECEPTACLE W/ GFCI
TV		TV/CABLE OUTLET
		TELEPHONE OUTLET
	DATA	CAT6 RJ45 INTERNET SOCKET
		SWITCH
T	T	WALL MOUNTED WIRELESS THERMOSTAT
J	J	WALL MOUNTED JUNCTION BOX
		EXHAUST FAN
		WALL MOUNTED WIRELESS ACCESS POINT PROVIDE 6" CLEARANCE TO ALL OTHER OUTLETS.
HS	HS	FIRE HORNS/STROBE (IN C.F. ROOMS ONLY, OMIT FIRE HORNS WHEN THESE ARE USED)
S	S	STROBE (IN C.F. ROOMS ONLY)
DB	D	DOORBELL LIGHT, (C.F. ROOMS ONLY)
H	H	FIRE HORN, STANDARD ROOMS
SD	SD	SMOKE DETECTOR
		SIDE WALL SPRINKLER HEAD
USB	USB	POWER OUTLET (DUPLEX WITH (2) QTY USB PORTS)
		DOORBELL-MOUNT AT 46" AFF TO CENTER OF BUTTON (C.F. ROOMS ONLY)

ELECTRICAL OUTLET HEIGHTS (U.N.O.)

TYPICAL WALL OUTLET	-	18" A.F.F.
BATHROOM VANITY OUTLET	-	48" A.F.F.
ACC. BATHROOM VANITY OUTLET	-	44" A.F.F.

GR-311	ENTRY WALL HOOKS
GR-312	STUDIO SUITE CANTILEVERED WALL SHELF
GR-313	STUDIO SUITE C-TABLE
GR-314	CLOSET
GR-314.ADA	ACCESSIBLE CLOSET
GR-315	STUDIO SUITE CLOSET
GR-315.ADA	ACCESSIBLE STUDIO SUITE CLOSET
GR-316	58" BATHROOM VANITY
GR-316.ADA	58" ACCESSIBLE BATHROOM VANITY
GR-317	68" BATHROOM VANITY
GR-317.ADA	68" ACCESSIBLE BATHROOM VANITY
GR-400	GUESTROOM WINDOW TREATMENT
GR-400.ADA.MA	ACCESSIBLE GUESTROOM WINDOW TREATMENT - MANUAL
GR-400.ADA.MO	ACCESSIBLE GUESTROOM WINDOW TREATMENT - MOTORIZED
GR-500	BEDROOM ARTWORK
GR-501	BATH ARTWORK
GR-502	FULL LENGTH MIRROR
GR-503	VANITY MIRROR
GR-600	KING MATTRESS SET
GR-601	QUEEN MATTRESS SET
GR-602.ADA	KING BED BASE ACCESSIBLE
GR-603.ADA	QUEEN BED BASE ACCESSIBLE
GR-604.ADA	KING ACCESSIBLE BEDSKIRT
GR-605.ADA	QUEEN ACCESSIBLE BEDSKIRT
GR-700	TELEVISION @ GUESTROOM
GR-701	TELEVISION MOUNT @ GUESTROOM
GR-702	MICROWAVE @ GUESTROOM
GR-703	REFRIGERATOR @ GUESTROOM

NOTE:

REFER TO SPECIFICATIONS FOR TILE PATTERNS. ALL TILE MUST BE INSTALLED PER MANUFACTURER'S REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, INSTALLATION PATTERNS.

FINISH LEGEND:

ACT	ACOUSTIC CEILING TILE
B	WALL BASE
CP	CARPET
M	METAL
PL	PLASTIC LAMINATE
PT	PAINT
RF	RESILIENT FLOORING
SF	SPECIAL FINISH
ST	STONE
T	TILE
WC	WALL COVERING
W	WOOD FINISH
	FIRST FULL TILE

CEILING LEGEND: X:X" Y

8'-0" B — MINIMUM CEILING HEIGHT; CEILING FINISH

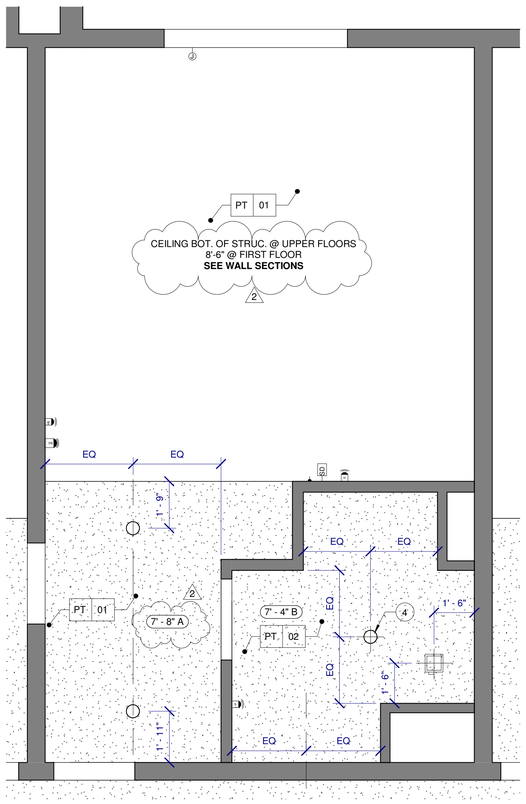
A	PRIMED & PAINTED GYPSUM BOARD
B	PRIMED & PAINTED GYPSUM BOARD - MOISTURE RESISTANT
C	UNDERSIDE OF FLOOR/ROOF SYSTEM - PRIMED AND PAINTED - REFER TO STANDARDS

KEYNOTES:

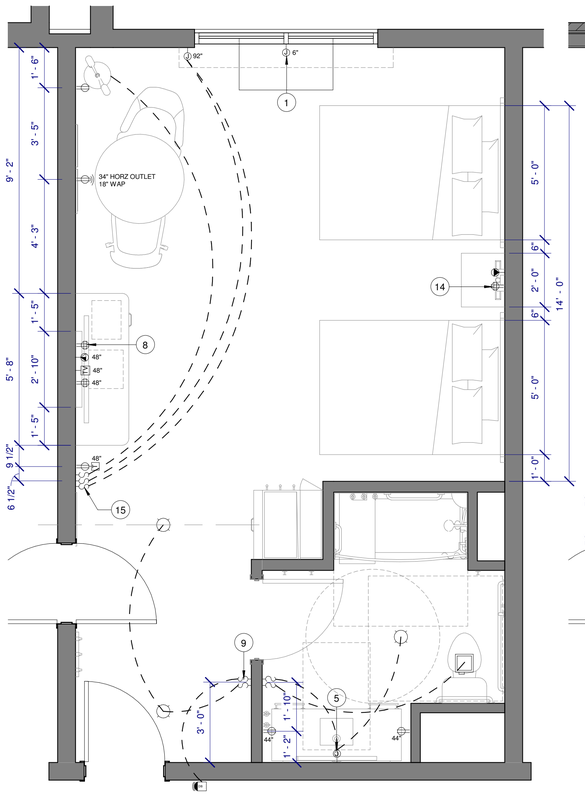
1. HARDWIRED PACKAGED TERMINAL AIR CONDITIONER (PTAC) UNIT
2. COMMUNICATING DOOR LOCATION WHEN USED.
3. EXTENDED WALL STOPS AT DOOR LOCATIONS AS NEEDED.
4. LIGHTS IN THIS AREA MUST BE DAMP LOCATION RATED AND W/ SHATTERPROOF LENSES.
5. WALL MOUNTED VANITY LIGHT - PROVIDE JUNCTION BOX, COORDINATED WITH FIXTURE.
6. SHOWER/BATH DRAIN LOCATION.
7. NO FINISHES UNDER SHOWER PAN/TUB.
8. PROVIDE DEDICATED ELECTRICAL CIRCUIT FOR EACH UNDERCOUNTER APPLIANCE.
9. DOORBELL ON/OFF SWITCH FOR COMMUNICATION FEATURE ROOMS ONLY - SIGNAGE AS REQUIRED.
10. DASHED BOXES AND CIRCLES REPRESENT ACCESSIBLE CLEAR FLOOR AREAS. REFER TO ACCESSIBILITY STANDARDS FOR MORE INFORMATION.
11. REFER TO ALTERNATE LOCATION FOR THE WALL HOOKS WHEN CONNECTING DOOR IS PRESENT.
12. PROVIDE BLOCKING AT WALLS WHERE INDICATED FOR TOILET ACCESSORIES AND FF&E.
13. MOVE MIRROR 6" AWAY WHEN CONNECTING DOOR IS PRESENT.
14. ALL OUTLETS MUST BE LOCATED DIRECTLY BEHIND THE FURNITURE. SHIFT OUTLETS ONLY AS NEEDED TO AVOID BACK-TO-BACK OUTLETS WITH THE ADJACENT ROOM. DO NOT SHIFT OUTLETS BEYOND THE EDGE OF THE FURNITURE
15. PROVIDE SWITCHES FOR OPTIONAL MOTORIZED DRAPERY IF USED IN ACCESSIBLE ROOMS

GUESTROOM FURNISHING LEGEND:

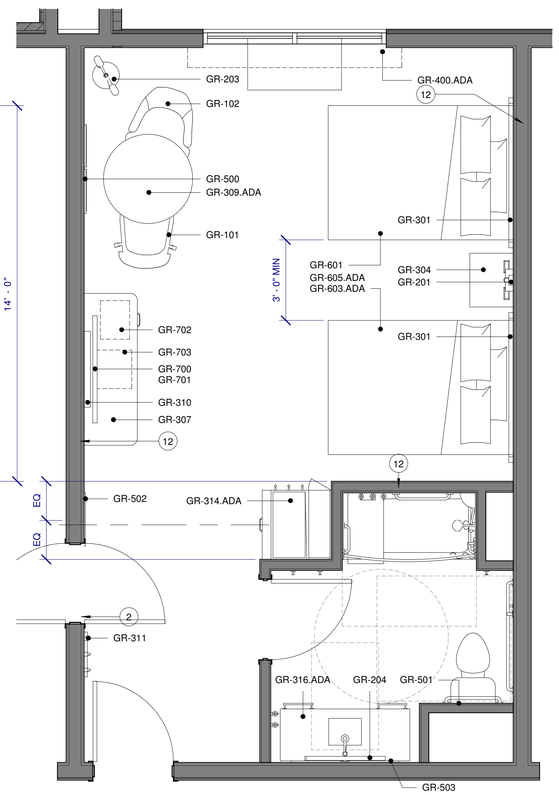
GR-100	SLEEPER SOFA
GR-101	TASK CHAIR
GR-102	LOUNGE CHAIR
GR-103	SIDE CHAIR
GR-200	KING TABLE LAMP
GR-201	QUEEN HEADBOARD SCONCE
GR-202	KING HEADBOARD SCONCE
GR-203	FLOOR LAMP
GR-204	VANITY LIGHT
GR-205	STUDIO SUITE TASK LAMP
GR-300	KING HEADBOARD
GR-301	QUEEN HEADBOARD
GR-302	KING LEFT-HAND NIGHTSTAND
GR-303	KING RIGHT-HAND NIGHTSTAND
GR-304	QUEEN NIGHTSTAND
GR-305	KING PLATFORM BED BASE
GR-306	QUEEN PLATFORM BED BASE
GR-307	HOSPITALITY UNIT
GR-308	STUDIO SUITE HOSPITALITY UNIT
GR-308.ADA	ACCESSIBLE STUDIO SUITE HOSPITALITY UNIT
GR-309	HAMPTON TABLE
GR-309.ADA	ACCESSIBLE HAMPTON TABLE
GR-310	TV PANEL



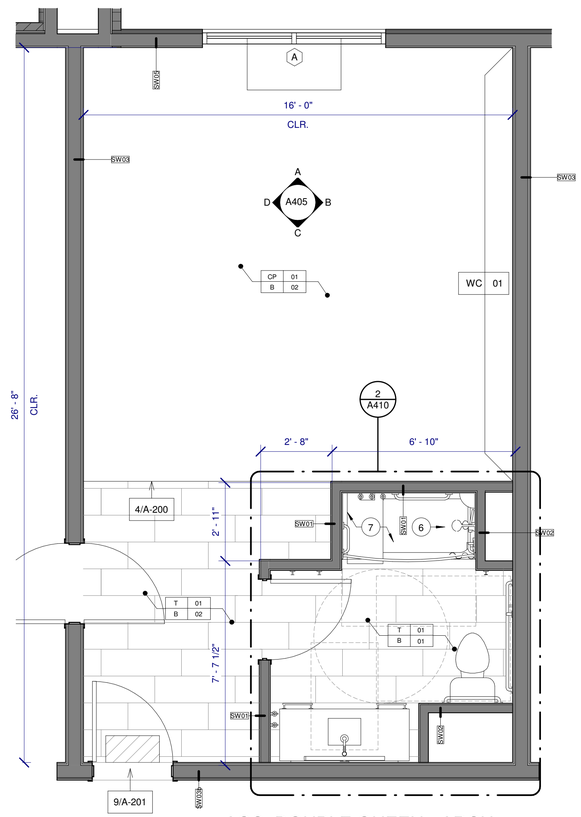
ACC. DOUBLE QUEEN - RCP (4)
3/8" = 1'-0"



ACC. DOUBLE QUEEN - ELEC (3)
3/8" = 1'-0"



ACC. DOUBLE QUEEN - FURN (2)
3/8" = 1'-0"



ACC. DOUBLE QUEEN - ARCH (1)
3/8" = 1'-0"

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY 52411 NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
2	07.20.26	COORDINATION

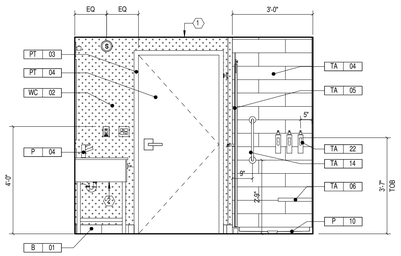
drawn by: Author
checked by: FTM
project no: 25-104

ENLARGED ACC. DOUBLE QUEEN

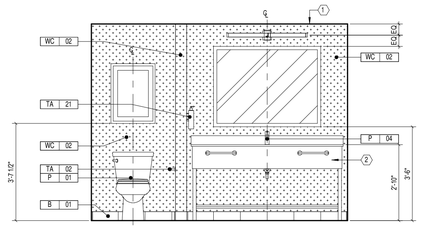
A405

9/18/2026 10:27:41 AM

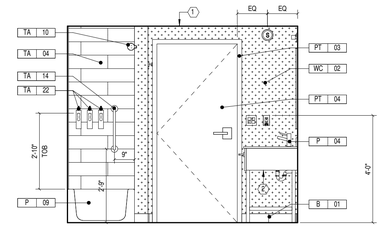
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



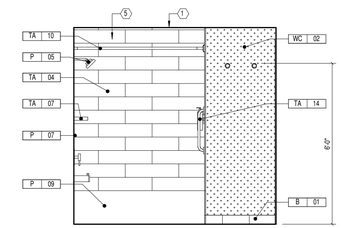
KING BATHROOM ELEVATION (H)
3/8" = 1'-0"



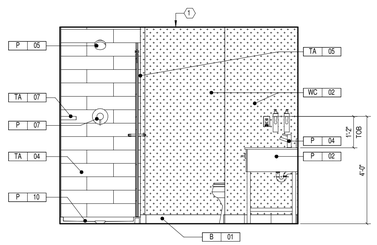
KING BATHROOM ELEVATION (G)
3/8" = 1'-0"



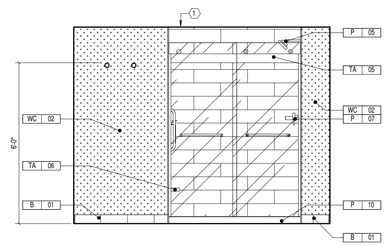
DBL. QUEEN BATHROOM ELEVATION (D)
3/8" = 1'-0"



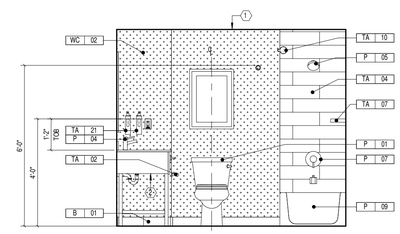
DBL. QUEEN BATHROOM ELEVATION (C)
3/8" = 1'-0"



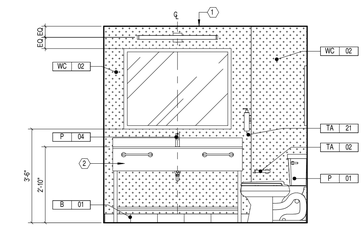
KING BATHROOM ELEVATION (F)
3/8" = 1'-0"



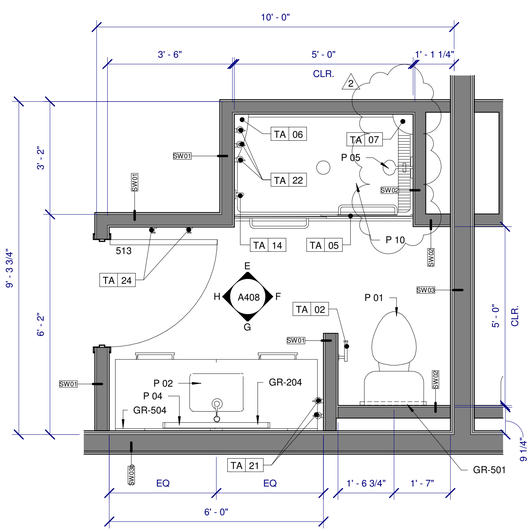
KING BATHROOM ELEVATION (E)
3/8" = 1'-0"



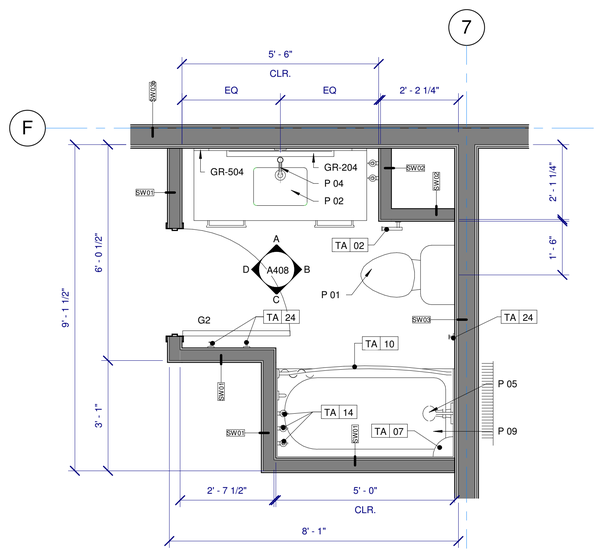
DBL. QUEEN BATHROOM ELEVATION (B)
3/8" = 1'-0"



DBL. QUEEN BATHROOM ELEVATION (A)
3/8" = 1'-0"



KING TYP. BATH PLAN (SHOWER) (2)
1/2" = 1'-0"



DOUBLE QUEEN TYP. BATH PLAN (TUB) (1)
1/2" = 1'-0"

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

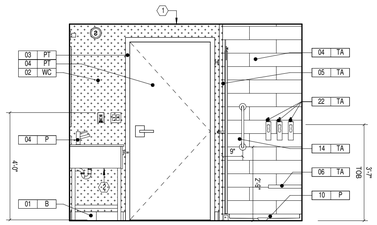
Revision	Date	Description
2	07.20.26	COORDINATION

drawn by: KKJ
checked by: FTM
project no: 25-104

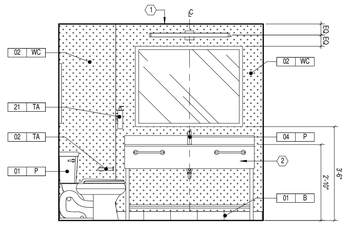
ENLARGED TYP. GUESTROOM BATHS

A408

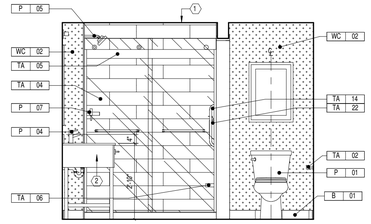
9/18/2026 10:27:45 AM



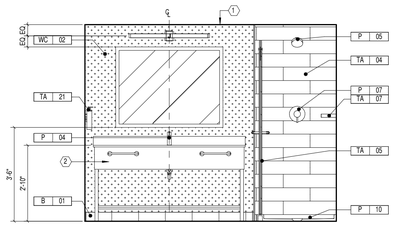
DBL. QUEEN BATH ELEVATION (J)
3/8" = 1'-0"



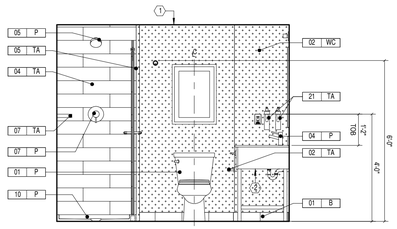
DBL. QUEEN BATH ELEVATION (H)
3/8" = 1'-0"



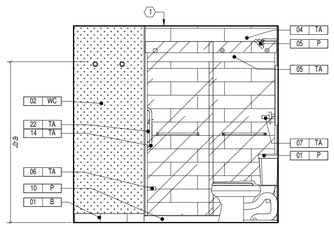
KING STUDIO SUITE BATH ELEVATION (D)
3/8" = 1'-0"



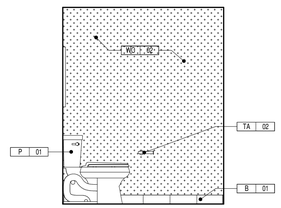
KING STUDIO SUITE BATH ELEVATION (C)
3/8" = 1'-0"



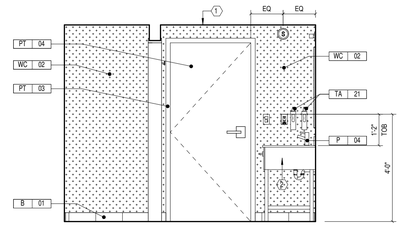
DBL. QUEEN BATH ELEVATION (G)
3/8" = 1'-0"



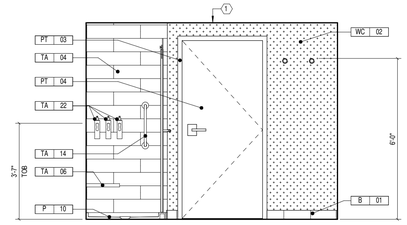
DBL. QUEEN BATH ELEVATION (F)
3/8" = 1'-0"



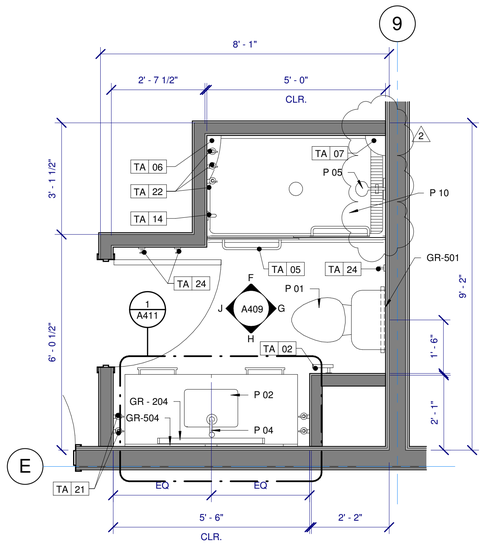
KING STUDIO SUITE BATH ELEVATION (E)
3/8" = 1'-0"



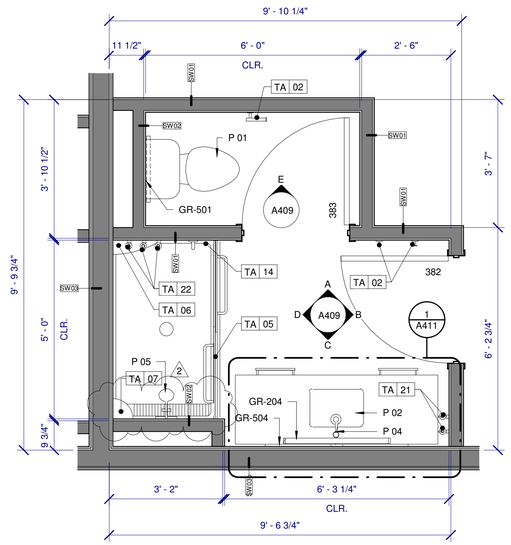
KING STUDIO SUITE BATH ELEVATION (B)
3/8" = 1'-0"



KING STUDIO SUITE BATH ELEVATION (A)
3/8" = 1'-0"



DOUBLE QUEEN TYP. BATH PLAN (SHOWER) (2)
1/2" = 1'-0"



KING STUDIO SUITE - TYP. BATH PLAN (SHOWER) (1)
1/2" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
2	07:20:26	COORDINATION

drawn by: KKJ

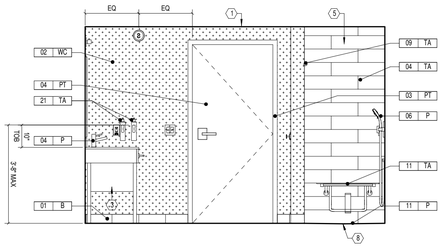
checked by: FTM

project no: 25-104

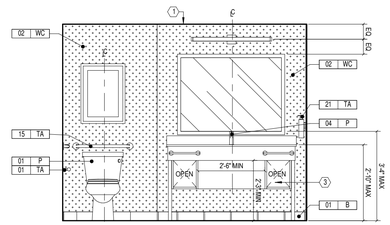
ENLARGED TYP. GUESTROOM BATHS

A409

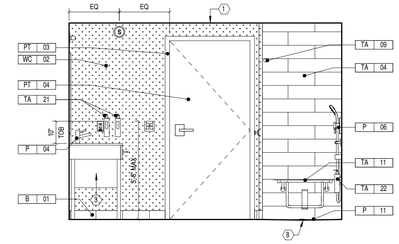
9/18/2026 10:27:50 AM



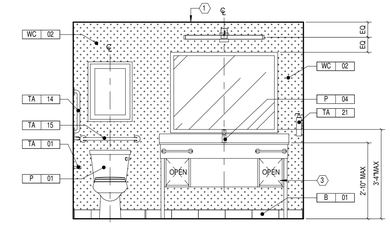
ACC. KING STUDIO SUITE BATH ELEVATION (H)
3/8" = 1'-0"



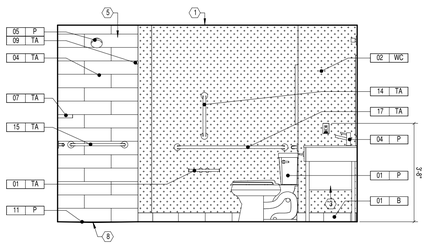
ACC. KING STUDIO SUITE BATH ELEVATION (G)
3/8" = 1'-0"



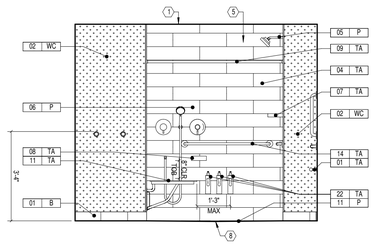
ACC. DBL./KING BATH ELEVATION (D)
3/8" = 1'-0"



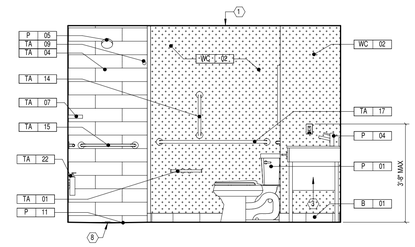
ACC. DBL./KING BATH ELEVATION (C)
3/8" = 1'-0"



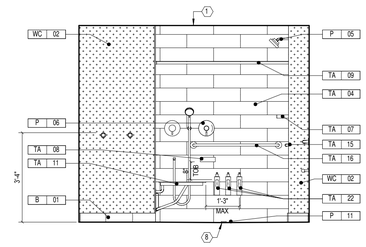
ACC. KING STUDIO SUITE BATH ELEVATION (F)
3/8" = 1'-0"



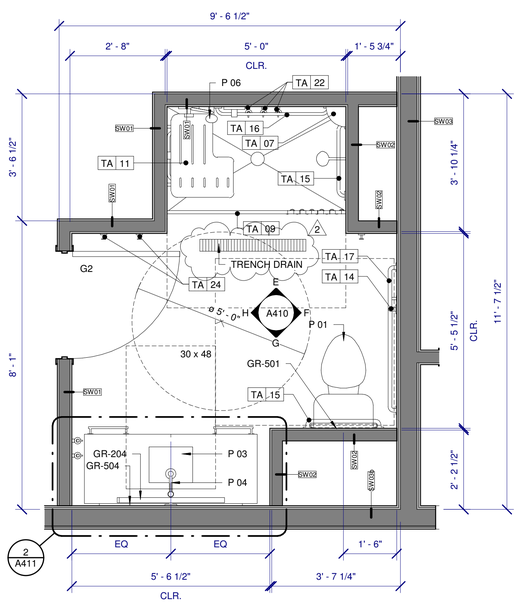
ACC. KING STUDIO SUITE BATH ELEVATION (E)
3/8" = 1'-0"



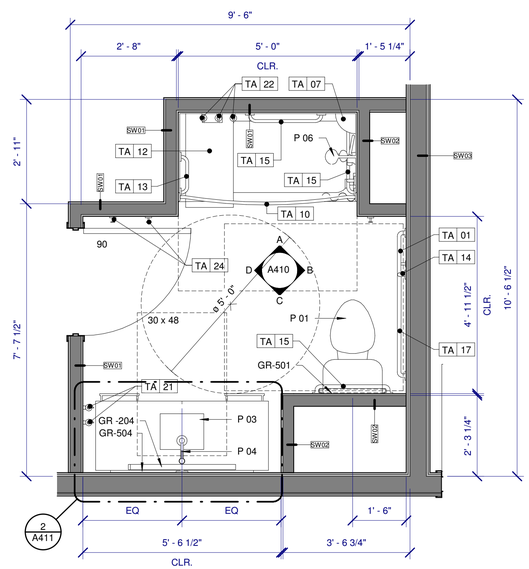
ACC. DBL./KING BATH ELEVATION (B)
3/8" = 1'-0"



ACC. DBL./KING BATH ELEVATION (A)
3/8" = 1'-0"



ACC. KING STUDIO SUITE TYP. BATH PLAN (SHOWER) (1)
1/2" = 1'-0"



ACC. DOUBLE QUEEN/KING TYP. BATH PLAN (TUB) (2)
1/2" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
2	07.20.26	COORDINATION

drawn by: KKJ

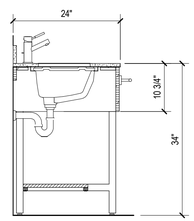
checked by: FTM

project no: 25-104

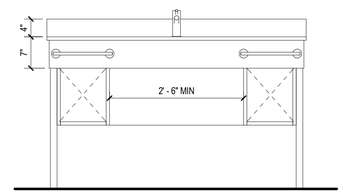
ENLARGED ACC. GUESTROOM BATHS

A410

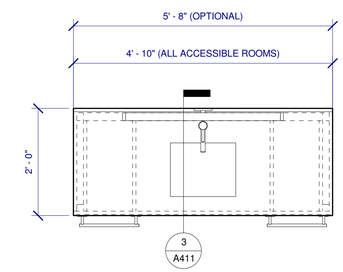
9/18/2026 10:27:54 AM



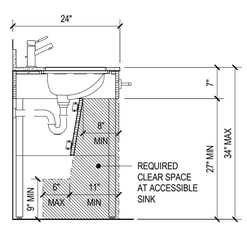
TYP. BATHROOM - VANITY DETAIL (4)
3/4" = 1'-0"



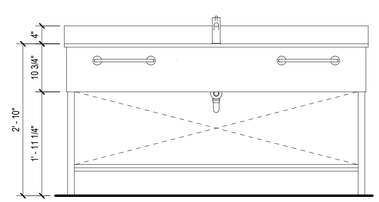
TYP. GUEST VANITY ELEVATION (B)
3/4" = 1'-0"



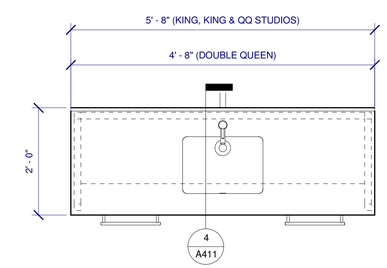
TYP. GUEST VANITY PLAN (2)
3/4" = 1'-0"



ACCESSIBLE VANITY DETAIL (3)
3/4" = 1'-0"



TYP ACC. GUEST VANITY ELEVATION (A)
3/4" = 1'-0"



TYP ACC. GUEST VANITY PLAN (1)
3/4" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

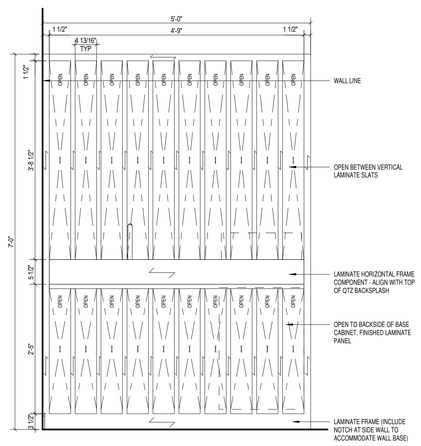
drawn by: KKJ
checked by: FTM
project no: 25-104

GUESTROOM BATHROOM VANITY DETAILS

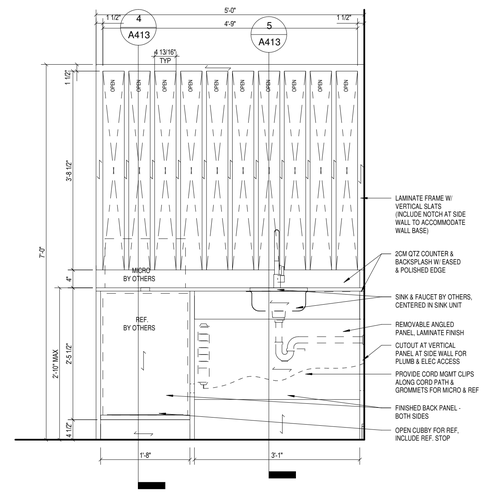
A411

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

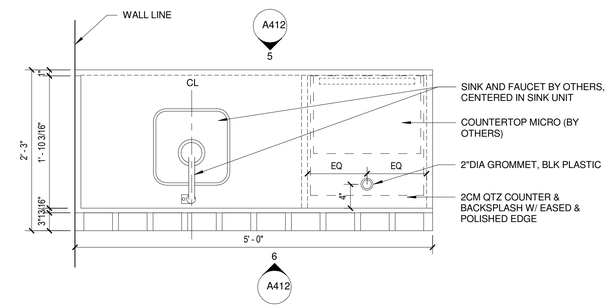
9/18/2026 10:27:57 AM



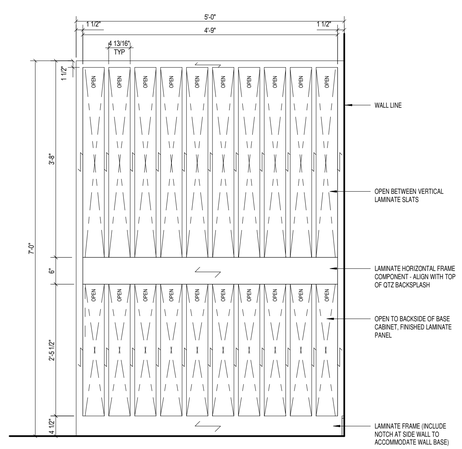
STUDIO SUITE HOSPITALITY UNIT - ACCESSOBLE UNIT ELEVATION (6)
3/4" = 1'-0"



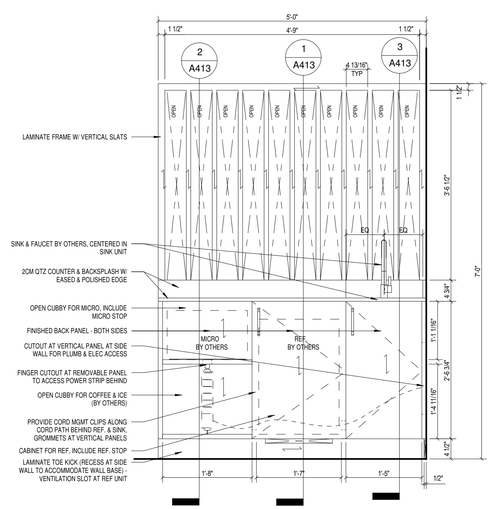
STUDIO SUITE HOSPITALITY UNIT - ACCESSOBLE UNIT ELEVATION (5)
3/4" = 1'-0"



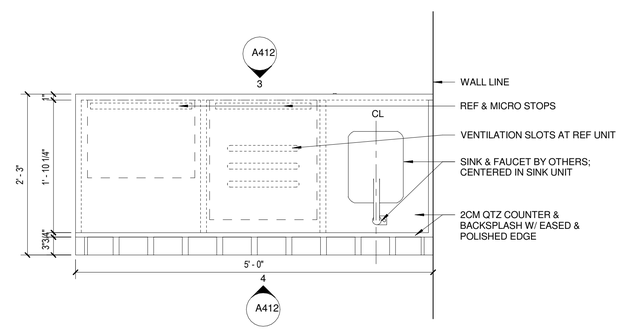
ACCESSIBLE KITCHEN UNIT PLAN (2)
1" = 1'-0"



STUDIO SUITE HOSPITALITY UNIT - STANDARD UNIT ELEVATION (4)
3/4" = 1'-0"



STUDIO SUITE HOSPITALITY UNIT - STANDARD UNIT ELEVATION (3)
3/4" = 1'-0"



STANDARD KITCHEN UNIT (1)
1" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

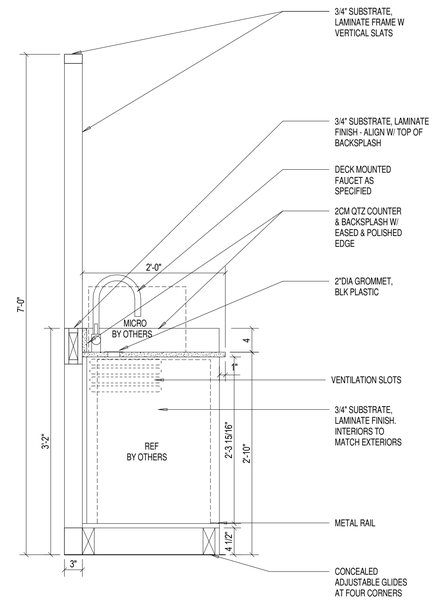
Revision	Date	Description

drawn by: KKJ
checked by: FTM
project no: 25-104

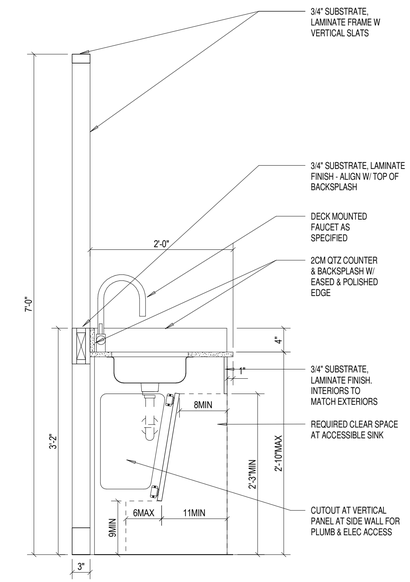
GUESTROOM STUDIO SUITE DETAILS

A412

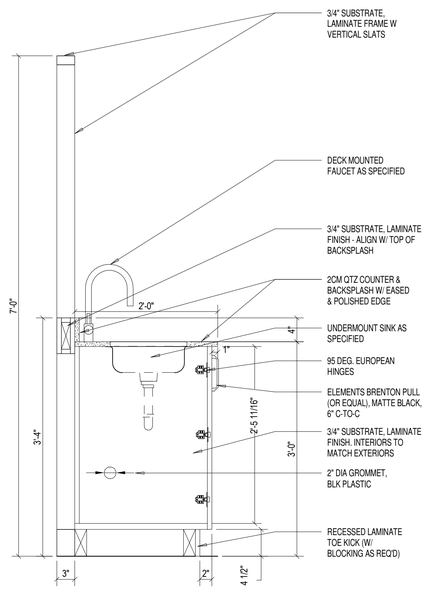
9/18/2026 10:27:59 AM



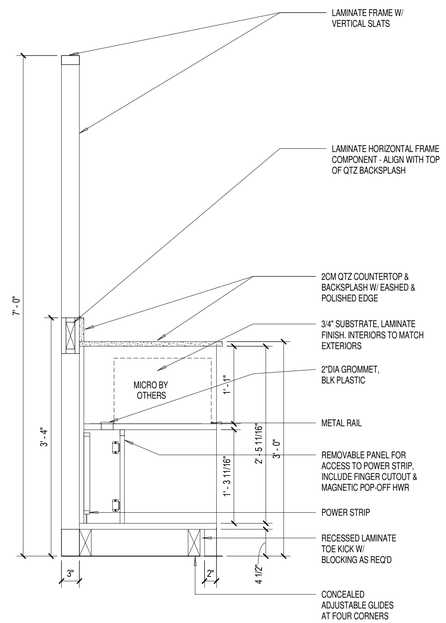
MILLWORK - STUDIO SUITE
HOSPITALITY UNIT - ACCESSOBLE
UNIT SECTION 'A' 5
1" = 1'-0"



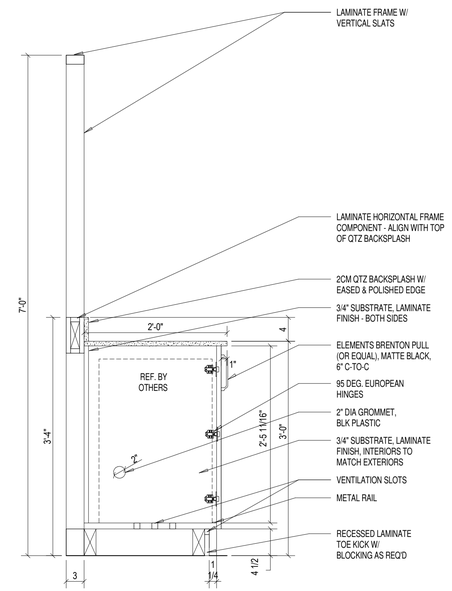
MILLWORK - STUDIO SUITE
HOSPITALITY UNIT - ACCESSOBLE
UNIT SECTION 'B' 4
1" = 1'-0"



MILLWORK - STUDIO SUITE
HOSPITALITY UNIT - STANDARD
UNIT SECTION 'A' 3
1" = 1'-0"



MILLWORK - STUDIO SUITE
HOSPITALITY UNIT - STANDARD
UNIT SECTION 'C' 2
1" = 1'-0"



MILLWORK - STUDIO SUITE
HOSPITALITY UNIT - STANDARD
UNIT SECTION 'B' 1
1" = 1'-0"

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

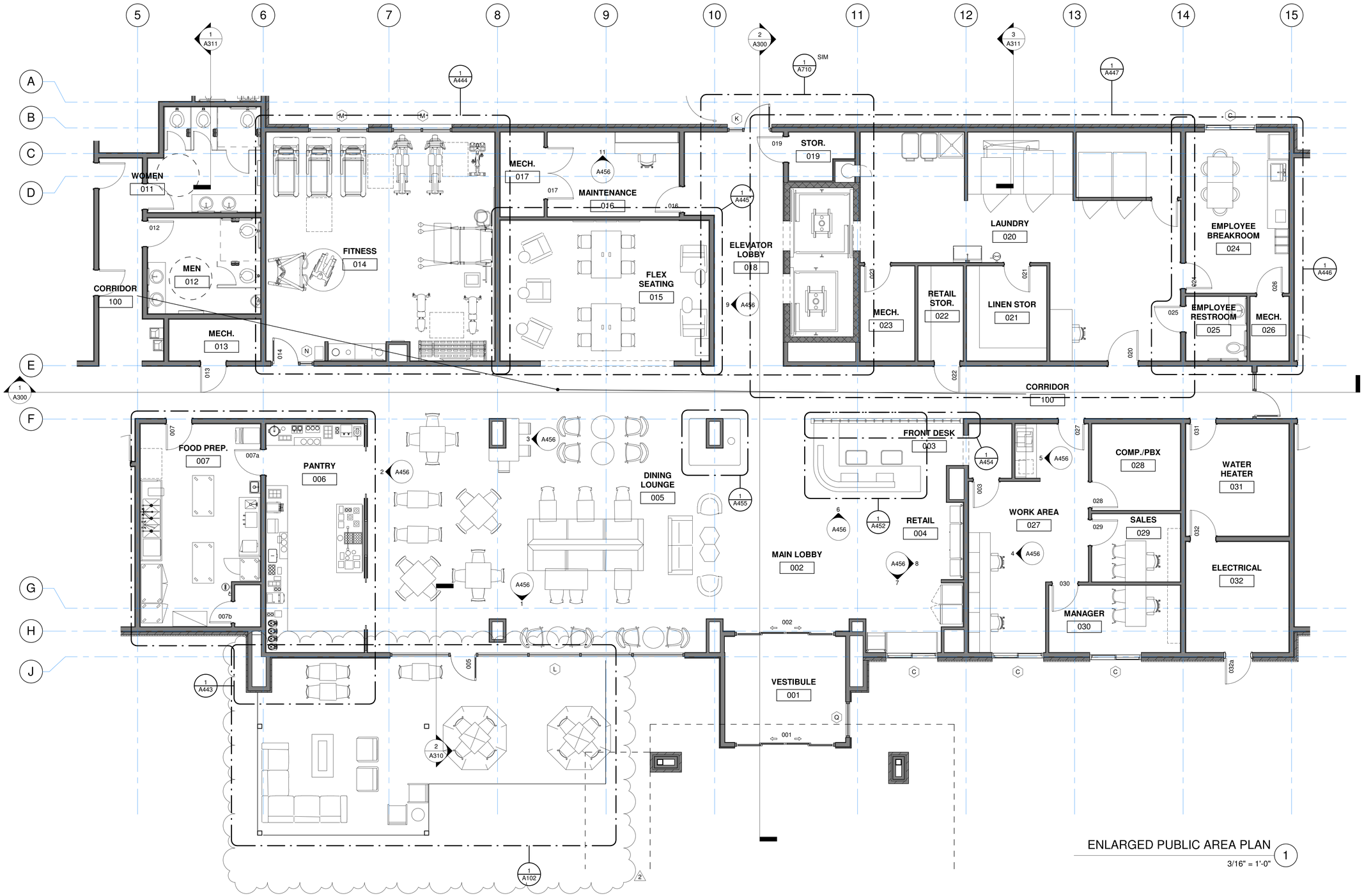
Revision	Date	Description

drawn by: KKJ
checked by: FTM
project no: 25-104

GUESTROOM STUDIO SUITE DETAILS

A413

9/18/2026 10:28:02 AM



ENLARGED PUBLIC AREA PLAN (1)

3/16" = 1'-0"

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY 52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
2	07.20.26	COORDINATION

drawn by: KKJ

checked by: FTM

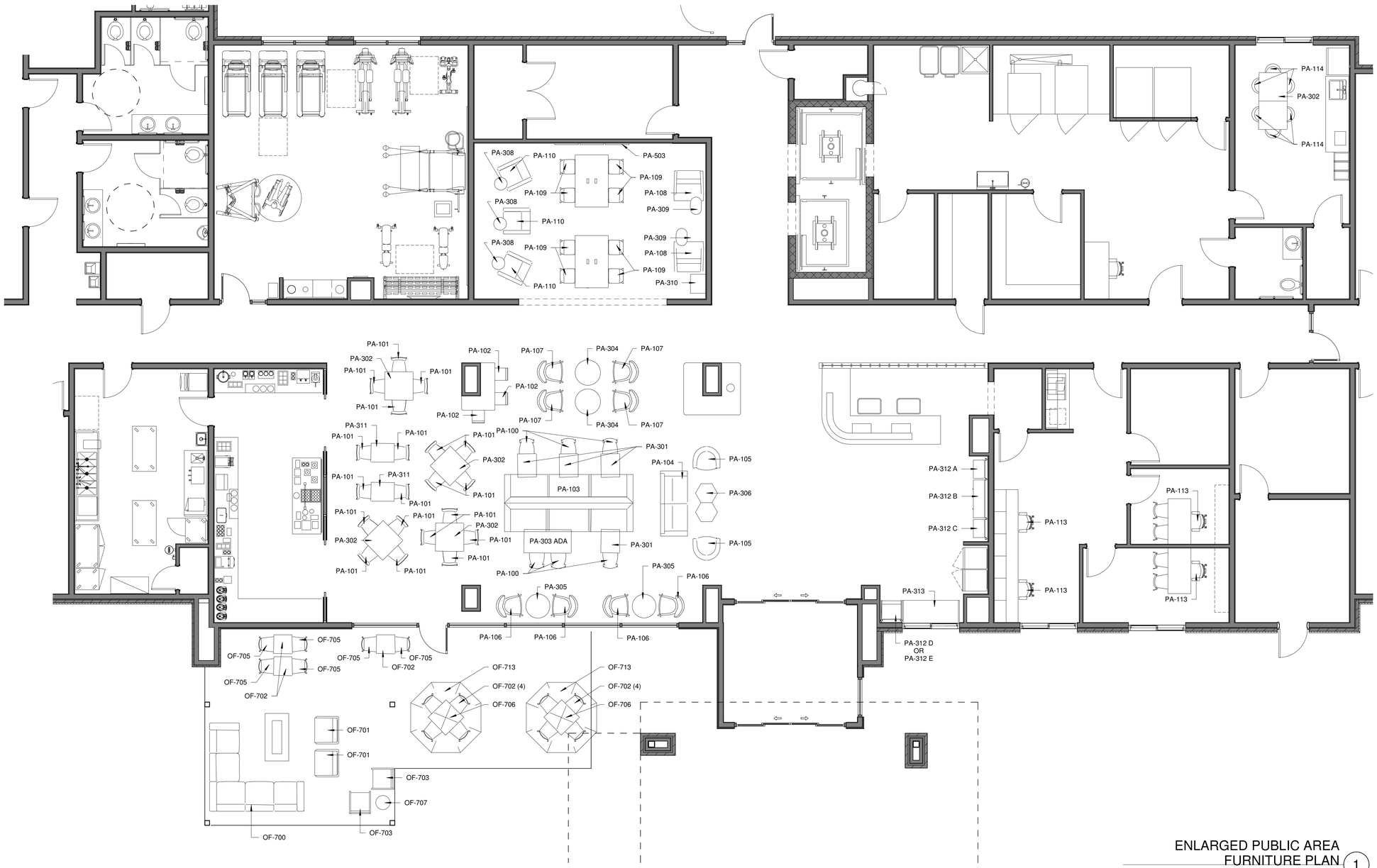
project no: 25-104

ENLARGED PUBLIC AREA

A440

9/18/2026 10:28:08 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



ENLARGED PUBLIC AREA
FURNITURE PLAN (1)
3/16" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by:
Author

checked by:
Checker

project no:
25-104

ENLARGED LOBBY
FURNITURE

A441

9/18/2026 10:28:13 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

ENLARGED LOBBY - RCP (1)

3/16" = 1'-0"

CEILING LEGEND

CEILING HEIGHT

X'-X" Y — CEILING FINISH

FINISH	DESCRIPTION
A	PRIMED AND PAINTED GYPSUM BOARD
B	PRIMED AND PAINTED GYPSUM BOARD - MOISTURE RESISTANT
C	UNDERSIDE OF FLOOR/ ROOF SYSTEM - PRIMED AND PAINTED; REFER TO STANDARDS
D	2x2 LAY IN ACOUSTIC CEILING TILE
E	2x4 LAY IN ACOUSTIC CEILING TILE
F	2x2 LAY IN ACOUSTIC CEILING TILE - VINYL CLAD / WASHABLE
G	2x4 LAY IN ACOUSTIC CEILING TILE - VINYL CLAD / WASHABLE
H	EIFS
J	WOOD PANEL

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: KKJ

checked by: FTM

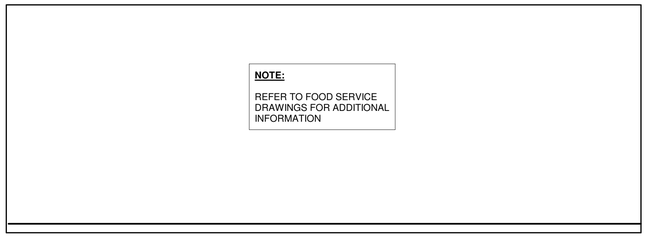
project no: 25-104

ENLARGED LOBBY RCP

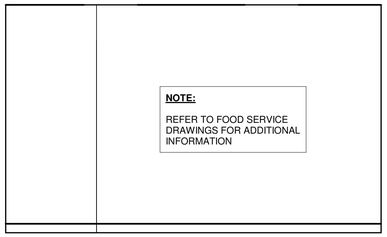
A442

9/18/2026 10:28:18 AM

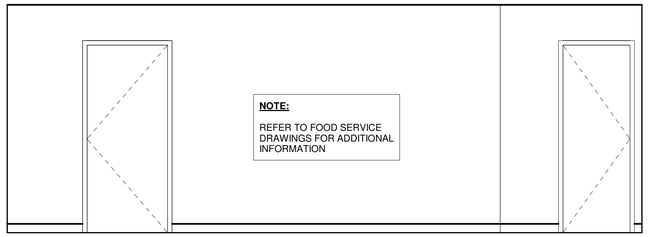
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



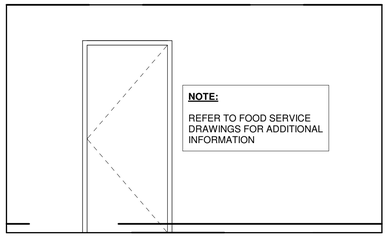
FOOD PREP ELEVATION (H)
3/8" = 1'-0"



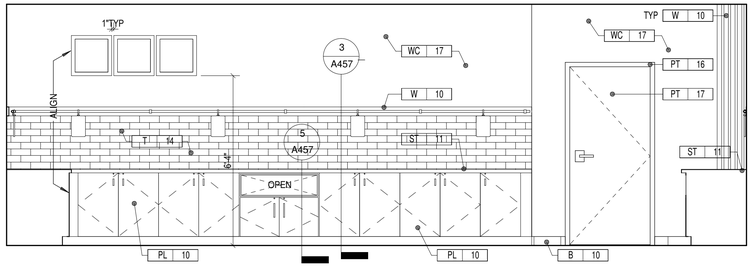
FOOD PREP ELEVATION (G)
3/8" = 1'-0"



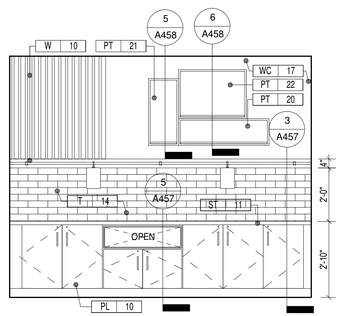
FOOD PREP ELEVATION (F)
3/8" = 1'-0"



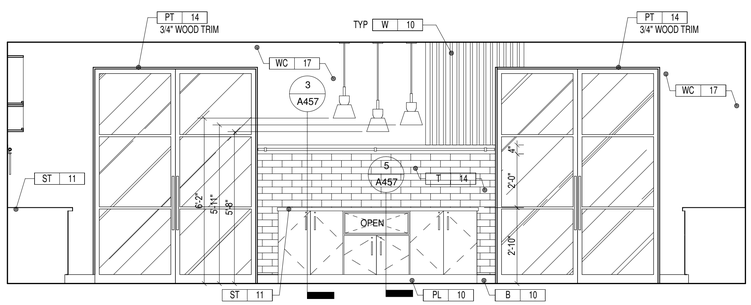
FOOD PREP ELEVATION (E)
3/8" = 1'-0"



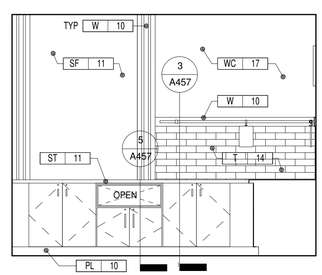
PANTRY ELEVATION (D)
3/8" = 1'-0"



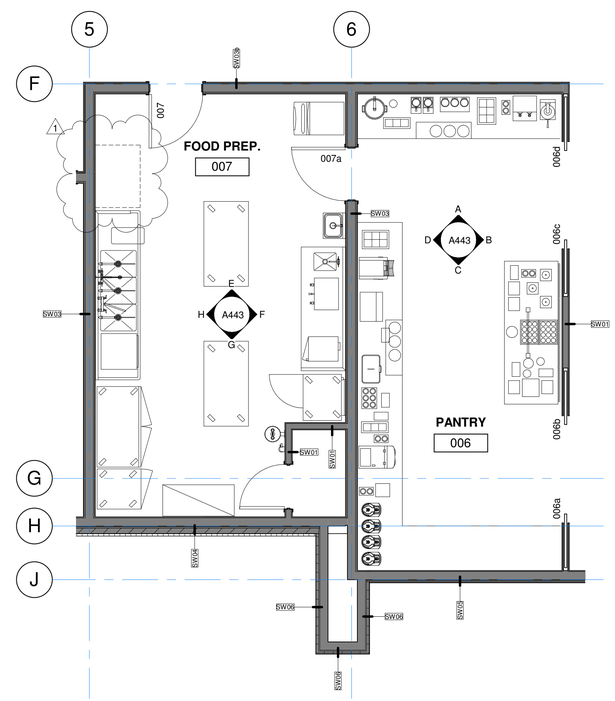
PANTRY ELEVATION (C)
3/8" = 1'-0"



PANTRY ELEVATION (B)
3/8" = 1'-0"



PANTRY ELEVATION (A)
3/8" = 1'-0"



ENLARGED PANTRY (1)
1/4" = 1'-0"

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

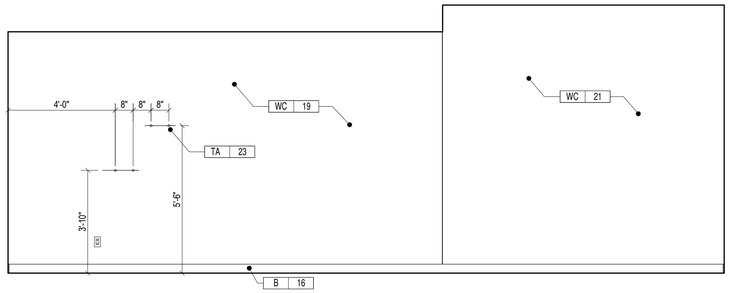
Revision	Date	Description
1	04.16.26	HILTON COMMENTS

drawn by: KKJ
checked by: FTM
project no: 25-104

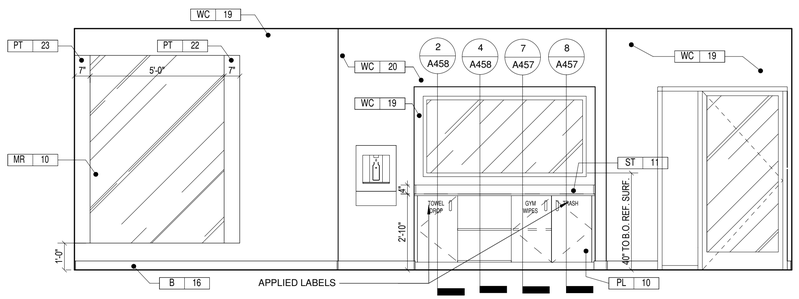
ENLARGED PANTRY

A443

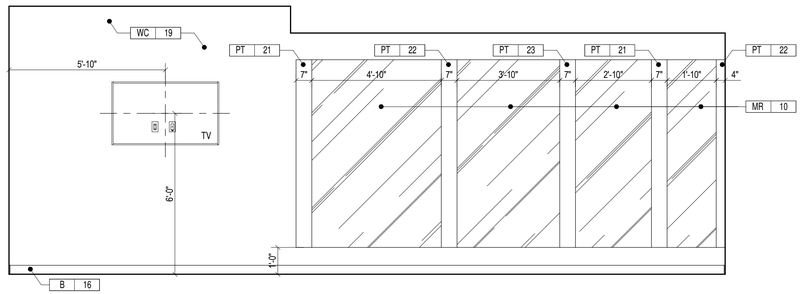
9/18/2026 10:28:23 AM



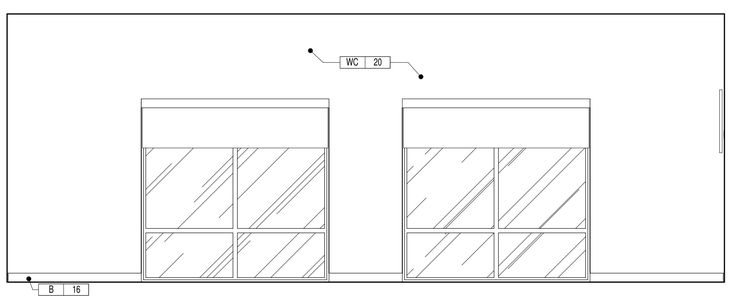
FINTNESS CENTER ELEVATION (D)
3/8" = 1'-0"



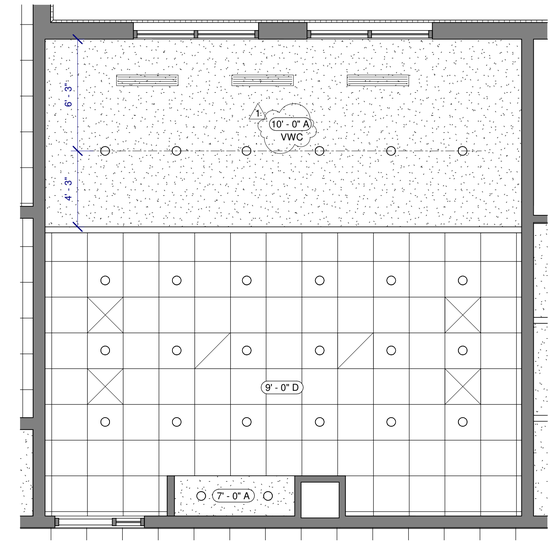
FINTNESS CENTER ELEVATION (C)
3/8" = 1'-0"



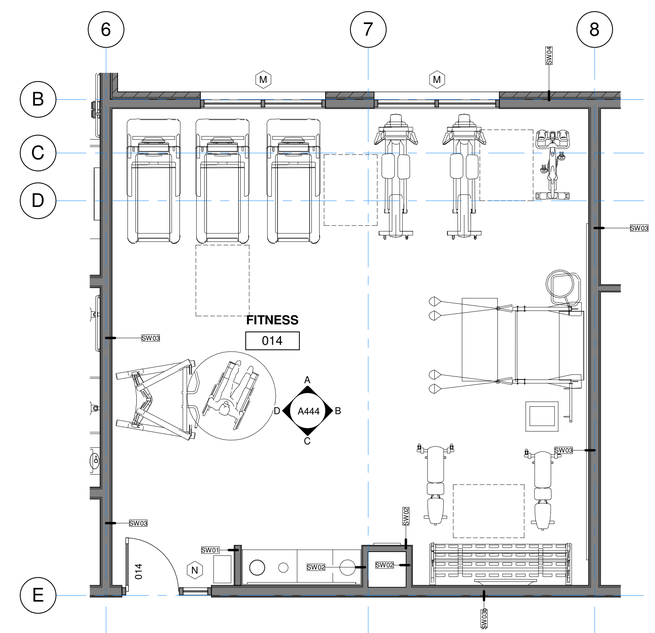
FINTNESS CENTER ELEVATION (B)
3/8" = 1'-0"



FINTNESS CENTER ELEVATION (A)
3/8" = 1'-0"



FITNESS - RCP (2)
1/4" = 1'-0"



ENLARGED FITNESS PLAN (1)
1/4" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
1	04.16.26	HILTON COMMENTS

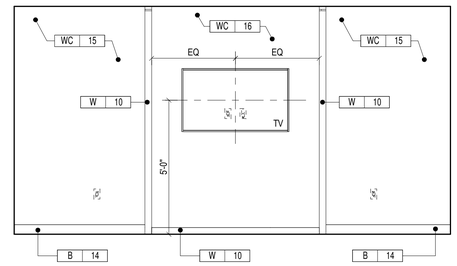
drawn by: KKJ
checked by: FTM
project no: 25-104

ENLARGED FITNESS

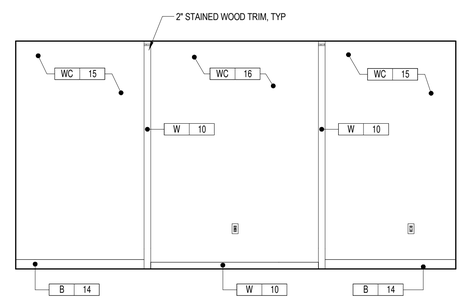
A444

9/18/2026 10:28:27 AM

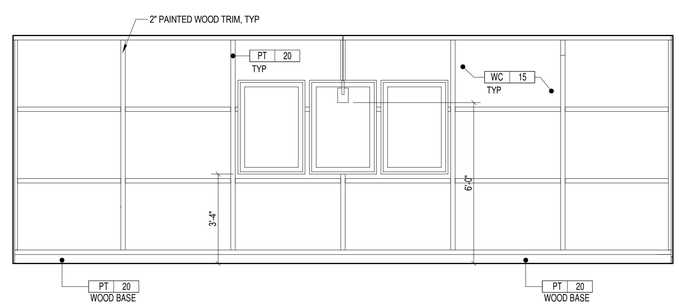
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



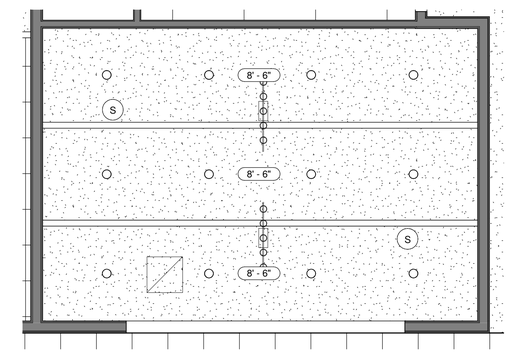
FLEX SEATING ELEVATION (C)
3/8" = 1'-0"



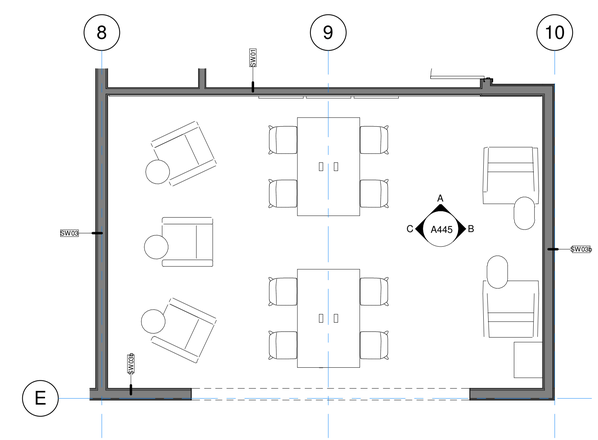
FLEX SEATING ELEVATION (B)
3/8" = 1'-0"



FLEX SEATING ELEVATION (A)
3/8" = 1'-0"



FLEX ROOM - RCP (2)
1/4" = 1'-0"



ENLARGED FLEX ROOM PLAN (1)
1/4" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
RESPECTED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by:
KKJ

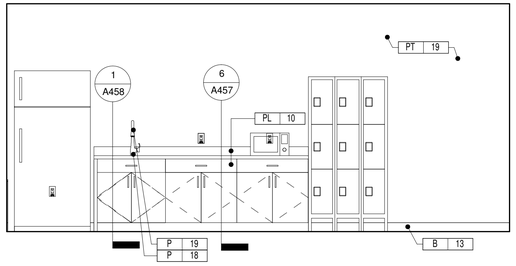
checked by:
FTM

project no:
25-104

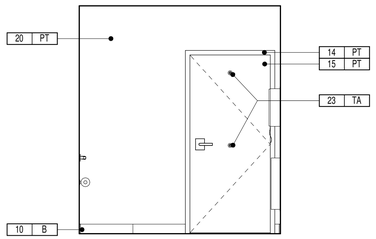
ENLARGED FLEX ROOM

A445

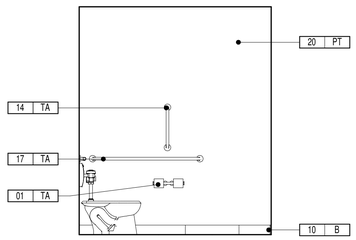
9/18/2026 10:28:30 AM



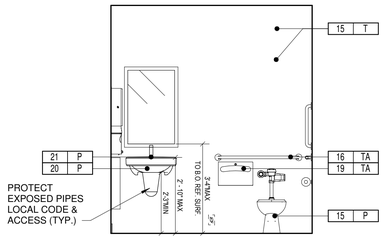
CENTER LOADED - EMPLOYEE BREAK ROOM ELEVATION (E)
3/8" = 1'-0"



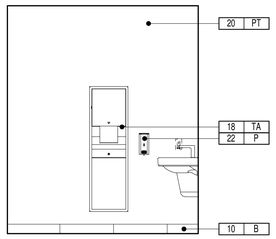
EMPLOYEE RR ELEVATION 'C' (D)
3/8" = 1'-0"



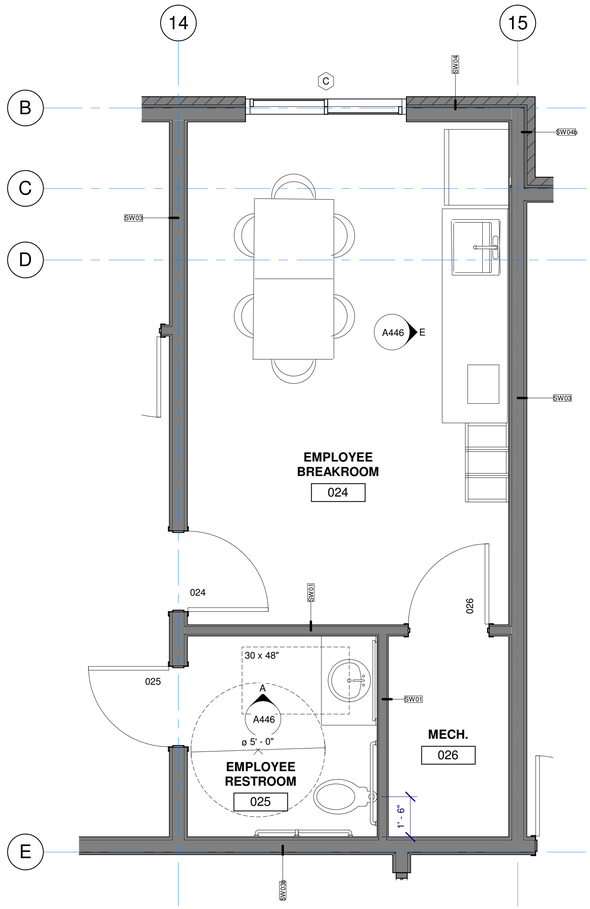
EMPLOYEE RR ELEVATION 'D' (C)
3/8" = 1'-0"



EMPLOYEE RR ELEVATION 'A' (B)
3/8" = 1'-0"



EMPLOYEE RR ELEVATION 'B' (A)
3/8" = 1'-0"



ENLARGED EMPLOYEE BREAK RM. (1)
3/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

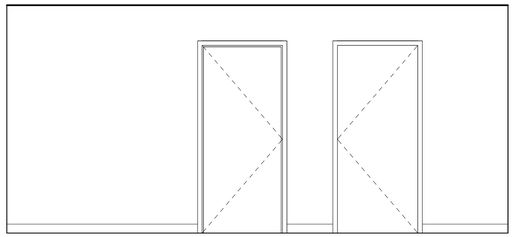
drawn by: KKJ
checked by: FTM
project no: 25-104

ENLARGED EMPLOYEE BREAK ROOM

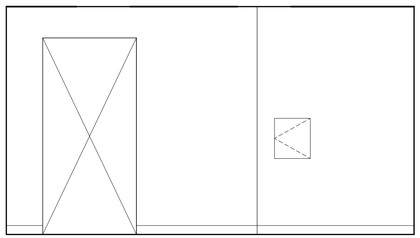
A446

9/18/2026 10:28:33 AM

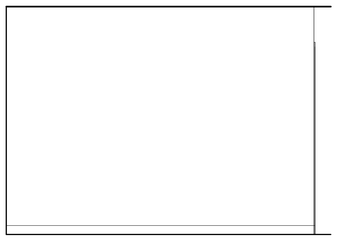
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



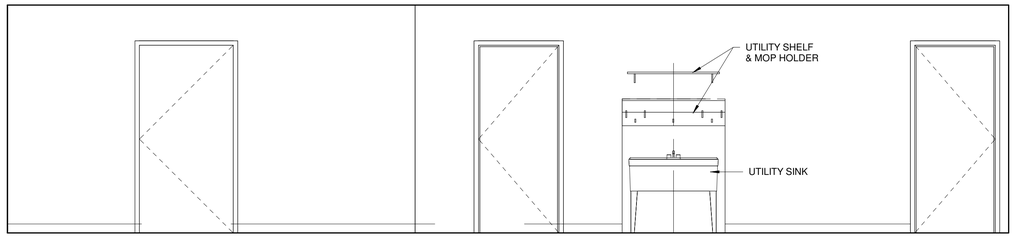
LAUNDRY ELEVATION (E)
3/8" = 1'-0"



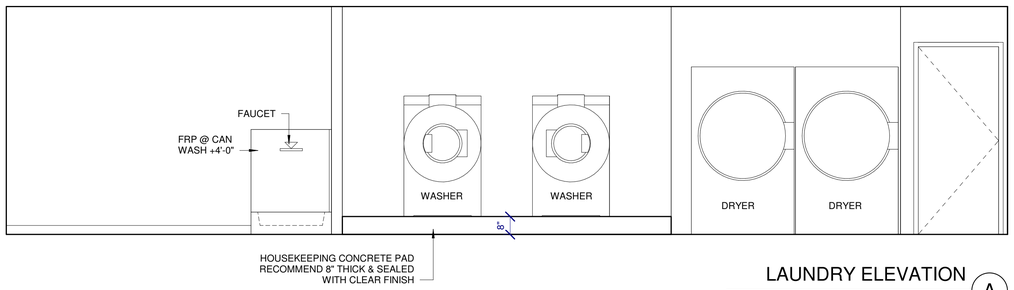
LAUNDRY ELEVATION (D)
3/8" = 1'-0"



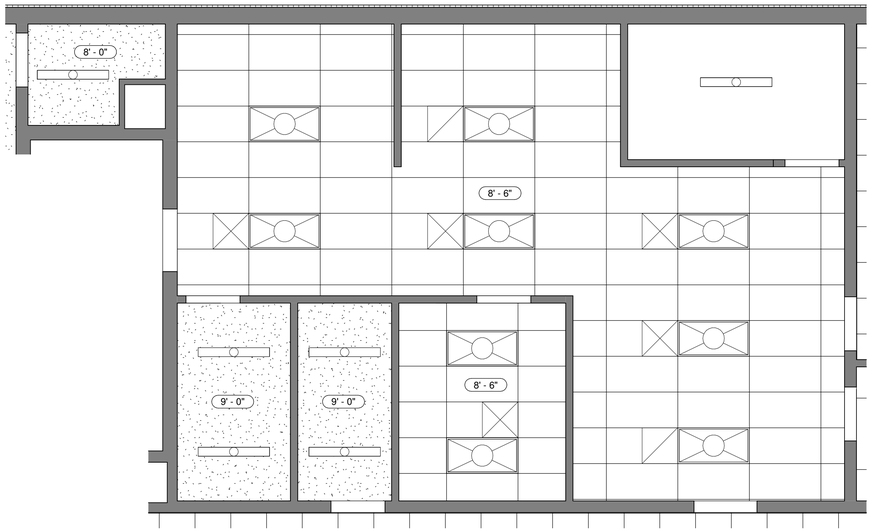
LAUNDRY ELEVATION (C)
3/8" = 1'-0"



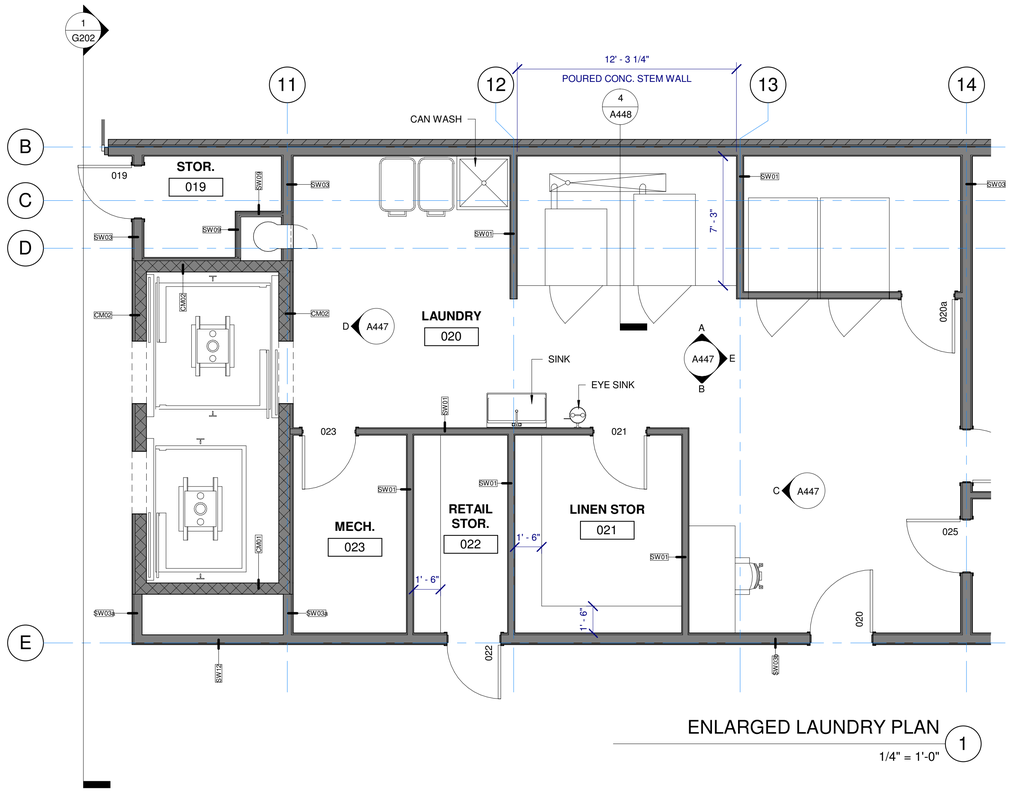
LAUNDRY ELEVATION (B)
3/8" = 1'-0"



LAUNDRY ELEVATION (A)
3/8" = 1'-0"



LAUNDRY - RCP (2)
1/4" = 1'-0"



ENLARGED LAUNDRY PLAN (1)
1/4" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

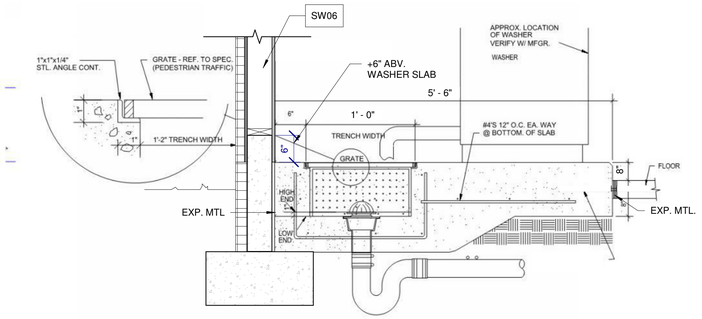
drawn by: KKJ
checked by: FTM
project no: 25-104

ENLARGED LAUNDRY

A447

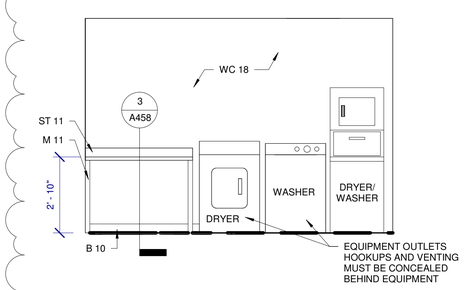
9/18/2026 10:28:38 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

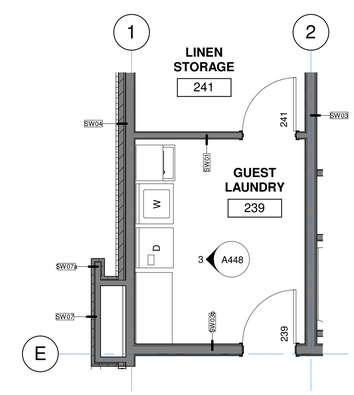


4 WASHER DRAIN DETAIL
1" = 1'-0"

2



GUEST LAUNDRY ELEVATION 3
3/8" = 1'-0"



ENLARGED GUEST LAUNDRY 1
1/4" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
2	07.20.26	COORDINATION

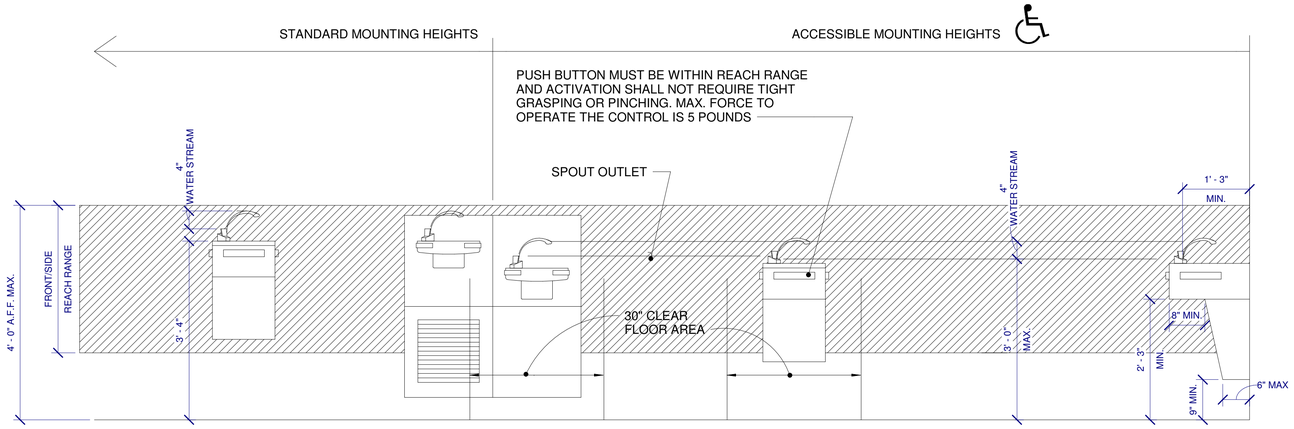
drawn by: KKJ
checked by: FTM
project no: 25-104

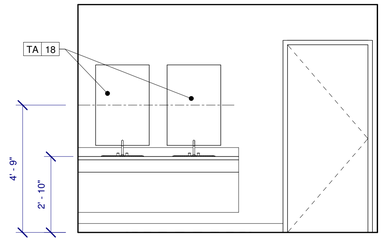
ENLARGED GUEST LAUNDRY

A448

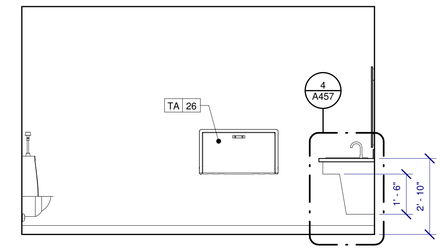
9/18/2026 10:28:41 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

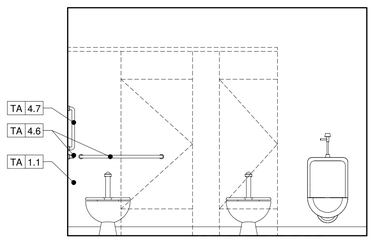




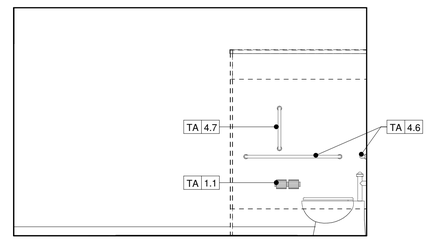
ELEVATION H
3/8" = 1'-0"



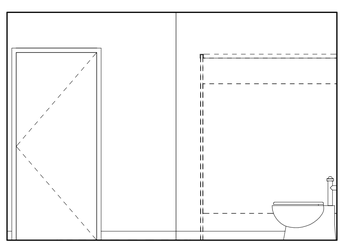
ELEVATION G
3/8" = 1'-0"



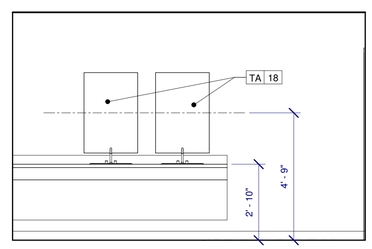
ELEVATION F
3/8" = 1'-0"



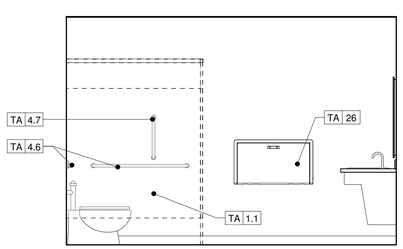
ELEVATION E
3/8" = 1'-0"



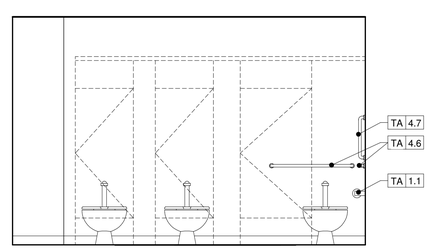
ELEVATION D
3/8" = 1'-0"



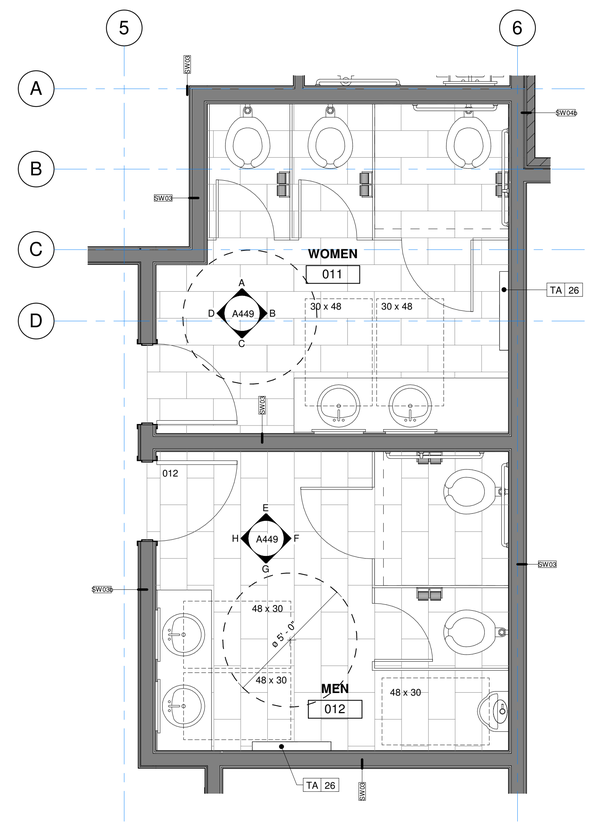
ELEVATION C
3/8" = 1'-0"



ELEVATION B
3/8" = 1'-0"



ELEVATION A
3/8" = 1'-0"



ENLARGED PUBLIC RESTROOM
3/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

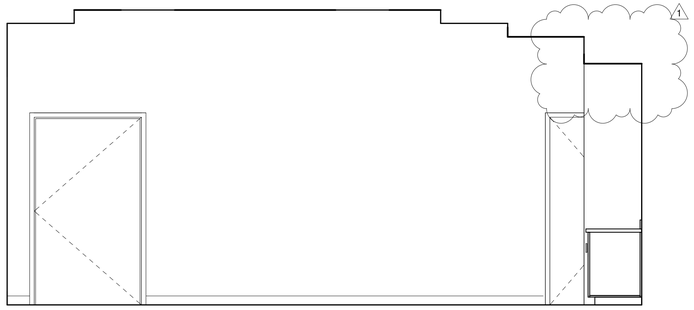
drawn by: KKJ
checked by: FTM
project no: 25-104

ENLARGED PUBLIC RESTROOMS

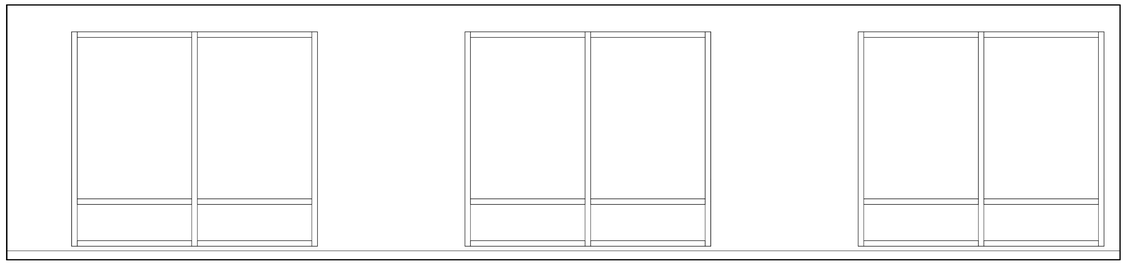
A449

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

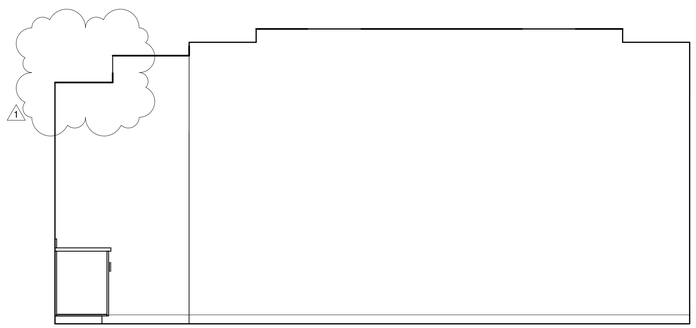
9/18/2026 10:28:48 AM



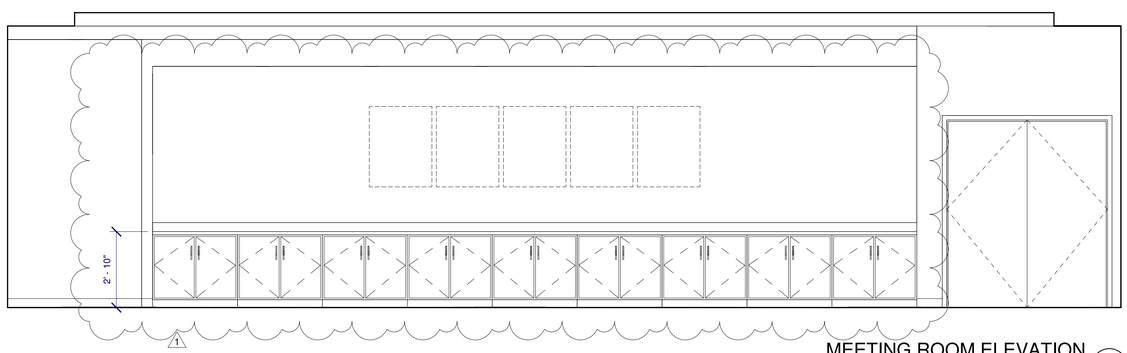
MEETING ROOM ELEVATION (D)
3/8" = 1'-0"



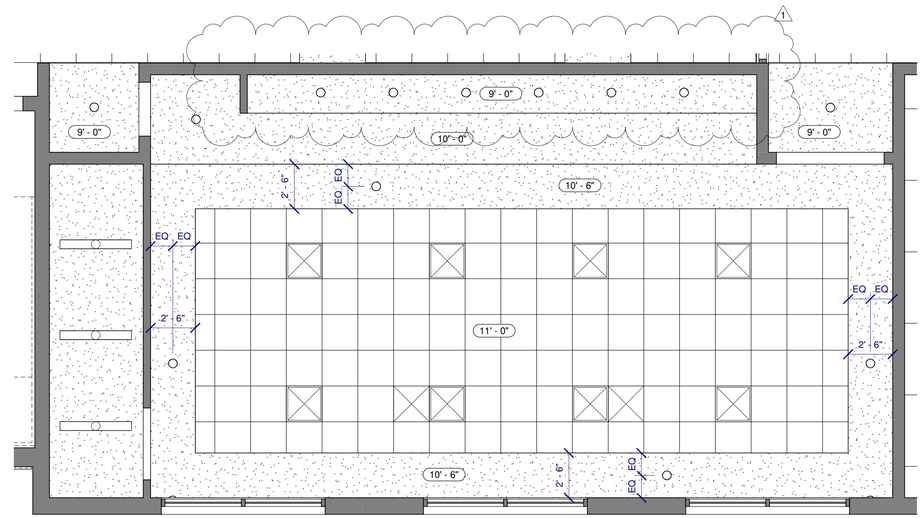
MEETING ROOM ELEVATION (C)
3/8" = 1'-0"



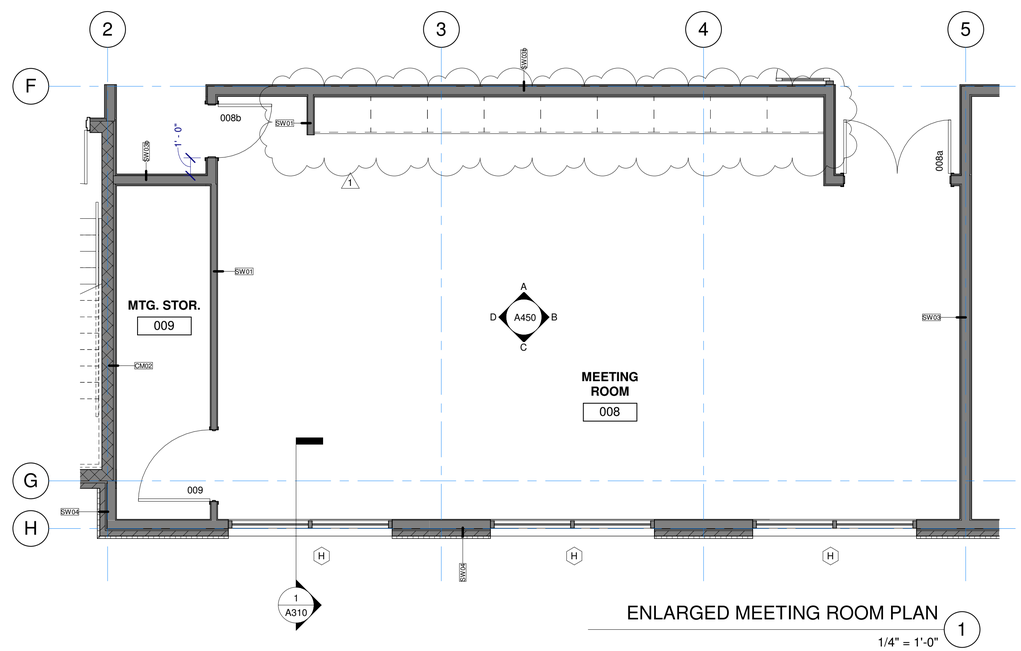
MEETING ROOM ELEVATION (B)
3/8" = 1'-0"



MEETING ROOM ELEVATION (A)
3/8" = 1'-0"



MEETING ROOM - RCP (2)
1/4" = 1'-0"



ENLARGED MEETING ROOM PLAN (1)
1/4" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
1	04.16.26	HILTON COMMENTS

drawn by:
Author

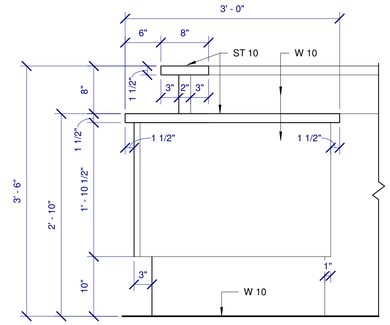
checked by:
Checker

project no:
25-104

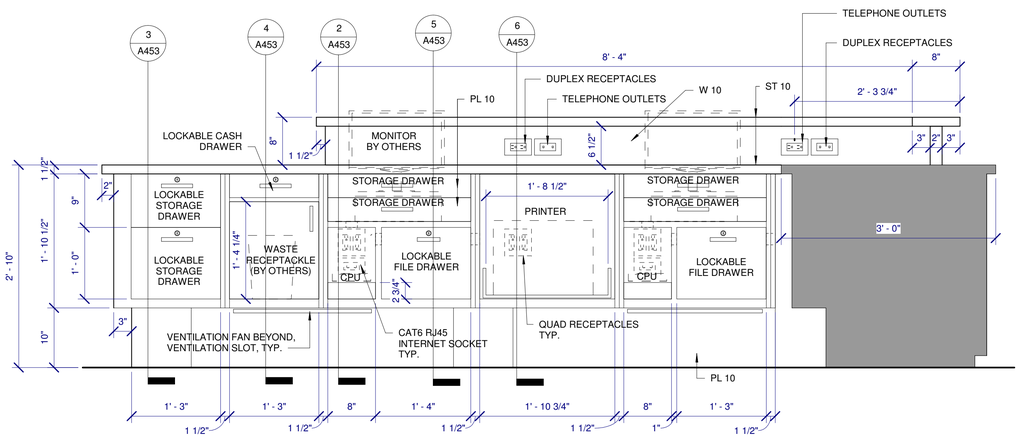
ENLARGED MEETING ROOM

A450

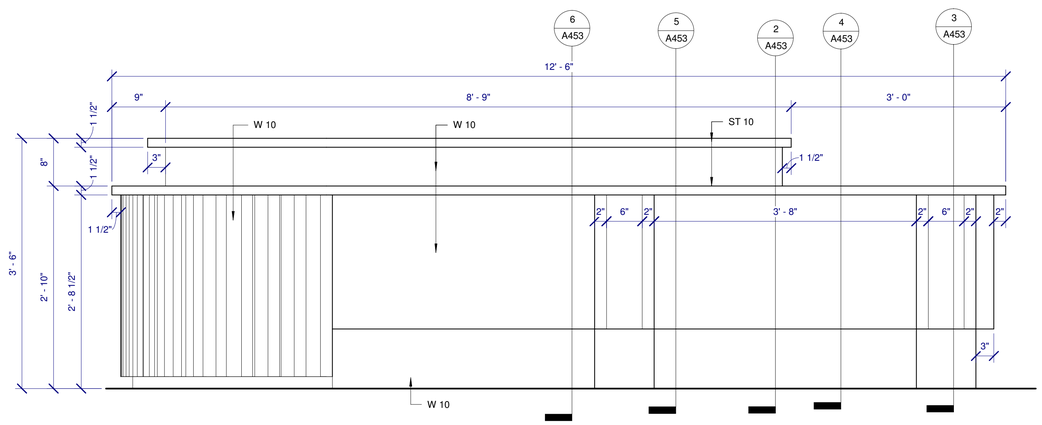
9/18/2026 10:28:52 AM



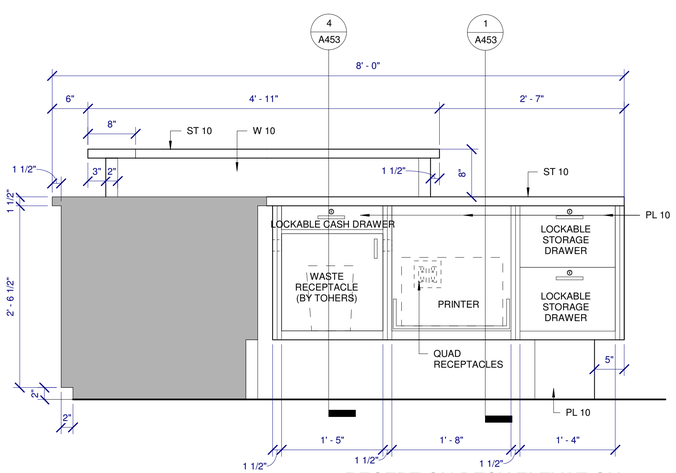
RECEPTION DESK ELEVATION (E)
1" = 1'-0"



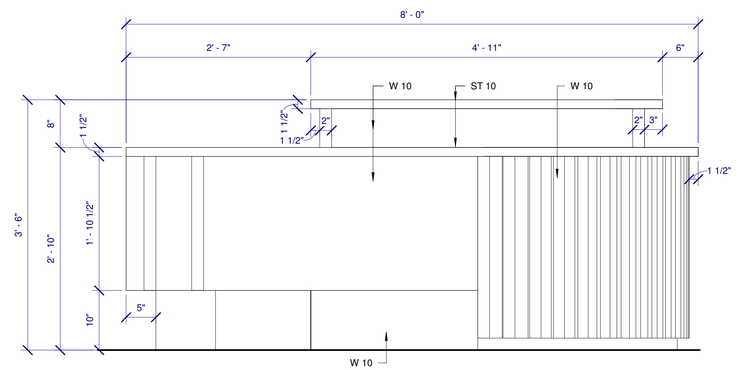
RECEPTION DESK ELEVATION (D)
1" = 1'-0"



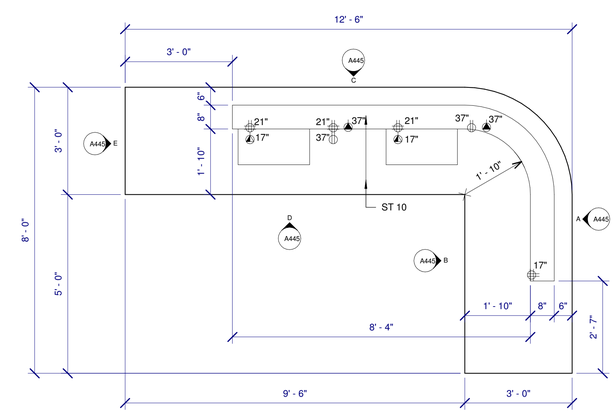
RECEPTION DESK ELEVATION (C)
1" = 1'-0"



RECEPTION DESK ELEVATION (B)
1" = 1'-0"



RECEPTION DESK ELEVATION (A)
1" = 1'-0"



MILLWORK - RECEPTION DESK PLAN (1)
1/2" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

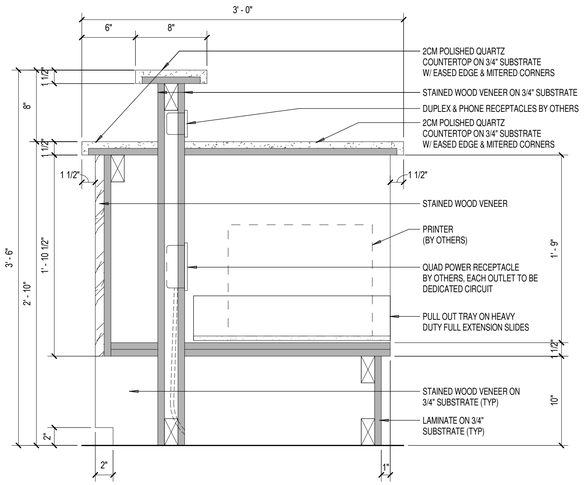
Revision	Date	Description

drawn by: KKJ
checked by: FTM
project no: 25-104

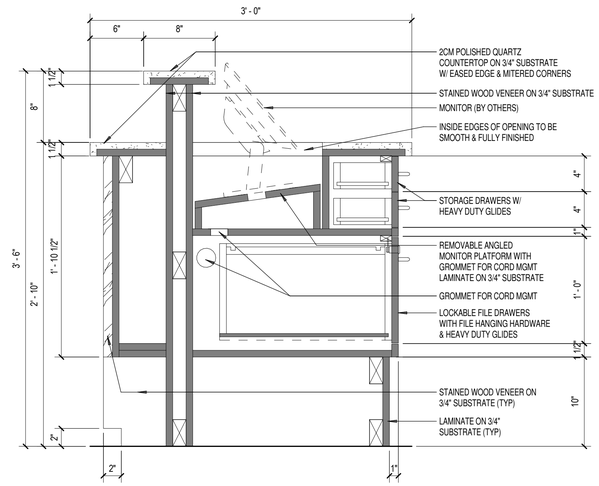
ENLARGED RECEPTION DESK

A452

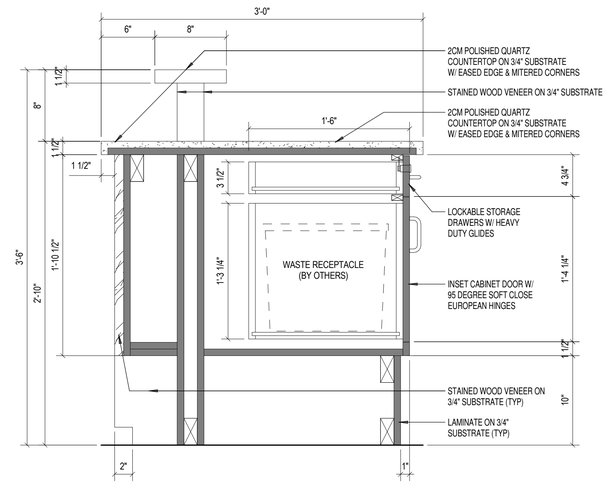
9/18/2026 10:28:55 AM



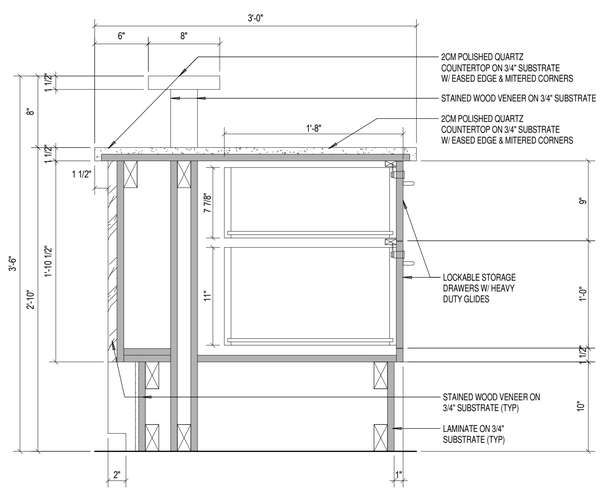
MILLWORK - RECEPTION DESK SECTION (6)
1 1/2" = 1'-0"



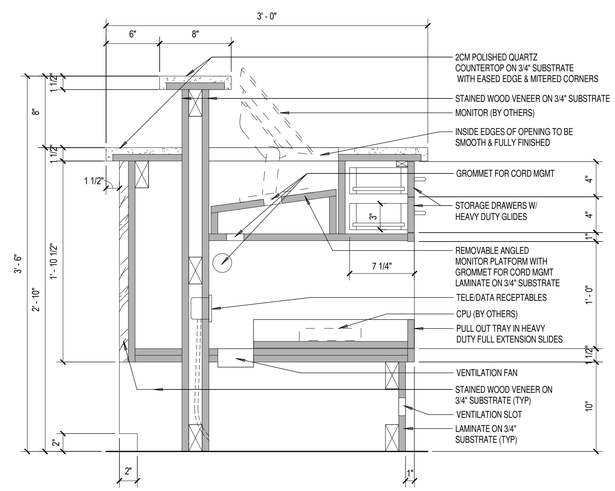
MILLWORK - RECEPTION DESK SECTION (5)
1 1/2" = 1'-0"



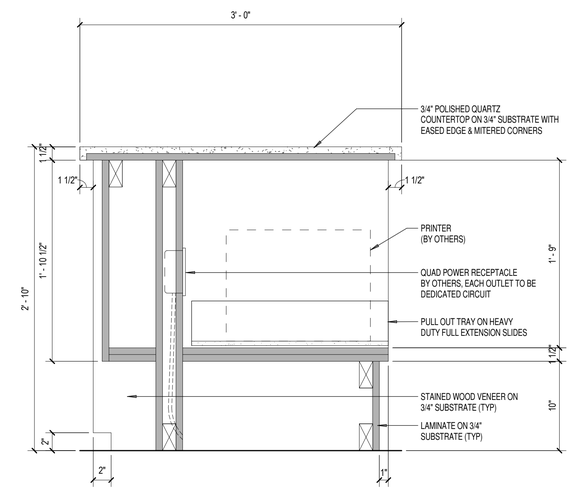
MILLWORK - RECEPTION DESK SECTION (4)
1 1/2" = 1'-0"



MILLWORK - RECEPTION DESK SECTION (3)
1 1/2" = 1'-0"



MILLWORK - RECEPTION DESK SECTION (2)
1 1/2" = 1'-0"



MILLWORK - RECEPTION DESK SECTION (1)
1 1/2" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

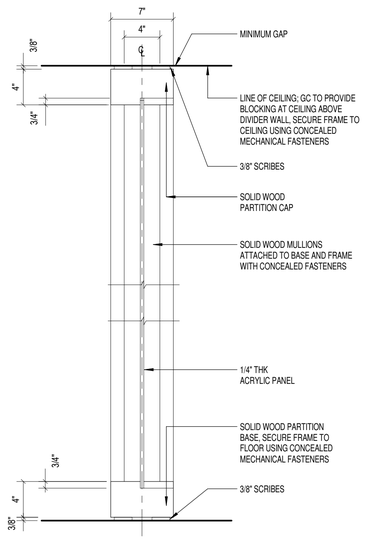
Revision	Date	Description

drawn by: KKJ
checked by: FTM
project no: 25-104

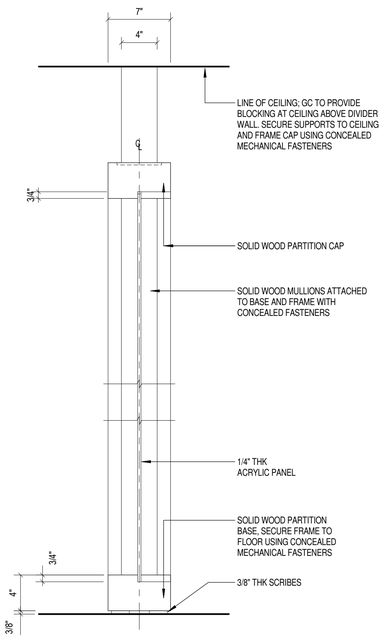
ENLARGED RECEPTION DESK SECTIONS

A453

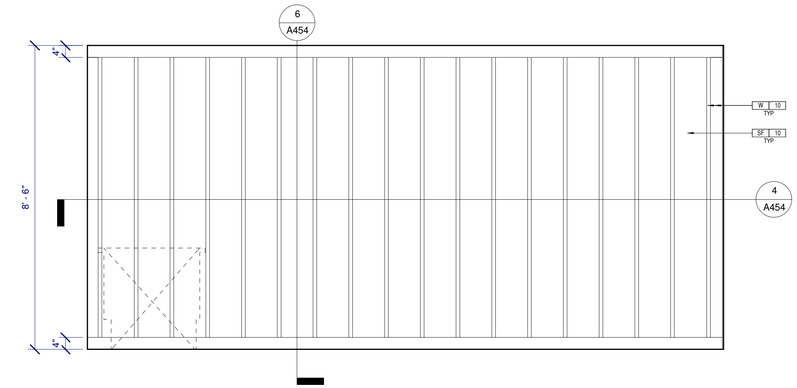
9/18/2026 10:28:58 AM



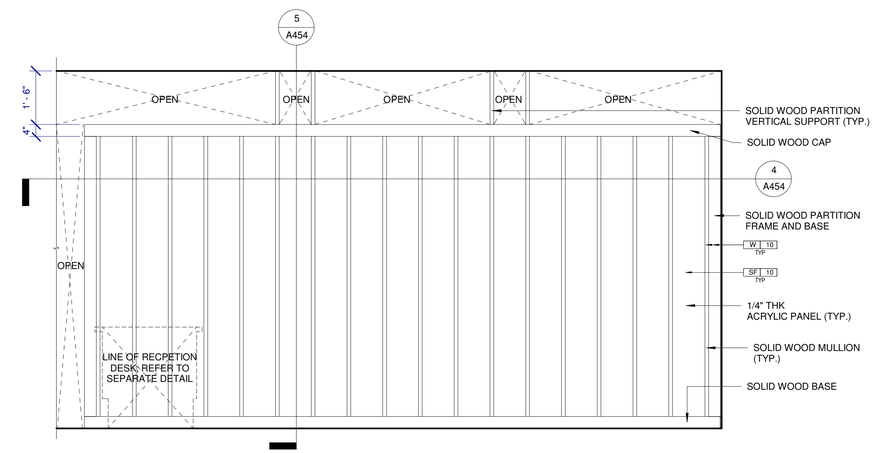
MILLWORK - RECEPTION ACCENT WALL SECTION 'A' 6
1 1/2" = 1'-0"



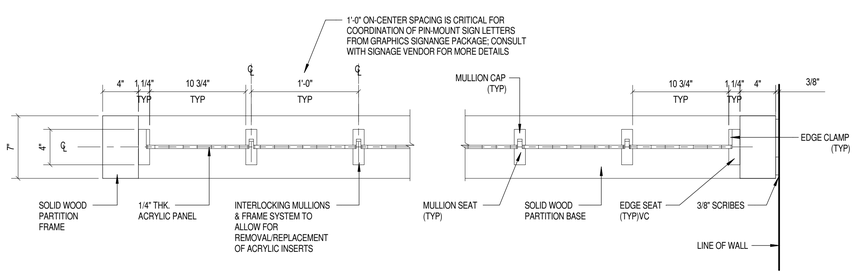
MILLWORK - RECEPTION ACCENT WALL SECTION 'B' 5
1 1/2" = 1'-0"



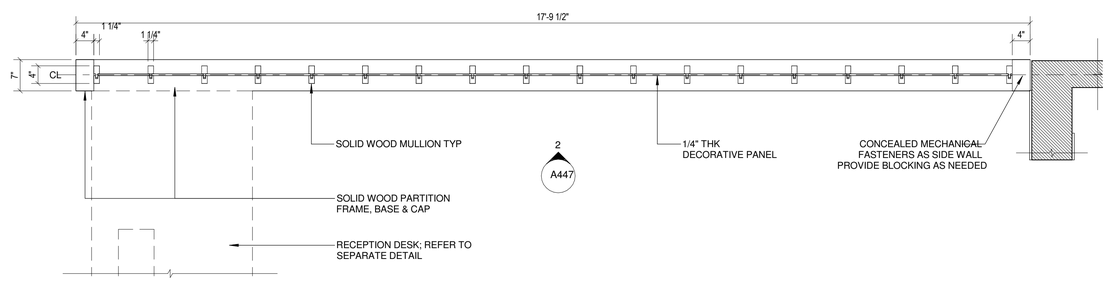
MILLWORK - RECEPTION ACCENT WALL ELEVATION 'B' 3
1/2" = 1'-0"



MILLWORK - RECEPTION ACCENT WALL ELEVATION 'A' 2
1/2" = 1'-0"



MILLWORK - RECEPTION ACCENT WALL DETAIL 4
1 1/2" = 1'-0"



MILLWORK - RECEPTION ACCENT WALL PLAN 1
3/4" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

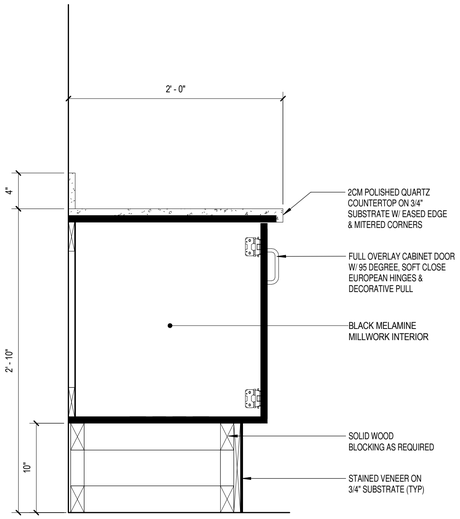
drawn by: KKJ
checked by: FTM
project no: 25-104

ENLARGED RECEPTION DESK ACCENT WALL

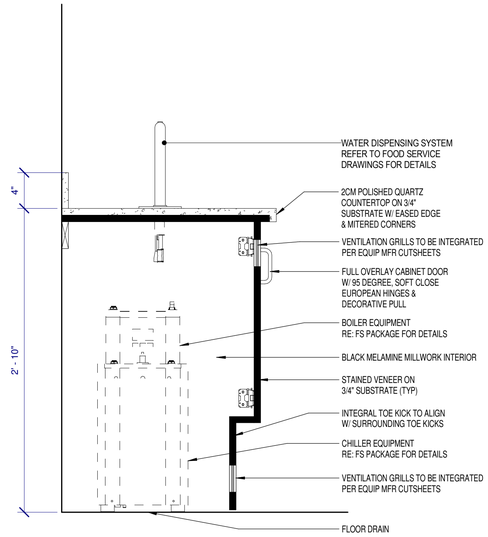
A454

9/18/2026 10:29:01 AM

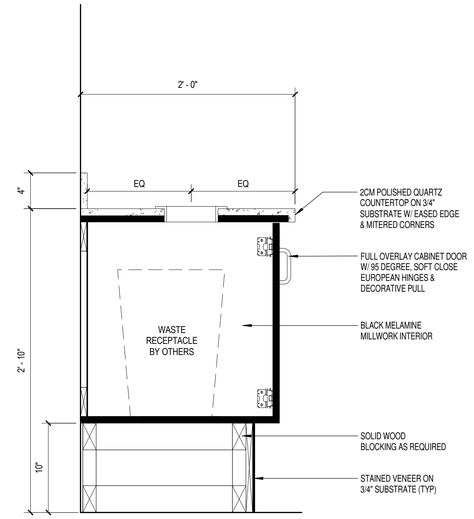
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



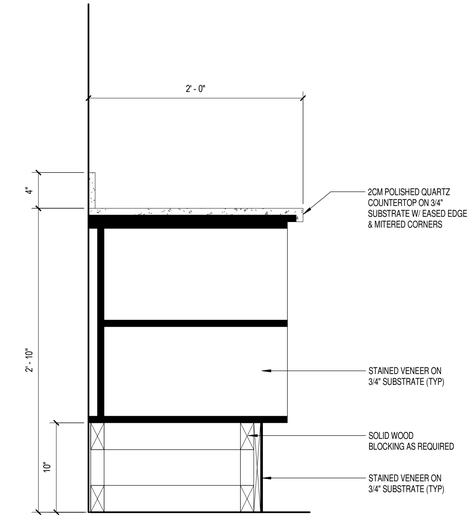
MILLWORK - HOSPITALITY STATION SECTION 'A' (5)
1 1/2" = 1'-0"



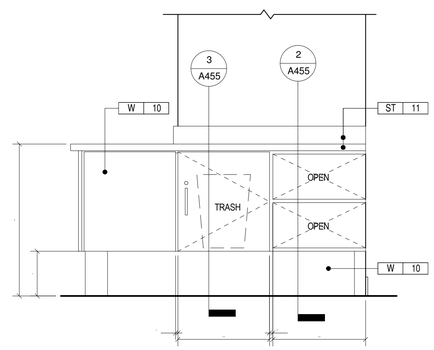
MILLWORK - HOSPITALITY STATION SECTION 'C' (4)
1 1/2" = 1'-0"



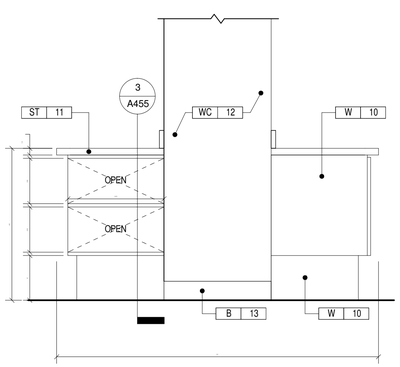
MILLWORK - HOSPITALITY STATION SECTION 'D' (3)
1 1/2" = 1'-0"



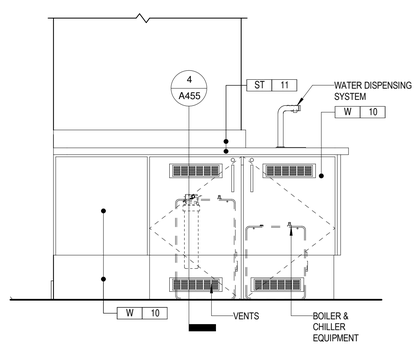
MILLWORK - HOSPITALITY STATION SECTION 'B' (2)
1 1/2" = 1'-0"



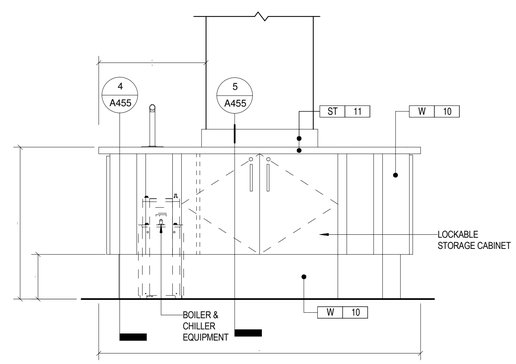
HOSPITALITY STATION ELEVATION (D)
3/4" = 1'-0"



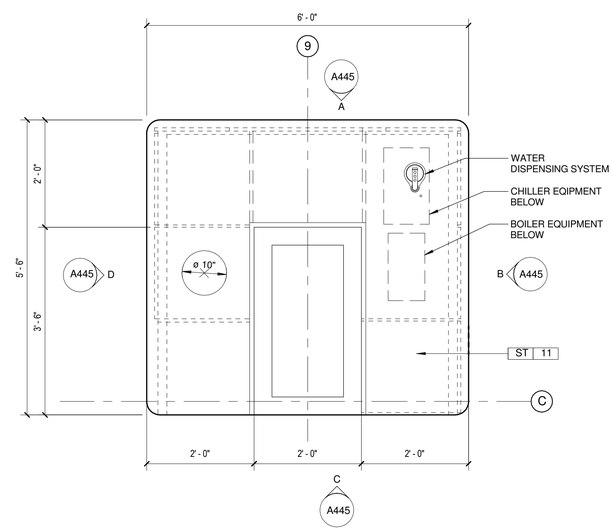
HOSPITALITY STATION ELEVATION (C)
3/4" = 1'-0"



HOSPITALITY STATION ELEVATION (B)
3/4" = 1'-0"



HOSPITALITY STATION ELEVATION (A)
3/4" = 1'-0"



MILLWORK - HOSPITALITY STATION PLAN (1)
3/4" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

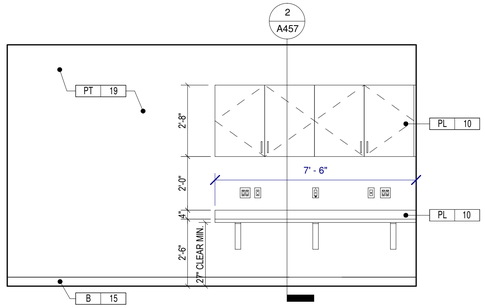
drawn by: KKJ
checked by: FTM
project no: 25-104

ENLARGED HOSPITALITY STATION

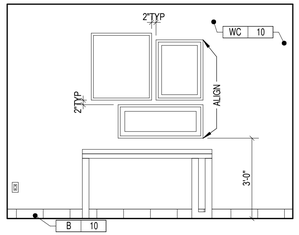
A455

9/18/2026 10:29:04 AM

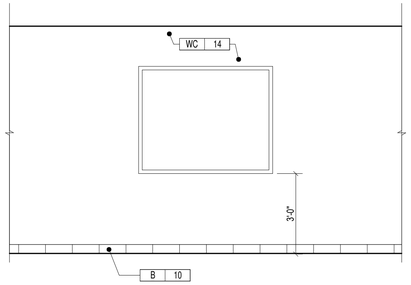
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



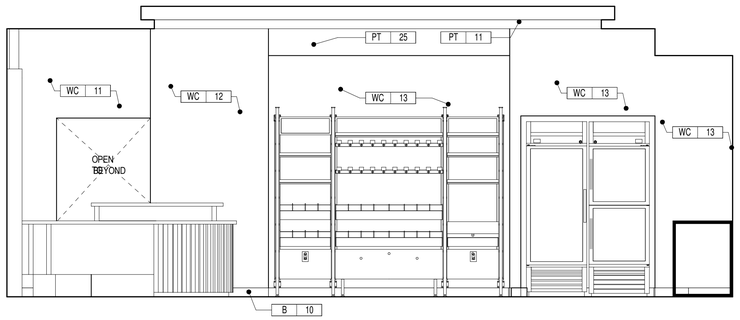
MAINTENANCE ELEVATION 11
3/8" = 1'-0"



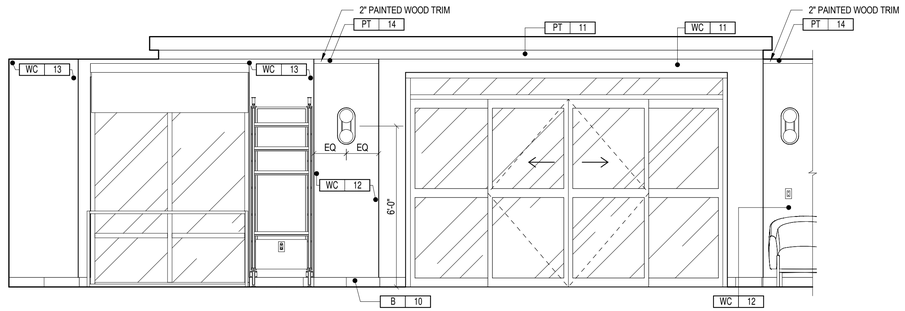
ELEVATOR LOBBY - GUEST FLOOR ELEVATION 10
3/8" = 1'-0"



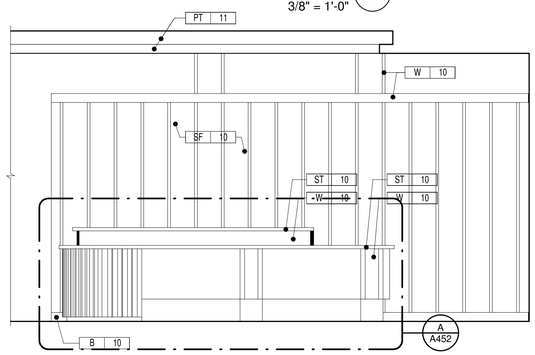
ELEVATOR LOBBY - GROUND FLOOR ELEVATION 9
3/8" = 1'-0"



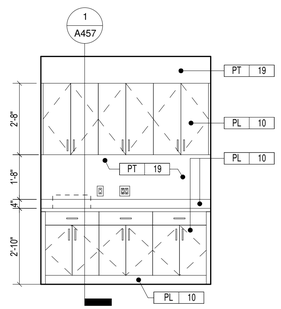
RETAIL ELEVATION 8
3/8" = 1'-0"



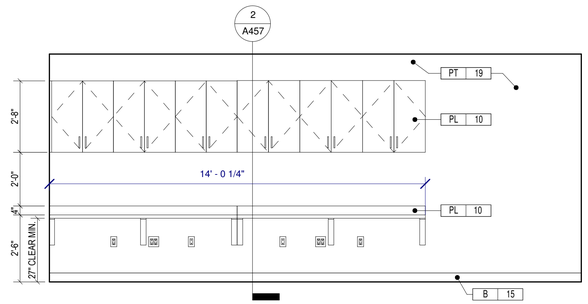
RETAIL ELEVATION 7
3/8" = 1'-0"



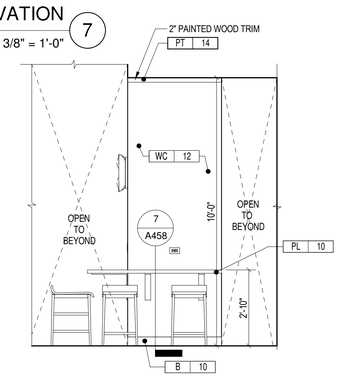
FRONT DESK ELEVATION 6
3/8" = 1'-0"



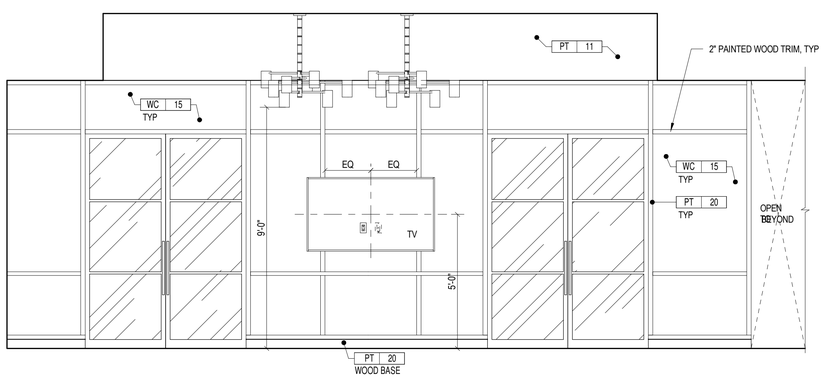
WORK AREA ELEVATION 5
3/8" = 1'-0"



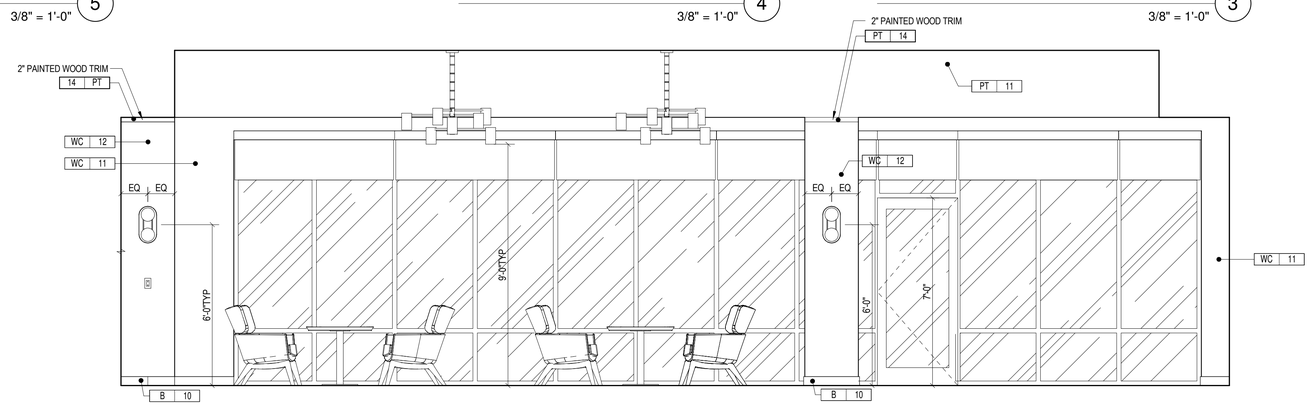
WORK AREA ELEVATION 4
3/8" = 1'-0"



LOUNGE & DINING ELEVATION 3
3/8" = 1'-0"



LOUNGE & DINING ELEVATION 2
3/8" = 1'-0"



LOUNGE & DINING ELEVATION 1
3/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

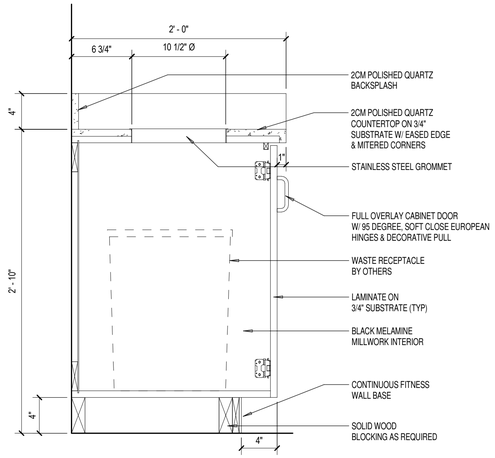
drawn by: KKJ
checked by: FTM
project no: 25-104

INTERIOR ELEVATIONS

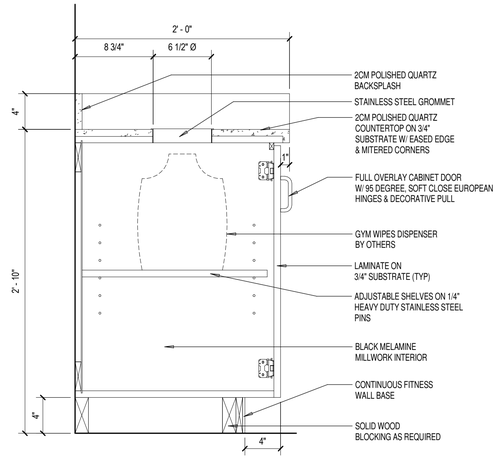
A456

9/18/2026 10:29:07 AM

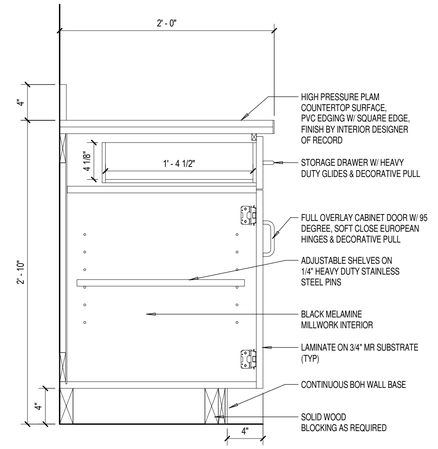
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



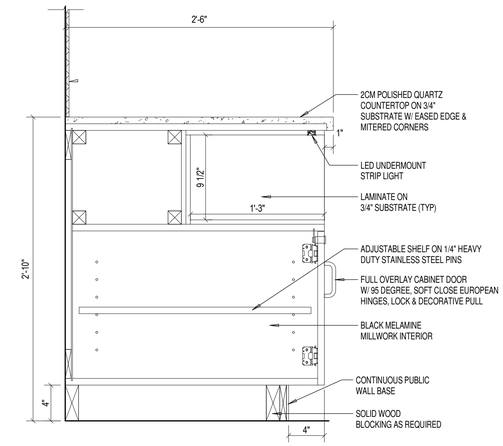
MILLWORK - FITNESS CENTER SECTION 'A' (8)
1 1/2" = 1'-0"



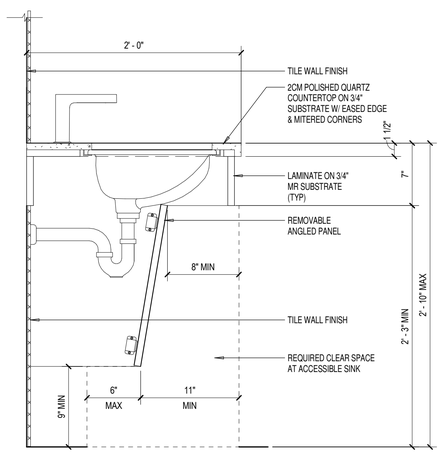
MILLWORK - FITNESS CENTER SECTION 'B' (7)
1 1/2" = 1'-0"



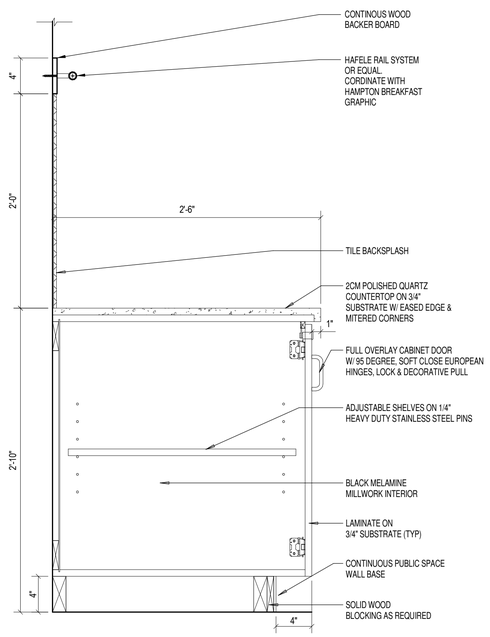
MILLWORK - EMPLOYEE BREAKROOM SECTION 'A' (6)
1 1/2" = 1'-0"



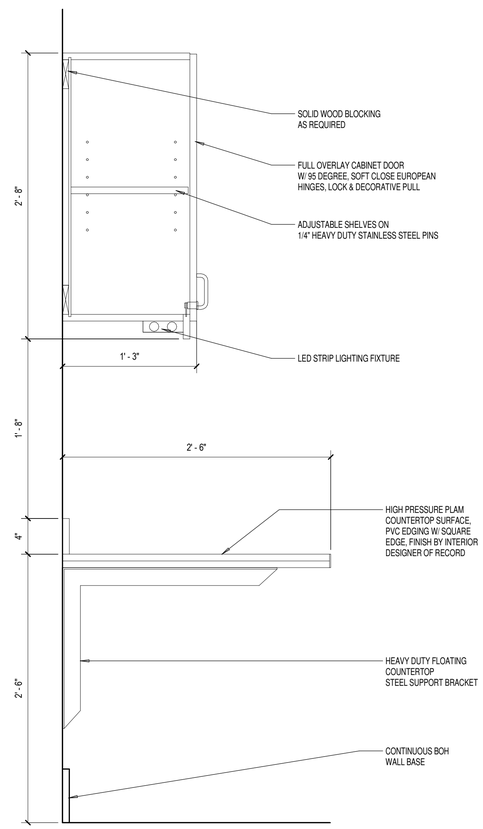
MILLWORK - PANTRY SECTION 'A' (5)
1 1/2" = 1'-0"



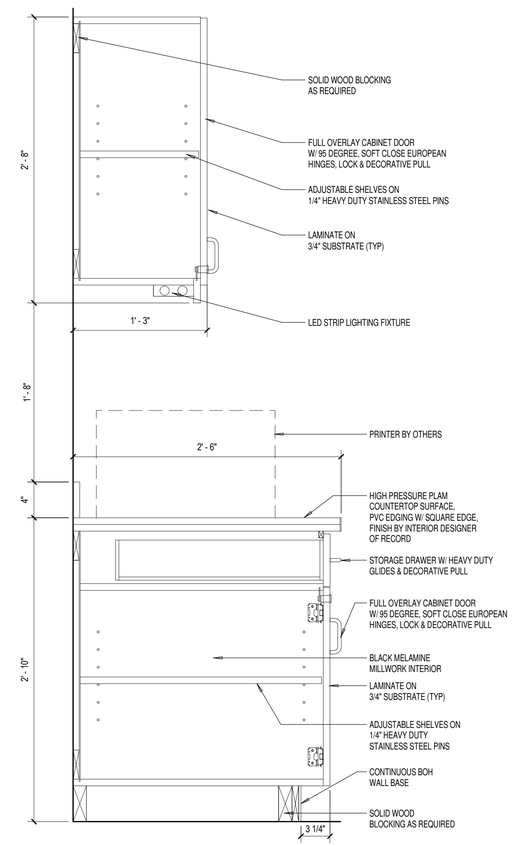
MILLWORK - PUBLIC RR ADA VANITY SECTION (4)
1 1/2" = 1'-0"



MILLWORK - PANTRY SECTION 'B' (3)
1 1/2" = 1'-0"



MILLWORK - MAINTENANCE SECTION (2)
1 1/2" = 1'-0"



MILLWORK - WORK AREA SECTION 'A' (1)
1 1/2" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

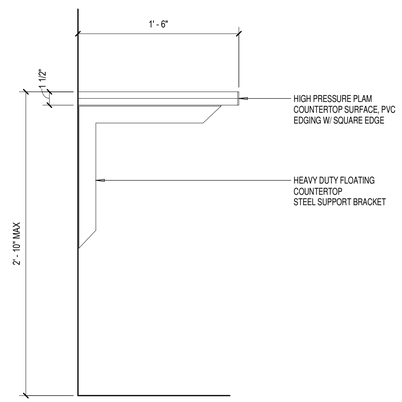
Revision	Date	Description

drawn by: Author
checked by: Checker
project no: 25-104

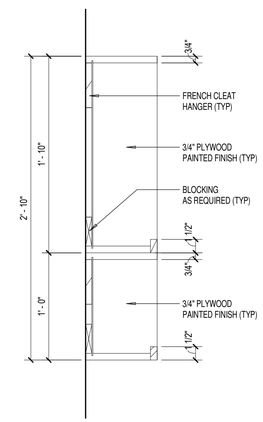
MILLWORK - SECTIONS

A457

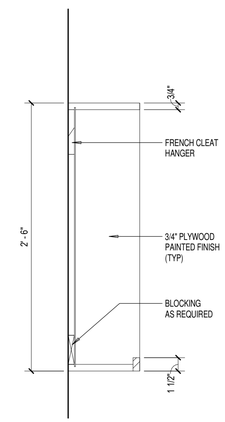
9/18/2026 10:29:10 AM



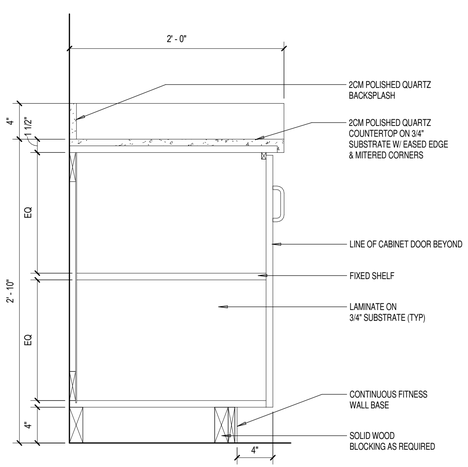
MILLWORK - PERCH COUNTER SECTION (7)
1 1/2" = 1'-0"



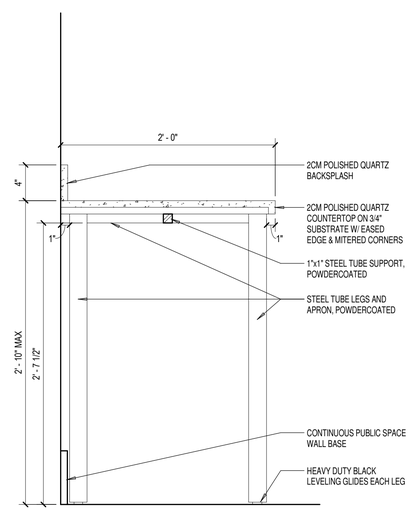
MILLWORK - PANTRY SECTION 'C' (6)
1 1/2" = 1'-0"



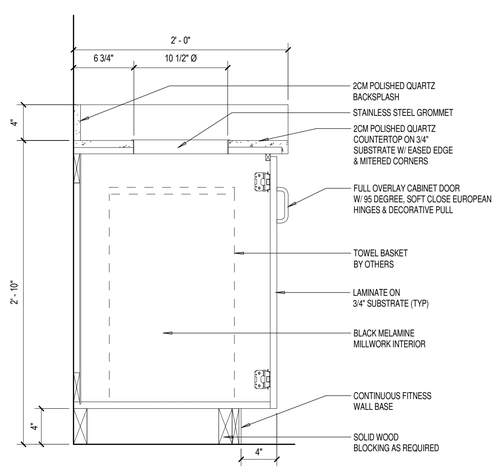
MILLWORK - PANTRY SECTION 'D' (5)
1 1/2" = 1'-0"



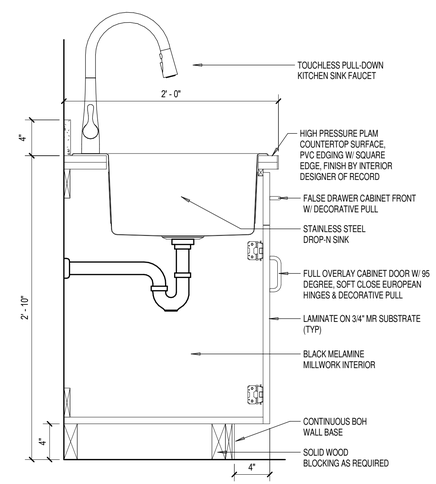
MILLWORK - FITNESS CENTER SECTION 'C' (4)
1 1/2" = 1'-0"



MILLWORK - GUEST LAUNDRY SECTION (3)
1 1/2" = 1'-0"



MILLWORK - FITNESS CENTER SECTION 'D' (2)
1 1/2" = 1'-0"



MILLWORK - EMPLOYEE BREAKROOM SECTION 'B' (1)
1 1/2" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: KKJ
checked by: FTM
project no: 25-104

MILLWORK - SECTIONS

A458

9/18/2026 10:29:12 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

DOOR SCHEDULE

DOOR SCHEDULE - PUBLIC

Mark	To Room	Type Mark	Width	Height	Thk.	Dr Sched - Dr Material	Frame Material	Frame Type	Fire Rating	Hardware Set	Comments
001	VESTIBULE	D1	11' - 4"	8' - 0"	1 3/4"	ALUM.	PREFINISHED ALUMINUM		-	1	
002	MAIN LOBBY	D1	11' - 4"	8' - 0"	1 3/4"	ALUM.	PREFINISHED ALUMINUM		-	2	
003	WORK AREA	D4	3' - 0"	7' - 0"	1 3/4"		HM	F1	20	4	
005	DINING LOUNGE	D3	3' - 0"	8' - 0"	2"	ALUM.	ALUM.	-	-	8	
006a	PANTRY	D7a	3' - 0"	7' - 0"	1 1/2"	MTL/GLASS			-	-	POCKET DOOR HARDWARE
006b	PANTRY	D7b	3' - 0"	7' - 0"	1 1/2"	MTL/GLASS			-	-	POCKET DOOR HARDWARE
006c	PANTRY	D7a	3' - 0"	7' - 0"	1 1/2"	MTL/GLASS			-	-	POCKET DOOR HARDWARE
006d	PANTRY	D7b	3' - 0"	7' - 0"	1 1/2"	MTL/GLASS			-	-	POCKET DOOR HARDWARE
007	FOOD PREP.	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	20	6	
007a	FOOD PREP.	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	20	7	
007b	FOOD PREP.	D4	2' - 6"	7' - 0"	1 3/4"	SC. WD.	HM	F1	-	28	
008a	MEETING ROOM	D5	6' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	20	12	
008b	MEETING ROOM	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	20	13	
009	MTG. STOR.	D4	4' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	45	23	
010	CORRIDOR	D4	3' - 0"	7' - 0"	1 3/4"		HM	F1			
010a	CORRIDOR	D4	3' - 0"	7' - 0"	1 3/4"		HM	F1			
011	CORRIDOR	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	20	9	
012	MEN	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	20	9	
013	MECH.	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	20	25	
014	FITNESS	D2	3' - 0"	7' - 0"	2"	ALUM.	ALUM.		-	11	
016	MAINTENANCE	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	20	27	
017	MECH.	D5	6' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	20	23	
018	ELEVATOR LOBBY	D3	3' - 0"	8' - 0"	2"	ALUM.	ALUM.		20	23	
019	STOR.	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	45	20	KICK PLATE
020	LAUNDRY	D4	3' - 6"	7' - 0"	1 3/4"	SC. WD.	HM	F1	-	29	
020a	LAUNDRY	D8	3' - 0"	7' - 0"	1 3/4"	HM	HM	F1	-	28	
021	LINEN STOR	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	20	23	
022	RETAIL STOR.	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	-	25	
023	MECH.	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	-	21	
024	EMPLOYEE BREAKROOM	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	-	22	
025	EMPLOYEE RESTROOM	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	-	25	
026	MECH.	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	20	4	
027	WORK AREA	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	-	23	
028	COMP./PBX	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	-	5	
029	SALES	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	-	5	
030	MANAGER	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	45	23	
031	WATER HEATER	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	-	23	
032	ELECTRICAL	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	-	24	
032a	ELECTRICAL	D8	3' - 0"	7' - 0"	1 3/4"	HM	HM	F1	-	16	
100a	CORRIDOR	D3	3' - 0"	8' - 0"	2"	ALUM.	ALUM.		-	16	
100c	CORRIDOR	D3	3' - 0"	8' - 0"	2"	ALUM.	ALUM.		-	16	
100d	CORRIDOR	D3	3' - 0"	8' - 0"	2"	ALUM.	ALUM.		-	17	
100e	CORRIDOR	D2	3' - 0"	8' - 0"	2"	ALUM.	ALUM.		-	17	
140	POOL EQUIP.	D8	3' - 0"	7' - 0"	1 3/4"	HM	HM	F1	-	15	
141	UNISEX	D8	3' - 0"	7' - 0"	1 3/4"	HM	HM	F1	-	19	SMOKE SEAL
217	ELEVATOR LOBBY	D5	6' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	45	33	
219	LINEN CHUTE	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	-	10	
239	GUEST LAUNDRY	D6	3' - 0"	7' - 0"	1 3/4"	SC. WD.			20	33	
241	LINEN STORAGE	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	-	19	SMOKE SEAL
317	ELEVATOR LOBBY	D5	6' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	45	33	
319	LINEN CHUTE	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	45	33	
337	STORAGE	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	20	33	
339	LINEN STORAGE	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	-	19	SMOKE SEAL
417	ELEVATOR LOBBY	D5	6' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	45	33	
419	LINEN CHUTE	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	45	33	
437	STORAGE	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	45	33	
439	LINEN STORAGE	D4	3' - 0"	7' - 0"	1 3/4"	SC. WD.	HM	F1	20	33	

DOOR SCHEDULE - GUESTROOMS

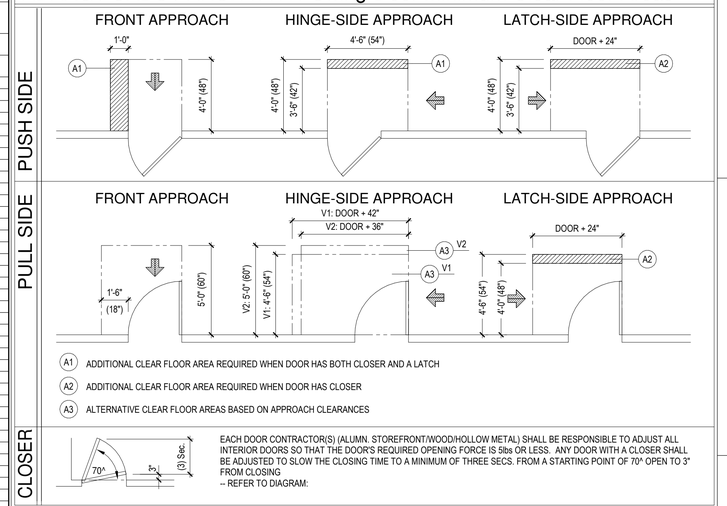
Type	Width	Height	Thickness	Material	Frame Type	Hardware Set	Fire Rating	Comments
G1	3' - 0"	7' - 0"	1 3/4"	SCWD.	F1	34	20 MIN	
G2	3' - 0"	7' - 0"	1 3/4"	SCWD.	F1	32		
G3	3' - 0"	7' - 0"	1 3/4"	SCWD.	F1	36	45 MIN	

DOOR SCHEDULE - STAIRS

Type	Width	Height	Thickness	Material	Frame Type	Hardware Set	Fire Rating	Comments
X1	3' - 0"	7' - 0"	1 3/4"	SCWD.	F2	32	90 MIN	
X2	3' - 0"	7' - 0"	1 3/4"	HM	F2	31		

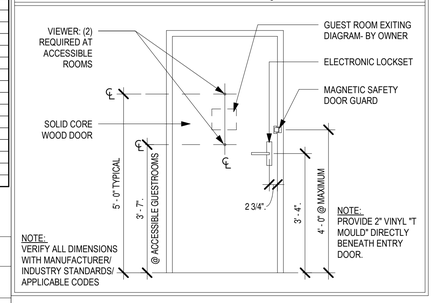
FRAME TYPES & DETAILS

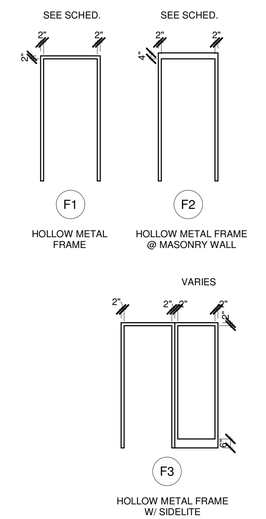
ADAAG / CABO / ANSI A117.1 Swing-Door Minimum Clear Floor Areas



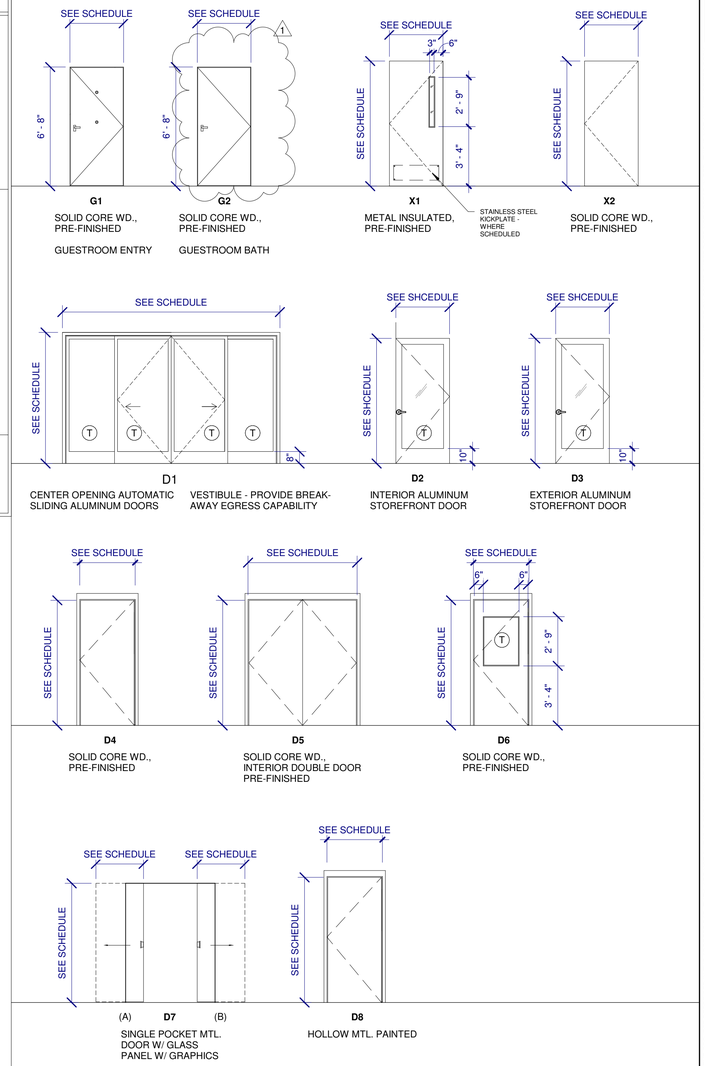
EACH DOOR CONTRACTOR(S) (ALUMN. STOREFRONT/WOOD/HOLLOW METAL) SHALL BE RESPONSIBLE TO ADJUST ALL INTERIOR DOORS SO THAT THE DOOR'S REQUIRED OPENING FORCE IS 5lbs OR LESS. ANY DOOR WITH A CLOSER SHALL BE ADJUSTED TO SLOW THE CLOSING TIME TO A MINIMUM OF THREE SECS. FROM A STARTING POINT OF 70^ OPEN TO 3" FROM CLOSING
-- REFER TO DIAGRAM:

Standard Guest Room Entry Door





DOOR TYPES



(T) = TEMPERED GLASS

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
1	04.16.26	HILTON COMMENTS

drawn by: KKJ
checked by: FTM
project no: 25-104

DOOR SCHEDULE

A600

9/18/2026 10:29:18 AM

GENERAL DOOR NOTES: DD'S

1. ALL DOOR HARDWARE SHALL BE US 32D FINISH (U.N.O.) - VERIFY WITH OWNER
2. ALL DOOR CYLINDERS TO BE IC CORE FORMAT TO MATCH PROPERTY STANDARDS.
3. ALL DOORS SHALL BE PRE-FINISHED (SHOP OR FACTORY)
4. TOPS, BOTTOMS AND SIDES OF ALL DOORS SHALL BE PAINTED OR STAINED TO MATCH DOOR.
5. PROVIDE CONSTRUCTION CYLINDERS DURING CONSTRUCTION.FOR DOORS REQUIRED TO BE LOCKED REPLACE CONSTRUCTION CYLINDERS PRIOR TO HOTEL OPENING. COORDINATE WITH GENERAL CONTRACTOR.
6. ALL DOORS SHALL BE MASTER KEYED. COORDINATE KEYING WITH OWNER.
7. ALL LOCKSETS AND CYLINDERS ARE SUPPLIED WITH FINAL CORES.PERMANENT KEYING BY DOOR SUBCONTRACTOR.
8. ALL 'EXIT' DOORS MUST BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT.
9. ALL INTERIOR DOOR GLAZING AND SIDELITES SHALL BE CLEAR TEMPERED GLASS (U.N.O.)
10. GLAZING AT EXTERIOR DOORS & SIDELITES SHALL BE INSULATED TEMPERED LITES.-- REFER TO ELEVATIONS
11. ALL DOOR HARDWARE SHALL COMPLY WITH ACCESSIBLE REQUIREMENTS FOR ACCESSIBILITY. - FEDERAL, STATE AND LOCAL ACCESSIBILITY CODE(S).
12. ALL FULL/HALF VISION DOORS SHALL BE A MEDIUM STILE (U.N.O.)
13. ALL RATED DOORS SHALL BE PROVIDED W/ MIN. REQUIRED DOOR HARDWARE REGARDLESS IF NOT SHOWN ON SCHEDULE. IF DIRECTION INDICATED OR NOTED IS SPECIFICALLY IN CONTRADICTION TO WHAT IS REQUIRED IN RATED DOORS,CONTACT ARCHITECT.
14. WHERE UNDERCUT NOT SPECIFIED, STANDARD UNDERCUT OF 3/4" FOR HM & WOOD DOORS
15. 1 1/2" PAIR BUTT HINGES PER DOOR LEAF UP TO 7'-0". SOLID CORE WOOD OR HM DOORS FROM 7'-0" TO 10'-0" PROVIDE 2 PAIR BUTT HINGES PER DOOR LEAF. DOORS 10'-1" TO 14'-0" IN HEIGHT,PROVIDE 2 1/2 PAIR HINGES PER DOOR LEAF.
16. PROVIDE (3) SILENCERS IN SINGLE LEAF DOORS, (2) SILENCERS INDOUBLE LEAF DOORS UNLESS PAIR OF DOORS HAS MIDDLE MULLION THEN PROVIDE A TOTAL (6) SILENCERS
17. LOCKSET SHALL OPERATE WHERE TURNING KEY UNLATCHES DOOR WHEN PUSHBUTTON IS ENGAGED & TURNED, KEY OPERATION WILL BE REQUIRED AT ALL TIMES. RELEASING PUSHBUTTON UNLOCKS DOOR.
18. REFER TO INTERIOR ELEVATIONS FOR DOOR FINISHES. DOORS SPECIFIED WITH A MILLWORK FINISH SHALL BE FINISHED BY MILLWORK CONTRACTOR TO MATCH MILLWORK IN THAT ROOM/AREA
19. PROVIDE REMOTE CARD READERS AT ALL EXTERIOR DOORS, INCLUDING MAIN ENTRY, AND AT EXERCISE ROOM, GUEST LAUNDRY AND AT LINEN STORAGE ROOMS
20. ALL EXTERIOR HOLLOW METAL DOORS SHALL BE GALVANIZED & INSULATED.
21. ALL EXTERIOR DOORS SHALL BE PROVIDED WITH AN ALUMN. DRIP EDGE ANCHORED TO UNDERSIDE OF WALL CONSTRUCTION (DOORS AS PART OF AN ALUMN. STOREFRONT SYSTEM WITH A TRANSOM DOES NOT REQUIRE DRIP EDGE, NOR DO DOORS THAT ARE PROTECTED UNDER CANOPIES.
22. ALL EXTERIOR DOORS SHALL HAVE THE TOP OF THE DOOR SLAB CONSTRUCTED IN SUCH A WAY TO SHED AND PREVENT WATER FROM COLLECTING/SITTING WITHIN THE TOP OF THEREFORE THE DOOR SLAB. JOINTS SHALL BE MINIMIZED AT THE TOP OF DOOR SLAB, ANY CONSTRUCTION JOINTS SHALL BE FULLY WEATHER TIGHT.
23. GLAZING AT EXTERIOR DOORS & SIDELITES SHALL BE INSULATED TEMPERED GLASS. -- REFER TO ELEVATIONS AND WINDOW SCHEDULE(S) FOR GLASS COLOR AND SPECIFICS.
24. SIGNAGE SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF DOORS. CENTERLINE OF SIGN SHALL BE 60"A.F.F.TO THE CENTERLINE OF THE SIGN AS INDICATED.
25. REFER TO STANDARDS MANUAL FOR ADDITIONAL INFORMATION REGARDING DOOR AND DOOR HARDWARE REQUIREMENTS
26. ALL "MEETING" ROOM DOORS TO RECEIVE SOUND STRIPPING. ALL PASSAGE DOORS MUST HAVE A 32" MINIMUM CLEAR WIDTH OPENING WHEN DOOR IS FULLY OPEN
27. THRESHOLDS AT ACCESSIBLE DOORS TO MEET ALL APPROPRIATE ACCESSIBILITY REQUIREMENTS. ACCESSIBLE DOORS INCLUDE ALL
28. PUBLIC ACCESS SPACES, ALL PUBLIC EXTERIOR DOORS, ALL EGRESS DOORS, AND EMPLOYEE DOORS THAT ARE INDICATED WITH A CLEAR FLOOR AREA.
29. ACCESSIBLE CONTROLS MUST NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.
30. EXTERIOR DOORS MUST HAVE WEATHER STRIPPING WITH THE APPROPRIATE TYPE OF THRESHOLD.
31. OUT-SWINGING EXTERIOR DOORS MUST HAVE CLOSED TOPS.

DOOR HARDWARE LIST

MARK	QTY	DESCRIPTION
1		**EXT. TO VESTIBULE (STOREFRONT)**
2		**VESTIBULE TO LOBBY (STOREFRONT)**
	1	SAFLOK CARD READER (WALL MOUNT)
	1	INTERCOM w/SAFLOK INTERFACE (DUAL CONTEROLS
3		**EXTERIOR TO LOBBY/CORRIDOR (STOREFRONT)**
	3	BB HINGES 4.5 x 4.5
	1	DOOR CLOSER w/STOP
	1	SAFLOK CARD READER (DOOR MOUNT)
	1	UL EXIT RIM DEVICE W/ HANDLE
	1	THRESHOLD
4		**WORK AREA TO OFFICE (SCW)**
	3	BB HINGES 4.5 x 4.5
	1	DOOR CLOSER W/ STOP
	1	OFFICE LOCKSET
	1	WALL/OVERHEAD STOP
	3	DOOR SILENCERS
5		**MISC. OFFICE**
	3	BB HINGES 4.5 x 4.5
	1	OFFICE LOCKSET
	1	WALL STOP
	3	DOOR SILENCERS
6		**CORRIDOR TO PANTRY**
	3	BB HINGES 4.5 x 4.5
	1	DOOR CLOSER W/ STOP
	1	OFFICE LOCKSET
	1	WALL/OVERHEAD STOP
	3	DOOR SILENCERS
7		**BREAKFAST TO PREP KITCHEN**
	3	BB HINGES 4.5 x 4.5
	1	STOREROOM LOCKSET
	3	DOOR SILENCERS
9		**CORRIDOR TO PUBLIC BATH (SCW)**
	3	BB HINGES 4.5 x 4.5
	1	DOOR CLOSER W/ STOP
	1	PUSH PLATE
	1	DOOR PULL
	1	WALL OVERHEAD STOP
	3	DOOR SILENCERS
1	1	KICK PLATE
	1	COAT HOOK
10		**CORRIDOR TO GUEST LAUNDRY**
	3	BB HINGES 4.5 x 4.5
	1	DOOR CLOSER w/STOP
	1	SAFLOK CARD READER (DOOR MOUNT)
	1	WALL OVERHEAD STOP
	1	KICK PLATE
	1	HALF LITE (FIRELITE GLASS)
	3	DOOR SILENCERS
11		**CORRIDOR TO FITNESS (STOREFRONT)**
	3	BB HINGES 4.5 x 4.5
	1	DOOR CLOSER w/STOP
	1	SAFLOK CARD READER (DOOR MOUNT)
	1	WALL/OVERHEAD STOP
12		**MEETING RM. (PAIR)**
	6	BB HINGER 4.5 x 4.5
	2	DOOR CLOSERS
	1	180° VIEWER
	1	SAFLOK CARD READER (DOOR MOUNT)
	1	COORDINATING STOP
	1	DOOR GASKET
	6	DOOR SILENCERS
13		**MEETING RM.**
	3	BB HINGER 4.5 x 4.5
	1	DOOR CLOSER
	1	180° VIEWER
	1	SAFLOK CARD READER (DOOR MOUNT)
	1	DOOR GASKET
	3	DOOR SILENCERS

DOOR HARDWARE LIST

MARK	QTY	DESCRIPTION
15		**POOL TO POOL BATH (HM-GALVANISED)**
	3	BB HINGES 4.5 x 4.5
	1	DOOR CLOSER w/STOP
	1	PRIVACY LOCKSET
	1	WALL/OVERHEAD STOP
	1	TRANSITION THRESHOLD CT TO CONCRETE
	3	DOOR SILENCERS
16		**CORRIDOR (STOREFRONT)**
	3	BB HINGES 4.5 x 4.5
	1	DOOR CLOSER w/STOP
	1	DOOR GASKET SET
	1	THRESHOLD
17		**POOL TO POOL EQUIPMENT (HM-GALVANIZED)**
	3	BB HINGES 4.5 x 4.5 (SS)
	1	DOOR CLOSER w/STOP (SS)
	1	STOREROOM LOCKSET (SS)
	1	DOOR GASKET SET
	1	THRESHOLD (SS)
	3	DOOR SILENCERS
18		**POOL EQUIPMENT TO CHEMICAL STORAGE**
	3	BB HINGES 4.5 x 4.5
	1	PASSAGE LOCKSET
	3	DOOR SILENCERS
19		**CORRIDOR TO CORRIDOR**
	6	BB HINGES 4.5 x 4.5
	2	DOOR CLOSER w/STOP
	2	ELECTRONIC HOLD-OPEN DEVICE
	2	PUSH/PULL DOOR HANDLES
	2	DOOR GASKET SET
	6	DOOR SILENCERS
20		**CORRIDOR TO LAUNDRY**
	6	BB HINGES 4.5 x 4.5
	2	DOOR CLOSER W/ STOP
	1	UL EXIT RIM DEVICE W/ DUAL RELEASE
	2	KICK PLATE
	2	DOOR GASKET SET
	1	TRANSITION THRESHOLD CT TO CONCRETE
	6	DOOR SILENCERS
21		**CORRIDOR TO EMPLOYEE BREAKROOM (HM)**
	3	BB HINGES 4.5 x 4.5
	1	DOOR CLOSER w/STOP
	1	OFFICE LOCKSET
	1	WALL OVERHEAD STOP
	1	TRANSITION THRESHOLD CT TO COCNRETE
	3	DOOR SILENCERS

DOOR HARDWARE LIST

MARK	QTY	DESCRIPTION
22		**CORRIDOR TO EMPLOYEE BATH**
	3	BB HINGES 4.5 x 4.5
	1	DOOR CLOSER w/STOP
	1	PRIVACY LOCKSET
	1	WALL/OVERHEAD STOP
	1	TRANSITION THRESHOLD
	3	DOOR SILENCERS
23		**CORRIDOR TO STORAGE**
	3	BB HINGES 4.5 x 4.5
	1	DOOR CLOSER w/STOP
	1	STOREROOM LOCKSET
	1	UL EXIT RIM DEVICE
	1	KICK PLATE
	3	DOOR SILENCERS
24		**ELECTRICAL TO EXTERIOR (HM)**
	3	BB HINGES 4.5 x 4.5
	1	DOOR CLOSER W/ STOP
	1	STOREROOM LOCKSET
	1	UL EXIT RIM DEVICE
	1	DOOR GASKET SET
	1	KICK PLATE
	1	THRESHOLD
	3	DOOR SILENCERS
25		**CORRIDOR TO MECHANICAL/ELECTRICAL**
	3	BB HINGES 4.5 x 4.5
	1	DOOR CLOSER w/STOP
	1	STOREROOM LOCKSET
	1	WALL/OVERHEAD STOP
	3	DOOR SILENCERS
26		**MECHANICAL TO EXTERIOR (HM)**
	3	BB HINGES 4.5 x 4.5
	1	DOOR CLOSER w/STOP
	1	STOREFRONT LOCKSET
	1	DOOR GASKET SET
	1	WALL/OVERHEAD STOP
	1	KICK PLATE
	1	THRESHOLD
	3	DOOR SILENCERS
27		**MECHANICAL TO ENGINEER (HM)**
	3	BB HINGES 4.5 x 4.5
	1	STOREROOM LOCKSET
	1	WALL/OVERHEAD STOP
	1	KICK PLATE
	3	DOOR SILENCERS
28		**LAUNDRY TO LINEN (HM)**
	3	BB HINGES 4.5 x 4.5
	1	STOREROOM LOCKSET
	1	WALL/OVERHEAD STOP
	1	KICK PLATE
	3	DOOR SILENCERS
29		**CORRIDOR TO DRYERS**
	3	BB HINGES 4.5 x 4.5
	1	PASSAGE LOCKSET
	1	WALL/OVERHEAD STOP
	3	DOOR SILENCERS
31		**STAIRWELL TO EXTERIOR (HM)**
	3	BB HINGES 4.5 x 4.5
	1	DOOR CLOSER w/STOP
	1	DOOR GASKET SET
	1	UL EXIT RIM DEVICE W/O HANDLE
	1	THRESHOLD
	3	DOOR SILENCERS

DOOR HARDWARE LIST

MARK	QTY	DESCRIPTION
32		**CORRIDOR TO STAIRWELL**
	3	BB HINGES 4.5 x 4.5
	1	DOOR CLOSER w/STOP
	1	STOREROOM LOCKSET
	1	GUEST SET
	1	UL EXIT RIM DEVICE W/ HANDLE
	1	3x33 LITE W/ WIREGLASS
	1	KICK PLATE
	1	THRESHOLD
	3	DOOR SILENCERS
33		**CORRIDOR TO HOUSEKEEPING (HM)**
	3	BB HINGES 4.5 x 4.5
	1	DOOR CLOSER w/STOP
	1	STOREROOM LOCKSET
	1	WALL/OVERHEAD STOP
	1	TRANSITION THRESHOLD CPT TO VCT
	1	KICK PLATE
	3	DOOR SILENCERS
34		**CORRIDOR TO GUESTROOM 1 (SCW)**
	3	BB HINGES 4.5 x 4.5
	1	SAFLOK CARD READER (DOOR MOUNT)
	1	WALL/OVERHEAD STOP
	1	COORDRINATING STOP
	1	DOOR GASKET SET
	1	FIRE THRESHOLD
	1	DOOR BOTTOM (UNNOTCHED)
	1	PDL PRIVACY LATCH
	1	180° DOOR VIEWER
	3	DOOR SILENCERS
36		**GUESTROOM TO GUEST BATH 1 (SCW)**
	3	BB HINGES 4.5 x 4.5
	1	PRIVACY LOCKSET
	1	WALL/OVERHEAD STOP
	3	DOOR SILENCERS
39		**GUESTROOM TO CLOSET (SCW)**
	3	BB HINGES 4.5 x 4.5
	1	PASSAGE LOCKSET
	1	WALL/OVERHEAD STOP
	3	DOOR SILENCERS
40		**GUESTROOM TO GUESTROOM CONNECTING (SCW)**
	6	BB HINGES 4.5 x 4.5
	2	C-DOOR LOCK W/ DUMMY HANDLE
	2	C-DOOR DEADBOLT W/ DUMMY PLATE
	2	DOOR BOTTOM (UNNOTCHED)
	1	FIRE THRESHOLD - FULL WIDTH
	2	PDL PRIVACY LATCH
	2	WALL/OVERHEAD STOP
	6	DOOR SILENCERS

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
1	04.16.26	HILTON COMMENTS

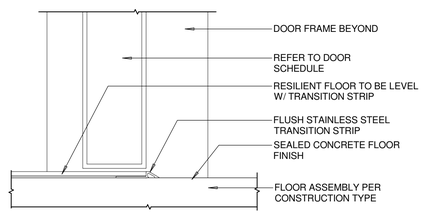
drawn by: KKJ
checked by: FTM
project no: 25-104

DOOR HARDWARE SCHEDULE

A601

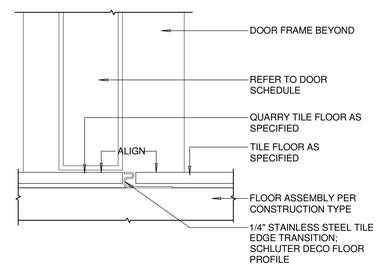
9/18/2026 10:29:22 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



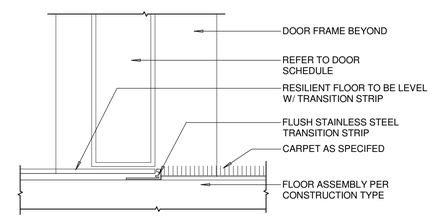
VCT-CONCRETE FLOORING DETAIL 3

6" = 1'-0"



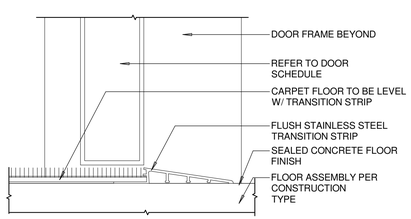
TILE-QUARRY TILE DETAIL 2

6" = 1'-0"



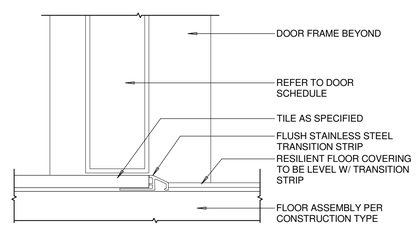
RESILIENT FLOORING-CARPET DETAIL 4

6" = 1'-0"



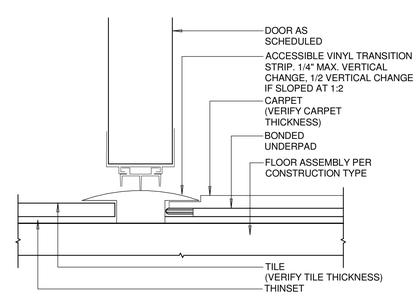
CARPET-CONCRETE FLOORING DETAIL 7

6" = 1'-0"



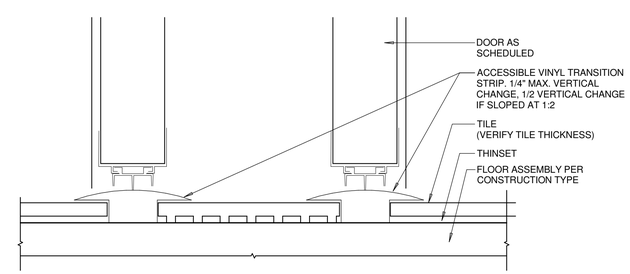
TILE-RESILIENT FLOORING DETAIL 1

6" = 1'-0"



GUEST ENTRY DETAIL 5

6" = 1'-0"



COMMUNICATING DOOR DETAIL 6

6" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: KKJ

checked by: FTM

project no: 25-104

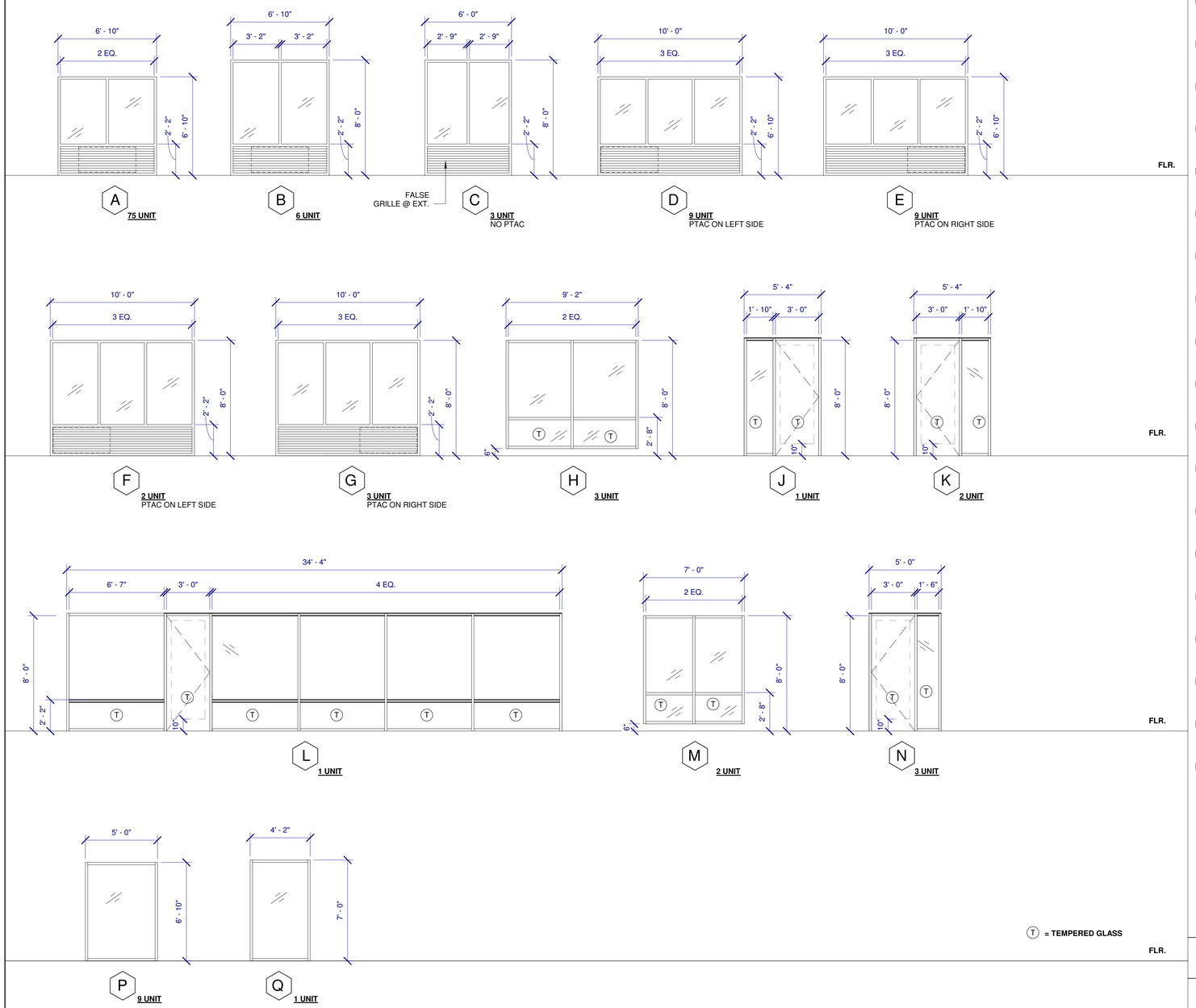
THRESHOLD & TRANSITION DETAILS

A602

9/18/2026 10:29:24 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

WINDOW/STOREFRONT SCHEDULE - EXTERIOR/INTERIOR



WINDOW NOTES:

1. ALL FINISHES AND MATERIALS USED IN WINDOW SYSTEM SHALL MEET EXPOSURE CONDITIONS FOR LELAND, NC AREA.
2. ALL EXTERIOR GLAZING SHALL BE 1" MIN. IGU WITH CLEAR INTERIOR LITES AND LOW-E EXTERIOR LITES, FRAMES SHALL BE FABRICATED WITH A THERMAL BREAK. (SHGC 0.25 WITH U FACTOR 0.45 MIN.)
3. SEE GUESTROOM ELEVATIONS FOR WINDOW TREATMENTS. CONTRACTOR TO INSTALL ALL WINDOW TREATMENTS AND TO PROVIDE BLOCKING FOR INSTALLATION IF REQUIRED.
4. NOT ALL WINDOWS IN PLANS MAY APPEAR IN THIS SCHEDULE. CONTRACTOR TO NOTIFY ARCHITECT IF A WINDOW IN PLAN DOES NOT APPEAR IN SCHEDULE.
5. FIELD VERIFY ALL OPENINGS.
6. SEE BUILDING ELEVATION FOR SILL HEIGHTS, COORDINATE WINDOW SILL HEIGHTS WITH REVEAL LOCATIONS.
7. FINISH LOUVERS TO MATCH WINDOW FRAME.
8. STANDARD 2" WIDE WINDOW FRAME SECTIONS.

FINISH SCHEDULE

NOTE:

SEE A620 FOR FINISH SCHEDULE

1

NOTES:

1. SEE ID FINISH FLOOR PLAN FOR EXTENT OF CERAMIC TILE AT ELEVATOR LOBBIES
2. SEE RCP FOR EXTENT OF GYPSUM BULKHEADS.
3. ALL CARPET IN PUBLIC SPACES TO HAVE 75 OZ. PAD AND DOUBLE GLUE DOWN INSTALLATION
4. ALL FINISHES TO COMPLY WITH SECTION 300 BUILDING AND FURNISHING OF THE MOST CURRENT EDITION OF THE HAMPTON MANUAL
5. GC TO PAINT ALL GYP. BD. ON ALL WALLS PRIOR TO VWC INSTALLATION
6. ALL STAIRS MUST BE NON SLIP WITH NOISING AND VINYL BASE.

FINISH LEGEND

FLOOR FINISH:

CONC -	STEEL TROWEL SMOOTH FINISH W/ EPOXY SEALER
VCT -	VINYL COMPOSITION TILE, SIZE AND COLOR PER ID OFFICE SELECTION
CT -	CERAMIC TILE, SIZE AND COLOR PER ID OFFICE SELECTION
PT -	PORCELAIN TILE, SIZE AND COLOR PER ID OFFICE SELECTION
QT -	QUARRY TILE, 6x6 RED COMMERCIAL KITCHEN TILE
CPT -	CARPET, PER ID OFFICE SELECTION - DOUBLE GLUE DOWN PAD IN ALL PUBLIC AREAS, TACK-STRIP INSTALLATION IN GUESTROOMS ONLY
EPOXY -	TYPICAL GARAGE PAINTABLE SYSTEM
RUBBER -	ECOSTONE INTERLOCKING RUBBER TILES

BASE FINISH:

VINYL -	4" ROLL VINYL BASE, COLOR PER ID OFFICE SELECTION
CT -	CERAMIC TILE COLOR & LENGTH TO MATCH FLOOR TILE, HEIGHT PER BRAND SPEC, COVE BASE IN "FIID SERVICE AREAS"
PT -	PORCELAIN TILE, SIZE AND COLOR PER ID OFFICE SELECTION
QT -	QUARRY TILE, 6x6 RED COMMERCIAL KITCHEN TILE, COVE BASE
CPT -	BOUND CARPET BASE, SIZE & COLOR PER ID OFFICE SELECTION
J'SNITE -	JOHNSONITE PPRE-FORMED BASE MANDALAY OR REVEL PER ID OFFICE SELECTION

WALL FINISH:

PNT -	PAINT, COLOR AND FINISH PER ID OFFICE SELECTION
VWC -	VINYL WALL COVERING, SIZE & WEIGHT PER ID OFFICE SELECTION
KNDWN -	100% ACRYLIC KNOCKDOWN, COLOR PER ID OFFICE SELECTION
FRP -	FIBERGLASS REINFORCED PANELS, WHITE WITH WHITE TRIM
CT -	CERAMIC TILE, MATCH FLOOR TILE ON PLUMBING BACK WALL TO CEILING
PT -	PORCELAIN TILE, MATCH FLOOR TILE ON PLUMBING BACK WALL TO CELINIG
VW -	VINYL WALL COVERING

CEILING FINISH:

PNT -	PAINT EXISTING STRUCTURE
PNT/GWB -	PAINT OVER GYPBOARD, COLOR & FINISH PER ID OFFICE SELECTION
ACT -	2x2 ACOUSTICAL CEILING TILE, "MARS TEGULAR FLB #86985" ON 9/16" DXT GRID IN ALL PUBLIC AREAS
VF-ACT -	2x4 VINYL FACED ACT ON 15/16" ALUMINUM
GRID -	HEALTH DEPT. APPROVAL REQ'D

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
1	04.16.26	HILTON COMMENTS

drawn by: KKJ

checked by: FTM

project no: 25-104

WINDOW/STOREFRONT SCHEDULE

A610

9/18/2026 10:29:27 AM

FINISH SCHEDULE

HAMPTON INN SUITES
LELAND NC

DATE: 9/12/2025

LOCATION	ITEM		NOTES
GUESTROOM			
Floor	CP-01	Carpet	Mohawk Broadloom Carpet HIS01 50P41-Q7435
Base	B-02	Rubber Base	Mohawk HIS23 Custom Color #147 Shoreline 4.5" H
Carpet Pad	CPP-01	Pad	Sponge Cushion BV0147 Δ3 Synthetic Rubber
Walls-Main	SF-01	Paint/Textured	Knockdown (Light Damascus) Sherwin Williams SW 7636 Origami White
Walls-Accent	WC-01	VWC	Montex NA-SCN-5078
Ceiling Paint	PT-01	Paint	Sherwin Williams SW 7006 Extra White Flat
Built-in Cornice		Paint	Sherwin Williams SW 7636 Origami White
Corner Guards	WP-01	Corner Guard	Inpro White Sand 0103
Entry	T-01	Tile	Daltile SA06 Slate Attaché Meta Light Grey 12" x 24"
Base	B-01	Tile	Daltile Slate Attaché Bullnose Meta Light Gray SA06
Entry-Grout		Grout	Mapei Color: 02 Pewter
Wetbar Cabinet(Suites)	PL-01	Plastic Laminate	Wisonart Pasadena Oak 7986 Softgrain
Wetbar Counter Top (Suites)	ST-01	Quartz	Wilsonart Desert View Q4043
Door		Plastic Laminate	Wisonart Pasadena Oak 7986
Door Frame	PT-03	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
Window Sill	ST-02	Quartz	Wilsonart Frozen Q6023
GUEST BATH			
Floor	T-01	Tile	Daltile SA06 Slate Attaché Meta Light Grey 12" x 24"
Grout		Grout	Mapei Color: 02 Pewter
Base	B-01	Tile	Slate Attaché Bullnose Meta Light Gray SA06
Roll-in Shower/Accessible Bath		Tile	
Vanity and Top	ST-01	Quartz	Wilsonart Desert View Q4043
Vanity Mirror/Light			FF&E
Walls	WC-02	VWC	Wolf Gordon WG 33313794
Tub Surround/shower/soap dish		Mincey Marble	
Ceiling Paint	PT-02	Paint	Sherwin Williams SW 7006 Extra White (Smooth)
Corner Guards	WP-02	Corner Guard	Inpro 0387 Pebble Gray
Door	PT-03	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
Door Frame	PT-03	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
CORRIDORS			
Floor	CP-10	Carpet	Mohawk HIS04 50P41-R5725 Tufted Broadloom
Door Fill	CP-10.1	Carpet	Mohawk HIS31 50P41-R4277
Base	B-13ALT	Carpet	Mohawk HIS17 Color Study 30 - #858 Tooled Suede 4"
Walls- 1st Floor	WC-10	Vinyl Wallcovering	Wolf Gordon WG 33190955 Pando Birch PND9189
Walls-2nd - 4th Floors	WC-10	Vinyl Wallcovering	Wolf Gordon WG 33190955 Pando Birch PND9189
Walls-Window Wall	PT-18	Accent Paint	Sherwin Williams SW 6226 Languid Blue Eggshell
Corner Guards			TBD
Ceiling		ACT	Tegular (Brand Standards)
Accent Ceiling	PT-10	Paint	Sherwin Williams SW 6226 Languid Blue Flay
Doors		Plastic Laminate	Wisonart Pasadena Oak 7986
Door Frame	PT-14	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss

1

HAMPTON INN SUITES
LELAND NC

Corner Guards	WP-14	Corner Guards	Inpro Sterling 0283
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
LOBBY			
Floor	T-10	Tile	Daltile Slate Attache Meta Light Gray SA06 12" x 24"
Grout		Grout	Mapie Color: 02 Pewter
Base	B-10	Tile	Daltile Slate Attache Bullnose Meta Light Gray SA06 4" x 24"
Carpet Insert	CP-11	Carpet	Mohawk HI508 D95249 QG221001C Second Wave 144"W x 144"L
Walls	WC-11	Vinyl Wallcovering	Wolf Gordon GOH 32951538 Islay Color: Fleece
Walls	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
Accent Wall	WC-15	Vinyl Wallcovering	National Solutions KGH2102 Horizon Weave Cloud
Accent -Columns	WC-12	Vinyl Wallcovering	Wolf Gordon WG 33132396 Leiden Color: Blush
Bulkheads	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
Corner Guards	WP-10	Corner Guards	Inpro Taupe 0113
Corner Guards	WP-11	Corner Guards	Inpro Serenity 0166
Corner Guards-Accent	WP-13	Corner Guards	Inpro Khaki Brown 0118
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
FLEX SEATING			
Floor	CP-12	Carpet	Mohawk HIS10 D95231 L1213004 C Second Wave
Base	B-14ALT	Carpet	Mohawk HIS21 Color Study 30 - #935 Misty Fog 4"
Walls-Main	WC-15	Vinyl Wallcovering	National Solutions KGH2102 Horizon Weave Cloud
Accent	WC-16	Vinyl Wallcovering	National Solutions KGH2103 Woodgrain Oak
Accent Trim	PT-20	Paint	Sherwin Williams SW 6226 Languid Blue Eggshell
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
Corner Guards	WP-11	Corner Guards	Inpro Serenity 0166
PANTRY			
Floor	T-10	Tile	Daltile Slate Attache Meta Light Gray SA06 12" x 24"
Grout		Grout	Mapie Color: 02 Pewter
Base	B-10	Tile	Daltile Slate Attache Bullnose Meta Light Gray SA06 4" x 24"
Walls-Main	WC-17	Vinyl Wallcovering	MDC HLTN2011
Accent Wall	WC-15	Vinyl Wallcovering	National Solutions KGH2102 Horizon Weave Cloud
Wall Tile	T-14	Tile	Daltile Stagecraft 0790 Matte Arctic White 3" x 12"
Grout		Grout	Mapei Color: 93 Warm Gray
Graphic	SF-11	Custom Graphic	FF&E (hotelsigns.com)
Accent Trim	PT-20	Paint	Sherwin Williams SW 6226 Languid Blue Eggshell
Accent Paint @ Millwork	PT-21	Accent Paint	Sherwin Williams SW 6677 Goldenrod Satin
Accent Paint @ Millwork	PT-22	Accent Paint	Sherwin Williams SW 6599 Begonia Satin
Accent Paint @ Millwork	PT-23	Accent Paint	Sherwin Williams SW 6887 Navel Satin
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
Serving Cabinetry Top	ST-11	Quartz	Wilsonart Vicentia Q4063
Serving Millwork	PL-10	Plastic Laminate	Wilsonart Pasadena Oak #7986 Softgrain 12
Corner Guards	WP-10	Corner Guards	Inpro Taupe 0113
Corner Guards	WP-11	Corner Guards	Inpro Serenity 0166
FOOD PREP			
Floor	T-11	Tile	Daltile Quarry Tile Arid Gray 0Q42 6X6

3

HAMPTON INN SUITES
LELAND NC

MEETING ROOM STORAGE CLOSET			
Floor	CP-12	Carpet	Mohawk HIS10 D95231 L1213004 C Second Wave
Base			
Walls	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
Doors		Plastic Laminate	Wisonart Pasadena Oak 7986
Door Frame	PT-14	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
EMPLOYEE BREAK ROOM			
Floors	RF-11	LVT	Mohawk HIS15 Second Home Studio #232 ARDEN
Base	B-15	Resilient Base	Tarkett MW-T45-F TA5 Colonel Grey 4"
Walls	PT-20	Paint	Sherwin Williams SW 6226 Languid Blue Eggshell
Millwork	PL-10	Plastic Laminate	Wilsonart Pasadena Oak #7986 Softgrain 12
Counter Top	PL-11	Plastic Laminate	Wilsonart Quartz Frost - 5031K Textured Gloss Finish
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
EMPLOYEE BATHROOM			
Floors	RF-11	LVT	Mohawk HIS15 Second Home Studio #232 ARDEN
Base	B-15	Resilient Base	Tarkett MW-T45-F TA5 Colonel Grey 4"
Walls	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
GUEST LAUNDRY			
Floors	T-10	Tile	Daltile Slate Attache Meta Light Gray SA06 12" x 24"
Grout		Grout	Mapie Color: 02 Pewter
Base	B-10	Tile	Daltile Slate Attache Bullnose Meta Light Gray SA06 4" x 24"
Walls	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
Walls-Accent	WC-18	Vinyl Wallcovering	Wolf Gordon GOH 33032702 Ridgeline Color: Aegean
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
Doors		Plastic Laminate	Wisonart Pasadena Oak 7986 **With Window
Door Frame	PT-14	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
Counter Top	ST-11	Quartz	Wilsonart Vicentia Q4063
FITNESS ROOM			
Floor	RF-10	Rubber Floor	Ecore Basic Fit EL15A Steel Appeal 2
Base	B-16	Resilient Base	Tarkett MW-TA5-F Reveal Millwork TA5 Colonial Grey
Walls	WC-19	Vinyl Wallcovering	Momentum NA-SCN-294 Infinite Blue
Accent Wall	WC-20	Vinyl Wallcovering	Momentum NA-SCN-001 Blue Hue
Wall-Feature/Graphic	WC-21	Vinyl Wallcovering	Momentum DP-5853-04 Silk Slub
Walls-Mirror	MR-10	Polished Plate Glass Mirror	
Walls-Accent Trim @ Mirrors	PT-21	Accent Paint	Sherwin Williams SW 6677 Goldenrod Satin
Walls-Accent Trim @ Mirrors	PT-22	Accent Paint	Sherwin Williams SW 6599 Begonia Satin
Walls-Accent Trim @ Mirrors	PT-23	Accent Paint	Sherwin Williams SW 6887 Navel Satin
Millwork/Hydration Station	PL-10	Plastic Laminate	Wilsonart Pasadena Oak #7986 Softgrain 12
Countertop	ST-11	Quartz	Wilsonart Vicentia Q4063
Ceiling		ACT	Tegular (Brand Standards)
Doors & door frame		Storefront	
Corner Guards	WP-15	Corner Guards	Inpro Point Blue 0165
Corner Guards-Accent	WP-16	Corner Guards	Inpro Blue Mist 0324

5

HAMPTON INN SUITES
LELAND NC

Base	B-15	Resilient Base	Tarkett MW-T45-F TA5 Colonel Grey 4"
Walls	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
Doors	PT-15	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
Door Frame	PT-14	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
VENDING			
Floors	T-10	Tile	Daltile Slate Attache Meta Light Gray SA06 12" x 24"
Grout		Grout	Mapie Color: 02 Pewter
Base	B-10	Tile	Daltile Slate Attache Bullnose Meta Light Gray SA06 4" x 24"
Walls-1st Floor	WC-11	Vinyl Wallcovering	Wolf Gordon GOH 32951538 Islay Color: Fleece
Walls-Floors 2-4	WC-10	Vinyl Wallcovering	Wolf Gordon WG 33190955 Pando Birch PND9189
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
STAIRWELLS			
Floors-Landings-1st Floor	T-10	Tile	Daltile Slate Attache Meta Light Gray SA06 12" x 24"
		Grout	Mapie Color: 02 Pewter
Base	B-10	Tile	Daltile Slate Attache Bullnose Meta Light Gray SA06 4" x 24"
Floors-Landings-Floors 2-4	CP-13	Carpet	Mohawk HIS12 Collective Balance #575 Twilight
Stairs	CP-13	Carpet	Mohawk HIS12 Collective Balance #575 Twilight
Stair Nosing			
Base	B-15	Resilient Base	Tarkett MW-T45-F TA5 Colonel Grey 4"
Walls	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
Stair Railings	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
PATIOS			
Stamped Concrete			
ENTRANCES & PORCHES			
Stamped Concrete			

7

HAMPTON INN SUITES
LELAND NC

ELEVATOR LOBBY-1st Floor			
Floors	T-10	Tile	Daltile Slate Attache Meta Light Gray SA06 12" x 24"
Grout		Grout	Mapie Color: 02 Pewter
Base	B-10	Tile	Daltile Slate Attache Bullnose Meta Light Gray SA06 4" x 24"
Walls	WC-14	Vinyl Wallcovering	Wolf Gordon WG-33024277 Brushmark Color: Beige
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
Corner Guards	WP-12	Corner Guards	Inpro Clam Shell 0154
ELEVATOR LOBBY-Floors 2-4			
Floors	CP-10	Carpet	Mohawk HIS04 50P41-R5725 Tufted Broadloom
Base	B-13ALT	Carpet	Mohawk HIS17 Color Study 30 - #858 Tooled Suede 4"
Walls	WC-10	Vinyl Wallcovering	Wolf Gordon WG 33190955 Pando Birch PND9189
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
Corner Guards	WP-12	Corner Guards	Inpro Clam Shell 0154
ELEVATOR			
Door			Outside - Brushed Stainless
Cab			Inside - Brushed Stainless
Rail			Brushed Stainless
Base			Recessed 3" metal base
Ceiling			Brushed Stainless
Floor	T-10	Tile	Daltile Slate Attache Meta Light Gray SA06 12" x 24"
Grout (for tile floor)		Grout	Mapie Color: 02 Pewter
Wall Laminate			Wilsonart Pasadena Oak #7986
Wall Background (Reveals)			Black
RECEPTION/WELCOME AREA			
Floor	T-10	Tile	Daltile Slate Attache Meta Light Gray SA06 12" x 24"
Grout		Grout	Mapie Color: 02 Pewter
Base	B-10	Tile	Daltile Slate Attache Bullnose Meta Light Gray SA06 4" x 24"
Wall behind Front Desk		Artwork/Graphic	Wood Frame (connected to ceiling) with graphic
Walls-Main	WC-11	Vinyl Wallcovering	Wolf Gordon GOH 32951538 Islay Color: Fleece
Walls/Soffits	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
Millwork	W-10	Wood Stain	To match Wilsonart Pasadena Oak 7986
Millwork	PL-10	Plastic Laminate	Wilsonart Pasadena Oak #7986 Softgrain 12
Front Desk Top & Work Surface	ST-10	Quartz	Wilsonart Fossa Falls Q4065
Corner Guards	WP-10	Corner Guards	Inpro Taupe 0113
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
Doors		Plastic Laminate	Wilsonart Pasadena Oak #7986
Door Frame	PT-14	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
SUITE/TREAT SHOP			
Floor	T-10	Tile	Daltile Slate Attache Meta Light Gray SA06 12" x 24"
Tile Grout		Grout	Mapie Color: 02 Pewter
Base	B-10	Tile	Daltile Slate Attache Bullnose Meta Light Gray SA06 4" x 24"
Cabinetry/Millwork/Shelving	PL-10	Plastic Laminate	Wilsonart Pasadena Oak #7986 Softgrain 12
Countertop	ST-11	Quartz	Wilsonart Vicentia Q4063
Header Paint	PT-25	Paint	Sherwin Williams SW 6235 Foggy Day Flat
Walls	WC-13	Vinyl Wallcovering	National Solutions KGH2105 City Eclipse

2

HAMPTON INN SUITES
LELAND NC

Grout		Grout	Mapei Color: 11 Sahara Beige
Base	B-11	Quarry Tile	Daltile Quarry Tile Arid Gray 0Q42 5" x 6" Cove
Walls	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
Door (from Pantry)	PT-17	Accent Paint	Sherwin Williams SW 6677 Goldenrod Semi Gloos
Door Frame	PT-16	Accent Paint	Sherwin Williams SW 6677 Goldenrod Semi Gloos
Ceiling		ACT	
LAUNDRY (Housekeeping)			
Floor	SDT-10	VCT	Tarkett iQ Granit SD GRTSD-JT 948 Grey 24" x 24"
Base	B-15	Resilient Base	Tarkett MW-T45-F TA5 Colonel Grey 4"
Doors		Plastic Laminate	Wisonart Pasadena Oak 7986
Door Frame	PT-14	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
Walls	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
Ceiling		ACT	
LINEN CHUTE ROOM Floors 2-4			
Floors	SDT-10	VCT	Tarkett iQ Granit SD GRTSD-JT 948 Grey 24" x 24"
Base	B-15	Resilient Base	Tarkett MW-T45-F TA5 Colonel Grey 4"
Walls	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
Doors		Plastic Laminate	Wisonart Pasadena Oak 7986
Door Frame	PT-14	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
WORK AREA			
Floor	CP-13	Carpet	Mohawk HIS12 Collective Balance #575 Twilight
Base	B-15	Resilient Base	Tarkett MW-T45-F TA5 Colonel Grey 4"
Walls	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
Doors	PT-15	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
Door Frame	PT-14	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
Millwork	PL-10	Plastic Laminate	Wilsonart Pasadena Oak #7986 Softgrain 12
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
MANAGERS OFFICE/SALES OFFICE			
Floor	CP-13	Carpet	Mohawk HIS12 Collective Balance #575 Twilight
Base	B-15	Resilient Base	Tarkett MW-T45-F TA5 Colonel Grey 4"
Walls	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
Doors	PT-15	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
Door Frame	PT-14	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
MEETING ROOM			
Floor	CP-12	Carpet	Mohawk HIS10 D95231 L1213004 C Second Wave
Base	B-14ALT	Carpet	Mohawk HIS21 Color Study 30 - #935 Misty Fog 4"
Walls	WC-11	Vinyl Wallcovering	Wolf Gordon GOH 32951538 Islay Color: Fleece
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
Doors		Plastic Laminate	Wisonart Pasadena Oak 7986
Door Frame	PT-14	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
Corner Guards	WP-10	Corner Guards	Inpro Taupe 0113
Millwork	PL-10	Plastic Laminate	Wilsonart Pasadena Oak #7986 Softgrain 12
Counter Top	ST-11	Quartz	Wilsonart Vicentia Q4063

4

HAMPTON INN SUITES
LELAND NC

PUBLIC RESTROOM			
Floors	T-10	Tile	Daltile Slate Attache Meta Light Gray SA06 12" x 24"
Grout		Grout	Mapie Color: 02 Pewter
Base	B-10	Tile	Daltile Slate Attache Bullnose Meta Light Gray SA06 4" x 24"
Plumbing/Wet Wall	T-15	Tile	Daltile Color Wheel 0190 Arctic White Linear 4" x 12"
Grout - Walls		Grout	Mapei Color: 93 Warm Gray
Walls	WC-13	Vinyl Wallcovering	National Solutions KGH2105 City Eclipse
Doors		Plastic Laminate	Wisonart Pasadena Oak 7986
Door Frame	PT-14	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
Vanity top, apron & backsplash	ST-11	Quartz	Wilsonart Vicentia Q4063
Corner Guards	WP-14	Corner Guards	Inpro Sterling 0283
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
VESTIBULE & CART STORAGE			
Floor	T-10	Tile	Daltile Slate Attache Meta Light Gray SA06 12" x 24"
Grout		Grout	Mapie Color: 02 Pewter
Base	B-10	Tile	Daltile Slate Attache Bullnose Meta Light Gray SA06 4" x 24"
Walls	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
Ceilings	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
POOL-Outdoor			
Tile - Water Line	T-16	Tile	Mosaic Tile-Daltile-Revalia Remix RV33 Radiant Blue, Glossy 3" Fan Mosaic, 13-3/4" x 13-3/4" Sheet
Grout		Grout	Mapei Color: 01 Alabaster
POOL TOILET			
Floor		Concrete or Epoxy Finish	
Walls (Full Height)		Tile	
Wall Grout			
Ceiling	PT-12	Paint	Sherwin Williams SW 7006 Epoxy Paint Extra White
Doors & door frame		Paint	To match Exterior Finishes
POOL EQUIPMENT/MECHANICAL ROOM			
Floor			Sealed Concrete
Base	B-15	Resilient Base	Tarkett MW-T45-F TA5 Colonel Grey 4"
Walls	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
Doors & door frame		Paint	To match Exterior Finishes
Ceilings	PT-12	Paint	Sherwin Williams SW 7006 Epoxy Paint Extra White
COMPUTER/ PBX			
Floor	SDT-10	VCT	Tarkett iQ Granit SD GRTSD-JT 948 Grey 24" x 24"
Base	B-15	Resilient Base	Tarkett MW-T45-F TA5 Colonel Grey 4"
Walls	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
Ceiling			
Doors	PT-15	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
Door Frame	PT-14	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
LINEN STORAGE			
Floor	SDT-10	VCT	Tarkett iQ Granit SD GRTSD-JT 948 Grey 24" x 24"
Base	B-15	Resilient Base	Tarkett MW-T45-F TA5 Colonel Grey 4"
Walls	PT-19	Paint	Sherwin Williams SW 9165 Gossamer Veil Eggshell
Ceiling	PT-11	Paint	Sherwin Williams SW 7006 Extra White Flat
Doors		Plastic Laminate	Wisonart Pasadena Oak 7986
Door Frame	PT-14	Paint	Sherwin Williams SW 7548 Portico Semi-Gloss
STORAGE / ELECTRICAL / MECHANICAL/MAINTENANCE/WATER HEATER ROOM			
Floor			Sealed Concrete

6

SHEET ADDED

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

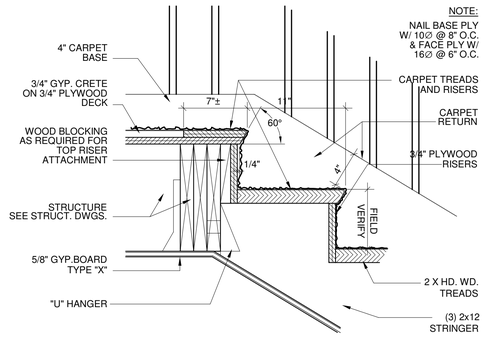
Revision	Date	Description
1	04.16.26	HILTON COMMENTS

drawn by: Author
checked by: Checker
project no: 25-104

FINISH SCHEDULE

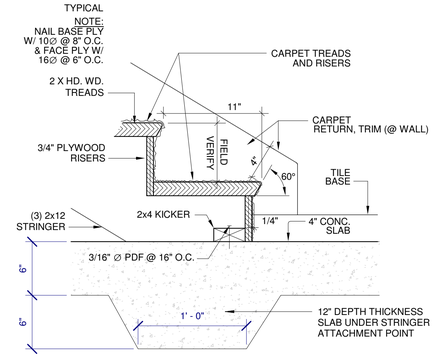
A620

9/18/2026 10:29:32 AM



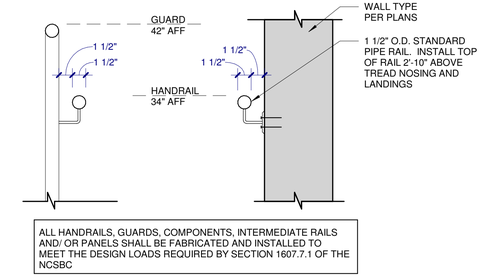
STAIR RUN DETAIL w/ RAILING (E)

1 1/2" = 1'-0"



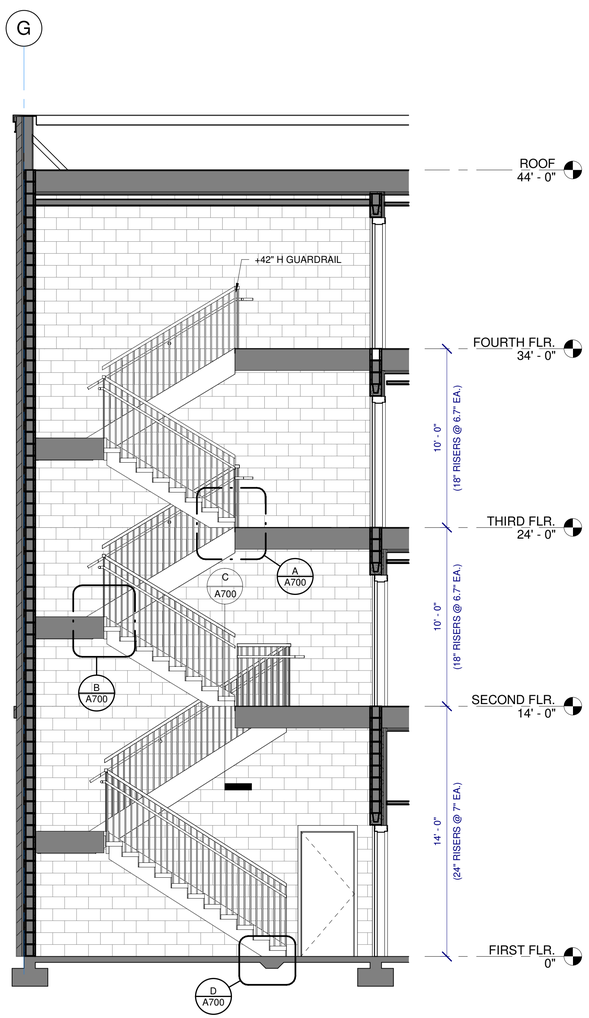
STAIR CONNECTION DETAIL @ WALL (D)

1 1/2" = 1'-0"



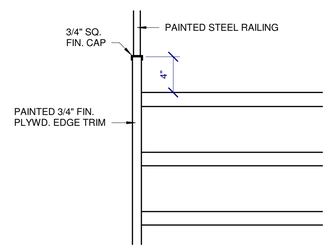
STAIR RAIL DETAIL (C)

1 1/2" = 1'-0"



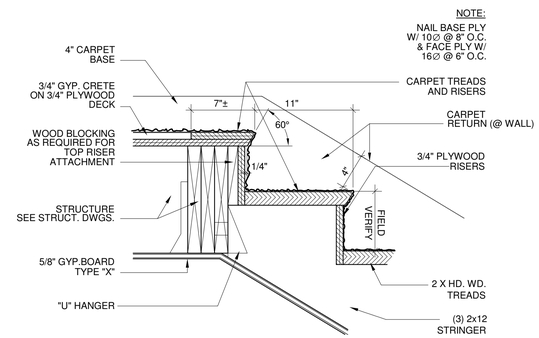
STAIR #1 SECTION (4)

1/4" = 1'-0"



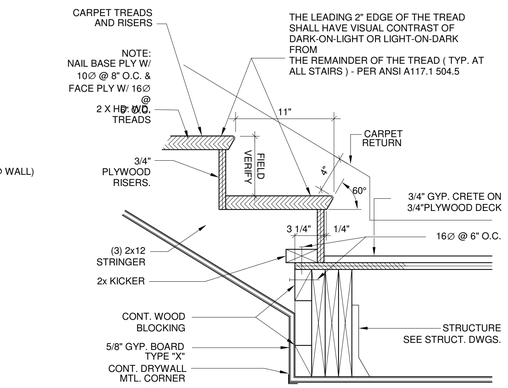
STAIR CONNECTION DETAIL w/ RAILING (F)

1 1/2" = 1'-0"



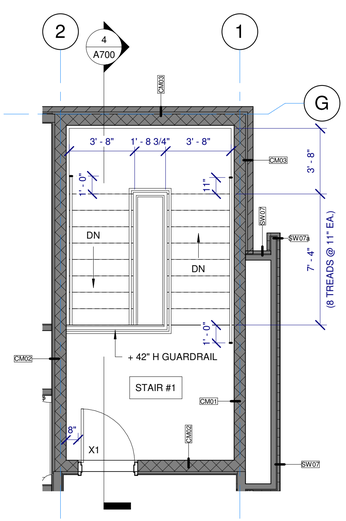
STAIR RUN DETAIL @ WALL (B)

1 1/2" = 1'-0"



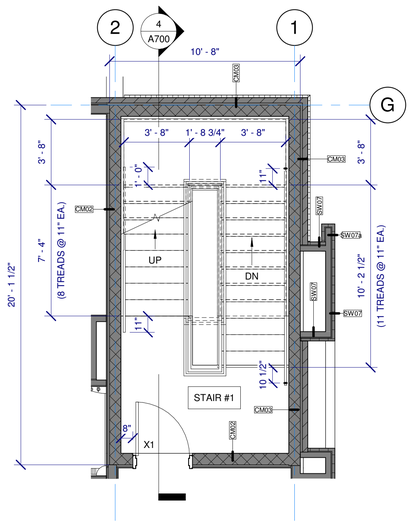
STRINGER @ LANDING DETAIL (A)

1 1/2" = 1'-0"



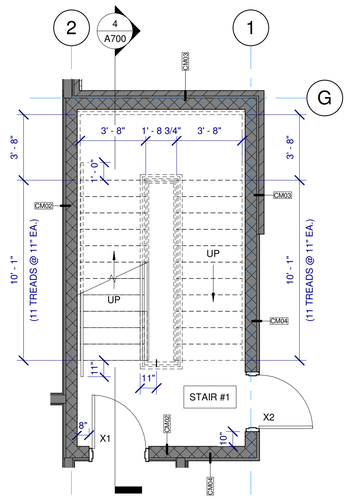
STAIR #1 - FOURTH FLOOR (3)

1/4" = 1'-0"



STAIR #1 - TYPICAL FLOOR (2)

1/4" = 1'-0"



STAIR #1 - FIRST FLOOR (1)

1/4" = 1'-0"

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

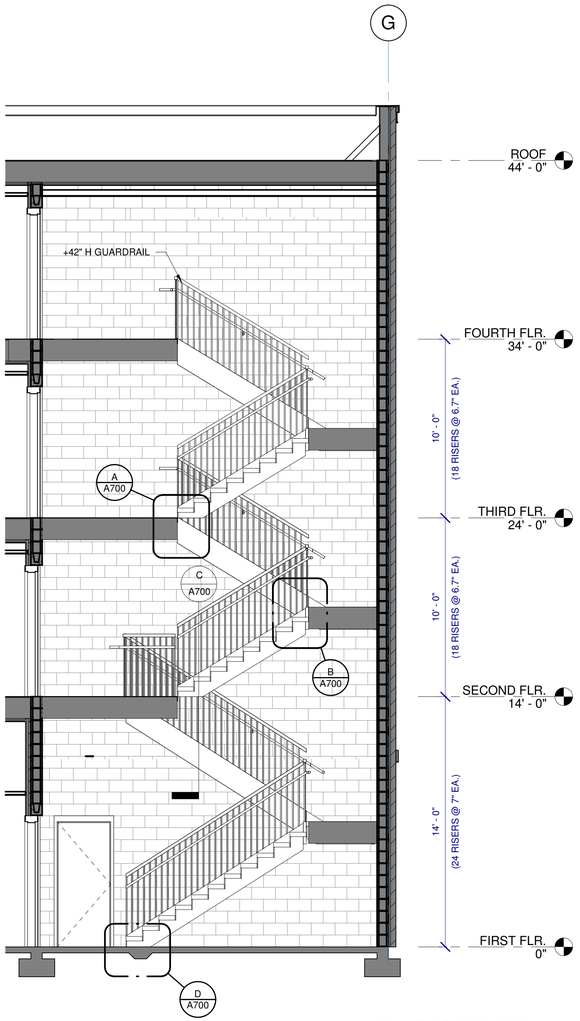
Revision	Date	Description

drawn by: KKJ
checked by: FTM
project no: 25-104

STAIR DETAILS

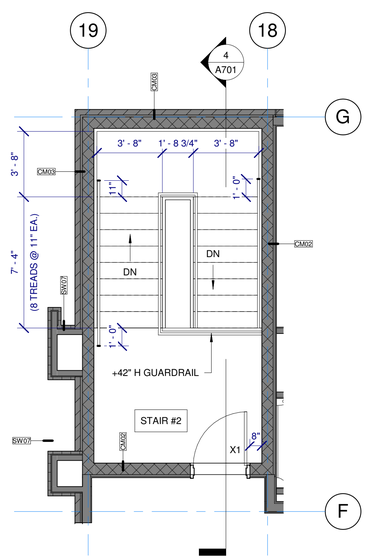
A700

9/18/2026 10:29:38 AM



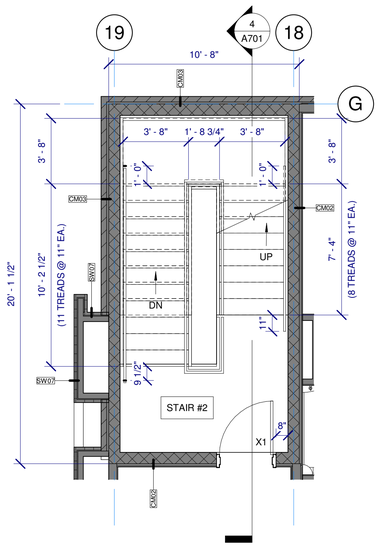
STAIR #2 SECTION 4

1/4" = 1'-0"



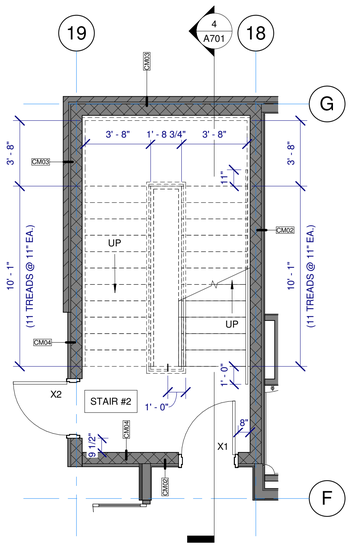
STAIR #2 - FOURTH FLOOR 3

1/4" = 1'-0"



STAIR #2 - TYPICAL FLOOR 2

1/4" = 1'-0"



STAIR #2 - FIRST FLOOR 1

1/4" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
RESPONSIBLE ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: Author

checked by: FTM

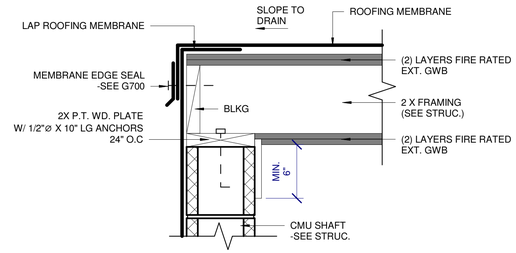
project no: 25-104

STAIR DETAILS

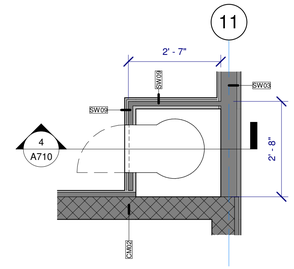
A701

9/18/2026 10:29:42 AM

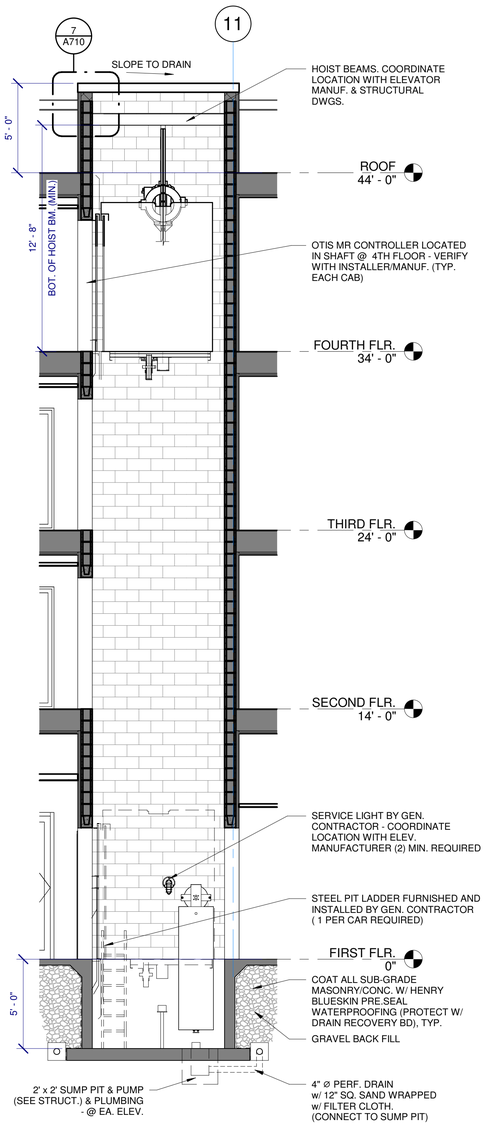
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



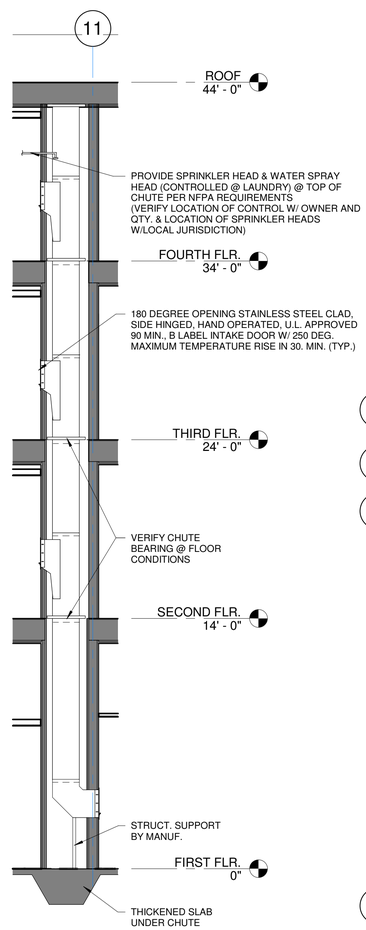
ELEV. ROOF DETAIL 7
1 1/2" = 1'-0"



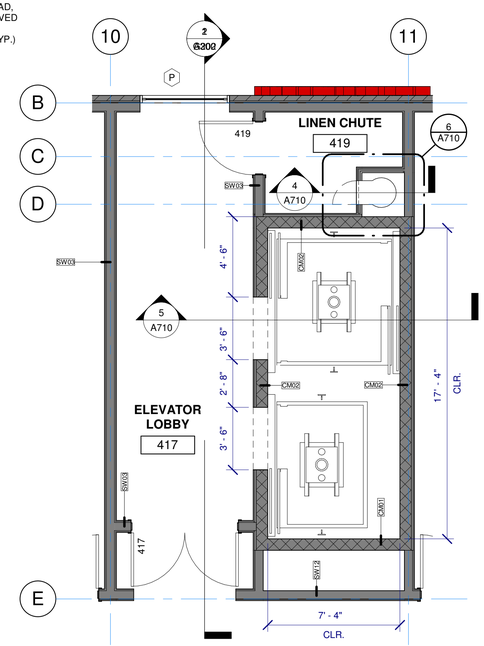
LINEN CHUTE PLAN 6
1/2" = 1'-0"



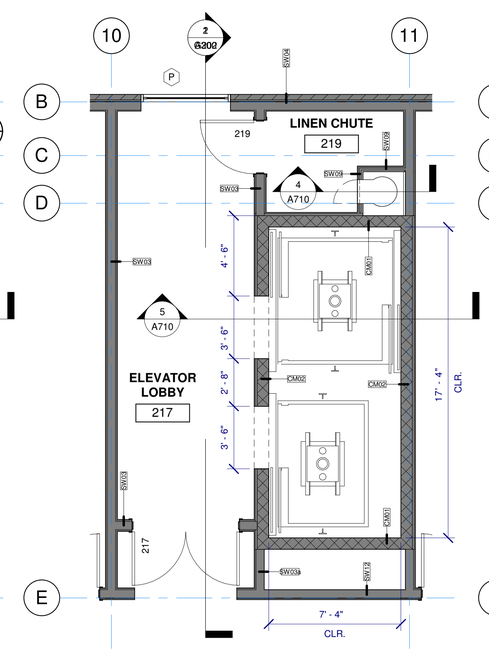
ELEVATOR SECTION 5
1/4" = 1'-0"



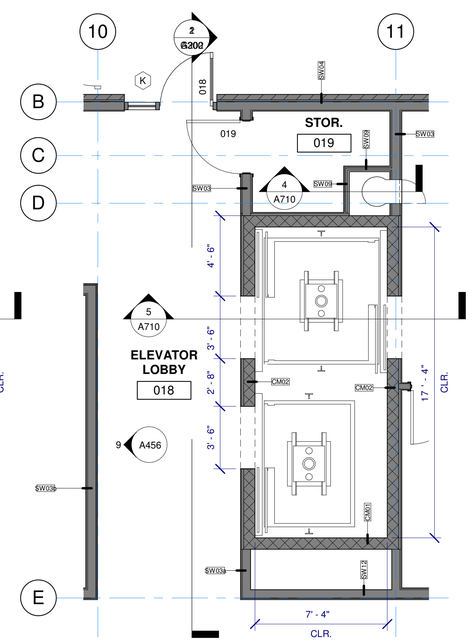
LINEN CHUTE SECTION 4
1/4" = 1'-0"



ELEVATOR PLAN - 4TH FLOOR 3
1/4" = 1'-0"



ELEVATOR PLAN - 2ND-3RD FLOOR 2
1/4" = 1'-0"



ELEVATOR PLAN - 1ST FLOOR 1
1/4" = 1'-0"

ELEVATOR NOTES

OTIS GEN ELEVATORS - (1) 2,500 LBS (1) 3500 LB. MACHINE ROOMLESS (MR)

WORK NOT INCLUDED IN ELEVATOR CONTRACT * THE FOLLOWING PREPARATORY WORK IS REQUIRED IN ORDER TO PROPERLY INSTALL THE ELEVATOR EQUIPMENT. THE COST OF THIS WORK IS NOT INCLUDED IN THE ELEVATOR PROPOSAL SINCE IT IS A PART OF THE BUILDING CONSTRUCTION.

1. A PLUMB AND LEGAL HOISTWAY, PROPERLY FRAMED AND ENCLOSED AND INCLUDING A PIT OF PROPER DEPTH, AND A PIT LADDER FOR EACH ELEVATOR. DRAINS, LIGHTS, ACCESS DOORS, WATERPROOFING, AND HOISTWAY VENTILATION, AS REQUIRED.

2. AN ELEVATOR EQUIPMENT SPACE WITH ELECTRICAL WORK OUTLETS, ADEQUATE LIGHTING, HEATING AND VENTILATION SUFFICIENT TO MAINTAIN A TEMPERATURE OF 50 DEG F MINIMUM TO 100 DEG F MAXIMUM

3. ADEQUATE SUPPORTS AND FOUNDATIONS TO CARRY THE LOADS OF ALL EQUIPMENT, INCLUDING SUPPORTS FOR GUIDE RAIL BRACKETS.

4. COMPLETE CONNECTIONS FROM THE ELECTRIC POWER MAINS TO EACH CONTROLLER, INCLUDING NECESSARY CIRCUIT BREAKERS AND FUSED MAINLINE DISCONNECT SWITCHES.

5. ELECTRIC POWER OF THE SAME CHARACTERISTICS AS THE PERMANENT SUPPLY WITHOUT CHARGE FOR CONSTRUCTION, TESTING AND ADJUSTING.

6. PROPER TRENCHING AND BACKFILLING FOR ANY UNDERGROUND PIPING OR CONDUIT.

7. DIVIDER BEAMS FOR RAIL BRACKET SUPPORT AS REQUIRED.

8. CUTTING OF WALLS, FLOOR, ETC. AND REMOVAL OF SUCH OBSTRUCTIONS AS MAY BE NECESSARY FOR PROPER INSTALLATION OF THE ELEVATOR. SETTING OF ANCHORS AND SLEEVES.

9. GROUTING OF DOOR SILLS, HOISTWAY FRAMES, AND SIGNAL FIXTURES AFTER INSTALLATION OF ELEVATOR EQUIPMENT.

10. ALL PAINTING, EXCEPT AS OTHERWISE SPECIFIED.

11. TEMPORARY ENCLOSURES OR OTHER PROTECTION FROM OPEN HOISTWAYS AND ELEVATOR WORK AREA DURING THE TIME THE ELEVATOR IS BEING INSTALLED.

12. TEMPORARY ELEVATOR SERVICE PRIOR TO COMPLETION AND ACCEPTANCE OF COMPLETE INSTALLATION.

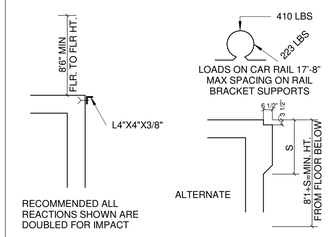
13. HEAT AND SMOKE SENSORS AS REQUIRED IN ACCORDANCE WITH NFPA ** #72E AND ANSI/ASME A17.1.***

14. ALL TELEPHONE WIRING TO CONTROL PANEL, AND INSTALLATION OF TELEPHONE INSTRUMENT IN ELEVATOR CAB WITH ALL CONNECTIONS TO ELEVATOR TRAIL CABLE AND IN MACHINE ROOMS.

15. AN EMERGENCY POWER SOURCE, INCLUDING NECESSARY TRANSFER SWITCHES AND AUXILIARY CONTACTS, WHERE ELEVATOR OPERATION FROM AN ALTERNATE POWER SUPPLY IS REQUIRED.

16. ADEQUATE STORAGE FACILITIES FOR ELEVATOR EQUIPMENT PRIOR TO AND DURING INSTALLATION.

*REFER TO ELEVATOR DRAWINGS FOR DETAILS OF EACH REQUIREMENT
**NATIONAL FIRE PROTECTION CODE
***SAFETY CODE FOR ELEVATORS AND ESCALATORS



NOTE:

ELEVATORS AND ELEVATOR EQUIPMENT VENTILATION SYSTEMS
TO BE FURNISHED WITH STANDBY POWER PER SECTION 3003.

AN ELEVATOR SHALL BE REQUIRED TO PROVIDE EMERGENCY OPERATION AND SIGNALING PER SECTION 2.27 OF ASME A17.1, AND STANDBY POWER PER CHAPTER 27 AND IBC SECTION 3003

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9993

OLIVE ARCHITECTURE, PLLC
ARCHITECTURAL COMPANY
REGISTERED
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURRAY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

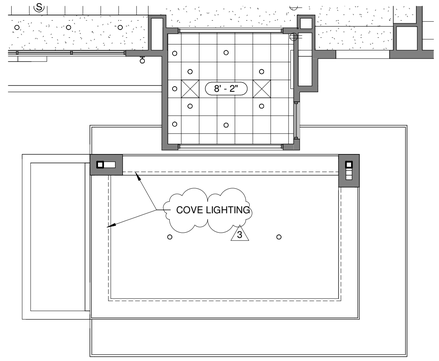
drawn by: KKJ
checked by: FTM
project no: 25-104

ELEVATOR & CHUTE DETAILS

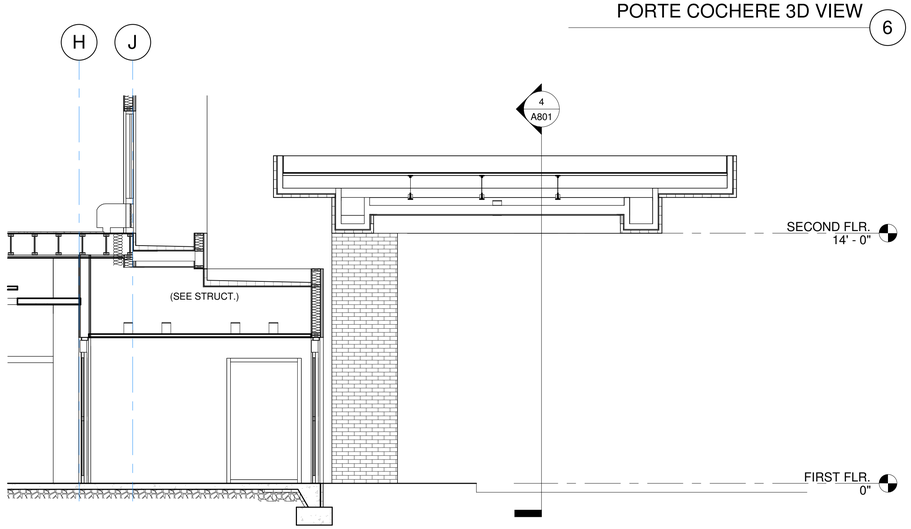
A710

9/18/2026 10:29:50 AM

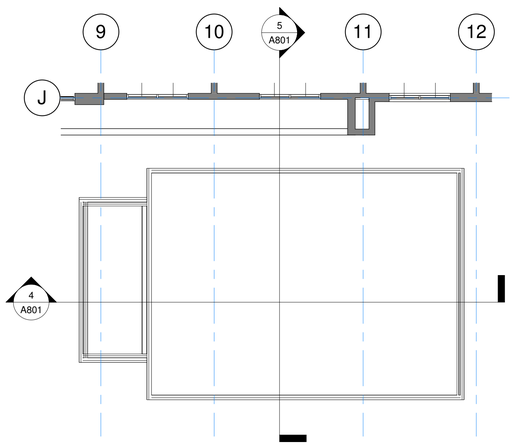
PORTE COCHERE 3D VIEW 6



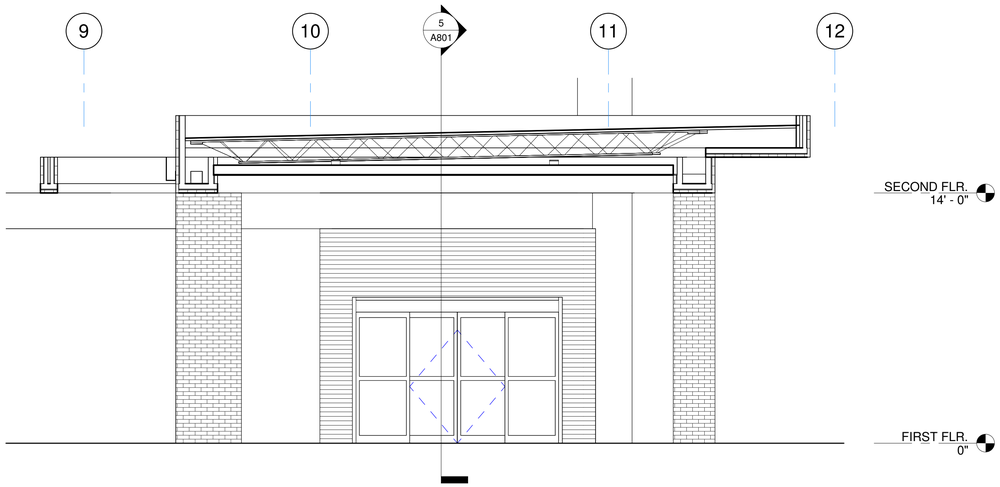
PORTE COCHERE - RCP 3
1/8" = 1'-0"



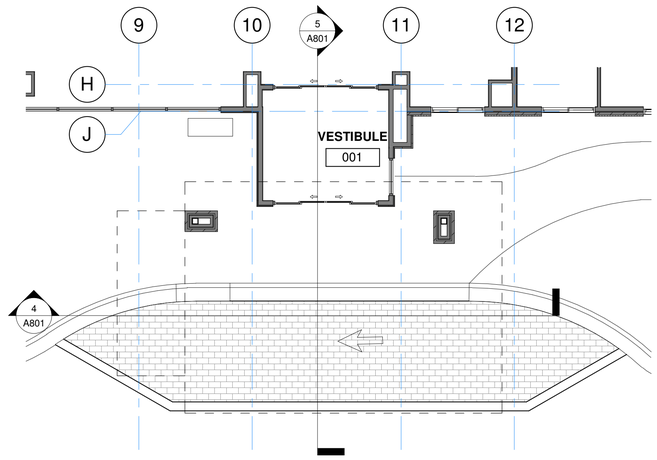
SECTION THRU PORTE COCHERE 1 5
1/4" = 1'-0"



PORTE COCHERE ROOF PLAN 2
1/8" = 1'-0"



SECTION THRU PORTE COCHERE 2 4
1/4" = 1'-0"



PORTE COCHERE PLAN 1
1/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description
3	09.16.26	CLARIFICATIONS

drawn by:
KKJ

checked by:
FTM

project no:
25-104

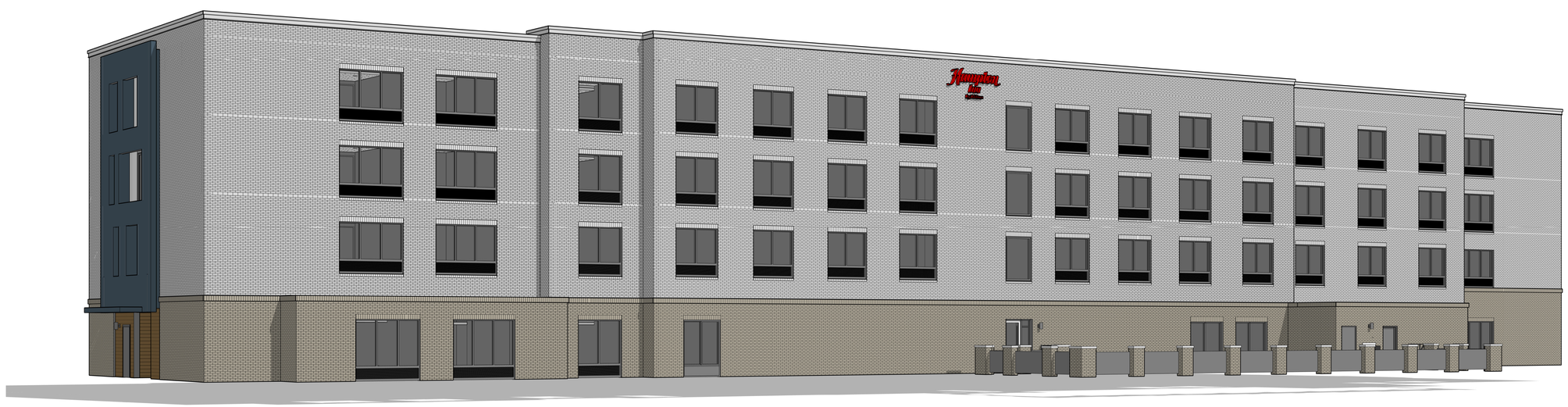
PORTE COCHERE
PLAN & DETAILS

A801

9/18/2026 10:29:57 AM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERSPECTIVE VIEW 1 (1)



PERSPECTIVE VIEW 2 (2)

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9993

OLIVE ARCHITECTURE, PLLC
REGISTERED ARCHITECTURAL COMPANY
52411
NORTH CAROLINA
RALEIGH, N.C.

FRANK T. MURPHY
REGISTERED ARCHITECT
5249
NORTH CAROLINA
RALEIGH, N.C.
09/17/2026

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
1ST	25% Set	09/04/2025
2ND	25% Set Resubmittal	10/30/2025
3RD	50% Set	10/31/2025
4TH	Owner Set	12/10/2025
5TH	Permit Set	09/17/2025

revisions:

Revision	Date	Description

drawn by: KKJ
checked by: FTM
project no: 25-104

PERSPECTIVES

A900

9/18/2026 10:30:30 AM

STRUCTURAL GENERAL NOTES

I. GENERAL

A. CONTRACT DOCUMENTS: THIS SET OF STRUCTURAL DRAWINGS IS INCOMPLETE APART FROM THE COMPLETE COLLECTION OF CONSTRUCTION DOCUMENTS FOR THIS PROJECT. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS, ARCHITECTURAL, CIVIL, LANDSCAPE, MECHANICAL, ELECTRICAL, PLUMBING, AND GEOTECHNICAL DOCUMENTS.

B. NON-COMPLIANCE: ANY WORK THAT IS PERFORMED OR INSTALLED IN NON-COMPLIANCE WITH THE CONTRACT DOCUMENTS SHALL BE SUBJECT TO REMOVAL AT THE CONTRACTOR'S EXPENSE.

C. DISCREPANCIES: WHERE THERE APPEAR TO BE DISCREPANCIES, DEFICIENCIES, OMISSIONS, CONTRADICTIONS, OR AMBIGUITIES BETWEEN INFORMATION SHOWN ON THE STRUCTURAL DRAWINGS AND ANY OTHER DISCIPLINE, OR WHERE PORTIONS OF THE WORK CANNOT BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ISSUES TO THE ATTENTION OF THE ARCHITECT AND THE STRUCTURAL ENGINEER FOR CLARIFICATION OR RESOLUTION. CLARIFICATIONS, CORRECTIONS, OR COORDINATION MUST BE ISSUED IN WRITING BEFORE THE CONTRACTOR SHALL BE AUTHORIZED TO PROCEED.

D. COORDINATION: CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL DIMENSIONS AND VERIFYING EXISTING CONDITIONS PRIOR TO ORDERING MATERIALS, FABRICATION, OR CONSTRUCTION. IF ACTUAL EXISTING CONDITIONS DIFFER FROM THE ASSUMPTIONS SHOWN ON THE STRUCTURAL DRAWINGS, THOSE DISCREPANCIES SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE STRUCTURAL ENGINEER FOR RESOLUTION.

E. DEVIATIONS, OMISSIONS AND SUBSTITUTIONS: THE COMPONENTS OF THIS STRUCTURE ARE DESIGNED TO WORK TOGETHER AS A UNIT. DEVIATIONS, OMISSIONS OR SUBSTITUTIONS FROM THE CONTRACT DOCUMENTS COULD HAVE SERIOUS CONSEQUENCES AND SHALL NOT BE PERMITTED WITHOUT WRITTEN REQUEST TO AND RESPONSE FROM THE STRUCTURAL ENGINEER OF RECORD. THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER IMMEDIATELY UPON DISCOVERY OF DEVIATIONS OR OMISSIONS AND SHALL OUTLINE THEM IN WRITING TO FACILITATE AN EXPEDIENT REMEDY.

F. SCALING: THE STRUCTURAL DRAWINGS ARE TO BE CONSIDERED DIAGRAMMATICAL REPRESENTATIONS OF PLANS AND DETAILS FOR THE STRUCTURAL INTENT OF THE DESIGN. IN NO CASE SHOULD THEY BE SCALED FOR DIMENSIONS. THE DIMENSIONS SHOWN SHOULD BE VERIFIED BY THE CONTRACTOR AND COORDINATED WITH THE OTHER DISCIPLINES.

G. SPECIFICATIONS: THE STRUCTURAL GENERAL NOTES ARE TO BE USED IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS. WHERE DISCREPANCIES OR CONFLICTS OCCUR BETWEEN THE TWO, THE STRICTER APPLICATION SHALL APPLY AS BINDING FOR THE CONTRACT DOCUMENTS.

H. SHOP DRAWINGS: SUBMIT THREE (3) FULL SIZE PRINTED COPIES OF THE SHOP DRAWINGS. ONE RECORD COPY SHALL BE RETAINED WITH BOTH THE STRUCTURAL ENGINEER AND ARCHITECT AND ONE (1) SHALL BE RETURNED TO THE GENERAL CONTRACTOR FOR COPY AND DISTRIBUTION. CONTRACTOR SHALL SEND ALL SHOP DRAWINGS TO THE ARCHITECT FOR DISTRIBUTION AND PROVIDE IN HIS SCHEDULE FOR TRANSIT AND DISTRIBUTION TIME. STRUCTURAL ENGINEER SHALL REQUIRE A MINIMUM OF (15) "IN OFFICE" WORKING DAYS FOR REVIEW OF SHOP DRAWINGS. ELECTRONIC SHOP DRAWINGS FOR MAJOR STRUCTURAL COMPONENTS WILL NOT BE REVIEWED.

I. ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE GENERAL CONTRACTOR FOR ACCURACY OF CONTENT, QUANTITIES, DIMENSIONS, AND COORDINATION WITH OTHER TRADES AND SHALL BE STAMPED WITH THE DATE AND REVIEWER'S NAME PRIOR TO SUBMITTAL FOR STRUCTURAL ENGINEER'S REVIEW. SHOP DRAWINGS ARRIVING FOR REVIEW WITHOUT THE CONTRACTOR'S APPROVAL STAMP SHALL BE REJECTED AND RETURNED. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE ACCURACY OF DIMENSIONS, QUANTITIES, AND COORDINATION OF THE COMBINED TRADES.

J. USE OF THE STRUCTURAL DRAWINGS FOR SHOP DRAWING BACKGROUNDS WITHOUT PRIOR CONSENT OF THE STRUCTURAL ENGINEER SHALL CONSTITUTE PLAGIARISM, AND SHALL RESULT IN SHOP DRAWINGS BEING REJECTED FOR NON-COMPLIANCE. ELECTRONIC COPIES OF THE STRUCTURAL DRAWINGS MAY BE PURCHASED WITH CERTIFIED FUNDS FOR A CHARGE OF $125 PER SHEET AND ARE TO BE USED FOR THE SOLE PURPOSE OF SHOP DRAWING BACKGROUNDS. CONTACT THE STRUCTURAL ENGINEER TO ORDER COPIES AND A DISCLAIMER FORM.

K. MEANS AND METHODS: THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, SEQUENCING, AND CONSTRUCTION PROCEDURES AND SHALL AT ALL TIMES COMPLY WITH FEDERAL, STATE, AND LOCAL BUILDING CONSTRUCTION CODES.

L. BRACING: THIS STRUCTURAL DESIGN IS BASED ON THE PREMISE THAT THE SUPERSTRUCTURE WILL BE TEMPORARILY BRACED AS REQUIRED BY CONTRACTORS MEANS AND METHODS UNTIL IT IS HAS BEEN COMPLETELY ERECTED AND IS ABLE TO FUNCTION AS AN INDEPENDENT STRUCTURE.

M. SUBSTITUTIONS SHALL NOT BE MADE WITHOUT EXPRESS WRITTEN CONSENT FROM THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION. A SUBSTITUTION SUBMITTED ON SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE ORIGINAL CONTRACT DOCUMENTS UNLESS THE REQUEST TO BE CONSIDERED IS CLOUDED, CIRCLED, HIGHLIGHTED, POINTED TO, OR OTHERWISE MADE SPECIFICALLY CONSPICUOUS AS TO THE FACT THAT IT IS A CHANGE SUBMITTAL REQUEST.

N. SAFETY: THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL SAFETY LAWS AND IS SOLELY RESPONSIBLE FOR THE SAFETY AND PROTECTION OF PERSONS AND PROPERTY ON OR ADJACENT TO THE PROJECT SITE.

O. CONSTRUCTION LOADING: THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD APPLIED TO THE STRUCTURE. AT NO TIME SHALL THE CONSTRUCTION LOAD APPLIED TO ANY PORTION OF THE STRUCTURE BE GREATER THAN 50%%% OF THE DESIGN LIVE LOAD FOR THAT AREA.

P. CONTRACTOR SHALL SUPPLY AND REGULARLY UPDATE A DETAILED CONSTRUCTION "LOOK AHEAD" SCHEDULE FOR THE STRUCTURAL ENGINEER FOR MANAGEMENT OF SITE REVIEW VISITS.

II. DESIGN CRITERIA

A. BUILDING DESIGNED IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE WITH 2018 NC BUILDING CODE AMENDMENTS

B. LIVE LOADS:

	UNIFORM
PUBLIC SPACES & CORRIDORS SESRVING THEM	100 PSF
RESIDENTIAL SPACES & CORRIDORS SERVING THEM	40 PSF
ROOF (UNLESS NOTED)	20 PSF

LIVE LOAD REDUCTION PERFORMED IN ACCORDANCE WITH SECTIONS 4.7 & 4.8 OF ASCE 7-10.

C. ROOF SNOW LOADS PER CHAPTER 7 OF ASCE 7-16:

GROUND SNOW LOAD, PG	10.0
FLAT-ROOF SNOW LOAD, PF	6.3
SNOW LOAD IMPORTANCE FACTOR, IS	1.0
SNOW EXPOSURE FACTOR, CE	0.9
THERMAL FACTOR, CT	1.0

D. WIND LOADS (MWFRS) PER CHAPTERS 26 & 27 OF ASCE 7-16:

BASIC WIND SPEED (3 SEC GUST)	145 MPH
WIND IMPORTANCE FACTOR, IW	1.00
WIND EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT	+/-0.18
WIND SHEAR:	
BASE SHEAR - PLAN X DIRECTION	152.7 KIPS
BASE SHEAR - PLAN Y DIRECTION	737.9 KIPS

COMPONENTS & CLADDING PERFORMED IN ACCORDANCE WITH CHAPTER 30 OF ASCE 7-16.

E. SEISMIC DESIGN PER CHAPTERS 11 & 12 OF ASCE 7-16:

SEISMIC RISK CATEGORY	II
SEISMIC IMPORTANCE FACTOR	IE = 1.00
MCE_R SHORT PERIOD ACCELERATION	S_S = 0.227 g
MCE_R 1-SEC PERIOD ACCELERATION	S_1 = 0.094 g
GEOTECHNICAL SITE CLASS	D
DESIGN ACCELERATION SHORT PERIOD	S_{DS} = 0.242 g
DESIGN ACCELERATION 1-SEC PERIOD	S_{D1} = 0.150 g
SEISMIC DESIGN CATEGORY	SDC = C
SEISMIC RESPONSE COEFFICIENT	CS = 0.069
RESPONSE MODIFICATION FACTOR	R = 3.5
SEISMIC FORCE RESISTING SYSTEM	WSP & CMU SHEARWALLS
ANALYSIS PROCEDURE:	EQUIVALENT LATERAL FORCE METHOD
BASE SHEAR BOTH X&Y DIRECTIONS	174.4 KIPS

III. FOUNDATIONS

A. THE GEOTECHNICAL REPORT NO. 22:35103, DATED AUGUST 29, 2024 BY ECS SOUTHEAST, LLC FORMS THE BASIS OF THIS FOUNDATION DESIGN AND IS, BY EXTENSION, A PART OF THE CONTRACT DOCUMENTS FOR THIS PROJECT. CONTRACTOR SHALL FOLLOW THE UNDERCUT AND FILL RECOMMENDATIONS THEREIN FOR THE INSTALLATION OF ALL FOUNDATION, RETAINING, AND SLAB ELEMENTS.

B. SHALLOW FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL OR A 2" MUD MAT OF LEAN CONCRETE (F'C = 2000 PSI). THE ALLOWABLE BEARING CAPACITY OF 3000 PSF SHALL BE VERIFIED UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER.

C. ENGINEERED FILL SHALL BE SELECTED, GRADED, AND COMPACTED ACCORDING TO THE GEOTECHNICAL REPORT.

D. SOILS TESTING WILL BE REQUIRED. THE GEOTECHNICAL ENGINEER SHALL BE THE SOLE JUDGE OF THE ACCEPTABILITY OF SOIL BEARING STRATA. TESTING SHALL BE PERFORMED BY CERTIFIED TECHNICIANS UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER.
1. SOILS TO RECEIVE SLABS ON GRADE SHALL BE PROOF ROLLED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND SHALL BE TESTED AND APPROVED PRIOR TO CONCRETE PLACEMENT.
2. FOUNDATION BEARING STRATA SHALL BE INSPECTED AND APPROVED PRIOR TO CONCRETE PLACEMENT

E. UNACCEPTABLE SOILS SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH THE GEOTECHNICAL REPORT OPTION ONE.

F. FOUNDATION BASEMENT WALLS SHALL NOT RECEIVE BACKFILL UNTIL BOTH THE TOP AND BOTTOM FLOOR SLABS HAVE BEEN INSTALLED TO BRACE THEM. BASEMENT AND RETAINING WALLS SHALL HAVE A MINIMUM OF 2'-0" OF #67 STONE BEHIND THE WALL AND A POSITIVE DRAINAGE SYSTEM CONNECTED TO SITE DRAINAGE TO ELIMINATE HYDROSTATIC PRESSURE. DESIGN PRESSURES FOR FOUNDATION WALLS ON THIS PROJECT ARE AS FOLLOWS:

WEIGHT OF THE SOIL	120 PCF
ACTIVE PRESSURE COEFFICIENT (0.33)	40 PCF
AT REST PRESSURE COEFFICIENT (0.5)	60 PCF
PASSIVE PRESSURE COEFFICIENT (3.0)	360 PCF
FRICTION COEFFICIENT	.35

IV. CONCRETE

A. DESIGN AND INSTALLATION OF CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318-14

B. DESIGN OF FORMWORK, SHORING, AND RE-SHORING FOR CONCRETE FRAMING SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

C. REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE FINISHES, WASHES, RIGLETS, DRIPS, DOVETAILS, OPENINGS, SLAB DEPRESSIONS, BRICK LEDGE ELEVATIONS, AND MISCELLANEOUS EMBEDDED ITEMS.

D. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR UNDERGROUND UTILITIES, DRAIN LINES, DUCT BUSSES, SLEEVES, OUTLET BOXES, CONDUIT, AND OTHER COORDINATION ITEMS.

E. CONCRETE SHALL HAVE THE MINIMUM 28-DAY STRENGTH, WEIGHT, AND MAXIMUM WATER-CEMENT RATIOS LISTED BELOW (UNO) UNLESS NOTED OTHERWISE ON THE DRAWINGS.

DESCRIPTION	STRENGTH FC	WEIGHT
FOOTINGS	3000 PSI	145 PCF
SLABS ON GRADE	3000 PSI	145 PCF
ALL OTHER CONCRETE	4000 PSI	145 PCF

F. CONCRETE MIX DEIGNS SHALL BE PREPARED AND SUBMITTED 30 DAYS PRIOR TO START OF CONCRETE WORK AND SHALL COMPLY WITH ACI 301, CHAPTER 3. CEMENT SHALL CONFORM TO ASTM C150-TYPE I. NORMAL WEIGHT AGGREGATE SHALL CONFORM TO ASTM C33 AND LIGHT WEIGHT AGGREGATE SHALL CONFORM TO ASTM C330. ALL MIX DESIGNS SHALL CONTAIN WATER REDUCING ADMIXTURES, AND MIX DESIGN INGREDIENTS SHALL BE CERTIFIED TO CONTAIN NO CALCIUM CHLORIDE IONS.

G. FLY ASH SHALL BE LIMITED TO 25% OF CEMETICIOUS MATERIAL & CONFORM TO ASTM C595-IP.

H. ALL CONCRETE EXPOSED TO WEATHER SHALL HAVE A MAXIMUM WATER/CEMENT RATIO OF 0.5 AND SHALL BE AIR ENTRAINED IN ACCORDANCE WITH ACI 301.

I. ALL PUMPED CONCRETE SHALL HAVE A MAXIMUM WATER/CEMENT RATIO OF 0.5 AND CONTAIN HIGH RANGE WATER REDUCING ADMIXTURES.

J. HOT AND COLD WEATHER CONCRETING SHALL BE PERFORMED IN ACCORDANCE WITH ACI 305 AND 306. SPECIFIED ACCELERATING ADMIXTURES MAY BE USED FOR CONCRETE EXPOSED TO TEMPERATURES BELOW 40 DEGREES.

K. LIQUID CURING COMPOUND SHALL BE PLACED ON ALL CONCRETE FLATWORK AND WALLS WITHIN 2 HOURS AFTER FINISHING UNLESS OTHERWISE NOTED. FLOORS RECEIVING TILE OR LIQUID FLOOR HARDENER SHALL BE WET CURED OR TREATED WITH SPECIFIED DISSIPATING LIQUID MEMBRANE CURING COMPOUND ACCORDING TO MANUFACTURER INSTALLATION RECOMMENDATIONS.

L. CONSTRUCTION AND CONTROL JOINTS SHALL BE LOCATED AS NOTED ON THE DRAWINGS WITH A MAXIMUM SPACING OF 20'-0" FOR WALLS AND 16'-0" FOR SLABS ON GRADE. CONSTRUCTION JOINTS REQUIRED BY CONSTRUCTION LOGISTICS OR POUR SCHEDULES BUT NOT SHOWN ON THE DRAWINGS WILL LIKELY REQUIRE ADDITIONAL REINFORCING AND MUST BE COORDINATED WITH AND REVIEWED BY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.

M. ANCHOR BOLTS, BASE PLATES, LEDGE ANGLES, AND ALL OTHER STEEL EXPOSED TO EARTH SHALL BE COVERED WITH A MINIMUM 3" OF CONCRETE COVER.

N. NON-SHRINK GROUT SHALL CONFORM TO ASTM C1107.

V. STRUCTURAL MASONRY

A. MASONRY SHOWN ON STRUCTURAL DRAWINGS DEFINES THE EXTENT OF MASONRY REQUIRED TO SUPPORT STRUCTURAL MEMBERS SUCH AS FLOORS AND ROOFS, OR LATERAL WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR NON-LOAD BEARING WALLS AND OPENING LOCATIONS.

B. DESIGN & INSTALLATION OF ALL STRUCTURAL MASONRY SHALL BE IN ACCORDANCE WITH ACI 530-13 AND ACI 530.1-13 WITH RELATIVE COMMENTARY.

C. CONCRETE MASONRY UNITS (CMU):
1. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C 90-13 GRADE N-II WITH A NET AREA UNIT STRENGTH NO LESS THAN 2000 PSI AND UNIT WEIGHT NOT EXCEEDING 95 PCF.
2. MORTAR SHALL BE TYPE S, CONFORM TO ASTM C 270-12a, AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 1900 PSI.
3. DESIGN COMPRESSIVE STRENGTH OF CMU WALLS (F'm) = 1500 PSI.

D. SUBMITTALS: CONTRACTOR SHALL SUBMIT TEST REPORTS ON MASONRY, MORTAR, & GROUT. INCLUDE UNIT WEIGHT, COMPRESSIVE STRENGTH, ABSORPTION, VOLUME, AND SHRINKAGE

E. MASONRY GROUT SHALL CONFORM TO ASTM C 476-04 AND THE REQUIREMENTS FOR CONCRETE IN SECTION IV OF THE STRUCTURAL GENERAL NOTES. MASONRY GROUT SHALL .HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI AND COMPLY WITH THE FOLLOWING:
1. BOND BEAMS SHALL BE FREE FROM DEBRIS, REINFORCED, AND FILLED WITH GROUT IN ONE CONTINUOUS POUR. MORTAR FILL IS NOT PERMITTED.
2. GROUT ALL MASONRY CELLS SOLID BELOW GRADE. MORTAR FILL IS NOT PERMITTED.
3. ALL REINFORCED MASONRY WALL CELLS AND CAVITIES SHALL BE GROUTED FULL HEIGHT. UNREINFORCED CELLS AND CAVITIES SHALL BE GROUTED FULL HEIGHT WHERE INDICATED UNLESS NOTED OTHERWISE. MORTAR FILL IS NOT PERMITTED.
4. VERTICAL GROUTING SHALL BE LOW LIFT, SHALL NOT EXCEED 6'-0" LIFTS, AND SHALL BE STOPPED 2" BELOW COURSING TO FORM A KEY. HIGH LIFT GROUTING IS NOT PERMITTED.

F. MASONRY CONTRACTOR SHALL COORDINATE AND INSTALL ITEMS REQUIRED TO BE EMBEDDED OR BUILT INTO THE MASONRY WITH ALL OTHER TRADES. ELECTRICAL CONDUIT OR EQUIPMENT FROM OTHER TRADES SHALL NOT OCCUR IN REINFORCED OR GROUTED CELLS.

G. HORIZONTAL BOND BEAMS SHALL BE LOCATED AT A MAXIMUM OF 4'-0" VERTICALLY FOR THE ENTIRE HEIGHT OF CMU WALLS NOT BRACED BY INTERIOR DIAPHRAGMS.

VII. CONCRETE & MASONRY REINFORCEMENT

A. ALL REINFORCING SHALL BE DETAILED, FABRICATED AND INSTALLED ACCORDING TO ACI 318-14, SP-66(04), AND CRSI MSP-2-01.

B. ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60 UNLESS OTHERWISE NOTED ON THE DRAWINGS. WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A184 OR A185.

C. MINIMUM CONCRETE COVER AND DEVELOPMENT LENGTHS SHALL BE IN ACCORDANCE WITH ACI 318-14, CHAPTERS 20 AND 25 RESPECTIVELY. ALL TENSION LAP SPLICES SHALL BE DETAILED AS CLASS B UNLESS OTHERWISE NOTED ON THE DRAWINGS.

D. REINFORCING TERMINATING AT TOPS OF COLUMNS, PIERS, AND PILASTERS SHALL BE HOOKED. REINFORCING TERMINATING AT CORNERS OR INTERSECTIONS OF WALLS SHALL EITHER BE HOOKED OR FULLY DEVELOPED BEYOND THE INSIDE EDGE OF THE BOUNDARY ELEMENT.

E. VERTICAL BARS AND DOWELS SHALL HAVE A MAXIMUM SLOPE RATIO OF 1 TO 6. DOWELS REQUIRING GREATER SLOPES FOR FIT-UP SHALL BE EPOXY REPOSITIONED.

F. MASONRY REINFORCEMENT SHALL BE TENSION LAPPED (CLASS B) UNLESS NOTED OTHERWISE.
1. VERTICAL MASONRY REINFORCING BARS AND DOWELS SHALL HAVE A MINIMUM CLEARANCE FROM MASONRY CELL WALLS OF 3/4" AND SHALL BE HELD INTO POSITION AT THE BOTTOM AND AT 4'-0" LIFTS WITH BAR POSITIONER ACCESSORIES. SUBMIT REBAR ACCESSORIES FOR ENGNEER'S REVIEW.
2. HORIZONTAL BOND BEAM REINFORCING SHALL BE CONTINUOUS THROUGH CONTROL JOINTS.
3. HORIZONTAL JOINT REINFORCING SHALL BE LAPPED 6" AT SPLICES, CORNERS, AND WALL INTERSECTIONS.

G. WELDED WIRE MESH SHALL BE LAPPED 1'-0" AT SPLICES.

X. STRUCTURAL STEEL

A. STRUCTURAL STEEL SHALL BE OF THE GRADES LISTED BELOW UNLESS OTHERWISE NOTED ON THE DRAWINGS:
1. WIDE FLANGE SHAPES - ASTM A992 GRADE 50
2. OTHER ROLLED SHAPES - ASTM A36
3. HSS TUBE SHAPES - A500 GRADE B, FY=46 KSI
4. HSS PIPE SHAPES - ASTM A53, TYPE S, FY=35 KSI
5. PLATES AND BARS - ASTM A36
6. MISCELLANEOUS STEEL - ASTM A36
7. ANCHOR BOLTS - ASTM A36, F1554 (UNO)

B. STRUCTURAL STEEL SHALL BE DESIGNED, DETAILED, AND FABRICATED ACCORDING TO AISC 360-16 CODE - LRFD, UNLESS OTHERWISE NOTED.

C. FABRICATOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND DETAILING OF STEEL CONNECTIONS AND SHALL RETAIN A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED

D. STEEL BEAM SHEAR CONNECTIONS SHALL BE DESIGNED FOR 1/2 UDL UNLESS OTHERWISE NOTED ON THE DRAWINGS.

E. STRUCTURAL STEEL BEAMS SHALL BE FABRICATED WITH MILL CAMBERS UP.

F. SHOP DRAWINGS SHALL BE SUBMITTED ACCORDING TO SECTION I-H OF THE STRUCTURAL GENERAL NOTES.

G. SPLICING OF STRUCTURAL STEEL MEMBERS SHALL NOT BE PERMITTED UNLESS SPECIFICALLY. NOTED AND DETAILED ON THE CONTRACT DOCUMENTS.

H. MEMBERS NOTED "CONTINUOUS" SHALL BE FULLY BUTT WELDED AT SPLICE POINT.

J. SIZE OR LOCATION CHANGES OF STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT PRIOR WRITTEN CONSENT FROM THE STRUCTURAL ENGINEER OF RECORD.

K. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1-04 STRUCTURAL WELDING CODE - STEEL.

L. MINIMUM PLATE THICKNESS SHALL BE 3/8" UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.

M. ADHESIVE ANCHORS SHALL BE HILTI RE 500 OR APPROVED EQUAL UNLESS NOTED OTHERWISE.

N. ALL EXPOSED STEEL SHALL BE GALVANIZED G90 UNLESS NOTED OTHERWISE.

XI. MISCELLANEOUS STEEL & STAIRS (PERFORMANCE GUIDELINES)

A. FABRICATOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND DETAILING OF STEEL CONNECTIONS, MISC STEEL CONNECTIONS, AND STAIR FRAMING, AND SHALL RETAIN A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. THE ENGINEER SHALL SEAL AND SIGN BOTH CALCULATIONS AND SHOP DRAWINGS. SIZES AND CONNECTIONS SHOWN ON THE DRAWINGS ARE SCHEMATIC AND ARE INTENDED ONLY TO SHOW THE RELATIONSHIP OF THE MEMBERS AND INFORMATION FOR PRICING/BIDDING.

XV. ROUGH CARPENTRY

A. SOLID SAWN WOOD MEMBERS SHALL CLASSIFIED PER THE NDS DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION AND SHALL BE GRADED IN ACCORDANCE WITH THE AMERICAN LUMBER STANDARDS COMMITTEE. PROVIDE DRESSED LUMBER S4S WITH A MAX MOISTURE CONTENT OF 19% UNLESS OTHERWISE NOTED. PROVIDE FRAMING MEMBERS OF THE SPECIES AND GRADES LISTED BELOW:
JOISTS AND RAFTERS - SOUTHERN YELLOW PINE NO. 1
GIRDERS, AND BEAMS - SOUTHERN YELLOW PINE NO. 1
VERTICAL WALL STUDS - SPRUCE PINE FUR NO. 2
TOP AND BOTTOM WALL PLATES - SOUTHERN YELLOW PINE NO. 2
TIMBER COLUMNS - SOUTHERN YELLOW PINE NO. 2
BUILT-UP COLUMNS - SOUTHERN YELLOW PINE NO. 2

B. BUILT-UP COLUMNS SHALL BE FASTENED ACCORDING TO THE FOLLOWING:
USE SDW22458 SCREWS AT 6" OC STAGGERED ADJACENT
SCREWS ARE DRIVEN FROM OPPOSITE SIDES OF COLUMN
HOLD MINIMUM 4" END DISTANCE AND 1 1/2" SIDE CLEARANCE

C. LAMINATED VENEER LUMBER BEAMS (LVL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:

MODULUS OF ELASTICITY	2,000,000 PSI
FLEXURAL SRESS	3,100 PSI
HORIZONTAL SHEAR PARALLEL TO GRAIN	285 PSI

D. PARALLEL STRAND LUMBER BEAMS (LSL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:

SHEAR MODULUS OF ELASTICITY	125,000 PSI
MODULUS OF ELASTICITY	1,800,000 PSI
FLEXURAL SRESS	2,400 PSI
HORIZONTAL SHEAR PARALLEL TO GRAIN	270 PSI

E. LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH EARTH, CONCRETE OR MASONRY AND FRAMING LESS THAN 18" ABOVE THE GROUND SHALL BE TREATED IN ACCORDANCE WITH AWPA STANDARD C-2 AND SHALL BE FASTENED WITH HOT-DIPPED GALVANIZED FASTENERS COMPLYING WITH ASTM A 153.

F. TOP PLATES SHALL BE INSTALLED WITH LAPPING END JOINTS AND OFFSET SPLICES NO CLOSER THAN 48". END JOINTS IN DOUBLE TOP PLATES SHALL BE OFFSET AT LEAST 48" AND SHALL BE NAILED WITH NOT LESS THAN (8) 16d FACE NAILS ON EACH SIDE OF JOINT.

G. PROVIDE METAL FRAMING ANCHORS BY SIMPSON STRONG-TIE COMPANY OR APPROVED EQUAL. INTERIOR FRAMING: HOT-DIPPED ZINC COATED SHEET STEEL G90 ASTM A 653 EXTERIOR FRAMING: STAINLESS STEEL SHEET STEEL ASTM A 666, TYPE 304 WITH SS ANCHORS

H. UNDER NON-LOAD BEARING WALLS PARALLEL TO FRAMING, INSTALL DOUBLE JOISTS SEPARATED BY SOLID BLOCKING EQUAL TO WIDTH OF WALL ABOVE. PROVIDE CONTINUOUS BLOCKING UNDER WALLS PERPENDICULAR TO FRAMING. PROVIDE TRIPLE STUDS UNDER PARTITIONS RECEIVING CERAMIC TILE OR HUNG FIXTURES.

I. FRAMING SHALL COMPLY WITH AF&PA DETAILS FOR CONVENTIONAL WOOD FRAME CONSTRUCTION UNLESS OTHERWISE NOTED. STRUCTURAL MEMBERS SHALL NOT BE SPLICED BETWEEN SUPPORTS UNLESS NOTED SPECIFICALLY ON DRAWINGS.. STUDS SHALL BE CONTINUOUS FOR SOLE PLATE TO TOP PLATE. STUDS INTERRUPTED BY BEAMS OR HEADERS SHALL BE SISTERED TO CONTINUOUS STUDS IN ACCORDANCE WITH THE DESIGN DOCUMENTS.

J. FRAMING MEMBERS SHALL BE SECURELY FASTENED TOGETHER AS INDICATED IN TABLE 2304.10.1 OF THE BUILDING CODE. FASTENERS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING:
POWER DRIVEN FASTENERS: NES ESR-1539
NAILS, BRADS, AND STAPLES: ASTM F 1667
WOOD SCREWS: ASME B18.6.1
LAG BOLTS: ASME B18.2.1
STEEL BOLTS: ASTM A307
NUTS & WASHERS: ASTM A 563

K. ALL BEAMS, TRUSS GIRDERS, AND OTHER CONTRATED LOAD REACTIONS SHALL BE SUPPORTED FROM LOAD POINT TO FOUNDATION WITH CONTINUOUS VERTICAL FRAMING

L. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL TIMBER REQUIREMENTS WHERE APPLICABLE.

XVI. METAL PLATED WOOD TRUSSES (PERFORMANCE GUIDELINES)

A. TRUSS FABRICATOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND DETAILING OF ALL WOOD TRUSSES AND SHALL RETAIN A PROFESSIONAL ENGINEER, REGISTERED & IINSURED IN THE STATE OF THE PROJECT TO DESIGN AND SEAL BOTH CALCULATIONS AND TRUSS LAYOUTS. SIZES AND CONNECTIONS SHOWN ON THESE DRAWINGS ARE SCHEMATIC AND ARE INTENDED ONLY TO SHOW THE RELATIONSHIP OF THE MEMBERS AND INFORMATION FOR PRICING/BIDDING.

B. THE TRUSS ENGINEER SHALL SUPPLY COMPLETE, NON-TRUNCATED DESIGNS FOR ALL TRUSS GIRDERS AND SPECIAL LOADING CONDITIONS.

C. DESIGN OF TRUSS MEMBERS SHALL BE IN ACCORDANCE WITH THE STATE BUILDING CODE OF THE PROJECT, AND ANSI/TPI 1 NATIONAL STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION.

D. TRUSSES SHALL BE DESIGNED FOR THE REQUIREMENTS SHOWN ON THESE STRUCTURAL DWGS AND SPECIFICATIONS UNDER THE RESTRICTIONS OF THE FOLLOWING SERVICEABILITY RESTRAINTS:
FLOOR TRUSSES: VERTICAL DEFLECTION SHALL BE LIMITED TO L/480.
ROOF TRUSSES: VERTICAL DEFLECTION SHALL BE LIMITED TO L/240.
HORIZONTAL MOVEMENT AT SUPPORTS SHALL BE LIMITED TO 1/2".

E. TRUSS ENGINEER SHALL DESIGN TRUSSES FOR 24" TRIBUTARY WIDTH PLUS EVERY ADDITIONAL APPLICABLE LOAD, DESIGN TRUSS-TO-TRUSS CONNECTIONS, AND DETAIL APPLICABLE METAL HANGERS ON THE SHOP DRAWINGS.

F. TRUSSES SHALL BE MANUFACTURED WITH DIMENSION LUMBER GRADED IN ACCORDANCE WITH THE AMERICAN LUMBER STANDARDS COMMITTEE AND HAVE THE FOLLOWING MINIMUM PROPERTIES:
TRUSS CHORDS - SOUTHERN YELLOW PINE NO. 2 TRUSS
VERTICALS - SOUTHERN YELLOW PINE NO. 3 TRUSS
DIAGONALS - SOUTHERN YELLOW PINE NO. 3

G. LADDER TRUSSES SHALL BE FABRICATED WITH DOUBLE AND TRIPLE VERTICALS TO MATCH THE WALL SCHEDULE STUD REQUIREMENTS OF THE LEVEL BELOW THEM. ALTERNATIVELY, TRUSS ENGINEER MAY DESIGN AND PRODUCE THE LADDER TRUSS FOR THE SPECIFIC LOADS THEY MUST SUSTAIN AND CLEARLY INDICATE THE DESIGN WALL CAPACITY AS A NOTE ON THE TRUSS SUBMITTALS.

H. PROVIDE METAL CONNECTOR PLATES IN ACCORDANCE WITH TPI 1. PLATES SHALL BE HOT-DIPPED GALVANIZED SHEET STEEL (G60) WITH A MINIMUM THICKNESS OF 0.036".

J. TRUSS MANUFACTURER SHALL PROVIDE BRACING INFORMATION ON THE SHOP DRAWINGS IN ACCORDANCE WITH TPI BCSI BUILDING COMPONENT SAFETY INFORMATION GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING, & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES.

K. INSTALL TR

DROP HEADER SCHEDULE (SYP NO. 2 - U NO)			
TAG	DEPTH	WIDTH	JACKS +KINGS
H8-2-1	(2) 2x8 + 1/2" BLOCKING	3 1/2"	1 +1 EACH END
H8-3-1	(3) 2x8 + 1/2" BLOCKING	5 1/2"	1 +1 EACH END
H8-3-2	(3) 2x8 + 1/2" BLOCKING	5 1/2"	2 +2 EACH END
H10-2-1	(2) 2x10 + 1/2" BLOCKING	3 1/2"	1 +1 EACH END
H10-3-1	(3) 2x10 + 1/2" BLOCKING	5 1/2"	1 +1 EACH END
H10-3-2	(3) 2x10 + 1/2" BLOCKING	5 1/2"	2 +2 EACH END
H12-2-2	(2) 2x12 + 1/2" BLOCKING	3 1/2"	2 +2 EACH END
H12-3-2	(3) 2x12 + 1/2" BLOCKING	5 1/2"	2 +2 EACH END
H12-3-3	(3) 2x12 + 1/2" BLOCKING	5 1/2"	3 +3 EACH END
LVL12-3-3	(3) 1 3/4"x11 7/8" 2.0E	5 1/4"	3 +3 EACH END

NOTES:
1) HEADERS SHOWN ON PLANS ARE LOCATED ABOVE FLOOR FRAMING
2) BLOCK BEAMS & HEADERS WITH 1/2" PLYWOOD CONTINUOUS
3) NUMBER OF JACK/KINGS STUDS SHALL NOT BE LESS THAN NUMBER OF WALL STUDS FOR EACH LEVEL PER WALL SCHEDULE

WOOD BEAM SCHEDULE (SYP NO. 1)			
TAG	DEPTH	WIDTH	BEARING LENGTH
B-1	(2) 2x8	3 1/2"	3" ENDS & 6" INTERMEDIATE
B-2	(2) 2x10	3 1/2"	3" ENDS & 6" INTERMEDIATE
B-3	(3) 2x10	5 1/2"	4" ENDS & 8" INTERMEDIATE
B-4	(2) 2x12	3 1/2"	3" ENDS & 6" INTERMEDIATE
B-5	(3) 2x12	5 1/2"	4" ENDS & 8" INTERMEDIATE
B-6	3.5" x 11 7/8" 2.0E LVL	3 1/2"	3" ENDS & 7" INTERMEDIATE
B-7	5.25" x 11 7/8" 2.0E LVL	5 1/4"	4.5" ENDS & 11" INTERMEDIATE
B-8	3.5" x 18" 2.0E LVL	3 1/2"	4.5" ENDS & 11" INTERMEDIATE
B-9	5.25" x 18 2.0E LVL	5 1/4"	4.5" ENDS & 11" INTERMEDIATE
B-10	3.5" x 13.75" GLULAM	3 1/2"	4.5" ENDS & 11" INTERMEDIATE

NOTES:
1) BEAMS SHOWN ON PLANS ARE LOCATED UNDER THE SUB-FLOOR (UNO)
2) BLOCK BEAMS WITH 1/2" PLYWOOD CONTINUOUS
3) CONTRACTOR SHALL COORDINATE END CONDITIONS, HARDWARE, AND IDENTIFY CONNECTION CONFLICTS PRIOR TO CONSTRUCTION

STEEL COLUMN SCHEDULE			
TAG	SIZE	BASE PLATE (UNO)	ANCHOR BOLTS
SC-1	HSS5.5x5.5x3/8	3/4" x 12" x 12"	(4) 3/4" DIA - F1554 8" EMBED
SC-2	HSS6x6x1/4	3/4" x 12" x 12"	(4) 3/4" DIA - F1554 8" EMBED
SC-3	HSS6x6x3/8	3/4" x 12" x 12"	(4) 3/4" DIA - F1554 8" EMBED
SC-4	HSS8x8x3/8	3/4" x 14" x 14"	(4) 3/4" DIA - F1554 8" EMBED
SC-5	HSS20x20x1/2	1 3/4" x 28" x 28"	(4) 1 1/4" DIA - A325 20" EMBED

FOOTING SCHEDULE (3000 PSF ALLOWABLE BEARING)			
TAG	DIMENSIONS	REINFORCING	SERVICE LOAD
F30	3'-0" x 3'-0" x 1'-0"	4#4 x 2'-6" EW	26 K
F36	3'-6" x 3'-6" x 1'-0"	5#4 x 3'-6" EW	35 K
F40	4'-0" x 4'-0" x 1'-0"	4#5 x 3'-6" EW	46 K
F46	4'-6" x 4'-6" x 1'-0"	4#5 x 4'-0" EW	58 K
F50	5'-0" x 5'-0" x 1'-0"	5#5 x 4'-6" EW	72 K
F56	5'-6" x 5'-6" x 1'-1"	6#5 x 5'-0" EW	86 K
F60	6'-0" x 6'-0" x 1'-2"	7#5 x 5'-6" EW	103 K
F66	6'-6" x 6'-6" x 1'-4"	8#5 x 6'-0" EW	119 K
F70	7'-0" x 7'-0" x 1'-5"	6#6 x 6'-6" EW	138 K
F76	7'-6" x 7'-6" x 1'-6"	7#6 x 7'-0" EW	158 K
F80	8'-0" x 8'-0" x 1'-7"	6#7 x 7'-6" EW	178 K
F86	8'-6" x 8'-6" x 1'-8"	7#7 x 8'-0" EW	201 K
F90	9'-0" x 9'-0" x 1'-10"	8#7 x 8'-6" EW	224 K
F12080	12'-0" x 8'-0" x 2'-6"	7#9 x 11'-6" T&B 11#7 x 7'-6" T&B	

NOTE: ALLOWABLE BEARING PRESSURE MUST BE VERIFIED UNDER EACH FTG BY GEOTECHNICAL TESTING PRIOR TO PLACING CONCRETE

WALL SCHEDULE FOR FOUR STORY BLDG (LEVEL 4 AND PENTHOUSE)								
TYPE	FRAMING	SILL PLATE	TOP PLATE	SHEATHING	SHEATHING TYPE	NAIL SIZE	EDGES	FIELD
ALL EXTERIOR WALLS	2x6 @ 16" OC SPF NO. 2	SINGLE 2x6	DOUBLE 2x6	OUTSIDE FACE INSIDE FACE	7/16" EXT OSB 5/8" GYPSUM BD	8d COMMON 5d COOLER	3" OC 7" OC	6" OC 7" OC
SHEAR WALLS	2x6 @ 16" OC SPF NO. 2	SINGLE 2x6	DOUBLE 2x6	OUTSIDE FACE INSIDE FACE	7/16" EXT OSB 5/8" GYPSUM BD	8d COMMON 5d COOLER	3" OC 7" OC	6" OC 7" OC
INTERIOR BEARING WALLS	2x6 @ 16" OC SPF NO. 2	SINGLE 2x6	DOUBLE 2x6	BOTH FACES	5/8" GYPSUM BD	5d COOLER	7" OC	7" OC
INTERIOR NON-BRG WALLS	2x6 @ 16" OC SPF NO. 2	SINGLE 2x6	DOUBLE 2x6	BOTH FACES	5/8" GYPSUM BD	5d COOLER	7" OC	7" OC

WALL SCHEDULE FOR FOUR STORY BLDG (LEVEL 3)								
TYPE	FRAMING	SILL PLATE	TOP PLATE	SHEATHING	SHEATHING TYPE	NAIL SIZE	EDGES	FIELD
ALL EXTERIOR WALLS	2x6 @ 16" OC SPF NO. 2	SINGLE 2x6	DOUBLE 2x6	OUTSIDE FACE INSIDE FACE	7/16" EXT OSB 5/8" GYPSUM BD	8d COMMON 5d COOLER	3" OC 7" OC	6" OC 7" OC
SHEAR WALLS	2x6 @ 16" OC SPF NO. 2	SINGLE 2x6	DOUBLE 2x6	OUTSIDE FACE INSIDE FACE	7/16" EXT OSB 5/8" GYPSUM BD	8d COMMON 5d COOLER	3" OC 7" OC	6" OC 7" OC
INTERIOR BEARING WALLS	2x6 @ 16" OC SPF NO. 2	SINGLE 2x6	DOUBLE 2x6	BOTH FACES	5/8" GYPSUM BD	5d COOLER	7" OC	7" OC
INTERIOR NON-BRG WALLS	2x6 @ 16" OC SPF NO. 2	SINGLE 2x6	DOUBLE 2x6	BOTH FACES	5/8" GYPSUM BD	5d COOLER	7" OC	7" OC

WALL SCHEDULE FOR FOUR STORY BLDG (LEVEL 2)								
TYPE	FRAMING	SILL PLATE	TOP PLATE	SHEATHING	SHEATHING TYPE	NAIL SIZE	EDGES	FIELD
ALL EXTERIOR WALLS	2x6 @ 16" OC SPF NO. 2	SINGLE 2x6	DOUBLE 2x6	OUTSIDE FACE INSIDE FACE	7/16" EXT OSB 5/8" GYPSUM BD	8d COMMON 5d COOLER	3" OC 7" OC	6" OC 7" OC
SHEAR WALLS	2x6 @ 16" OC SPF NO. 2	SINGLE 2x6	DOUBLE 2x6	OUTSIDE FACE INSIDE FACE	7/16" EXT OSB 5/8" GYPSUM BD	8d COMMON 5d COOLER	3" OC 7" OC	6" OC 7" OC
INTERIOR BEARING WALLS	2x6 @ 16" OC SPF NO. 2	SINGLE 2x6	DOUBLE 2x6	BOTH FACES	5/8" GYPSUM BD	5d COOLER	7" OC	7" OC
INTERIOR NON-BRG WALLS	2x6 @ 16" OC SPF NO. 2	SINGLE 2x6	DOUBLE 2x6	BOTH FACES	5/8" GYPSUM BD	5d COOLER	7" OC	7" OC

WALL SCHEDULE FOR FOUR STORY BLDG (LEVEL 1)								
TYPE	FRAMING	SILL PLATE	TOP PLATE	SHEATHING	SHEATHING TYPE	NAIL SIZE	EDGES	FIELD
ALL EXTERIOR WALLS (SEE NOTE 1)	(2)2x6 @ 16" OC SYP NO. 2	PRESSURE TREATED SINGLE 2x6	DOUBLE 2x6	OUTSIDE FACE INSIDE FACE	7/16" EXT OSB 5/8" GYPSUM BD	8d COMMON 5d COOLER	3" OC 7" OC	6" OC 7" OC
SHEAR WALLS (SEE NOTE 2)	(2)2x6 @ 16" OC SPF NO. 2	PRESSURE TREATED SINGLE 2x6	DOUBLE 2x6	OUTSIDE FACE INSIDE FACE	7/16" EXT OSB 5/8" GYPSUM BD	8d COMMON 5d COOLER	3" OC 7" OC	6" OC 7" OC
INTERIOR BEARING WALLS	(2)2x6@16" OC SPF NO. 2	PRESSURE TREATED SINGLE 2x6	DOUBLE 2x6	BOTH FACES	5/8" GYPSUM BD	5d COOLER	7" OC	7" OC
INTERIOR NON-BRG WALLS	2x6 @ 16" OC SPF NO. 2	PRESSURE TREATED SINGLE 2x6	DOUBLE 2x6	BOTH FACES	5/8" GYPSUM BD	5d COOLER	7" OC	7" OC

TYPICAL WALL FRAMING NOTES:
1. STUDS WITH 3'-0" OF ALL CORNERS SHALL BE 12" OC
2. BOTTOM PLATES SHALL BE ATTACHED TO SLAB WITH 3/4" DIA x 8" EMBEDDED ANCHOR BOLTS @ 2'-0" OC MAX & 6" MAX FROM ENDS
3. PROVIDE 2x BLOCKING AT ALL UNSUPPORTED SHEATHING PANEL EDGES.
4. PROVIDE 1/8" GAP AT ALL SHEATHING PANEL EDGES AND END JOINTS UNO.
5. PROVIDE 3/8" GAP AT EACH FLOOR PLATE LEVEL FOR WOOD SHRINKAGE.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

WESCOTT STRUCTURES, PA
FOUNDED ON INTEGRITY
9400 PHELPS RD, SUITE 200
MOUNT PLEASANT, NC 28124
WESCOTT STRUCTURES, PA
CORPORATE
SEAL
C-3040
MECKLENBURG COUNTY
NORTH CAROLINA
NORTH CAROLINA
REGISTERED
SEAL
2366
PROFESSIONAL
ENGINEER
REBECCA S. WESCOTT
12-8-25

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

LELAND, NORTH CAROLINA

issue date:

ISSUE	NAME	DATE
1ST	xxxx	xx/xx/20xx

revisions:

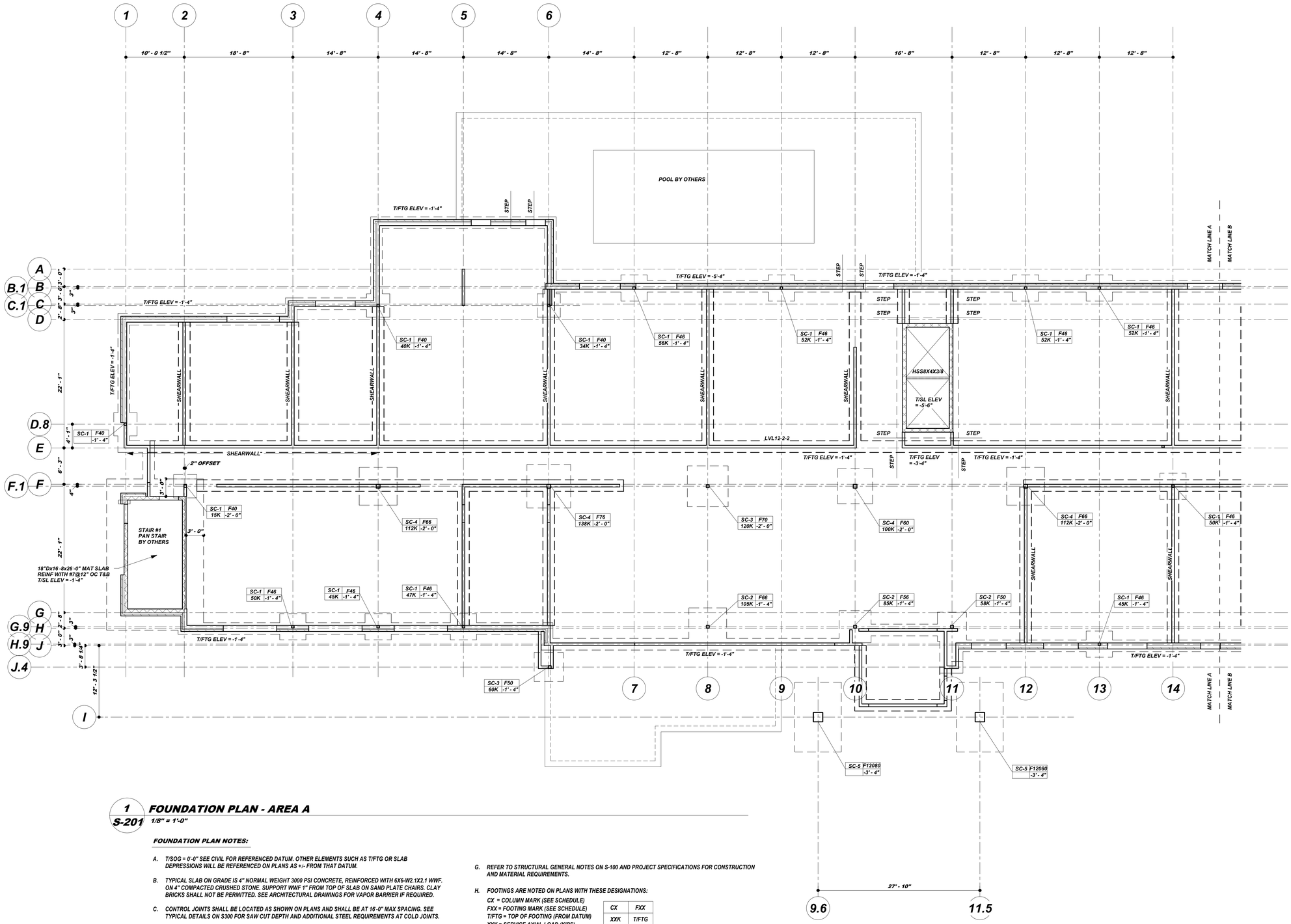
Revision	Date	Description

drawn by:
Author
checked by:
Checker
project no:
WesS #25.006

SCHEDULES

S-101

9/17/2026 12:08:12 PM



1 / S-201 FOUNDATION PLAN - AREA A

1/8" = 1'-0"

FOUNDATION PLAN NOTES:

A. T/SOG = 0'-0" SEE CIVIL FOR REFERENCED DATUM. OTHER ELEMENTS SUCH AS T/FTG OR SLAB DEPRESSIONS WILL BE REFERENCED ON PLANS AS +/- FROM THAT DATUM.

B. TYPICAL SLAB ON GRADE IS 4" NORMAL WEIGHT 3000 PSI CONCRETE, REINFORCED WITH 6X6-W2.1X2.1 WWF. ON 4" COMPACTED CRUSHED STONE. SUPPORT WWF 1" FROM TOP OF SLAB ON SAND PLATE CHAIRS. CLAY BRICKS SHALL NOT BE PERMITTED. SEE ARCHITECTURAL DRAWINGS FOR VAPOR BARRIER IF REQUIRED.

C. CONTROL JOINTS SHALL BE LOCATED AS SHOWN ON PLANS AND SHALL BE AT 16'-0" MAX SPACING. SEE TYPICAL DETAILS ON S300 FOR SAW CUT DEPTH AND ADDITIONAL STEEL REQUIREMENTS AT COLD JOINTS.

D. COLUMN AND WALL FOOTINGS SHALL BEAR ON UNDISTURBED BEARING STRATA OR ON ENGINEERED FILL ACCORDING TO THE GEOTECHNICAL REPORT NOTED ON S1.00 STRUCTUURAL GENERAL NOTES. UNDERCUTTING AND BACKFILLING IS NOT PERMITTED. OVEREXCAVATION SHALL BE FILLED WITH 2000 PSI LEAN CONCRETE.

E. T/FTG ELEVATIONS ARE SHOWN ON PLAN. WALL FOOTINGS ADJACENT TO COLUMNS SHALL MATCH COLUMN FOOTINGS. PLAN DIMENSIONS OF STEP FTGS ARE APPROXIMATE AND MAY BE ADJUSTED RELATIVE TO ACTUAL GRADES AS REQUIRED WITH 2'-0" MINIMUM SEPARATION.

F. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLAB DIMENSIONS, SLOPES, AND DEPRESSIONS, BLOCK-OUTS, DRAIN LINES, DUCT BUSSES, SLEEVES, OUTLET BOXES, CONDUIT, AND OTHER COORDINATION ITEMS.

G. REFER TO STRUCTURAL GENERAL NOTES ON S-100 AND PROJECT SPECIFICATIONS FOR CONSTRUCTION AND MATERIAL REQUIREMENTS.

H. FOOTINGS ARE NOTED ON PLANS WITH THESE DESIGNATIONS:

CX = COLUMN MARK (SEE SCHEDULE)
FXX = FOOTING MARK (SEE SCHEDULE)
T/FTG = TOP OF FOOTING (FROM DATUM)
XXK = SERVICE AXIAL LOAD (KIPS)
(XXK) = SERVICE UPLIFT (KIPS)

CX	FXX
XXK	T/FTG
(XXK)	

J. REFER TO SHEET S-101 FOR COLUMN, FOOTING, BEAM, HEADER AND WALL SCHEDULES.

L. HEADERS SIZE SHALL BE H10-3-2 UNLESS NOTED OTHERWISE

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

WESCOTT STRUCTURES, PA
FOUNDED ON INTEGRITY
9400 PHELPS RD, SUITE 200
MOUNT PLEASANT, NC 28124
WESCOTT STRUCTURES, PA CORPORATE SEAL C-3040 MECKLENBURG COUNTY NORTH CAROLINA
NORTH CAROLINA PROFESSIONAL SEAL 036 ENGINEER REBECCA S. WESCOTT
12-8-25

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

LELAND, NORTH CAROLINA

issue date:

ISSUE	NAME	DATE
1ST	xxxx	xx/xx/20xx

revisions:

Revision	Date	Description

drawn by: CADD

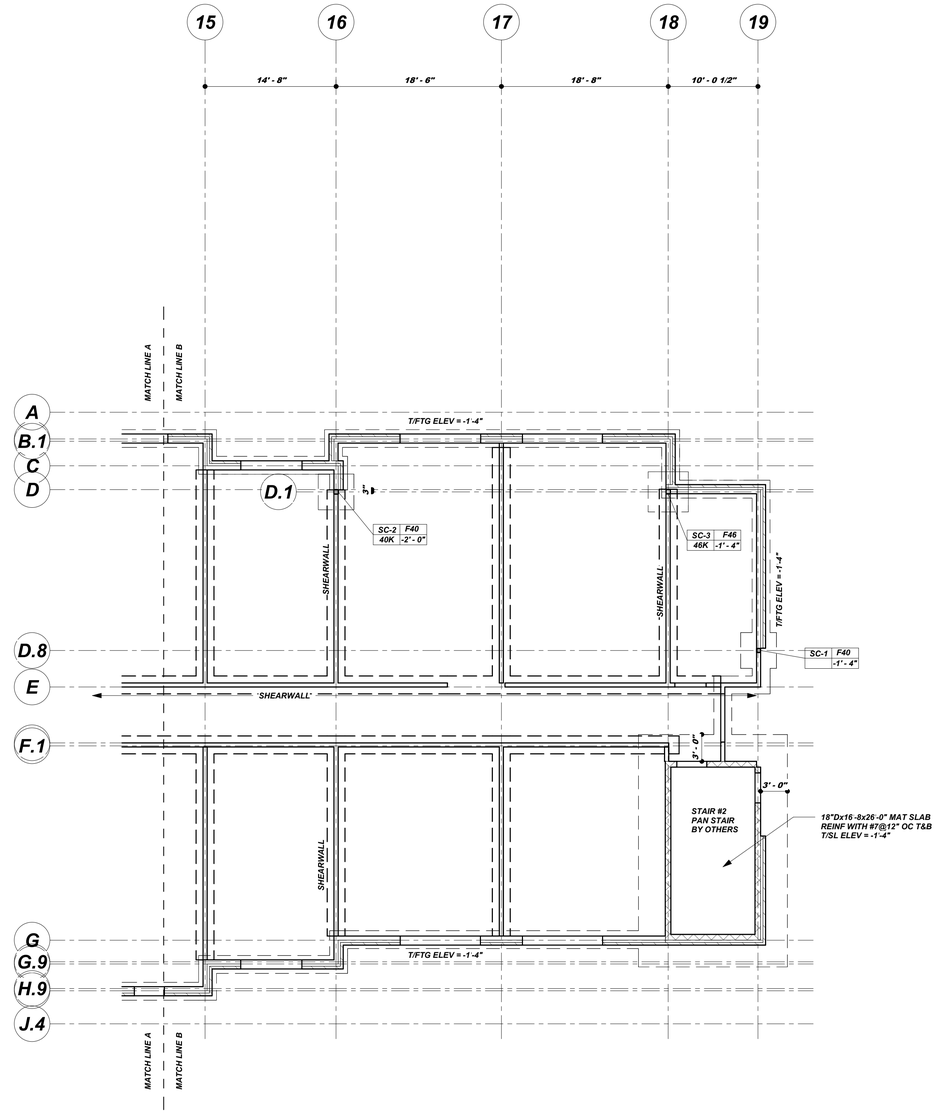
checked by: RSW

project no: WesS #25.006

FOUNDATION PLAN - AREA A

S-201

9/17/2026 12:08:13 PM



1 / S-202 FOUNDATION PLAN - AREA B

1/8" = 1'-0"

FOUNDATION PLAN NOTES:

A. T/SOG = 0'-0" SEE CIVIL FOR REFERENCED DATUM. OTHER ELEMENTS SUCH AS T/FTG OR SLAB DEPRESSIONS WILL BE REFERENCED ON PLANS AS +/- FROM THAT DATUM.

B. TYPICAL SLAB ON GRADE IS 4" NORMAL WEIGHT 3000 PSI CONCRETE, REINFORCED WITH 6X6-W2.1X2.1 WWF. ON 4" COMPACTED CRUSHED STONE. SUPPORT WWF 1" FROM TOP OF SLAB ON SAND PLATE CHAIRS. CLAY BRICKS SHALL NOT BE PERMITTED. SEE ARCHITECTURAL DRAWINGS FOR VAPOR BARRIER IF REQUIRED.

C. CONTROL JOINTS SHALL BE LOCATED AS SHOWN ON PLANS AND SHALL BE AT 16'-0" MAX SPACING. SEE TYPICAL DETAILS ON S300 FOR SAW CUT DEPTH AND ADDITIONAL STEEL REQUIREMENTS AT COLD JOINTS.

D. COLUMN AND WALL FOOTINGS SHALL BEAR ON UNDISTURBED BEARING STRATA OR ON ENGINEERED FILL ACCORDING TO THE GEOTECHNICAL REPORT NOTED ON S1.00 STRUCTUURAL GENERAL NOTES. UNDERCUTTING AND BACKFILLING IS NOT PERMITTED. OVEREXCAVATION SHALL BE FILLED WITH 2000 PSI LEAN CONCRETE.

E. T/FTG ELEVATIONS ARE SHOWN ON PLAN. WALL FOOTINGS ADJACENT TO COLUMNS SHALL MATCH COLUMN FOOTINGS. PLAN DIMENSIONS OF STEP FTGS ARE APPROXIMATE AND MAY BE ADJUSTED RELATIVE TO ACTUAL GRADES AS REQUIRED WITH 2'-0" MINIMUM SEPARATION.

F. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLAB DIMENSIONS, SLOPES, AND DEPRESSIONS, BLOCK-OUTS, DRAIN LINES, DUCT BUSSES, SLEEVES, OUTLET BOXES, CONDUIT, AND OTHER COORDINATION ITEMS.

G. REFER TO STRUCTURAL GENERAL NOTES ON S-100 AND PROJECT SPECIFICATIONS FOR CONSTRUCTION AND MATERIAL REQUIREMENTS.

H. FOOTINGS ARE NOTED ON PLANS WITH THESE DESIGNATIONS:

CX = COLUMN MARK (SEE SCHEDULE)
FXX = FOOTING MARK (SEE SCHEDULE)
T/FTG = TOP OF FOOTING (FROM DATUM)
XXK = SERVICE AXIAL LOAD (KIPS)
(XXK) = SERVICE UPLIFT (KIPS)

CX	FXX
XXK	T/FTG
(XXK)	

J. REFER TO SHEET S-101 FOR COLUMN, FOOTING, BEAM, HEADER AND WALL SCHEDULES.

L. HEADERS SIZE SHALL BE H10-3-2 UNLESS NOTED OTHERWISE

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p: 919.838.9934
f: 919.838.9995

WESCOTT STRUCTURES, PA
FOUNDED ON INTEGRITY
9400 PHELPS RD, SUITE 200
MOUNT PLEASANT, NC 28124

WESCOTT STRUCTURES, P.A.
CORPORATE
SEAL
C-3040
MECKLENBURG COUNTY
NORTH CAROLINA

NORTH CAROLINA
PROFESSIONAL
SEAL
2366
REBECCA S. WESCOTT
12-8-25

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

LELAND, NORTH CAROLINA

issue date:

ISSUE	NAME	DATE
1ST	xxxx	xx/xx/20xx

revisions:

Revision	Date	Description

drawn by:
Author

checked by:
Checker

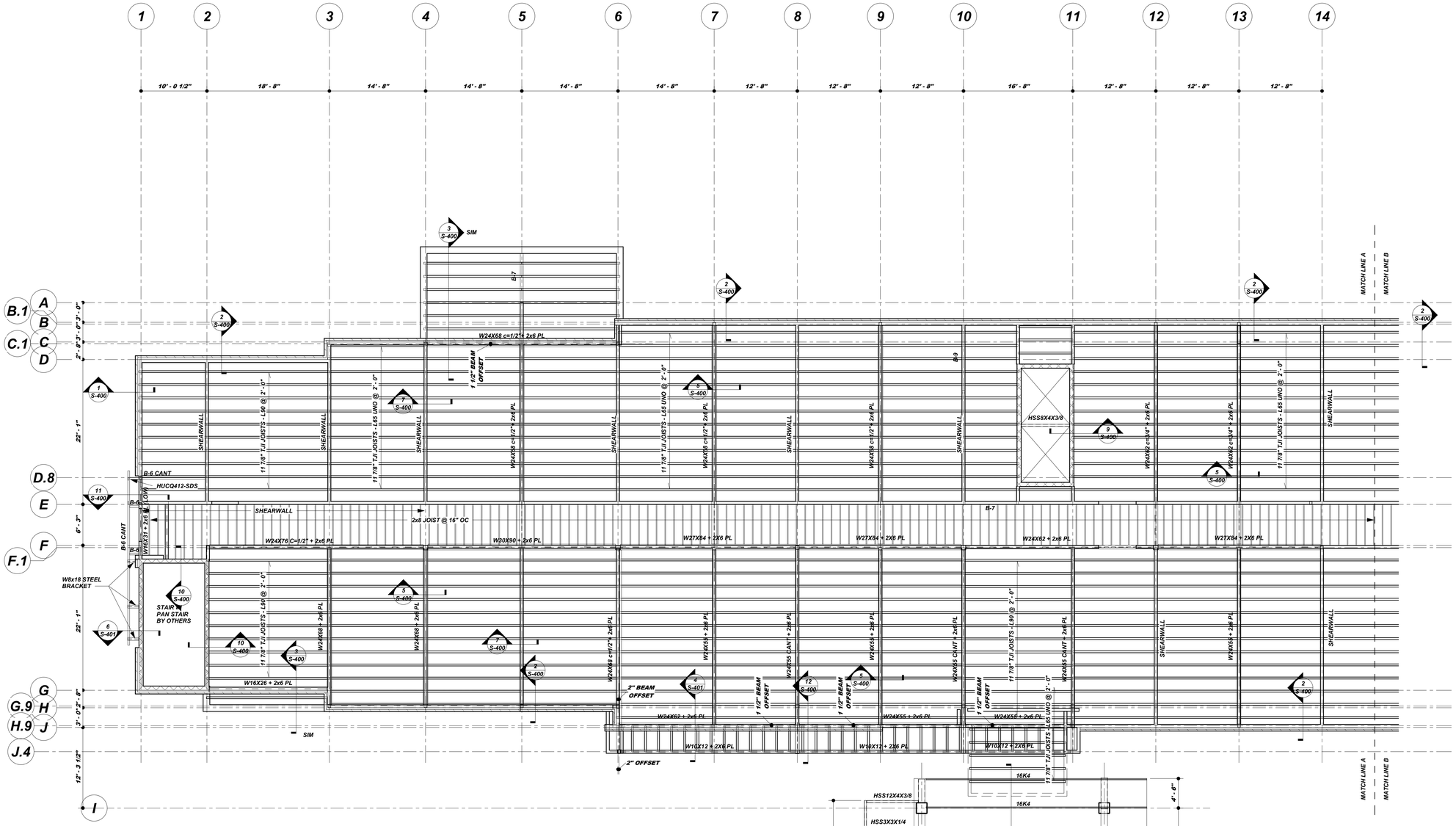
project no:
WesS #25.006

FOUNDATION PLAN - AREA B

S-202

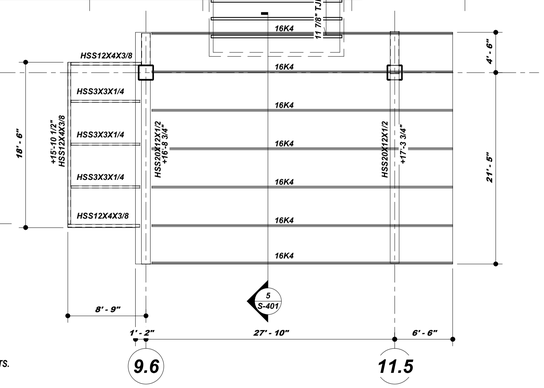
9/17/2026 12:08:13 PM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



1 / S-203 LEVEL 200 FRAMING PLAN - AREA A

1/8" = 1'-0"



FLOOR FRAMING NOTES:

A. SEE ARCHITECTURAL DRAWINGS FOR T/SUBFLOOR ELEVATION, DIMENSIONS, SLOPES, AND DEPRESSIONS.

B. TYPICAL SUBFLOOR SHEATHING IS 3/4" ORIENTED STRAND BOARD. SHEATHING SHALL BE A MINIMUM OF 24" WIDE AND INSTALLED WITH LONG SIDES PERPENDICULAR TO FLOOR FRAMING. STAGGER END JOINTS AND PROVIDE 1/8" GAP AT EDGES. TYPICAL NAILING PATTERN SHALL BE 10D CC NAILS @ 12" OC IN PANEL FIELD AND 6" OC AT ALL EDGES. DIAPHRAGMS SHALL BE BLOCKED AT ALL EXTERIOR & BEARING WALLS.

C. THE LOAD BEARING SIDE OF ALL DOUBLE WALLS SHALL HAVE ONE SIDE SHEATHED AS A SHEARWALL. ADDITIONAL SHEARWALLS ARE NOTED ON THE PLANS. SHEARWALLS SHALL BE SHEATHED AND FASTENED ACCORDING TO SCHEDULE ON S1.01.

D. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR BLOCK-OUTS, DRAIN LINES, SLEEVES, OUTLET BOXES, CONDUIT, AND OTHER COORDINATION ITEMS. PROVIDE VERTICAL SLIP CONNECTIONS AT EVERY FLOOR TO ACCOMMODATE 1/4" SHRINKAGE (CUMULATIVE).

E. REFER TO STRUCTURAL GENERAL NOTES ON S-100 AND PROJECT SPECIFICATIONS FOR CONSTRUCTION AND MATERIAL REQUIREMENTS.

F. MECHANICAL EQUIPMENT SHOWN ON PLAN ARE APPROXIMATE LOCATIONS AND SHALL BE VERIFIED WITH THE MECHANICAL ENGINEER PRIOR TO INSTALLATION. UNIT WEIGHTS SHOWN ON PLAN ARE THOSE USED FOR DESIGN. NO UNITS SHALL BE INSTALLED WITH WEIGHTS GREATER THAN THOSE SHOWN WITHOUT PRIOR WRITTEN CONSENT FROM THE STRUCTURAL ENGINEER OF RECORD.

G. SEE SHEET S-101 FOR COLUMN, FOOTING, HEADER AND WALL SCHEDULES AND CONNECTION REQUIREMENTS.

H. HEADERS IN EXTERIOR AND LOAD BEARING WALLS SHALL BE H10-3-2 UNO.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

WESCOTT STRUCTURES, PA
FOUNDED ON INTEGRITY
9400 PHELPS RD., SUITE 200
MOUNT PLEASANT, NC 28124
WESCOTT STRUCTURES, P.A.
CORPORATE SEAL C-3040
MECKLENBURG COUNTY
NORTH CAROLINA
NORTH CAROLINA PROFESSIONAL SEAL 036 ENGINEER REBECCA S. WESCOTT
12-8-25

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

LELAND, NORTH CAROLINA

issue date:

ISSUE	NAME	DATE
1ST	xxxx	xx/xx/20xx

revisions:

Revision	Date	Description

drawn by: Author

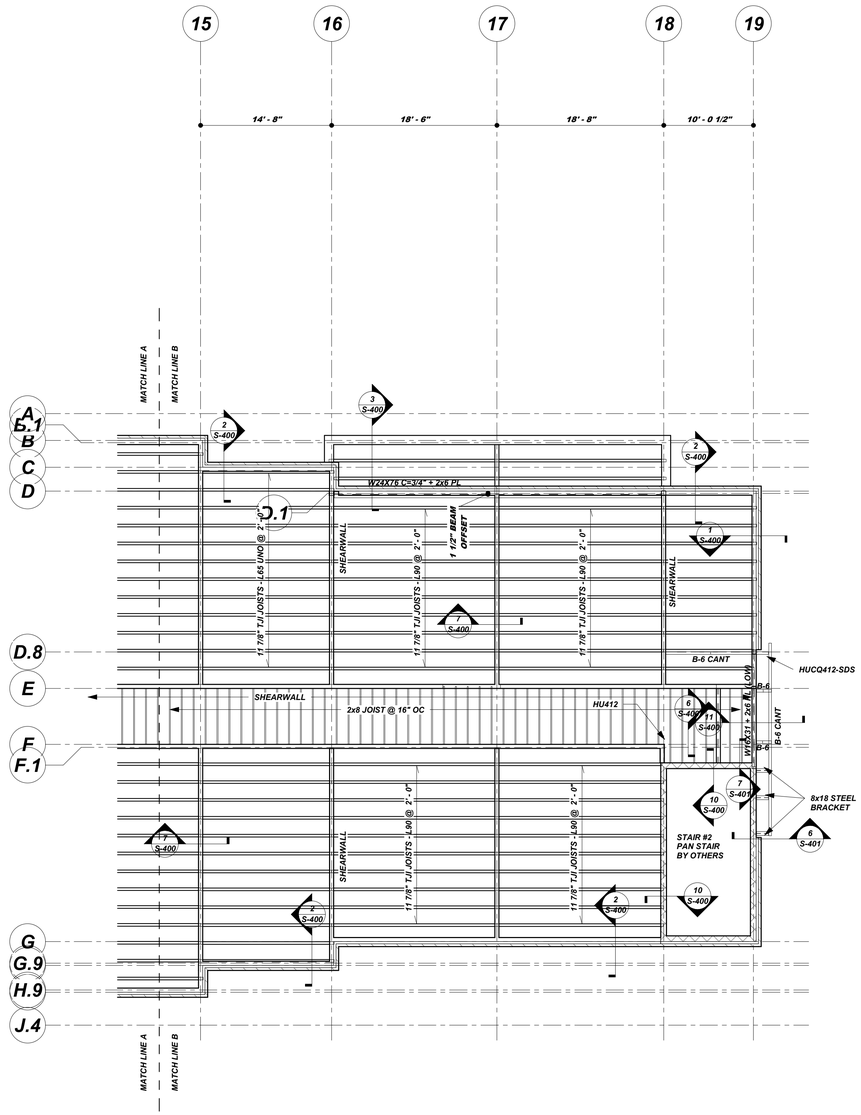
checked by: Checker

project no: WesS #25.006

2ND FLOOR FRAMING PLAN - AREA A

S-203

9/17/2026 12:08:16 PM



1 / S-204 LEVEL 200 FRAMING PLAN - AREA B

1/8" = 1'-0"

FLOOR FRAMING NOTES:

A. SEE ARCHITECTURAL DRAWINGS FOR T/SUBFLOOR ELEVATION, DIMENSIONS, SLOPES, AND DEPRESSIONS.

B. TYPICAL SUBFLOOR SHEATHING IS 3/4" ORIENTED STRAND BOARD. SHEATHING SHALL BE A MINIMUM OF 24" WIDE AND INSTALLED WITH LONG SIDES PERPENDICULAR TO FLOOR FRAMING. STAGGER END JOINTS AND PROVIDE 1/8" GAP AT EDGES. TYPICAL NAILING PATTERN SHALL BE 10D CC NAILS @ 12" OC IN PANEL FIELD AND 6" OC AT ALL EDGES. DIAPHRAGMS SHALL BE BLOCKED AT ALL EXTERIOR & BEARING WALLS.

C. THE LOAD BEARING SIDE OF ALL DOUBLE WALLS SHALL HAVE ONE SIDE SHEATHED AS A SHEARWALL. ADDITIONAL SHEARWALLS ARE NOTED ON THE PLANS. SHEARWALLS SHALL BE SHEATHED AND FASTENED ACCORDING TO SCHEDULE ON S1.01.

D. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR BLOCK-OUTS, DRAIN LINES, SLEEVES, OUTLET BOXES, CONDUIT, AND OTHER COORDINATION ITEMS. PROVIDE VERTICAL SLIP CONNECTIONS AT EVERY FLOOR TO ACCOMMODATE 1/4" SHRINKAGE (CUMULATIVE).

E. REFER TO STRUCTURAL GENERAL NOTES ON S-100 AND PROJECT SPECIFICATIONS FOR CONSTRUCTION AND MATERIAL REQUIREMENTS.

F. MECHANICAL EQUIPMENT SHOWN ON PLAN ARE APPROXIMATE LOCATIONS AND SHALL BE VERIFIED WITH THE MECHANICAL ENGINEER PRIOR TO INSTALLATION. UNIT WEIGHTS SHOWN ON PLAN ARE THOSE USED FOR DESIGN. NO UNITS SHALL BE INSTALLED WITH WEIGHTS GREATER THAN THOSE SHOWN WITHOUT PRIOR WRITTEN CONSENT FROM THE STRUCTURAL ENGINEER OF RECORD.

G. SEE SHEET S-101 FOR COLUMN, FOOTING, HEADER AND WALL SCHEDULES AND CONNECTION REQUIREMENTS.

H. HEADERS IN EXTERIOR AND LOAD BEARING WALLS SHALL BE H10-3-2 UNO.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

WESCOTT STRUCTURES, PA
FOUNDED ON INTEGRITY
9400 PHELPS RD, SUITE 200
MOUNT PLEASANT, NC 28124
WESCOTT STRUCTURES, PA
CORPORATE
SEAL
C-3040
MECKLENBURG COUNTY
NORTH CAROLINA
NORTH CAROLINA
PROFESSIONAL
SEAL
REBECCA S. WESCOTT
12-8-25

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

LELAND, NORTH CAROLINA

issue date:

ISSUE	NAME	DATE
1ST	xxxx	xx/xx/20xx

revisions:

Revision	Date	Description

drawn by: CADD

checked by: RSW

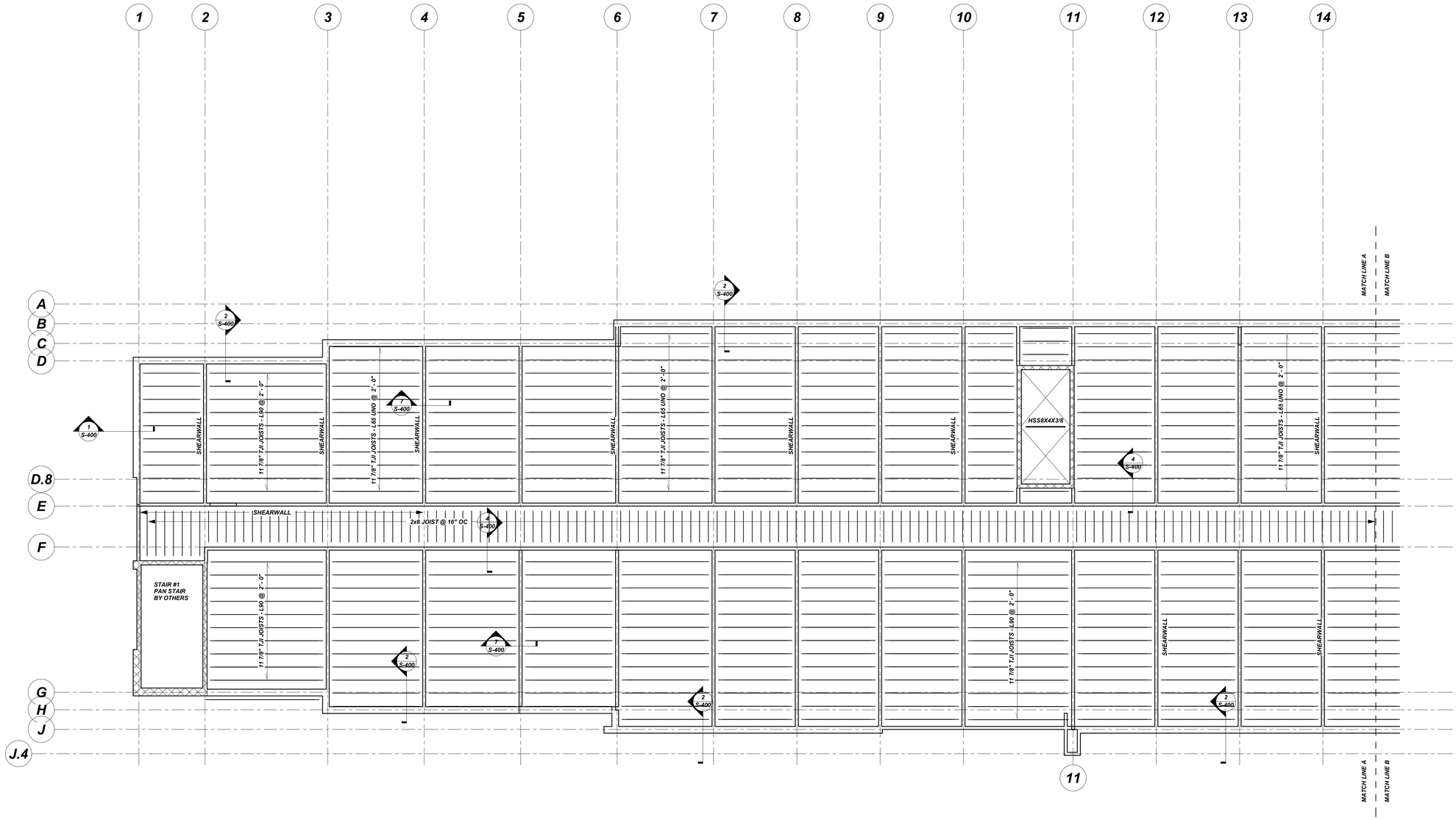
project no: WesS #25.006

2ND FLOOR FRAMING PLAN - AREA B

S-204

9/17/2026 12:08:17 PM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



1 / S-205 LEVEL 300 & 400 FRAMING PLANS - AREA A

1/8" = 1'-0"

FLOOR FRAMING NOTES:

A. SEE ARCHITECTURAL DRAWINGS FOR T/SUBFLOOR ELEVATION, DIMENSIONS, SLOPES, AND DEPRESSIONS.

B. TYPICAL SUBFLOOR SHEATHING IS 3/4" ORIENTED STRAND BOARD. SHEATHING SHALL BE A MINIMUM OF 24" WIDE AND INSTALLED WITH LONG SIDES PERPENDICULAR TO FLOOR FRAMING. STAGGER END JOINTS AND PROVIDE 1/8" GAP AT EDGES. TYPICAL NAILING PATTERN SHALL BE 10D CC NAILS @ 12" OC IN PANEL FIELD AND 6" OC AT ALL EDGES. DIAPHRAGMS SHALL BE BLOCKED AT ALL EXTERIOR & BEARING WALLS.

C. THE LOAD BEARING SIDE OF ALL DOUBLE WALLS SHALL HAVE ONE SIDE SHEATHED AS A SHEARWALL. ADDITIONAL SHEARWALLS ARE NOTED ON THE PLANS. SHEARWALLS SHALL BE SHEATHED AND FASTENED ACCORDING TO SCHEDULE ON S1.01.

D. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR BLOCK-OUTS, DRAIN LINES, SLEEVES, OUTLET BOXES, CONDUIT, AND OTHER COORDINATION ITEMS. PROVIDE VERTICAL SLIP CONNECTIONS AT EVERY FLOOR TO ACCOMMODATE 1/4" SHRINKAGE (CUMULATIVE).

E. REFER TO STRUCTURAL GENERAL NOTES ON S-100 AND PROJECT SPECIFICATIONS FOR CONSTRUCTION AND MATERIAL REQUIREMENTS.

F. MECHANICAL EQUIPMENT SHOWN ON PLAN ARE APPROXIMATE LOCATIONS AND SHALL BE VERIFIED WITH THE MECHANICAL ENGINEER PRIOR TO INSTALLATION. UNIT WEIGHTS SHOWN ON PLAN ARE THOSE USED FOR DESIGN. NO UNITS SHALL BE INSTALLED WITH WEIGHTS GREATER THAN THOSE SHOWN WITHOUT PRIOR WRITTEN CONSENT FROM THE STRUCTURAL ENGINEER OF RECORD.

G. SEE SHEET S-101 FOR COLUMN, FOOTING, HEADER AND WALL SCHEDULES AND CONNECTION REQUIREMENTS.

H. HEADERS IN EXTERIOR AND LOAD BEARING WALLS SHALL BE H10-3-2 UNO.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

WESCOTT STRUCTURES, PA
FOUNDED ON INTEGRITY
9400 PHELPS RD, SUITE 200
MOUNT PLEASANT, NC 28124

WESCOTT STRUCTURES, P.A.
CORPORATE SEAL C-3040
MECKLENBURG COUNTY
NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 036 ENGINEER REBECCA S. WESCOTT
12-8-25

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

LELAND, NORTH CAROLINA

issue date:

ISSUE	NAME	DATE
1ST	xxxx	xx/xx/20xx

revisions:

Revision	Date	Description

drawn by: Author

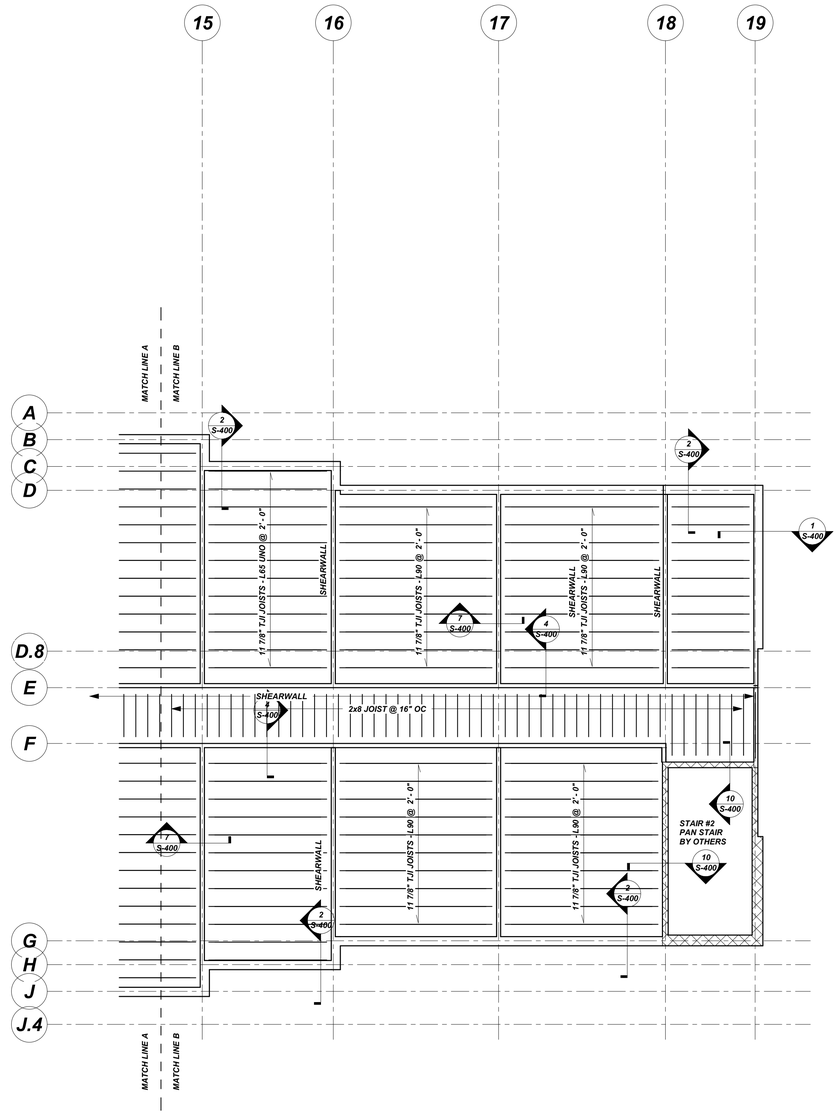
checked by: Checker

project no: WesS #25.006

3RD & 4TH FLOOR FRAMING PLANS - AREA A

S-205

9/17/2026 12:08:18 PM



1 S-206 LEVEL 300 & 400 FRAMING PLANS - AREA B

1/8" = 1'-0"

FLOOR FRAMING NOTES:

A. SEE ARCHITECTURAL DRAWINGS FOR T/SUBFLOOR ELEVATION, DIMENSIONS, SLOPES, AND DEPRESSIONS.

B. TYPICAL SUBFLOOR SHEATHING IS 3/4" ORIENTED STRAND BOARD. SHEATHING SHALL BE A MINIMUM OF 24" WIDE AND INSTALLED WITH LONG SIDES PERPENDICULAR TO FLOOR FRAMING. STAGGER END JOINTS AND PROVIDE 1/8" GAP AT EDGES. TYPICAL NAILING PATTERN SHALL BE 100 CC NAILS @ 12" OC IN PANEL FIELD AND 6" OC AT ALL EDGES. DIAPHRAGMS SHALL BE BLOCKED AT ALL EXTERIOR & BEARING WALLS.

C. THE LOAD BEARING SIDE OF ALL DOUBLE WALLS SHALL HAVE ONE SIDE SHEATHED AS A SHEARWALL. ADDITIONAL SHEARWALLS ARE NOTED ON THE PLANS. SHEARWALLS SHALL BE SHEATHED AND FASTENED ACCORDING TO SCHEDULE ON S1.01.

D. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR BLOCK-OUTS, DRAIN LINES, SLEEVES, OUTLET BOXES, CONDUIT, AND OTHER COORDINATION ITEMS. PROVIDE VERTICAL SLIP CONNECTIONS AT EVERY FLOOR TO ACCOMMODATE 1/4" SHRINKAGE (CUMULATIVE).

E. REFER TO STRUCTURAL GENERAL NOTES ON S-100 AND PROJECT SPECIFICATIONS FOR CONSTRUCTION AND MATERIAL REQUIREMENTS.

F. MECHANICAL EQUIPMENT SHOWN ON PLAN ARE APPROXIMATE LOCATIONS AND SHALL BE VERIFIED WITH THE MECHANICAL ENGINEER PRIOR TO INSTALLATION. UNIT WEIGHTS SHOWN ON PLAN ARE THOSE USED FOR DESIGN. NO UNITS SHALL BE INSTALLED WITH WEIGHTS GREATER THAN THOSE SHOWN WITHOUT PRIOR WRITTEN CONSENT FROM THE STRUCTURAL ENGINEER OF RECORD.

G. SEE SHEET S-101 FOR COLUMN, FOOTING, HEADER AND WALL SCHEDULES AND CONNECTION REQUIREMENTS.

H. HEADERS IN EXTERIOR AND LOAD BEARING WALLS SHALL BE H10-3-2 UNO.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

WESCOTT STRUCTURES, PA
FOUNDED ON INTEGRITY
9400 PHELPS RD, SUITE 200
MOUNT PLEASANT, NC 28124

WESCOTT STRUCTURES, P.A. CORPORATE SEAL C-3040 MECKLENBURG COUNTY NORTH CAROLINA

NORTH CAROLINA REGISTERED PROFESSIONAL SEAL 2366 ENGINEER REBECCA S. WESCOTT

12-8-25

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

LELAND, NORTH CAROLINA

issue date:

ISSUE	NAME	DATE
1ST	xxxx	xx/xx/20xx

revisions:

Revision	Date	Description

drawn by: CADD

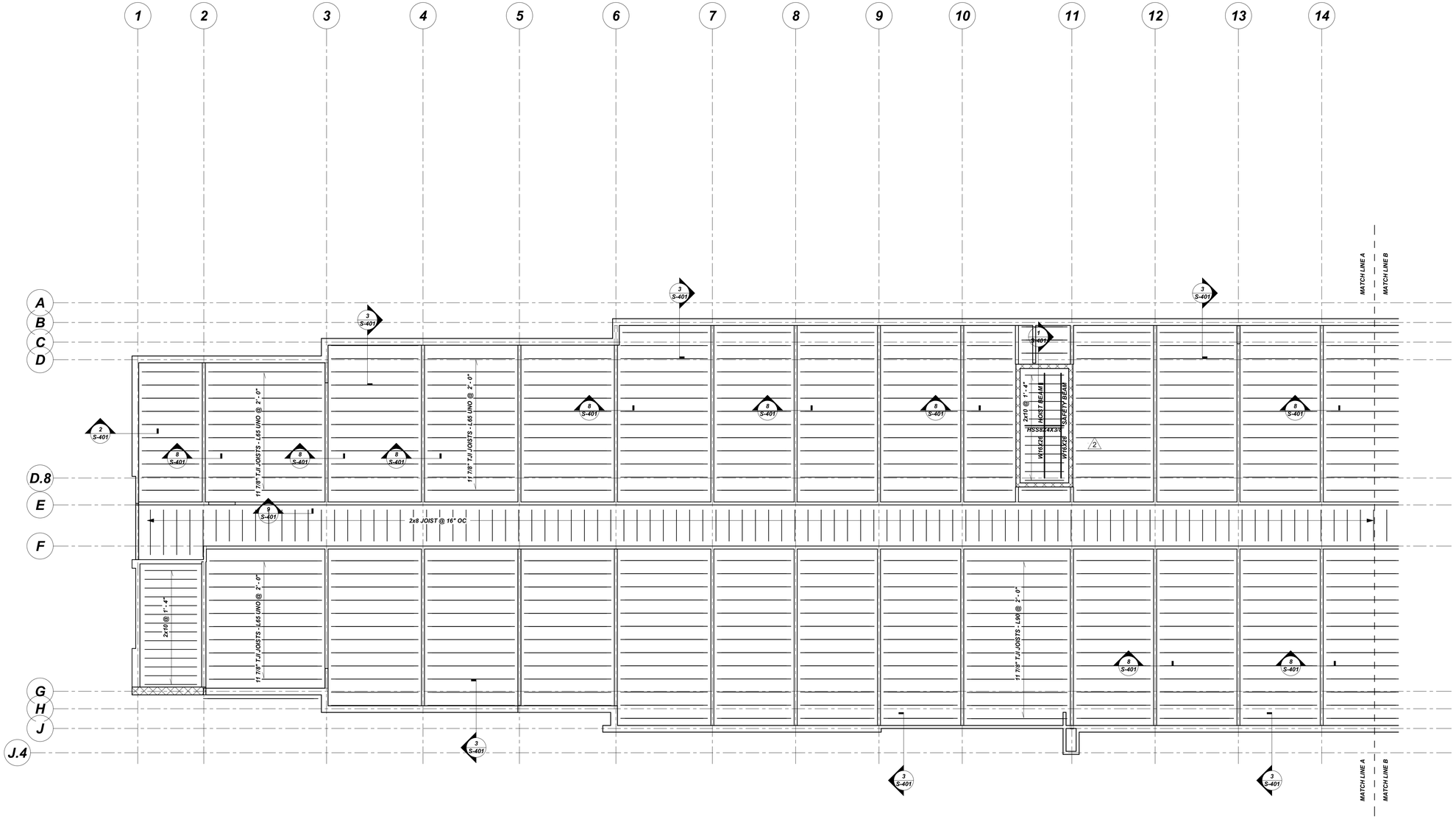
checked by: RSW

project no: WesS #25.006

3RD & 4TH FLOOR FRAMING PLANS - AREA B

S-206

9/17/2026 12:08:18 PM



1 / S-207 ROOF FRAMING PLAN - AREA A

1/8" = 1'-0"

ROOF FRAMING NOTES:

A. SEE ARCHITECTURAL DRAWINGS FOR TRUSS BEARING ELEVATION.

B. TYPICAL ROOF SHEATHING IS 23/32" OSB UNLESS NOTED. USE TREATED EXTERIOR GRADE IN AREAS SUBJECT TO WEATHER EXPOSURE. SHEATHING SHALL BE A MINIMUM OF 24" WIDE AND MAY BE INSTALLED WITH LONG SIDES PARALLEL TO ROOF FRAMING. STAGGER END JOINTS AND PROVIDE 1/8" GAP AT EDGES. TYPICAL NAILING PATTERN SHALL BE 10d CC NAILS @ 12" OC IN PANEL FIELD AND 6" OC AT ALL EDGES. AT ALL PERIMETER EDGES THE FIRST 4'-0" SHALL BE FASTENED WITH 10d CC NAILS @ 4" OC.

C. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, SLOPES, AND DEPRESSIONS.

D. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR BLOCK-OUTS, DRAIN LINES, SLEEVES, OUTLET BOXES, CONDUIT, AND OTHER COORDINATION ITEMS. PROVIDE VERTICAL SLIP CONNECTIONS AT EVERY FLOOR TO ACCOMMODATE 1/4" SHRINKAGE (CUMULATIVE).

E. REFER TO STRUCTURAL GENERAL NOTES ON S100 AND PROJECT SPECIFICATIONS FOR CONSTRUCTION AND MATERIAL REQUIREMENTS.

F. MECHANICAL EQUIPMENT SHOWN ON PLAN ARE IN APPROXIMATE LOCATIONS AND SHALL BE VERIFIED WITH THE MECHANICAL ENGINEER PRIOR TO INSTALLATION. UNIT WEIGHTS SHOWN ON PLAN ARE THOSE USED FOR DESIGN. NO UNITS SHALL BE INSTALLED WITH WEIGHTS GREATER THAN THOSE SHOWN WITHOUT PRIOR WRITTEN CONSENT FROM THE STRUCTURAL ENGINEER OF RECORD.

G. TYPICAL ROOF TRUSSES SHALL BE DESIGNED FOR 20 PSF DL PLUS 20 PSF LL OVER A 2'-0" TRIB WIDTH PLUS ALL ADDITIONAL APPLICABLE LOADS FROM TRANSFERS, WALLS, OVERFRAMING, ETC. PROVIDE SIMPSON H2.5A AT EACH JOIST (OR APPROVED EQUAL WITH MINIMUM CAPACITY 5 PSF NET UPLIFT).

H. ALL ROOF TRUSS GIRDER ENDS SHALL BE FRAMED WITH BUILT-UP COLUMNS CONTINUOUSLY FROM UNDERSIDE OF BEARING TO THE FOUNDATION.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

WESCOTT STRUCTURES, PA
FOUNDED ON INTEGRITY
9400 PHELPS RD, SUITE 200
MOUNT PLEASANT, NC 28124

WESCOTT STRUCTURES, P.A. CORPORATE SEAL C-3040 MECKLENBURG COUNTY NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 2566 REBECCA S. WESCOTT
7-1-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

LELAND, NORTH CAROLINA

issue date:

ISSUE	NAME	DATE
1ST	xxxx	xx/xx/20xx

revisions:

Revision	Date	Description
2	7-1-26	DUMPSTER ENCLOSURE

drawn by: CADD

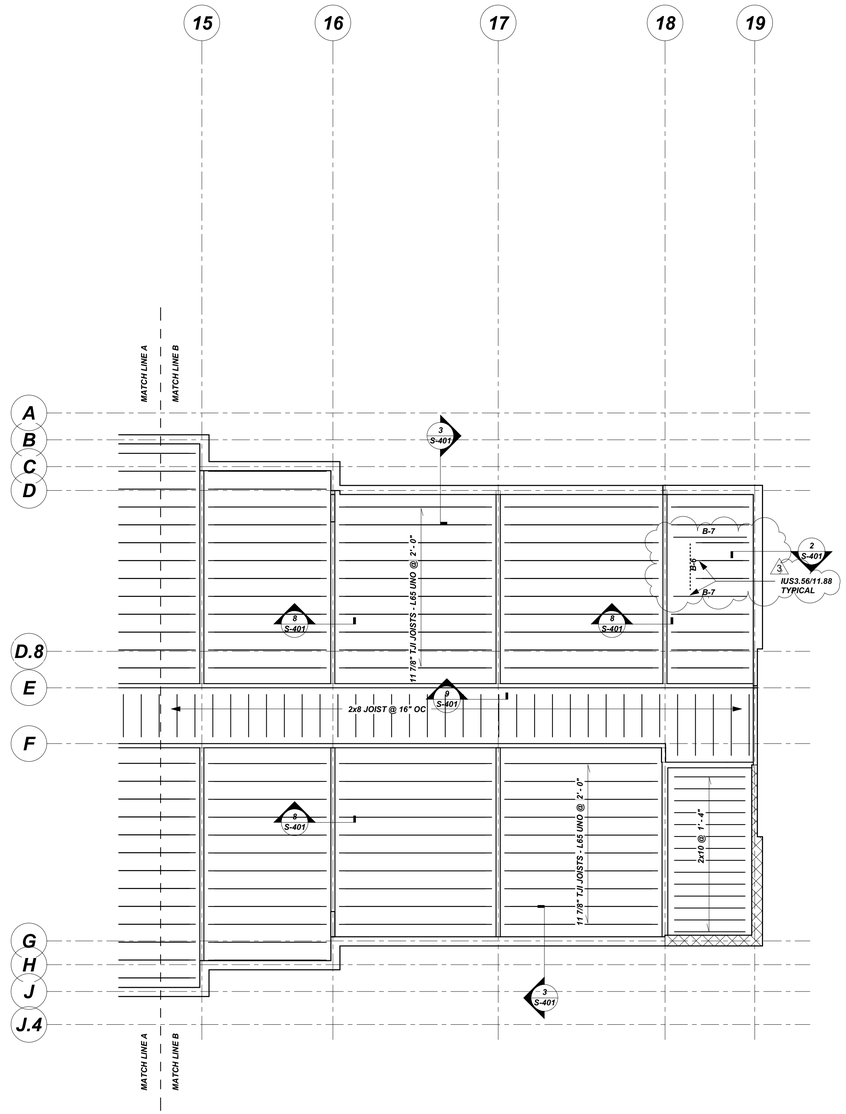
checked by: RSW

project no: WesS #25.006

ROOF FRAMING PLAN - AREA A

S-207

9/17/2026 12:08:20 PM



1 S-208 ROOF FRAMING PLAN - AREA B

1/8" = 1'-0"

ROOF FRAMING NOTES:

A. SEE ARCHITECTURAL DRAWINGS FOR TRUSS BEARING ELEVATION.

B. TYPICAL ROOF SHEATHING IS 23/32" OSB UNLESS NOTED. USE TREATED EXTERIOR GRADE IN AREAS SUBJECT TO WEATHER EXPOSURE. SHEATHING SHALL BE A MINIMUM OF 24" WIDE AND MAY BE INSTALLED WITH LONG SIDES PARALLEL TO ROOF FRAMING. STAGGER END JOINTS AND PROVIDE 1/8" GAP AT EDGES. TYPICAL NAILING PATTERN SHALL BE 10d CC NAILS @ 12" OC IN PANEL FIELD AND 6" OC AT ALL EDGES. AT ALL PERIMETER EDGES THE FIRST 4'-0" SHALL BE FASTENED WITH 10d CC NAILS @ 4" OC.

C. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, SLOPES, AND DEPRESSIONS.

D. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR BLOCK-OUTS, DRAIN LINES, SLEEVES, OUTLET BOXES, CONDUIT, AND OTHER COORDINATION ITEMS. PROVIDE VERTICAL SLIP CONNECTIONS AT EVERY FLOOR TO ACCOMMODATE 1/4" SHRINKAGE (CUMULATIVE).

E. REFER TO STRUCTURAL GENERAL NOTES ON S100 AND PROJECT SPECIFICATIONS FOR CONSTRUCTION AND MATERIAL REQUIREMENTS.

F. MECHANICAL EQUIPMENT SHOWN ON PLAN ARE IN APPROXIMATE LOCATIONS AND SHALL BE VERIFIED WITH THE MECHANICAL ENGINEER PRIOR TO INSTALLATION. UNIT WEIGHTS SHOWN ON PLAN ARE THOSE USED FOR DESIGN. NO UNITS SHALL BE INSTALLED WITH WEIGHTS GREATER THAN THOSE SHOWN WITHOUT PRIOR WRITTEN CONSENT FROM THE STRUCTURAL ENGINEER OF RECORD.

G. TYPICAL ROOF TRUSSES SHALL BE DESIGNED FOR 20 PSF DL PLUS 20 PSF LL OVER A 2'-0" TRIB WIDTH PLUS ALL ADDITIONAL APPLICABLE LOADS FROM TRANSFERS, WALLS, OVERFRAMING, ETC. PROVIDE SIMPSON H2.5A AT EACH JOIST (OR APPROVED EQUAL WITH MINIMUM CAPACITY 5 PSF NET UPLIFT).

H. ALL ROOF TRUSS GIRDER ENDS SHALL BE FRAMED WITH BUILT-UP COLUMNS CONTINUOUSLY FROM UNDERSIDE OF BEARING TO THE FOUNDATION.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

WESCOTT STRUCTURES, PA
FOUNDED ON INTEGRITY
9400 PHELPS RD, SUITE 200
MOUNT PLEASANT, NC 28124

WESCOTT STRUCTURES, PA
CORPORATE
SEAL
C-3040
MECKLENBURG COUNTY
NORTH CAROLINA

NORTH CAROLINA
PROFESSIONAL
SEAL
REBECCA R. WESCOTT
9-16-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

LELAND, NORTH CAROLINA

issue date:

ISSUE	NAME	DATE
1ST	xxxx	xx/xx/20xx

revisions:

Revision	Date	Description
3	9-16-26	Clarifications

drawn by: CADD

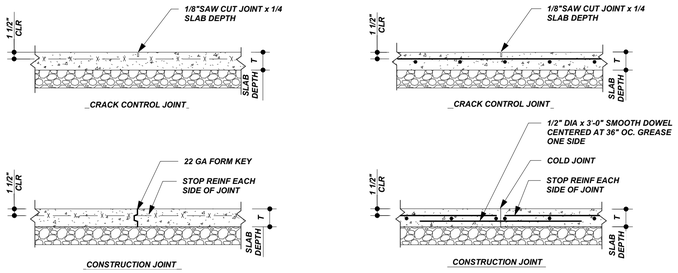
checked by: RSW

project no: WesS #25.006

ROOF FRAMING PLAN - AREA B

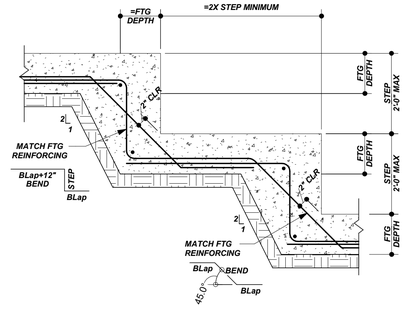
S-208

9/17/2026 12:08:20 PM

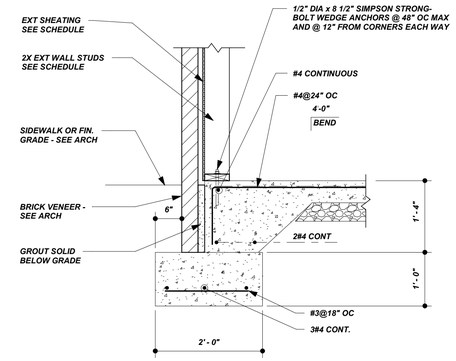


1) SEE ARCHITECTURAL DOCUMENTS FOR VAPOR BARRIER REQUIREMENTS.
2) SEE GEOTECHNICAL REPORT FOR COMPACTION AND BASE COURSE REQUIREMENTS.
3) SEE FOUNDATION PLAN NOTES FOR SLAB ON GRADE REINFORCING REQUIREMENTS.
4) PROVIDE CRACK CONTROLOR CONSTR JOINTS AT 16'-0" MAXIMUM XIMUM EACH WAY FOR 4" SLABS, AT 20'0" MAXIMUM EACH WAY FOR 5" SLABS, AT 24" MAXIMUM EACH WAY FOR 6" SLABS.

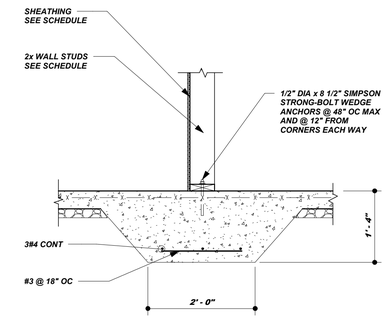
1 S-300 TYPICAL SLAB DETAILS
3/4" = 1'-0"



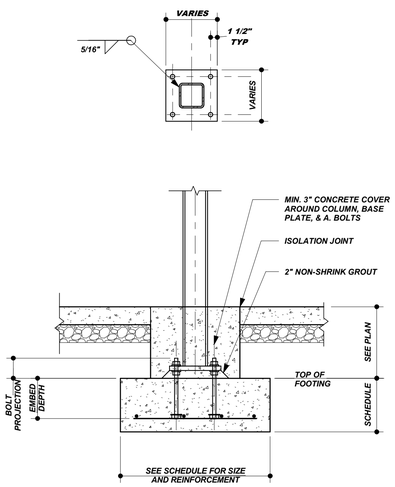
2 S-300 TYPICAL WALL FOOTING STEP
3/4" = 1'-0"



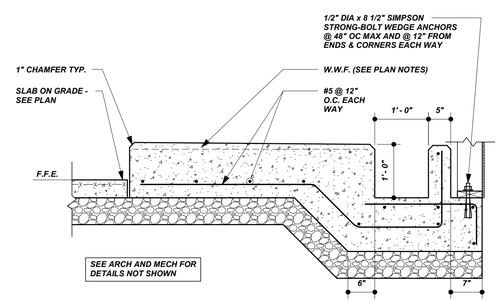
3 S-300 TYPICAL TURNOWN SLAB
3/4" = 1'-0"



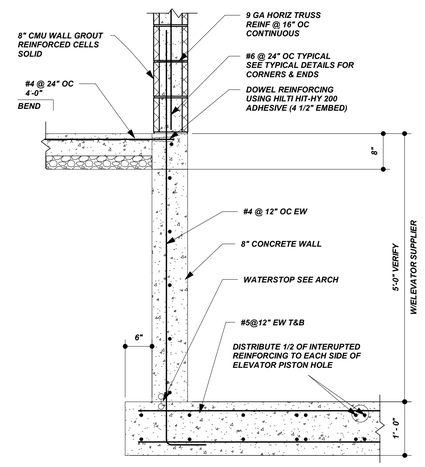
4 S-300 TYP SECTION AT THICKENED SLAB
3/4" = 1'-0"



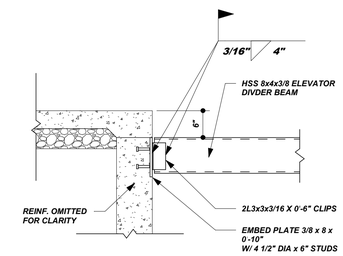
5 S-300 TYPICAL INTERIOR COLUMN SECTION
3/4" = 1'-0"



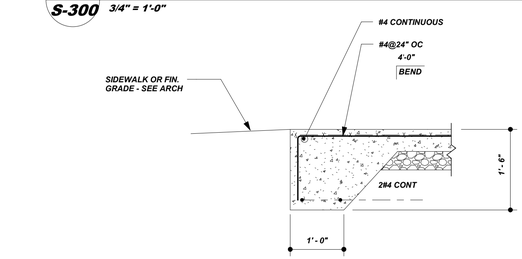
6 S-300 THICKENED SLAB AT WASHERS
3/4" = 1'-0"



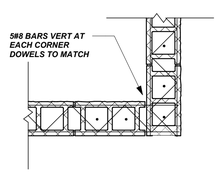
7 S-300 TYPICAL CONCRETE ELEVATOR PIT
3/4" = 1'-0"



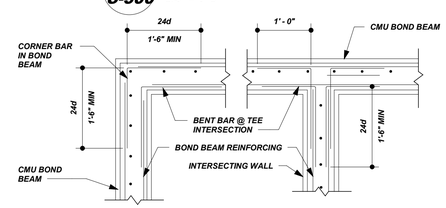
8 S-300 TYP ELEVATOR DIVIDER BEAM
3/4" = 1'-0"



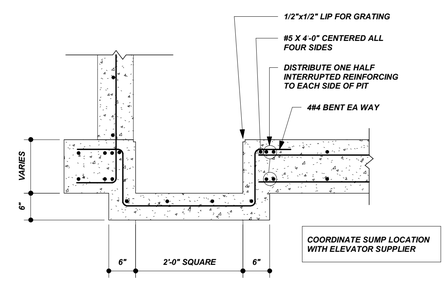
9 S-300 TYPICAL PATIO TURNOWN SLAB
3/4" = 1'-0"



10 S-300 TYPICAL SECTION AT CMU CORNERS
3/4" = 1'-0"



11 S-300 TYP BOND BEAM CORNER REINFORCEMENT
3/4" = 1'-0"



12 S-300 TYPICAL DETAIL AT ELEVATOR SUMP PIT
3/4" = 1'-0"

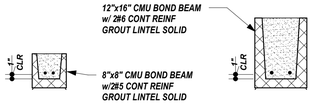
CMU LAP SPLICE SCHEDULE (f'm=1500PSI/f'y=60 KSI)

	LAP			CLEAR COVER		
BAR SIZE	6" CMU	8" CMU	12" CMU	6" CMU	8" CMU	12" CMU
#3	15"	15"	15"	2.625"	3.625"	5.625"
#4	20"	20"	20"	2.5625"	3.563"	5.625"
#5	31"	25"	25"	2.500"	3.500"	5.500"
#6	60"	43"	39"	2.4375"	3.438"	5.438"
#7	84"	59"	46"	2.375"	3.375"	5.375"
#8	131"	91	60"	2.3125"	3.313"	5.313"

X S-300 MINIMUM CMU LAP SPLICES
3/4" = 1'-0"

CMU MASONRY LINTEL SCHEDULE (FOR LIGHT WEIGHT = 105 PCF)

ROUGH OPENING	DEPTH	REINFORCING			MIN. BRG.
		6" CMU	8" CMU	12" CMU	
0'-8" TO 3'-4"	8"	1-#4	1-#4	2-#5	8"
3'-4" TO 4'-8"	8"	1-#4	1-#4	2-#5	8"
4'-8" TO 6'-0"	8"	1-#4	1-#5	2-#5	8"
6'-0" TO 8'-0"	16"	1-#4	2-#5	2-#5	8"
8'-0" TO 10'-0"	16"	1-#4	2-#5	2-#5	12"
10'-0" TO 12'-0"	16"	-	-	2-#5	12"
	24"	-	2-#6	2-#6	16"

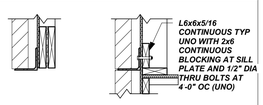


TYPICAL DETAILS
3/4" = 1'-0"

Y S-300 CMU BOND BEAM LINTEL SCHEDULE
3/4" = 1'-0"

BRICK LINTEL SCHEDULE

OPENING	SINGLE WYTHE WALLS (LOOSE)
0'-8" TO 3'-4"	L6x3 1/2x1/4" LLH
3'-4" TO 5'-4"	L6x3 1/2x1/4" LLH
5'-4" TO 7'-4"	L6x6x5/16"
7'-4" TO 10'-0"	L6x6x5/16"
BOLTED LINTELS	L6x6x5/16" CONTINUOUS TYP UNO



SINGLE BRICK WYTHE LOOSE LINTELS

BOLTED BRICK LEDGE ATTACHED LINTELS

Z S-300 BRICK LINTEL SCHEDULE
3/4" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9935

WESCOTT STRUCTURES, PA
FOUNDED ON INTEGRITY
9400 PHELPS RD., SUITE 200 MOUNT PLEASANT, NC 28124
WESCOTT STRUCTURES, PA CORPORATE SEAL C-3040 MECKLENBURG COUNTY NORTH CAROLINA
NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 036660 REBECCA S. WESCOTT
12-8-25

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

LELAND, NORTH CAROLINA

issue date:

ISSUE	NAME	DATE
1ST	PERMIT SET	12/8/2025

revisions:

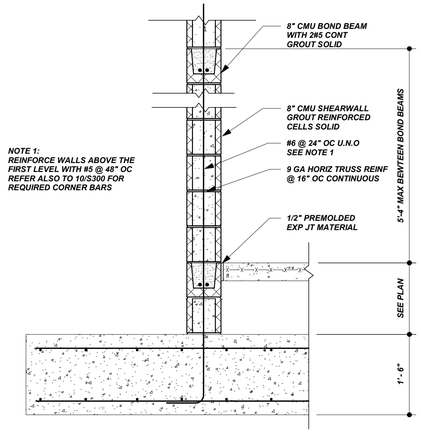
Revision	Date	Description

drawn by: CADD
checked by: RSW
project no: WesS #25.006

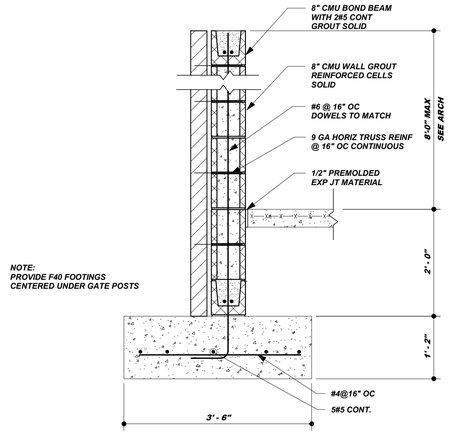
TYPICAL FOUNDATION SECTIONS

S-300

9/17/2026 12:08:21 PM



1 S-301 **TYPICAL CMU WALL TO FOUNDATION**
3/4" = 1'-0"



2 S-301 **TYPICAL SECTION AT DUMPSTER ENCLOSURE**
3/4" = 1'-0"

2

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9955

WESCOTT STRUCTURES, PA
FOUNDED ON INTEGRITY
9400 PHELPS RD, SUITE 200
MOUNT PLEASANT, NC 28124
WESCOTT STRUCTURES, PA
CORPORATE
SEAL
C-3040
MECKLENBURG COUNTY
NORTH CAROLINA
NORTH CAROLINA
REGISTERED
SEAL
C-3040
REBECCA S. WESCOTT
7-1-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

LELAND, NORTH CAROLINA

issue date:

ISSUE	NAME	DATE
1ST	PERMIT SET	12/8/2025

revisions:

Revision	Date	Description
2	7-1-26	DUMPSTER ENCLOSURE

drawn by:
Author

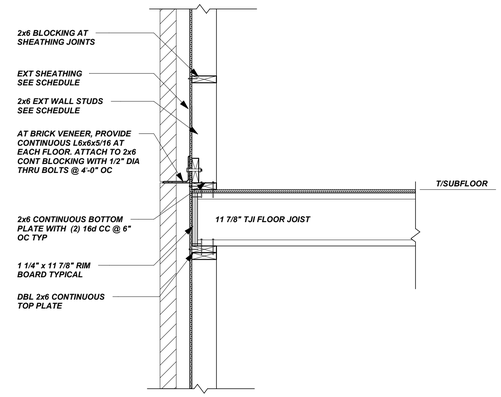
checked by:
Checker

project no:
WesS #25.006

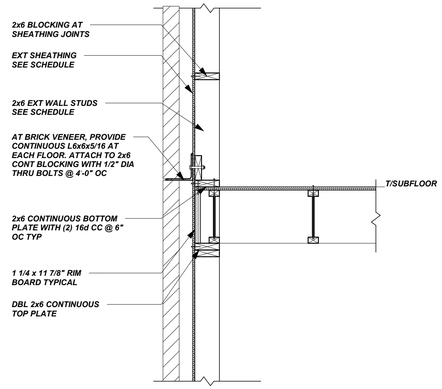
FOUNDATION SECTIONS

S-301

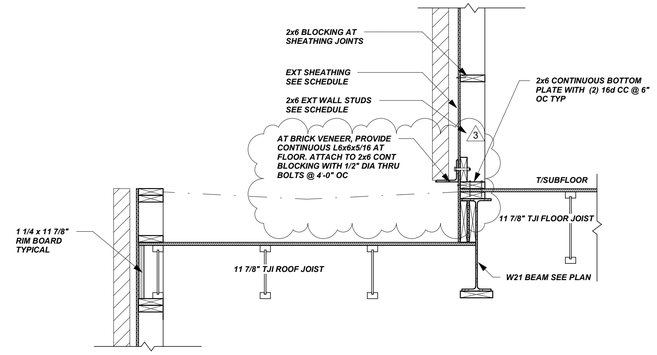
9/17/2026 12:08:21 PM



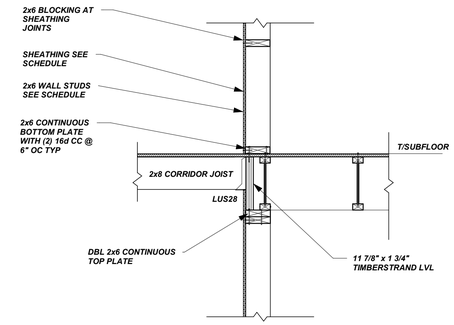
1 S-400 TYP SECTION AT JOIST BEARING WALL
3/4" = 1'-0"



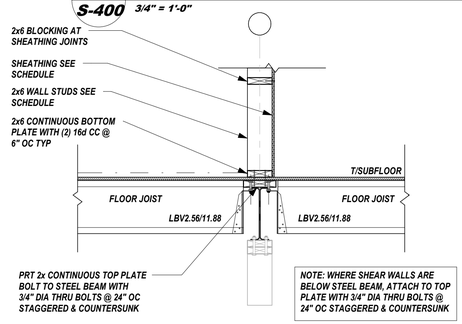
2 S-400 TYP SECTION AT END WALLS
3/4" = 1'-0"



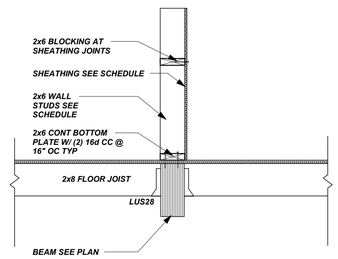
3 S-400 TYP SECTION AT LOW ROOF
3/4" = 1'-0"



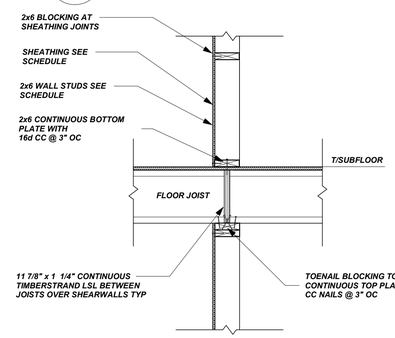
4 S-400 TYPICAL SECTION AT CORRIDOR WALLS
3/4" = 1'-0"



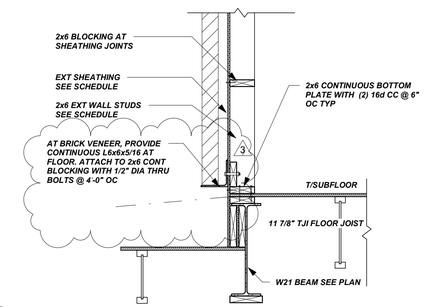
5 S-400 TYPICAL SECTION AT STEEL BEAM
3/4" = 1'-0"



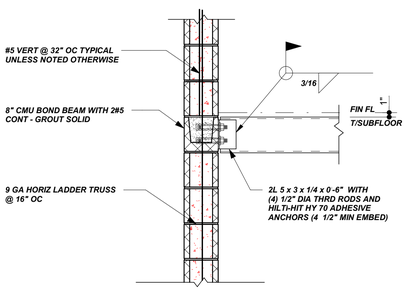
6 S-400 TYPICAL SECTION AT LVL GIRDER
3/4" = 1'-0"



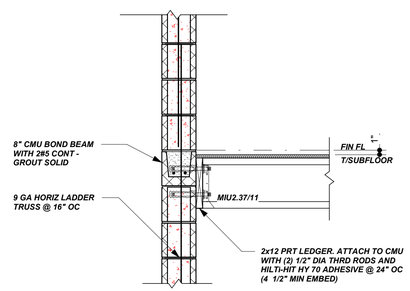
7 S-400 TYP SECTION AT SHEARWALL-TJI BEARING
3/4" = 1'-0"



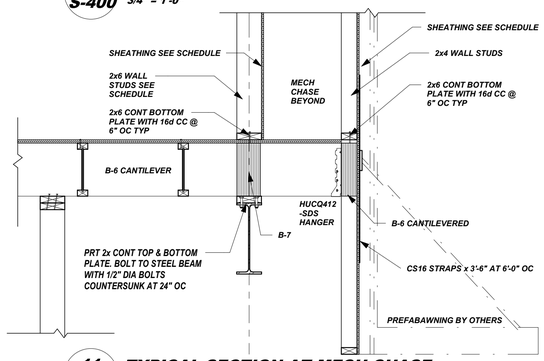
8 S-400 TYP SECTION AT BRICK LEDGE
3/4" = 1'-0"



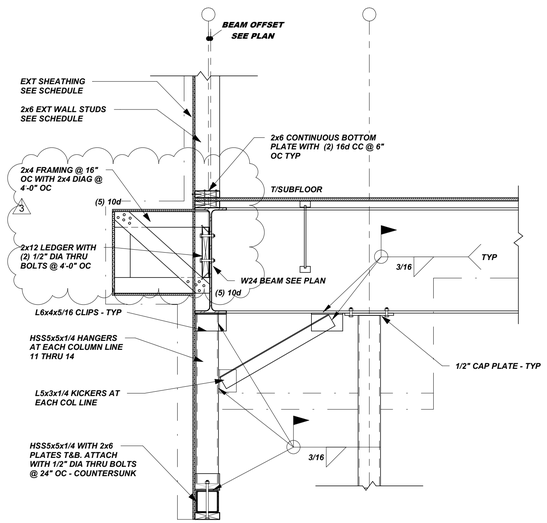
9 S-400 TYPICAL SECTION AT DIVIDER BEAM TO CMU
3/4" = 1'-0"



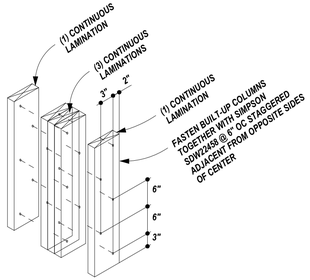
10 S-400 TYP CMU WALL W/ WOOD JOIST BEARING
3/4" = 1'-0"



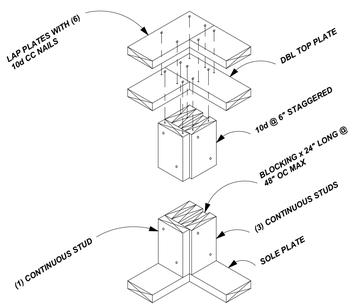
11 S-400 TYPICAL SECTION AT MECH CHASE
3/4" = 1'-0"



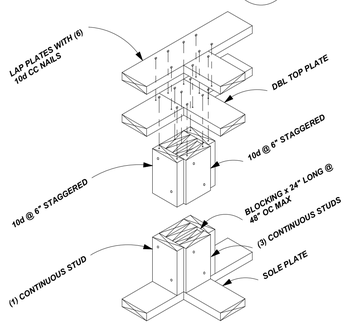
12 S-400 TYP SECTION AT DINING LOUNGE WINDOWS
3/4" = 1'-0"



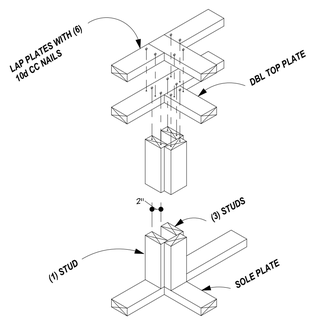
W S-400 TYPICAL 5 STUD BUILT-UP COLUMN
3/4" = 1'-0"



X S-400 TYPICAL 2x6 CORNER
3/4" = 1'-0"



Y S-400 TYPICAL 2x6 INTERSECTION
3/4" = 1'-0"



Z S-400 NON-LOAD BEARING INTERSECTION
3/4" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

WESCOTT STRUCTURES, PA
FOUNDED ON INTEGRITY
9400 PHELPS RD., SUITE 200
MOUNT PLEASANT, NC 28124
WESCOTT STRUCTURES, PA
CORPORATE SEAL C-3040
MECKLENBURG COUNTY
NORTH CAROLINA
NORTH CAROLINA PROFESSIONAL SEAL 036586 ENGINEER REBECCA L. WESCOTT
9-16-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

LELAND, NORTH CAROLINA

issue date:

ISSUE	NAME	DATE
1ST	PERMIT SET	12/8/2025

revisions:

Revision	Date	Description
1	0	
3	9-16-26	Clarifications

drawn by: CADD

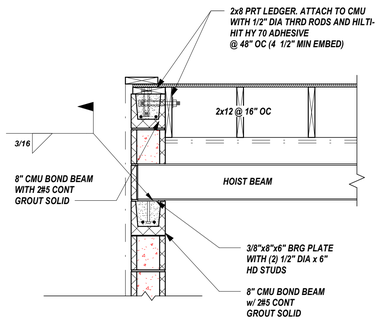
checked by: RSW

project no: WesS #25.006

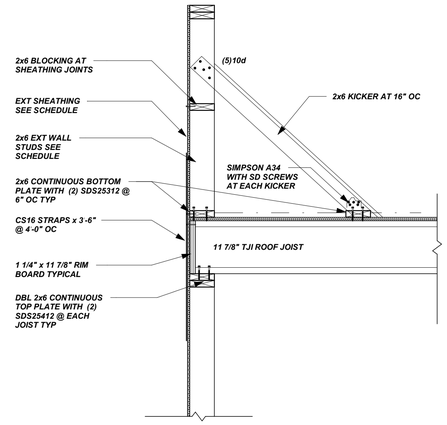
TYPICAL FRAMING SECTIONS

S-400

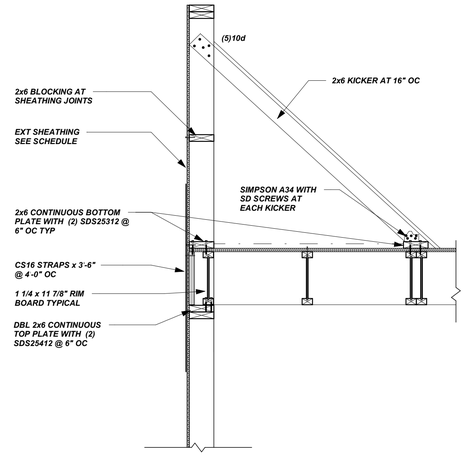
9/17/2026 12:08:21 PM



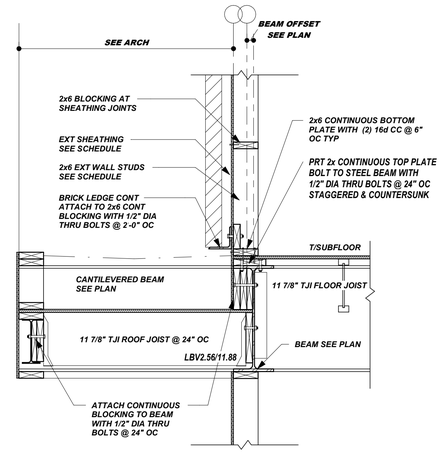
1 S-401 TYPICAL SECTION AT ELEVATOR HOIST BEAM
3/4" = 1'-0"



2 S-401 TYP SECTION AT ROOF PARAPET
3/4" = 1'-0"

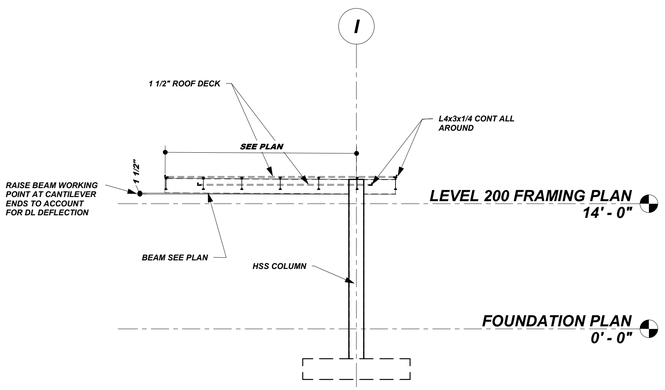


3 S-401 TYP SECTION AT ROOF SIDE PARAPET
3/4" = 1'-0"

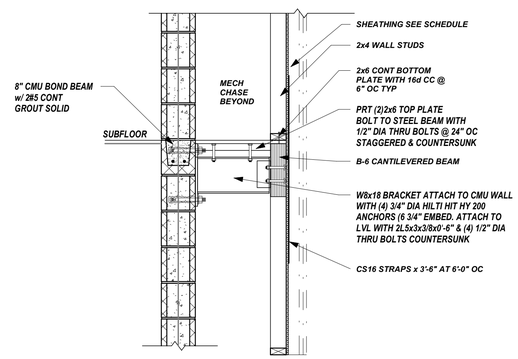


3

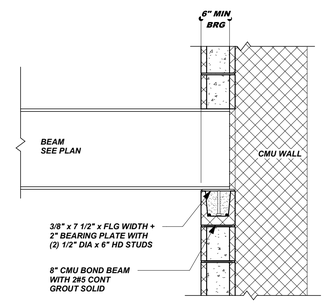
4 S-401 SECTION AT FRONT OVERHANG
3/4" = 1'-0"



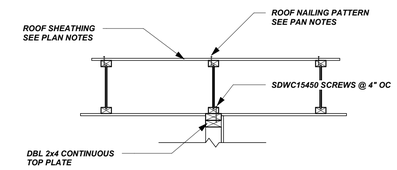
5 S-401 SECTION THRU PORTE COCHERE
1/8" = 1'-0"



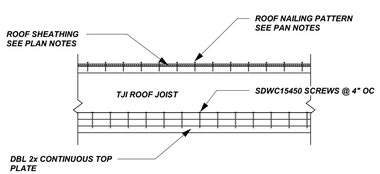
6 S-401 TYPICAL BRACKET AT MECH CHASE
3/4" = 1'-0"



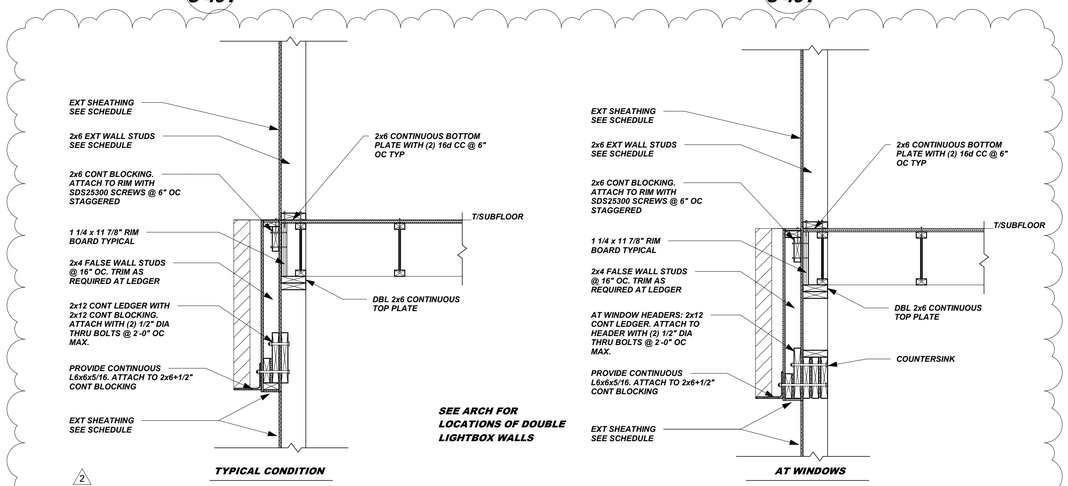
7 S-401 TYPICAL SECTION AT BEAM BEARING ON CMU
3/4" = 1'-0"



8 S-401 TYP TJI TO SHEARWALLS AT ROOF
3/4" = 1'-0"



9 S-401 TYP PARALLEL TJI TO SHEAR WALLS AT ROOF
3/4" = 1'-0"



10 S-401 TYP SECTION AT LIGHTBOX WALLS
3/4" = 1'-0"

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

WESCOTT STRUCTURES, PA
FOUNDED ON INTEGRITY
9400 PHELPS RD., SUITE 200
MOUNT PLEASANT, NC 28124
WESCOTT STRUCTURES, PA
CORPORATE SEAL C-3040
MECKLENBURG COUNTY
NORTH CAROLINA
NORTH CAROLINA PROFESSIONAL SEAL 036B
REBECCA S. WESCOTT
9-16-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

LELAND, NORTH CAROLINA

issue date:

ISSUE	NAME	DATE
1ST	PERMIT SET	12/8/2025

revisions:

Revision	Date	Description
2	7-1-26	DUMPSTER ENCLOSURE
3	9-16-26	Clarifications

drawn by: CADD
checked by: RSW
project no: WesS #25.006

FRAMING SECTIONS

S-401

9/17/2026 12:08:22 PM

PLUMBING LEGEND

	COLD WATER PIPING (CW)
	HOT WATER PIPING (HW)
	HOT WATER RETURN PIPING (HWR)
140°	HOT WATER PIPING (HW), 140° F.
140°	HOT WATER RETURN PIPING (HWR), 140° F.
	SANITARY PIPING (SAN)
	VENT PIPING (V)
GW	GREASE WASTE PIPING (GW)
G	NATURAL GAS PIPING (G)
ST	PRIMARY STORM PIPING (ST)
EST	SECONDARY (EMERGENCY) STORM PIPING (EST)
OR	BALL VALVE
OR	PIPE DOWN
OR	PIPE UP
	FREEZELESS WALL HYDRANT (FWH)
	HOSE BIBB (HB)
	CHECK VALVE
	CAP
	BACKFLOW PREVENTER (BFP)
	PRESSURE GAUGE
	PRESSURE REDUCING VALVE (PRV)
	STRAINER
	T&P RELIEF VALVE
	THERMOMETER
	UNION
	WATER HAMMER ARRESTER (WHA)
	AUTOMATIC BALANCING VALVE
	FLOW DIRECTION
OR	FLOOR CLEANOUT (FCO)
	WALL CLEANOUT (WCO)
	GRADE CLEANOUT (GCO)
	FLOOR DRAIN (FD)
	FLOOR SINK (FS)
	ROOF DRAIN (RD)
	GAS COCK
W ?	WATER SUPPLY RISER DIAGRAM
S ?	SANITARY WASTE RISER DIAGRAM

AAV	AIR ADMITTANCE VALVE
ABV	ABOVE
A/C	ABOVE CEILING
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AHAP	AS HIGH AS POSSIBLE
BFF	BELOW FINISHED FLOOR
BLDG	BUILDING
BLW	BELOW
B/S	BELOW SLAB
CLG	CEILING
CO	CLEANOUT
CONN	CONNECT OR CONNECTION
CONT	CONTINUATION
DEMO	DEMOLITION
DN	DOWN
DS	DOWNSPOUT
DSB	DOWNSPOUT BOOT
DSN	DOWNSPOUT NOZZLE
E.C.	ELECTRICAL CONTRACTOR
ETR	EXISTING TO REMAIN
EX, EXIST, (E)	EXISTING
FFE	FINISHED FLOOR ELEVATION
FLR	FLOOR
G.C.	GENERAL CONTRACTOR
HD	HUB DRAIN
IE, I.E., INV ELEV	INVERT ELEVATION
M.C.	MECHANICAL CONTRACTOR
MTD	MOUNTED
OH	OVERHEAD
ORD	OVERFLOW ROOF DRAIN
P.C.	PLUMBING CONTRACTOR
PRV	PRESSURE REDUCING VALVE
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
RWC	RAINWATER CONDUCTOR
SF, SQ FT	SQUARE FOOT
T&P	TEMPERATURE AND PRESSURE
TP	TRAP PRIMER
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VTR	VENT THROUGH ROOF
W	WASTE
W	WASTE STACK VENT

PLUMBING GENERAL NOTES

GENERAL REQUIREMENTS:

1. SCOPE: PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK.

2. CODE COMPLIANCE: ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION, BUILDING DEPARTMENTS, AND DEPARTMENT OF HEALTH. APPLICABLE NATIONAL, STATE, AND LOCAL CODES, LAWS, AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK SHALL BE INCORPORATED INTO AND MADE A PART OF THESE CONTRACT DOCUMENTS AND SPECIFICATIONS. THE CONTRACTOR IS TO NOTIFY THE ARCHITECT/ENGINEER OF ANY WORK OR MATERIALS WHICH VIOLATE ANY OF THE ABOVE CODES, LAWS, OR REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH A VIOLATION SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE AND AT NO EXPENSE TO THE OWNER.

3. PERMITS: APPLY FOR AND PAY FOR ALL NECESSARY PERMITS, FEES, AND INSPECTIONS REQUIRED BY ANY PUBLIC AUTHORITY HAVING JURISDICTION.

4. WARRANTY: PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT UNDER THIS SECTION OF THE SPECIFICATIONS WITH A ONE YEAR WARRANTY FROM THE DATE OF ACCEPTANCE OF WORK BY THE OWNER.

5. RECORD DRAWINGS: CONTRACTOR SHALL MAINTAIN AN ACCURATE RECORD OF ALL AS-BUILT CONDITIONS DURING CONSTRUCTION AND TURN OVER ONE COPY EACH TO THE OWNER AND THE ARCHITECT AFTER COMPLETION.

6. OPERATING MANUALS: CONTRACTOR SHALL FURNISH TO THE OWNER PDF FILES OF OPERATION AND MAINTENANCE MANUALS FOR ALL FIXTURES AND EQUIPMENT.

7. COORDINATION: VERIFY ALL ROUGH-IN LOCATIONS AND COORDINATE PIPING AND EQUIPMENT LOCATIONS WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID CONFLICTS. CONTRACTOR MUST COORDINATE WITH OTHER TRADES FOR ALL STRUCTURES, PIPING, CONDUIT, DUCTWORK, LIGHTING, ETC TO PROPERLY BE INSTALLED. ANY CONFLICTS SHALL BE RESOLVED AT NO EXPENSE TO THE OWNER. COORDINATE INSTALLATION OF ALL PLUMBING PIPING AT CMU WALLS SO THAT THE PIPING IS PLACED IN WALL DURING CMU WALL CONSTRUCTION. CUTTING AND PATCHING OF CMU WALLS IN PLACE WILL NOT BE PERMITTED.

8. SCALE: DO NOT SCALE PLANS. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF DOORS, WINDOWS, FIXTURES, WALLS, WALL DIMENSIONS, ETC.

9. FIELD VERIFICATION: FIELD VERIFY EXISTING CONDITIONS BEFORE BIDDING PROJECT AND BEFORE STARTING CONSTRUCTION AND NOTIFY THE ARCHITECT/ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND EXISTING CONDITIONS, AND/OR ANY POTENTIAL PROBLEMS OBSERVED, BEFORE CONTINUING WORK IN THE AFFECTED AREAS.

10. PROVIDE CONCRETE HOUSE KEEPING PADS FOR ALL PLUMBING EQUIPMENT SET ON FLOORS, UNLESS OTHERWISE NOTED. PADS SHALL BE A MINIMUM OF 4" HIGH AND A MINIMUM OF 6" LARGER THAN EQUIPMENT BASES ON ALL SIDES. CHAMFER ALL EDGES.

11. LABEL ALL PLUMBING PIPING WITH ADHESIVE PIPE LABELS INDICATING SERVICE AND DIRECTION OF FLOW. PIPE LABELS SHALL BE LOCATED NEAR ALL BRANCH CONNECTIONS, NEAR ALL FLOOR AND WALL PENETRATIONS, AND AT MAXIMUM INTERVALS OF 25' ALONG EACH RUN.

12. PLUMBING SYSTEMS INCLUDE, BUT ARE NOT LIMITED TO:
-PLUMBING FIXTURES AND EQUIPMENT
-DOMESTIC WATER SYSTEM
-SANITARY WASTE AND VENT SYSTEM
-FUEL GAS SYSTEM
-STORM DRAIN SYSTEM
-INSULATION
-HEAT TRACE
-FIRE STOPPING

FIXTURES:

1. PROVIDE COMPLETE FIXTURES AND INCLUDE SUPPLIES, STOPS, VALVES, FAUCETS, DRAINS, TRAPS, TAILPIECES, ESCUTCHEONS, ETC. EXPOSED COPPER OR BRASS MATERIALS SHALL BE CHROME PLATED.

2. SEAL ALL EDGES OF PLUMBING FIXTURES IN CONTACT WITH FLOORS, WALLS, OR COUNTERTOPS USING SANITARY-TYPE, ONE-PART, MILDEW RESISTANT SILICONE SEALANT. MATCH SEALANT COLOR TO FIXTURE COLOR.

3. PROVIDE PERMANENTLY ATTACHED VACUUM BREAKERS FOR ALL FIXTURES/FAUCETS TO WHICH HOSES MAY BE CONNECTED.

4. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF PLUMBING FIXTURES.

5. OFFSET CLOSET FLANGES FOR CONNECTING WATER CLOSETS ARE NOT APPROVED WITHOUT WRITTEN CONSENT FROM ENGINEER.

DOMESTIC WATER PIPING:

1. FURNISH AND INSTALL A COMPLETE SYSTEM OF DOMESTIC HOT AND COLD WATER FROM WATER SERVICE PIPE TO ALL FIXTURES AND/OR EQUIPMENT REQUIRING DOMESTIC WATER SUPPLIES. VERIFY LOCATION OF BEGINNING POINTS.

2. DOMESTIC WATER PIPING BELOW GROUND:
2.1. AWWA C151 CEMENT-LINED DUCTILE IRON PIPE AND FITTINGS FOR PIPING 4" AND LARGER; ASTM B 88 TYPE 'K' SOFT COPPER TUBE WITH WROT COPPER FITTINGS, AND BRAZED OR PRESSURE-SEALED JOINTS FOR PIPING 3" AND SMALLER.
2.2. IF PERMITTED BY LOCAL CODES, CPVC PIPE AND FITTINGS CONFORMING TO ASTM D 2846 MAY BE USED.
2.2. IF PERMITTED BY LOCAL CODES, PEX PLASTIC PIPE, TUBING AND FITTINGS CONFORMING TO ASTM F876 OR ASTM F877 MAY BE USED.

3. DOMESTIC WATER PIPING ABOVE GROUND:
3.1. ASTM B 88 TYPE 'L' HARD COPPER TUBE WITH WROUGHT COPPER FITTINGS, AND SOLDERED OR PRESSURE-SEALED JOINTS.
2.2. IF PERMITTED BY LOCAL CODES, CPVC PIPE AND FITTINGS CONFORMING TO ASTM D 2846 MAY BE USED.
2.3. IF PERMITTED BY LOCAL CODES, ASTM F876 CROSSLINKED POLYETHYLENE PEX-A TUBING, AND ASTM F1960 PEX-A COLD EXPANSION FITTINGS MAY BE USED. DO NOT INSTALL PEX TUBING IN RETURN AIR PLENUMS, EXCEPT UPONOR PEX-A MAY BE INSTALLED IN RETURN AIR PLENUMS IF THE REQUIREMENTS OF TABLE 3-3 OF THE UPONOR PLUMBING DESIGN ASSISTANCE MANUAL ARE MET.

3. STERILIZE DOMESTIC WATER PIPING IN ACCORDANCE WITH THE AMERICAN WATER WORKS ASSOCIATION'S SPECIFICATIONS AND LOCAL HEALTH DEPARTMENT REGULATIONS.

4. SHUT-OFF VALVES SHALL BE NIBCO TWO-PIECE, BRONZE, FULL PORT, BALL TYPE. PROVIDE SHUT-OFF VALVES ON ALL BRANCH PIPING SERVING TWO OR MORE FIXTURES, AND WHERE INDICATED ON THE DRAWINGS. INSTALL VALVES IN A LOCATION THAT PERMITS ACCESS FOR SERVICE AND OPERATION WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS. PROVIDE ACCESS DOORS IF REQUIRED.

5. PROVIDE AN ASSE 1070 TEMPERATURE LIMITING DEVICE SET AT 110 DEGREES FAHRENHEIT FOR ALL PUBLIC HAND WASHING LAVATORIES, PUBLIC GROUP WASH FIXTURES, AND HAND SINKS.

6. PROVIDE DRAIN VALVES IN THE DOMESTIC HOT AND COLD WATER PIPING AT ALL LOW POINTS TO ALLOW FOR COMPLETE DRAINAGE OF THE SYSTEMS.

7. PROVIDE A PRESSURE REDUCING VALVE WITH STRAINER AT THE SERVICE ENTRANCE TO THE BUILDING IF THE INCOMING WATER PRESSURE EXCEEDS 80 PSI.

8. PROVIDE EXPANSION COMPENSATION AS REQUIRED TO ABSORB THERMAL EXPANSION IN PIPE RUNS 100' AND LONGER.

9. PROVIDE CHECK VALVES IN THE HOT AND COLD WATER SUPPLY PIPING TO ALL FAUCETS TO WHICH HOSES MAY BE CONNECTED (MOP BASINS, CAN WASHES, SERVICE SINKS, ETC.), AND TO ALL SPRAY FAUCETS (PRE-RINSE, BED PAN CLEANERS, ETC.), UNLESS FAUCET HAS INTEGRAL CHECK VALVES.

10. PROTECT COPPER PIPING AGAINST CONTACT WITH DISSIMILAR METALS. ALL HANGERS, SUPPORTS, ANCHORS, AND CLIPS SHALL BE COPPER OR COPPER-PLATED. WHERE COPPER PIPING IS CARRIED ON IRON TRAPEZE HANGERS WITH OTHER PIPING, PROVIDE A PERMANENT ELECTROLYTIC ISOLATION MATERIAL TO PREVENT CONTACT WITH OTHER METALS.

11. PROTECT COPPER PIPING AGAINST CONTACT WITH ALL MASONRY. WHERE COPPER PIPING IS SLEEVED THROUGH MASONRY, PROVIDE COPPER OR RED BRASS SLEEVES. WHERE COPPER PIPING IS CONCEALED IN OR AGAINST MASONRY PARTITIONS, PROVIDE A HEAVY COATING OF ASPHALTIC ENAMEL ON THE COPPER PIPING AND 15# ASPHALT-SATURATED FELT BETWEEN THE PIPING AND THE MASONRY PARTITION.

12. INSTALL DOMESTIC WATER PIPING IN EXTERIOR WALLS ON THE CONDITIONED SIDE OF THE WALL INSULATION.

13. NON POTABLE WATER PIPING AND VALVES SHALL BE LABELED "NON POTABLE WATER/NOT FOR DOMESTIC USE".

SANITARY WASTE AND VENT PIPING:

1. FURNISH AND INSTALL COMPLETE SYSTEMS OF SANITARY WASTE AND VENT PIPING FROM ALL PLUMBING FIXTURES AND/OR EQUIPMENT REQUIRING WASTE AND VENT CONNECTIONS. ALL WASTE AND VENT PIPING SHALL BE CONCEALED IN THE BUILDING CONSTRUCTION WHERE POSSIBLE.

2. SANITARY WASTE AND VENT PIPING BELOW GROUND:
2.1. ASTM A 74, SERVICE WEIGHT, HUB AND SPIGOT, CAST IRON SOIL PIPE AND FITTINGS; AND GASKETED JOINTS. ALL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE, AND LISTED BY NSF INTERNATIONAL.
2.2. IF PERMITTED BY LOCAL CODES, ASTM D 2665 SCHEDULE 40 SOLID WALL PVC PIPE WITH ASTM D 2665 SCHEDULE 40 SOCKET-TYPE FITTINGS MAY BE USED. FOAM/CELLULAR CORE PVC PIPE IS NOT APPROVED.

3. SANITARY WASTE AND VENT PIPING ABOVE GROUND:
3.1. ASTM A 888 AND CISPI 301, HUBLESS, CAST IRON SOIL PIPE AND FITTINGS; AND HEAVY DUTY SHIELDED, STAINLESS STEEL COUPLINGS. ALL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE, AND LISTED BY NSF INTERNATIONAL.
3.2. IF PERMITTED BY LOCAL CODES, ASTM D 2665 SCHEDULE 40 SOLID WALL PVC PIPE WITH ASTM D 2665 SCHEDULE 40 SOCKET-TYPE FITTINGS MAY BE USED. FOAM/CELLULAR CORE PVC PIPE IS NOT APPROVED.

4. PUMPED DISCHARGE PIPING:
4.1. SCHEDULE 40 GALVANIZED STEEL PIPE CONFORMING TO ASTM A-53 WITH GALVANIZED CAST IRON THREADED DRAINAGE FITTINGS.
4.2. IF PERMITTED BY LOCAL CODES, CPVC PIPE AND FITTINGS CONFORMING TO ASTM D 2846 MAY BE USED.
4.3. IF PERMITTED BY LOCAL CODES, ASTM D 1785 SCHEDULE 40 SOLID WALL PVC PIPE WITH ASTM D 2464 SCHEDULE 40 SOCKET-TYPE FITTINGS MAY BE USED.

5. INVERT ELEVATIONS SHALL BE ESTABLISHED AND VERIFIED BEFORE SANITARY PIPING IS INSTALLED IN ORDER THAT PROPER SLOPES WILL BE MAINTAINED. SLOPE SANITARY PIPING 2-1/2" AND SMALLER AT 1/4" PER FOOT MINIMUM, AND SLOPE SANITARY PIPING 3" AND LARGER AT 1/8" PER FOOT MINIMUM.

6. THE MINIMUM SIZE FOR SANITARY AND VENT PIPING BELOW GROUND SHALL BE 2".

7. WHERE SANITARY PIPING IS EXPOSED IN TOILET ROOMS, PROVIDE CHROME-PLATED BRASS PIPING WITH MATCHING ESCUTCHEONS. PROVIDE REMOVABLE TRAPS WITH INTEGRAL CLEANOUT PLUG FOR ALL LAVATORIES AND SINKS.

8. INSTALL CLEANOUTS IN A LOCATION THAT PERMITS ACCESS FOR SERVICE WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS. CLEANOUT PLUGS SHALL BE INSTALLED IN ACCORDANCE WITH PLUMBING CODE REQUIREMENTS. PROVIDE CLEANOUTS IN HORIZONTAL PIPING NOT MORE THAN 100 FEET APART, AND FOR EVERY FOUR 45° CHANGES LOCATED IN SERIES (A LONG SWEEP IS EQUIVALENT TO TWO 45° BENDS).

9. DO NOT CONNECT HORIZONTAL BRANCHES WITHIN 10 PIPE DIAMETERS DOWNSTREAM OF THE BASE OF ANY SANITARY STACK.

10. ALL INDIRECT WASTE PIPING SHALL DISCHARGE THROUGH AN AIR GAP INTO AN APPROVED WASTE RECEPTOR. THE AIR GAP BETWEEN THE INDIRECT WASTE PIPE AND THE FLOOD LEVEL RIM OF THE WASTE RECEPTOR SHALL BE A MINIMUM OF TWICE THE EFFECTIVE OPENING OF THE INDIRECT WASTE PIPE.

11. PROVIDE AUTOMATIC TRAP PRIMER ON ALL TRAPS WITH TRAP SEAL SUBJECT TO LOSS BY EVAPORATION. IF ALLOWED BY LOCAL AUTHORITY HAVING JURISDICTION, A TRAP SEAL MAINTENANCE DEVICE MAY BE USED IN LIEU OF A TRAP PRIMER WHERE TRAP SEAL IS SUBJECT TO LOSS BY EVAPORATION.

12. ON SLOPED ROOFS, PAINT SANITARY VENT PIPING ABOVE ROOF TO MATCH ROOF COLOR.

13. MODIFY PIPING AS REQUIRED SO THAT SANITARY VENT TERMINALS ARE A MINIMUM OF 10' FROM ANY BUILDING FRESH AIR INLET OR AS OTHERWISE REQUIRED BY LOCAL AUTHORITIES.

STORM DRAIN PIPING:

1. WORK INCLUDES ROOF DRAINS AND PIPING TO A POINT 5'-0" OUTSIDE OF THE BUILDING, AND OVERFLOW DRAINS AND PIPING TO WALL MOUNTED DISCHARGE NOZZLES. ALL PIPING SHALL BE CONCEALED IN THE BUILDING CONSTRUCTION WHERE POSSIBLE.

2. INVERT ELEVATIONS SHALL BE ESTABLISHED AND VERIFIED BEFORE STORM PIPING IS INSTALLED IN ORDER THAT PROPER SLOPES WILL BE MAINTAINED. SLOPE STORM PIPING AT 1/8" PER FOOT MINIMUM.

3. STORM DRAIN PIPING BELOW GROUND:
3.1. ASTM A 74, SERVICE WEIGHT, HUB AND SPIGOT, CAST IRON SOIL PIPE AND FITTINGS; AND GASKETED JOINTS. ALL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE, AND LISTED BY NSF INTERNATIONAL.
3.2. IF PERMITTED BY LOCAL CODES, ASTM D 2665 SCHEDULE 40 SOLID WALL PVC PIPE WITH ASTM D 2665 SCHEDULE 40 SOCKET-TYPE FITTINGS MAY BE USED.

4. STORM DRAIN PIPING ABOVE GROUND:
4.1. ASTM A 888 AND CISPI 301, HUBLESS, CAST IRON SOIL PIPE AND FITTINGS; AND HEAVY DUTY SHIELDED, STAINLESS STEEL COUPLINGS. ALL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE, AND LISTED BY NSF INTERNATIONAL.
4.2. IF PERMITTED BY LOCAL CODES, ASTM D 2665 SCHEDULE 40 SOLID WALL PVC PIPE WITH ASTM D 2665 SCHEDULE 40 SOCKET-TYPE FITTINGS MAY BE USED. PVC PIPING INSTALLED IN RETURN AIR PLENUMS MUST BE PROTECTED WITH 3M FIRE BARRIER PLENUM WRAP 5A+, OR SIMILAR PRODUCT.

5. INSTALL CLEANOUTS IN A LOCATION THAT PERMITS ACCESS FOR SERVICE WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS. CLEANOUT PLUGS SHALL BE INSTALLED IN ACCORDANCE WITH PLUMBING CODE REQUIREMENTS. PROVIDE CLEANOUTS IN HORIZONTAL PIPING NOT MORE THAN 100 FEET APART, AT THE BASE OF ALL RAINWATER CONDUCTORS, AND FOR EVERY FOUR 45° CHANGES LOCATED IN SERIES (A LONG SWEEP IS EQUIVALENT TO TWO 45° BENDS).

FUEL GAS PIPING:

1. WORK TO INCLUDE PIPING FROM GAS METER TO ALL GAS-FIRED EQUIPMENT SERVING BUILDING, INCLUDING FINAL CONNECTIONS TO EQUIPMENT.

2. ALL WORK SHALL BE IN ACCORDANCE WITH THE STATE ADOPTED FUEL GAS CODE, ALL APPLICABLE LOCAL CODE REQUIREMENTS, AND THE REGULATIONS OF THE GAS COMPANY PROVIDING SERVICE.

3. FUEL GAS PIPING UNDER GROUND:
3.2. SCHEDULE 40 BLACK STEEL PIPE, ASTM A53 WITH POLYETHYLENE JACKET; WELDED JOINTS AND STANDARD WEIGHT BLACK STEEL BUTT WELD OR SOCKET WELD FITTINGS, ASTM A243; OR PRESS CONNECT FITTINGS COMPLYING WITH ANSI LC-4.
3.3. POLYETHYLENE PIPE, ASTM D2513, WITH HEAT FUSION JOINTS AND FITTINGS.

4. FUEL GAS PIPING ABOVE GROUND:
4.1. ASTM A 53 SCHEDULE 40 SEAMLESS BLACK STEEL PIPE WITH MALLEABLE FITTINGS AND THREADED JOINTS OR PRESS CONNECT FITTINGS COMPLYING WITH ANSI LC-4.
4.2. COPPER TUBING AS PERMITTED BY GAS CODE AND LOCAL AUTHORITIES.

5. VALVES SHALL BE FULL PORT BALL VALVES APPROVED FOR USE IN FUEL GAS PIPING SYSTEMS.

6. ALL GAS PIPING LOCATED UNDER THE FLOOR SLAB SHALL BE INSTALLED IN CONDUIT VENTED TO THE OUTDOORS OR AS REQUIRED BY CODE.

7. PROVIDE SHUT-OFF VALVE, UNION, VENT LIMITING GAS REGULATOR, DRIP LEG, AND TEST CONNECTION AT EACH PIECE OF GAS-FIRED EQUIPMENT TO PROVIDE PRESSURE TO EQUIPMENT AS REQUIRED BY MANUFACTURER.

8. ALL GAS PIPING LOCATED ON ROOFS SHALL BE INSTALLED ON MANUFACTURED PIPE SUPPORTS SIMILAR TO ERICO CADDY PYRAMID 50. WOOD BLOCKING WILL NOT BE PERMITTED.

9. ALL PIPING EXPOSED TO THE OUTDOORS, RUN IN UNCONDITIONED SPACES, OR EXPOSED IN FINISHED SPACES SHALL BE PAINTED WITH TWO COATS OF ENAMEL. COLOR TO BE YELLOW, AS SELECTED BY ARCHITECT, OR AS REQUIRED BY GAS COMPANY.

10. PROVIDE EMERGENCY SHUT-OFF VALVE FOR COOKING EQUIPMENT TO SHUT-OFF FUEL SUPPLY UPON ACTIVATION OF HOOD FIRE SUPPRESSION SYSTEM. VALVE SHALL HAVE A MANUAL RESET AND MAY BE MECHANICAL OR ELECTRIC SOLENOID. COORDINATE EXACT TYPE WITH HOOD INSTALLER, AND EXACT LOCATION WITH OWNER.

11. CORRUGATED STAINLESS STEEL TUBING SHALL NOT BE USED WITHOUT WRITTEN APPROVAL, EXCEPT FOR CONNECTIONS AT EQUIPMENT.

12. BEFORE INSTALLING ANY FUEL GAS PIPING, VERIFY THAT GAS IS AVAILABLE AT THE PRESSURE INDICATED ON THE DRAWINGS. IF THE AVAILABLE PRESSURE IS DIFFERENT THAN THE DESIGN PRESSURE, IMMEDIATELY SEEK CLARIFICATION THROUGH ARCHITECT TO DETERMINE IF PIPE SIZES NEED TO BE REVISED.

13. REGULATOR INSTALLATION
13.1. A TEE FITTING WITH ONE OPENING CAPPED OR PLUGGED SHALL BE INSTALLED BETWEEN THE MP REGULATOR AND ITS UPSTREAM SHUTOFF VALVE. SUCH TEE FITTING SHALL BE POSITIONED TO ALLOW CONNECTION OF A PRESSURE-MEASURING INSTRUMENT AND TO SERVE AS A SEDIMENT TRAP.
13.2. A TEE FITTING WITH ONE OPENING CAPPED OR PLUGGED SHALL BE INSTALLED NOT LESS THAN 10 PIPE DIAMETERS DOWNSTREAM OF THE MP REGULATOR OUTLET. SUCH TEE FITTING SHALL BE POSITIONED TO ALLOW CONNECTION OF A PRESSURE-MEASURING INSTRUMENT.
13.3. WHERE CONNECTED TO RIGID PIPING, A UNION SHALL BE INSTALLED WITHIN 1 FOOT (304 MM) OF EITHER SIDE OF THE MP REGULATOR.

INSULATION:

1. INSULATION, JACKETS, COVERINGS, SEALERS, MASTICS, AND ADHESIVES SHALL NOT EXCEED A FLAME SPREAD RATING OF 25 AND A SMOKE DEVELOPED RATING OF 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84.

2. ALL PIPE INSULATION SHALL RUN CONTINUOUSLY THROUGH FLOORS, WALLS, AND PARTITIONS.

3. DOMESTIC WATER PIPING:
3.1. INSULATE METALLIC AND AUTOMATIC CIRCULATING HOT WATER SYSTEM WATER PIPING ABOVE GRADE (EXCEPT EXPOSED CONNECTIONS TO PLUMBING FIXTURES) WITH 1" ELASTOMERIC FOAM INSULATION, OR 1" FIBERGLASS PIPE INSULATION WITH FACTORY-APPLIED ALL SERVICE JACKETING. 1/2" INSULATION MAY BE USED FOR METALLIC PIPING 1" AND LESS.
3.2. INSULATE NON-METALLIC PIPING INSTALLED IN RETURN AIR PLENUMS WITH FIRE BARRIER PLENUM WRAP LISTED FOR THE PIPE MATERIALS AND PIPE SIZE, IF THE PIPE AND FITTINGS ARE NOT LISTED FOR INSTALLATION IN RETURN AIR PLENUMS.

4. SANITARY WASTE AND VENT PIPING
4.1. INSULATE PVC PIPING INSTALLED IN RETURN AIR PLENUMS WITH 3M FIRE BARRIER PLENUM WRAP 5A+, OR SIMILAR PRODUCT.
4.2. INSULATE ALL ABOVE SLAB WASTE PIPING FROM ELECTRIC WATER COOLERS, AND FROM DRAINS SERVING ICE MACHINES, UP TO AND INCLUDING 10'-0" FROM FIXTURE OR DRAIN.

5. STORM PIPING
5.1. INSULATE STORM PIPING ABOVE GRADE AND ROOF DRAIN BODIES WITH 1" ELASTOMERIC FOAM INSULATION, OR 1" FIBERGLASS PIPE INSULATION WITH FACTORY-APPLIED ALL SERVICE JACKETING. THIS INCLUDES THE PRIMARY AND SECONDARY STORM DRAIN SYSTEMS.

FIRE STOPPING:

1. FIRE STOP ALL PENETRATIONS, BY PIPING OR CONDUITS, OF FIRE RATED WALLS, FLOORS, AND PARTITIONS. PROVIDE DEVICE(S) OR SYSTEM(S) WHICH HAS BEEN TESTED AND LISTED AS COMPLYING WITH ASTM E-814 AND INSTALL IN ACCORDANCE WITH THE CONDITIONS OF THEIR LISTING. PROVIDE DEVICE(S) OR SYSTEM(S) WITH AN 'F' RATING EQUAL TO THE RATING OF THE ASSEMBLY BEING PENETRATED.

HEAT TRACE:

1. DOMESTIC WATER PIPING:
1.1. IN AREAS SUBJECT TO FREEZING TEMPERATURES, WRAP WITH HEAT TRACE AND INSULATION INSTALLED PER MANUFACTURER'S RECOMMENDATIONS TO MAINTAIN TEMPERATURE AT 40°F OR ABOVE.

2. SANITARY WASTE AND VENT PIPING
2.1. FOR P-TRAPS INSTALLED IN AREAS SUBJECT TO FREEZING TEMPERATURES, WRAP WITH HEAT TRACE AND INSULATION INSTALLED PER MANUFACTURER'S RECOMMENDATIONS TO MAINTAIN TEMPERATURE AT 40°F OR ABOVE.

WATER HAMMER ARRESTER REQUIREMENTS:

1. PROVIDE WATER HAMMER ARRESTERS CONFORMING TO PDI-WH201 OR ASSE 1010, INSTALLED PER MANUFACTURER'S SPECIFICATIONS, WHERE QUICK CLOSING VALVES ARE UTILIZED. A QUICK CLOSING VALVE IS A VALVE OR FAUCET THAT CLOSES AUTOMATICALLY WHEN RELEASED, OR THAT IS CONTROLLED BY MECHANICAL MEANS FOR FAST-ACTION CLOSING. REFER TO WATER HAMMER ARRESTER SCHEDULE.

2. AS A MINIMUM, PROVIDE ONE WATER HAMMER ARRESTER FOR EACH BRANCH LINE TO EACH TOILET ROOM LESS THAN 20' IN LENGTH, LOCATED BETWEEN THE LAST TWO FIXTURES SERVED. FOR BRANCH LINES GREATER THAN 20' IN LENGTH, A SECOND WATER HAMMER ARRESTER IS REQUIRED.

SEISMIC REQUIREMENTS:

1. PROPERLY SUPPORT AND BRACE VERTICALLY AND HORIZONTALLY ALL PIPING, APPARATUS, EQUIPMENT, ETC IN ACCORDANCE WITH APPLICABLE CODES TO PREVENT EXCESSIVE MOVEMENT DURING SEISMIC CONDITIONS.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-5943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030549 J. DAVID HOOD
09-11-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: JDH
checked by: CED
project no: 25-104

PLUMBING NOTES AND LEGEND

P010

PLUMBING EQUIPMENT SCHEDULE

MARK	EQUIPMENT	MANUFACTURER & MODEL NO.	SPECIFICATION
FD-1	FLOOR DRAIN	ZURN Z415-CP	CAST IRON BODY, MEMBRANE CLAMP, ADJUSTABLE COLLAR, 6" SQUARE CHROME PLATED TOP, 1/2" TRAP PRIMER CONNECTION.
FD-2	FLOOR DRAIN	ZURN Z1731	9" DIAMETER HEAVY DUTY FLOOR DRAIN, TYPE 304 STAINLESS STEEL BODY WITH INTEGRAL ANCHOR FLANGE, TYPE 304 STAINLESS STEEL NON-TILT GRATE.
FD-3	FLOOR DRAIN	SIOUX CHIEF 860 SERIES	PVC BODY, ANCHOR FLANGE, PVC STRAINER (MEDIUM DUTY), ABS DEBRIS BUCKET, TRAP PRIMER PORT
FS-1	FLOOR SINK	ZURN ZN1901-KC-2	12"x12"x8" DEEP CAST IRON BODY WITH WHITE ACID RESISTING PORCELAIN ENAMEL INTERIOR, ANCHOR FLANGE WITH SEEPAGE HOLES AND CLAMP COLLAR, NICKEL BRONZE FRAME WITH 1/2 GRATE.
RD	MAIN ROOF DRAIN	ZURN ZA100	15" DIAMETER, DURA-COATED CAST IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD, ALUMINUM DOME.
ORD	OVERFLOW ROOF DRAIN	ZURN ZA100-W2	15" DIAMETER, DURA-COATED CAST IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD, ALUMINUM DOME, 2" HIGH INTERNAL WATER DAM.
DSN	DOWNSPOUT NOZZLE FOR OVERFLOW ROOF DRAINS	ZURN ZANB199-SS	NICKEL BRONZE BODY WITH REMOVABLE STAINLESS SCREEN.
FCO	FLOOR CLEAN OUT	ZURN ZN1400-BP	ADJUSTABLE, COATED CAST IRON BODY, ROUND SCORIATED NICKEL BRONZE TOP, BRONZE PLUG.
WCO	WALL CLEAN OUT	ZURN Z1446-BP	CAST IRON NO-HUB CLEANOUT TEE, WITH ROUND STAINLESS STEEL WALL ACCESS COVER, BRONZE PLUG, SECURING SCREW.
GCO	GRADE CLEAN OUT	ZURN Z1400-BP-VP	ADJUSTABLE, COATED CAST IRON BODY, ROUND CAST IRON TOP, BRONZE PLUG, VANDAL-PROOF SCREWS, SET IN 18" X 18" X 6" DEEP CONCRETE SLAB.
BFP-1	BACKFLOW PREVENTER	WATTS SERIES LF909QT-S	BRONZE REDUCED PRESSURE ZONE ASSEMBLY, WITH QUARTER-TURN BALL VALVES AND STRAINER. INCLUDE SERIES 909AG AIR GAP FITTING.
BFP-2	BACKFLOW PREVENTER	WATTS SERIES LF7	ASSE 1024 BRONZE DUAL CHECK VALVE, LEAD FREE, WITH UNION.
BFP-3	BACKFLOW PREVENTER	WATTS SERIES SD-3	ASSE 1022 DUAL CHECK VALVE FOR CARBONATED BEVERAGE MACHINES, 316 STAINLESS STEEL BODY, WITH ATMOSPHERIC VENT, WYE PATTERN STRAINER.
HB-1	HOSE BIBB	PRIER MODEL C-155NP.75	ANTI-SIPHON ANGLE SILL FAUCET, CAST BRASS, SATIN NICKEL PLATED, 3/4" FLANGED THREADED INLET, 3/4" HOSE THREAD OUTLET, METAL WHEEL HANDLE, VACUUM BREAKER BACKFLOW CHECK VALVE.
HB-2	HOSE BIBB	PRIER MODEL C-255CP.50	ANTI-SIPHON ANGLE SILL FAUCET, CAST BRASS, POLISHED CHROME PLATED, 1/2" FLANGED THREADED INLET, 3/4" HOSE THREAD OUTLET, LOOSE KEY OPERATION, VACUUM BREAKER BACKFLOW CHECK VALVE.
FWH	FREEZELESS WALL HYDRANT	PRIER MODEL C-634N	ENCASED, ANTI-SIPHON, CAST BRASS HYDRANT, SATIN NICKEL FINISH, 3/4" INLET, 3/4" HOSE THREAD OUTLET, LOOSE KEY OPERATION, SELF DRAINING, WITH INTEGRAL VACUUM BREAKER/BACKFLOW PREVENTER. INCLUDE PRIER MODEL C-634BX1 SATIN NICKEL HYDRANT BOX, WITH HINGED COVER AND OPERATING KEY LOCK.
FRH	FREEZELESS ROOF HYDRANT	MAPA PRODUCTS MODEL MPH-24FP:24/9	FREEZE PROOF PEDESTAL HYDRANT ASSEMBLY, SELF DRAINING, ANTI-SIPHON, 3/4" INLET, 3/4" HOSE THREAD OUTLET, GRADE 304 STAINLESS STEEL SHROUD WITH WELDED STAINLESS STEEL FLANGE, BLACK POWDER COATED CAST ALUMINUM WEATHER GUARD DOME HANDLE, QUICK DISCONNECT WITH BUILT-IN VACUUM BREAKER, BLACK POWDER COATED UNDER-DECK SUPPORT FLANGE, STAINLESS STEEL RESERVOIR.
FGH	FREEZELESS GROUND HYDRANT	PRIER MODEL P-260-3	ANTI-SIPHON, SELF-DRAINING, LOCKABLE, CAST IRON HEAD AND LEVER HANDLE, HEAVY DUTY GALVANIZED STEEL PIPE, 3' BURY DEPTH, 3/4" INLET, 3/4" BRASS HOSE THREAD OUTLET, BUILT IN BACKFLOW PREVENTER, INCLUDE ASSE 1052 VACUUM BREAKER.
WMB	WASHING MACHINE OUTLET BOX	OATEY WASHING MACHINE OUTLET BOX NO. 38957	RECESSED PLASTIC BOX, WITH 2" OFFSET DRAIN, 1/4 TURN BRASS BALL VALVES WITH WATER HAMMER ARRESTERS, 4 SUPPORT BRACKETS, SNAP-ON FACEPLATE.
IMB	ICE MAKER OUTLET BOX	OATEY ICE MAKER OUTLET BOX NO. 38608	RECESSED PLASTIC BOX, 1/4 TURN BRASS BALL VALVE WITH WATER HAMMER ARRESTER, 2 SUPPORT BRACKETS, SNAP-ON FACEPLATE.
TMV	THERMOSTATIC MIXING VALVE	SYMMONS MAXLINE 7-225-CK-MS	0.5 GPM MINIMUM FLOW, THERMOSTATIC WATER TEMPERATURE LIMITING VALVE WITH INTEGRAL CHECKS, BRASS BODY, BRASS AND STAINLESS STEEL INTERNAL COMPONENTS, DUAL STAINLESS STEEL STRAINERS, VANDAL-RESISTANT CAP/ TEMPERATURE ADJUSTMENT HANDLE, 1/2" MALE NPT CONNECTIONS. SET MIXING VALVE OUTLET TEMPERATURE TO 110° F.
ESP	ELEVATOR SUMP PUMP NOTE: ELEVATOR IS NOT HYDRAULIC	LIBERTY LE41A	4/10 HP SUBMERSIBLE SEWAGE PUMP, 115 V, PIGGY-BACK FLOAT SWITCH, 50 GPM AT 15' OF HEAD, ROUTE DISCHARGE TO HUB DRAIN
TD-1	TROUGH DRAIN	HIGH MARK MANUFACTURING	12" TALL X 18" WIDE X 5'-0" LONG ABS DRAIN TROUGH WITH LINT SCREEN
TD-2	TROUGH DRAIN	IMC/TEDDY FWR-36-SG-BH	4" TALL X 7.5" WIDE X 3'-0" LONG 16GA TYPE 304 STAINLESS STEEL FLOOR TROUGH WITH BEEHIVE STRAINER
EXP-1	THERMAL EXPANSION TANK	AMTROL ST-60VC	25 GALLON TANK VOLUME, 0.44 MIN ACCEPTANCE FACTOR
WH-1	GAS WATER HEATER	AO SMITH MODEL BTH-199	COMMERCIAL GAS-FIRED, CONDENSING, DIRECT VENT, 100 GALLON CAPACITY, 199 MBH INPUT, 261 GPH AT 90°F TEMPERATURE RISE, GLASS-LINED STEEL TANK, WITH FACTORY INSTALLED T&P RELIEF VALVE AND DRAIN VALVE.
MMV	MASTER MIXING VALVE	LEONARD TM-1520B-LF-DT-IT	HIGH/LOW THERMOSTATIC MIXING VALVE, 1 GPM MINIMUM FLOW, 80 GPM AT 15 PSI PRESSURE DROP; LARGE TYPE TM THERMOSTATIC WATER MIXING VALVE, ADJUSTABLE HIGH TEMPERATURE LIMIT STOP, INLET CHECKSTOPS, WALL SUPPORT, OUTLET BALL VALVE; SMALL TYPE TM THERMOSTATIC WATER MIXING VALVE, ADJUSTABLE HIGH TEMPERATURE LIMIT STOP+, INLET CHECKSTOPS, OUTLET BALL VALVE; FACTORY ASSEMBLED AND TESTED
BV-1	BALANCING VALVE ASSEMBLY	CIRCUIT SOLVER FOR 124 DEG. SYSTEM	CSUA-115-CV1-03 THERMOSTATIC VALVE WITH INTEGRATED CHECK VALVE AND BALL VALVES, SIZE PER CONNECTED LINE.
BV-2	BALANCING VALVE ASSEMBLY	CIRCUIT SOLVER FOR 140 DEG. SYSTEM	CSUA-130-CV1-03 THERMOSTATIC VALVE WITH INTEGRATED CHECK VALVE AND BALL VALVES, SIZE PER CONNECTED LINE.
LI-1	LINT INTERCEPTOR	ZURN Z1185-3	ACID RESISTANT COATED INTERIOR AND EXTERIOR FABRICATED STEEL LINT INTERCEPTOR, NON-SKID SECURED COVER, ALUMINUM LINT INTERCEPTING SECONDARY SCREEN ASSEMBLY, AND PERMANENT PRIMARY STRAINING BAFFLE WITH 3/8" DIAMETER PERFORATED HOLES, 30 GPM FLOW RATE
WF-1	WATER FILTER	OPTIPURE MODEL QTI-1	SINGLE-CARTRIDGE WATER TREATMENT SYSTEM, WITH 2.25 GPM FLOW RATE FOR 22,500-GALLONS, BUILT-IN PRESSURE GAUGE, AND INLET SHUT-OFF VALVE. APPLICATIONS INCLUDE 2.25 GPM FOR ICE MACHINES UP TO 1,000 LBS, FLAKERS UP TO 1,500 LBS, COFFEE MACHINES UP TO 2.25 GPM, AND STEAM AND COMBI OVENS.

NOTE: CODE COMPLIANT FIXTURES AND TRIM SUBSTITUTIONS ARRANGED BETWEEN OWNER AND CONTRACTOR ARE ACCEPTABLE.

WATER HAMMER ARRESTER SCHEDULE

PDI SIZE	FIXTURE UNITS	MODEL
A	1 - 11	SIOUX CHIEF 652-AS
B	12 - 32	SIOUX CHIEF 653-BS
C	33 - 60	SIOUX CHIEF 654-CS
D	61 - 113	SIOUX CHIEF 655-DS
E	114 - 154	SIOUX CHIEF 656-ES
F	155 - 330	SIOUX CHIEF 657-FS

WATER HAMMER ARRESTERS SHALL BE SEAMLESS, PISTON-TYPE, SIZED AND INSTALLED IN ACCORDANCE WITH PDI-WH201. INSTALL WATER HAMMER ARRESTER IN STANDARD TEE, SAME SIZE AS CONNECTED PIPING. AIR CHAMBERS WILL NOT BE PERMITTED.

PLUMBING FIXTURE SPECIFICATIONS AND CONNECTION SCHEDULE - GUEST ROOMS

MARK	FIXTURE	TYPE	MATERIAL	PIPE SIZES				SPECIFICATION
				SAN	VENT	CW	HW	
WC-1	WATER CLOSET	FLOOR MOUNTED FLUSH TANK ADA HEIGHT	VITREOUS CHINA	3"	1-1/2"	1/2"	-	FIXTURE: TOTO DRAKE MW7764726CEFG(A) WASHLET+ S7 TWO-PIECE TOILET - 1.28 GPF SUPPLY: McGUIRE 1/2" X 3/8" CHROME-PLATED CAST BRASS FLEXIBLE CLOSET SUPPLY KIT, WITH WHEEL HANDLE ANGLE STOP. SEAT: BEMIS MODEL AFFINITY 1200E4CT 000 HEAVY DUTY, SOLID PLASTIC, CLOSED FRONT, WITH COVER, WHISPER CLOSE EASY CLEAN HINGE, STA-TITE FASTENING SYSTEM.
WC-2	WATER CLOSET	FLOOR MOUNTED FLUSH TANK ADA HEIGHT	VITREOUS CHINA	3"	1-1/2"	1/2"	-	FIXTURE: SIMILAR TO WC-1, PROVIDE WITH TRIP LEVER ON APPROACH SIDE OF TOILET TANK. SUPPLY: McGUIRE 1/2" X 3/8" CHROME-PLATED CAST BRASS FLEXIBLE CLOSET SUPPLY KIT, WITH WHEEL HANDLE ANGLE STOP. SEAT: BEMIS MODEL AFFINITY 1200E4CT 000 HEAVY DUTY, SOLID PLASTIC, CLOSED FRONT, WITH COVER, WHISPER CLOSE EASY CLEAN HINGE, STA-TITE FASTENING SYSTEM.
L-1	LAVATORY	UNDERMOUNT ADA COMPLIANT	VITREOUS CHINA	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: APOGEE MODEL UB903W, SINGLE BOWL, UNDERMOUNT, DEPTH 6" WITH INSIDE BOWL DIMENSIONS 17-1/4" X12-3/8" AND OVER ALL 20" X 16" FAUCET: MOEN 6190BN, LEVEL STYLE HANDLE, SINGLE HOLE MOUNT, BRUSHED NICKEL FINISH, LEVER OPERATED POP-UP WASTE ASSEMBLY TRAP: McGUIRE 1-1/4" X 1-1/2" 17 GAUGE CHROME-PLATED CAST BRASS P-TRAP WITH CLEANOUT PLUG. SUPPLIES: 1/2" X 3/8" CHROME-PLATED CAST BRASS ANGLE STOPS WITH WHEEL HANDLES, BRAIDED STAINLESS STEEL SUPPLY TUBES. INCLUDE TRUEBRO LAV GUARD 2 MODEL #103 E-Z UNDERSINK PIPING COVERS, WITH P-TRAP COVER AND TWO ANGLE VALVE AND SUPPLY COVERS FOR ADA GUESTROOMS AND FOR PUBLIC RESTROOMS.
SH-1	SHOWER	SHOWER RECEPTOR	VIKRELL	2"	2"	1/2"	1/2"	FIXTURE: MINCEY MARBLE MANUFACTURING, SP-3460-C-SF, 60"X34" CENTER DRAIN TRIM: MOEN T2192BN SERIES SINGLE HANDLE SHOWER TRIM KIT WITH BRUSHED NICKEL FINISH, MOEN 3638EPBN 4 FUNCTION SHOWERHEAD, BRUSHED NICKEL FINIISH, 1.75 GPM MAX FLOW RATE. DRAIN: KOHLER MODEL K-9132-BN BRASS DRAIN WITH PERFORATED STRAINER, 2" CONNECTION, BRUSHED NICKEL FINISH. PROVIDE 2" P-TRAP. MOUNTING HEIGHT: ROUGH-IN FOR FIXED SHOWER HEAD SHALL BE 6/-10" TO 7'-0" AFF
SH-2	SHOWER	ADA COMPLIANT SHOWER RECEPTOR	MARBLE	2"	2"	1/2"	1/2"	FIXTURE: SHOWER BASE: MINCEY MARBLE MANUFACTURING, SP-3162-C/SF, CAST MARBLE ROLL-IN SHOWER BASE WITH INTEGRAL FIBERGLASS FLANGES, W/ SLIP-RESISTANT FINISH, CENTER DRAIN 62" (60" CLEAR) X 31" X 1-1/2" WITH #2250 SOLID WHITE - MATTE FINISH, CAULKING COLOR TO MATCH SURROUND . VALVE: KOHLER RITE-TEMP MODEL K-8304-KS-NA PRESSURE-BALANCING VALVE WITH SCREWDRIVER STOPS, UNIVERSAL INLETS; KOHLER MASTERSHOWER MODEL K-728-K THREE-WAY/TWO-WAY TRANSFER VALVE. TRIM: KOHLER FORTE MODEL K-T10277-4-BN BRUSHED NICKEL VALVE TRIM WITH LEVER HANDLE, MODEL K-T10290-4-BN BRUSHED NICKEL TRANSFER VALVE TRIM WITH LEVER HANDLE, MODEL K-7397-BN BRUSHED NICKEL 7-1/2" SHOWER ARM AND FLANGE, FORTE MODEL K-10240-BN BRUSHED NICKEL 1.75 GPM MULTI-FUNCTION SHOWERHEAD, FORTE MODEL K-10298-BN BRUSHED NICKEL 1.75 GPM MULTI-FUNCTION HANDSHOWER, MODEL K-9516-BN BRUSHED NICKEL SHOWER SLIDEBAR, MODEL K-9513-BN BRUSHED NICKEL WALL SUPPLY ELBOW, MODEL K-8593-BN BRUSHED NICKEL 72" METAL SHOWER HOSE. DRAIN: KOHLER MODEL K-9132-BN BRASS DRAIN WITH PERFORATED STRAINER, 2" CONNECTION, BRUSHED NICKEL FINISH. PROVIDE 2" P-TRAP. MOUNTING HEIGHT: ROUGH-IN FOR FIXED SHOWER HEAD SHALL BE 6/-10" TO 7'-0" AFF; FOR HANDSHOWER BOTTOM OF THE SHOWER HEAD MUST BE AT LEAST 6'-6" AFF.
BT-1	BATHTUB	ADA COMPLIANT BATH/SHOWER	VIKRELL	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: KOHLER VILLAGER K-716 60"X30-1/4" TUB, K-7115 (LEFT HAND DRAIN) OR K-716 (RIGHT HAND DRAIN), ENAMELED CAST IRON VALVE: KOHLER RITE-TEMP MODEL K-8304-KS-NA PRESSURE-BALANCING VALVE WITH SCREWDRIVER STOPS, UNIVERSAL INLETS; KOHLER MASTERSHOWER MODEL K-728-K THREE-WAY/TWO-WAY TRANSFER VALVE. TRIM: KOHLER FORTE MODEL K-T10277-4-BN BRUSHED NICKEL VALVE TRIM WITH LEVER HANDLE, MODEL K-T10290-4-BN BRUSHED NICKEL TRANSFER VALVE TRIM WITH LEVER HANDLE, FORTE MODEL K-10281-4-BN BRUSHED NICKEL DIVERTER BATH SPOUT WITH SCULPTED HANDLE, MODEL K-7397-BN BRUSHED NICKEL 7-1/2" SHOWER ARM AND FLANGE, FORTE MODEL K-10240-BN BRUSHED NICKEL 1.75 GPM MULTI-FUNCTION SHOWERHEAD, FORTE MODEL K-10298-BN BRUSHED NICKEL 1.75 GPM MULTI-FUNCTION HANDSHOWER, MODEL K-9516-BN BRUSHED NICKEL SHOWER SLIDEBAR, MODEL K-9513-BN BRUSHED NICKEL WALL SUPPLY ELBOW, MODEL K-8593-BN BRUSHED NICKEL 72" METAL SHOWER HOSE. DRAIN: KOHLER MODEL K-7271 BRASS POP-UP DRAIN, BRUSHED NICKEL FINISH. PROVIDE 1-1/2" P-TRAP. MOUNTING HEIGHT: ROUGH-IN FOR FIXED SHOWER HEAD SHALL BE 6/-10" TO 7'-0" AFF; FOR HANDSHOWER BOTTOM OF THE SHOWER HEAD MUST BE AT LEAST 6'-6" AFF.
BT-2	BATHTUB	BATH/SHOWER	VIKRELL	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: KOHLER VILLAGER K-716 60"X30-1/4" TUB, K-7115 (LEFT HAND DRAIN) OR K-716 (RIGHT HAND DRAIN), ENAMELED CAST IRON VALVE: KOHLER RITE-TEMP MODEL K-8304-KS-NA PRESSURE-BALANCING VALVE WITH SCREWDRIVER STOPS, UNIVERSAL INLETS; TRIM: KOHLER FORTE MODEL K-T10277-4-BN BRUSHED NICKEL VALVE TRIM WITH LEVER HANDLE, FORTE MODEL K-10281-4-BN BRUSHED NICKEL DIVERTER BATH SPOUT WITH SCULPTED HANDLE, MODEL K-7397-BN BRUSHED NICKEL 7-1/2" SHOWER ARM AND FLANGE, FORTE MODEL K-10240-BN BRUSHED NICKEL 1.75 GPM MULTI-FUNCTION SHOWERHEAD, DRAIN: KOHLER MODEL K-7271 BRASS POP-UP DRAIN, BRUSHED NICKEL FINISH. PROVIDE 1-1/2" P-TRAP. MOUNTING HEIGHT: ROUGH-IN FOR FIXED SHOWER HEAD SHALL BE 6/-10" TO 7'-0" AFF;
S-1	SINK	COUNTERTOP SINGLE BOWL ADA COMPLIANT	STAINLESS STEEL	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: KOHLER TOCCATA MODEL K-3349-1, 15" X 15" X 7" DEEP, 19 GAUGE STAINLESS STEEL, SELF-RIMMING, WITH SOUND-ABSORPTION SYSTEM, SINGLE FAUCET HOLE, CENTERED DRAIN. FAUCET: KOHLER ESSEX MODEL K-8761-G BAR SINK FAUCET, POLISHED CHROME-PLATED CAST BRASS, SINGLE HOLE MOUNT, WITH WRIST BLADE HANDLES, 5-1/2" GOOSENECK SWING SPOUT. TRAP: KOHLER MODEL K-8813 STAINLESS STEEL DRAIN WITH BASKET STRAINER AND CHROME-PLATED BRASS TAILPIECE, McGUIRE 1-1/2" 17 GAUGE CHROME-PLATED CAST BRASS P-TRAP WITH CLEANOUT PLUG. SUPPLIES: 1/2" X 3/8" CHROME-PLATED CAST BRASS ANGLE STOPS WITH WHEEL HANDLES, BRAIDED STAINLESS STEEL SUPPLY TUBES. INCLUDE TRUEBRO LAV GUARD 2 MODEL #103 E-Z UNDERSINK PIPING COVERS, WITH P-TRAP COVER AND TWO ANGLE VALVE AND SUPPLY COVERS.

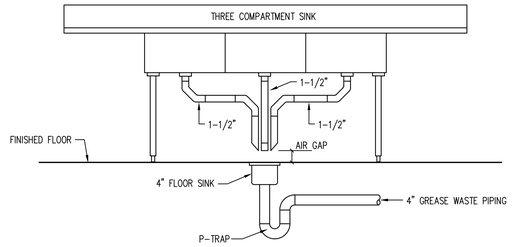
NOTE: CODE COMPLIANT FIXTURE AND TRIM SUBSTITUTIONS APPROVED BY OWNER AND HOTEL BRAND ARE ACCEPTABLE.

PLUMBING FIXTURE SPECIFICATIONS AND CONNECTION SCHEDULE - NON GUEST ROOMS

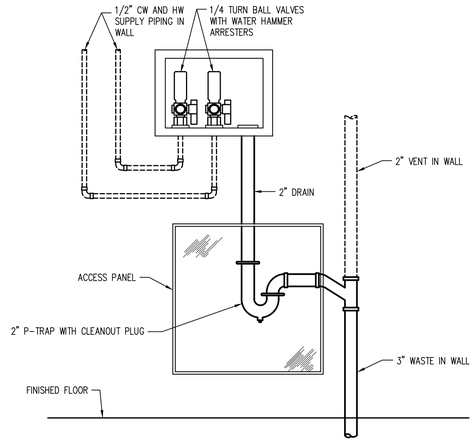
MARK	FIXTURE	TYPE	MATERIAL	PIPE SIZES				SPECIFICATION
				SAN	VENT	CW	HW	
WC-3	WATER CLOSET	FLOOR MOUNTED FLUSH VALVE ADA HEIGHT	VITREOUS CHINA	3"	1-1/2"	1"	-	FIXTURE: KOHLER HIGHCLIFF ULTRA K-PR96057-T3DS-NA, 1.6 GPF, ELONGATED RIM, SIPHON JET FLUSH ACTION, 1-1/2" TOP SPUD. FLUSH VALVE: BATTERY POWERED TOUCHLESS FLUSH VALVE INCLUDED. SEAT: BEMIS MODEL 3155SSCT EXTRA HEAVY WEIGHT, SOLID PLASTIC, OPEN FRONT, LESS COVER, STAINLESS STEEL SELF-SUSTAINING CHECK HINGES, STA-TITE FASTENING SYSTEM, ANTIMICROBIAL.
WC-4	WATER CLOSET	FLOOR MOUNTED FLUSH VALVE ADA HEIGHT	VITREOUS CHINA	3"	1-1/2"	1"	-	FIXTURE: KOHLER HIGHCLIFF ULTRA K-PR96057-T3DS-NA, 1.6 GPF, ELONGATED RIM, SIPHON JET FLUSH ACTION, 1-1/2" TOP SPUD. FLUSH VALVE: BATTERY POWERED TOUCHLESS FLUSH VALVE INCLUDED. SEAT: BEMIS MODEL 3155SSCT EXTRA HEAVY WEIGHT, SOLID PLASTIC, OPEN FRONT, LESS COVER, STAINLESS STEEL SELF-SUSTAINING CHECK HINGES, STA-TITE FASTENING SYSTEM, ANTIMICROBIAL.
U-1	URINAL	WALL HUNG FLUSH VALVE	VITREOUS CHINA	2"	1-1/2"	3/4"	-	FIXTURE: KOHLER DEXTER K-5016-ETSS-0 SIPHON-JET WALL-MOUNT 0.5 OR 1.0 GPF URINAL WITH TOP SPUD, ANTIMICROBIAL . FLUSH VALVE: SLOAN G2 OPTIMA PLUS MODEL 8186-0.5-LH, BATTERY POWERED SENSOR OPERATED, EXPOSED DIAPHRAGM TYPE, 0.5 GALLONS PER FLUSH, WITH OVERRIDE, LESS HANDLE OPENING. CARRIER: ZURN Z1222 SERIES WALL URINAL SUPPORT SYSTEM WITH TOP AND BOTTOM SUPPORT PLATES. MOUNTING HEIGHT: REFER TO ARCHITECTURAL PLANS
L-2	LAVATORY	WALL HUNG ADA HEIGHT	VITREOUS CHINA	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: TOTO LHT242(G) PROMINENCE WALL-MOUNT LAVATORY, VITREOUS CHINA LOWER SHROUD, SINGLE FAUCET HOLE. FAUCET: KOHLER FORTE MODEL K-10215-4, BRUSHED NICKEL FINISH, CAST BRASS, SINGLE CONTROL, SINGLE HOLE MOUNTING, METAL POP-UP DRAIN AND TAILPIECE. TRAP: MCGUIRE 1-1/4" X 1-1/2" 17 GAUGE CHROME-PLATED CAST BRASS P-TRAP WITH CLEANOUT PLUG. SUPPLIES: 1/2" X 3/8" CHROME-PLATED CAST BRASS ANGLE STOPS WITH WHEEL HANDLES, BRAIDED STAINLESS STEEL SUPPLY TUBES. INCLUDE TRUEBRO LAV GUARD 2 MODEL #103 E-Z UNDERSINK PIPING COVERS, WITH P-TRAP COVER AND TWO ANGLE VALVE AND SUPPLY COVERS. MIXING VALVE: TMV-1.
L-3	LAVATORY	UNDERMOUNT ACCESSIBLE	VITREOUS CHINA	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: TOTO RENDEZVOUS LT579G 17" UNDERMOUNT BATHROOM SINK WITH OVERFLOW AND CEFIONTECT CERAMIC GLAZE FAUCET: KOHLER FORTE MODEL K-10215-4, BRUSHED NICKEL FINISH, CAST BRASS, SINGLE CONTROL, SINGLE HOLE MOUNTING, METAL POP-UP DRAIN AND TAILPIECE. TRAP: MCGUIRE 1-1/4" X 1-1/2" 17 GAUGE CHROME-PLATED CAST BRASS P-TRAP WITH CLEANOUT PLUG. SUPPLIES: 1/2" X 3/8" CHROME-PLATED CAST BRASS ANGLE STOPS WITH WHEEL HANDLES, BRAIDED STAINLESS STEEL SUPPLY TUBES. INCLUDE TRUEBRO LAV GUARD 2 MODEL #103 E-Z UNDERSINK PIPING COVERS, WITH P-TRAP COVER AND TWO ANGLE VALVE AND SUPPLY COVERS. MIXING VALVE: TMV-1.
L-4	LAVATORY	WALL HUNG ADA HEIGHT	VITREOUS CHINA	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: AMERICAN STANDARD LUCERNE NO. 0355.012, 20" X 18", FRONT OVERFLOW, SELF-DRAINING DECK WITH SPLASH SHIELDS, FAUCET LEDGE WITH FAUCET HOLES ON 4" CENTERS. FAUCET: AMERICAN STANDARD COLONY PRO NO. 7075.054.002, POLISHED CHROME-PLATED CAST BRASS, SINGLE CONTROL CENTERSET, WITH 0.5 GPM VANDAL-RESISTANT AERATOR. MIXING VALVE: LEONARD LF-170 ASSE 1070 MIXING VALVE SET AT 105 DEG. F. TRAP: McGUIRE 155WC STRAINER WITH 1-1/4" OFFSET TAILPIECE, McGUIRE 1-1/4" X 1-1/2" 17 GAUGE CHROME-PLATED CAST BRASS P-TRAP WITH CLEANOUT PLUG. SUPPLIES: McGUIRE 1/2" X 3/8" CHROME-PLATED CAST BRASS FLEXIBLE LAVATORY SUPPLY KITS, WITH WHEEL HANDLE ANGLE STOPS. CARRIER: ZURN Z1231 SERIES CONCEALED ARM SYSTEM FOR WALL LAVATORIES. INCLUDE TRUEBRO LAV GUARD 2 MODEL #103 E-Z UNDERSINK PIPING COVERS, WITH P-TRAP COVER, TWO ANGLE VALVE AND SUPPLY COVERS, AND OFFSET TAILPIECE COVER.
LT-1	LAUNDRY TUB	FLOOR MOUNTED DOUBLE BOWL	MOLDED STONE	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: FIAT MODEL FLTD II TWIN TUB FLOOR MOUNTED SERV-A-SINK, 40" X 24" X 13-7/8" DEEP, WITH INTEGRAL DRAIN AND PLUG, WHITE BAKED ENAMEL STEEL ANGLE LEGS WITH LEVELING DEVICES. FAUCET: AMERICAN STANDARD LAUNDRY FAUCET MODEL 7573.240.002, POLISHED CHROME-PLATED CAST BRASS, 4" CENTERSET, SWIVEL SPOUT, LEVER HANDLES, 2.2 GPM AERATOR. TRAP: 1-1/2" CHROME-PLATED BRASS TAILPIECES, McGUIRE 1-1/2" 17 GAUGE CHROME-PLATED CAST BRASS CONTINUOUS WASTE AND P-TRAP WITH CLEANOUT PLUG. SUPPLIES: McGUIRE 1/2" X 3/8" CHROME-PLATED CAST BRASS FLEXIBLE SUPPLY KITS, WITH WHEEL HANDLE ANGLE STOPS.
S-2	SINK	COUNTERTOP SINGLE BOWL ADA COMPLIANT	STAINLESS STEEL	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: KOHLER TOCCATA MODEL K-3349-1, 15" X 15" X 7" DEEP, 19 GAUGE STAINLESS STEEL, SELF-RIMMING, WITH SOUND-ABSORPTION SYSTEM, SINGLE FAUCET HOLE, CENTERED DRAIN. FAUCET: KOHLER ESSEX MODEL K-8761-G BAR SINK FAUCET, POLISHED CHROME-PLATED CAST BRASS, SINGLE HOLE MOUNT, WITH WRIST BLADE HANDLES, 5-1/2" GOOSENECK SWING SPOUT. TRAP: KOHLER MODEL K-8813 STAINLESS STEEL DRAIN WITH BASKET STRAINER AND CHROME-PLATED BRASS TAILPIECE, McGUIRE 1-1/2" 17 GAUGE CHROME-PLATED CAST BRASS P-TRAP WITH CLEANOUT PLUG. SUPPLIES: 1/2" X 3/8" CHROME-PLATED CAST BRASS ANGLE STOPS WITH WHEEL HANDLES, BRAIDED STAINLESS STEEL SUPPLY TUBES.
EEW-1	EMERGENCY EYE/FACE WASH	WALL MOUNTED	ABS	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: HAWS MODEL 7360BT-7460BT, EYE/FACE WASH HEAD WITH DUST COVER, STAINLESS STEEL BOWL, CHROME PLATED BRASS STAY-OPEN EYEWASH VALVE WITH PUSH HANDLE, CAST ALUMINUM WALL BRACKET, 1-1/2" CHROME PLATED BRASS TAILPIECE AND P-TRAP. MIXING VALVE: HAWS MODEL 9201EFE THERMOSTATIC MIXING VALVE FOR EMERGENCY EYEWASH EQUIPMENT, WITH MODEL 9200REC RECESSED STAINLESS STEEL CABINET.
MB-1	MOP BASIN	24" X 24"		3"	2"	1/2"	1/2"	FIXTURE: BUILT ON SITE BY GC.. FAUCET: AMERICAN STANDARD EXPOSED YOKE WALL-MOUNT UTILITY FAUCET NO. 8354.112.004, ROUGH CHROME-PLATED CAST BRASS, ADJUSTABLE CENTERS, INTEGRAL SUPPLY STOPS, OFFSET SHANKS WITH INTEGRAL CHECK VALVES, CAST BRASS SPOUT WITH VACUUM BREAKER, HOSE THREAD OUTLET, PAIL HOOK, AND TOP BRACE. ADDITIONAL EQUIPMENT: PROVIDE FIAT 889CC MOP BRACKET, 832AA HOSE AND BRACKET, MSG2424 STAINLESS STEEL WALL GUARD PANELS.
EWC-1	ELECTRIC WATER COOLER / BOTTLE FILLER	WALL MOUNTED DUAL HEIGHT	STAINLESS STEEL	1-1/2"	1-1/2"	1/2"	-	FIXTURE: ELKAY MODEL LZSTL8WSLP, BARRIER-FREE, SELF CONTAINED, 8.0 GPH, PUSH BUTTON CONTROLS, STAINLESS STEEL CONSTRUCTION, SAFETY BUBBLERS, WITH ELECTRONIC BOTTLE FILLER. TRAP: McGUIRE 1-1/2" 17 GAUGE P-TRAP. SUPPLY: McGUIRE 1/2" X 3/8" CAST BRASS STOP WITH WHEEL HANDLE, OR 1/2" FULL PORT BALL VALVE.
EWC-2	BOTTLE FILLING STATION	WALL MOUNTED ADA COMPLIANT	STAINLESS STEEL	1¼"	1½"	½"	-	FIXTURE: HAWS MODEL 2000S BRITA HYDRATION STATION WITH LIFECYCLE CONTROL, RECESSED MOUNT, SELF-CONTAINED, 0.5 GPM BOTTLE FILL RATE, INTEGRAL DRAIN, MOUNT AT ADA HEIGHT. TRAP: McGUIRE 1-1/4" 17 GAUGE P-TRAP. SUPPLY: McGUIRE 1/2" X 3/8" CAST BRASS STOP WITH WHEEL HANDLE, OR 1/2" FULL PORT BALL VALVE.
EWC-3	ELECTRIC WATER COOLER / BOTTLE FILLER	WALL MOUNTED DUAL HEIGHT	STAINLESS STEEL	1-1/2"	1-1/2"	1/2"	-	FIXTURE: ELKAY MODEL VRCTLR8WSK (LOWER UNIT ON RIGHT) OR VRCTLR8WSK (LOWER UNIT ON LEFT), BARRIER-FREE, SELF CONTAINED, 8.0 GPH, PUSH BUTTON CONTROLS, STAINLESS STEEL CONSTRUCTION, VANDAL-RESISITANT, ONE PIECE VANDAL-RESISTANT BUBBLERS, FOR INDOOR/OUTDOOR USE, WITH ELECTRONIC BOTTLE FILLER. TRAP: McGUIRE 1-1/2" 17 GAUGE P-TRAP. SUPPLY: McGUIRE 1/2" X 3/8" CAST BRASS STOP WITH WHEEL HANDLE, OR 1/2" FULL PORT BALL VALVE.

NOTE: CODE COMPLIANT FIXTURE AND TRIM SUBSTITUTIONS APPROVED BY OWNER AND HOTEL BRAND ARE ACCEPTABLE.

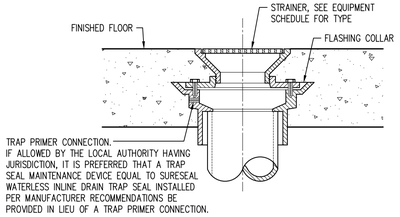
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOC



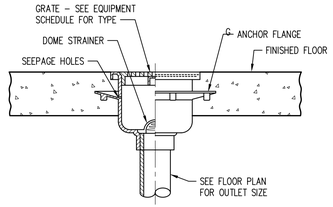
1 / P030 THREE COMPARTMENT SINK DETAIL
NOT TO SCALE



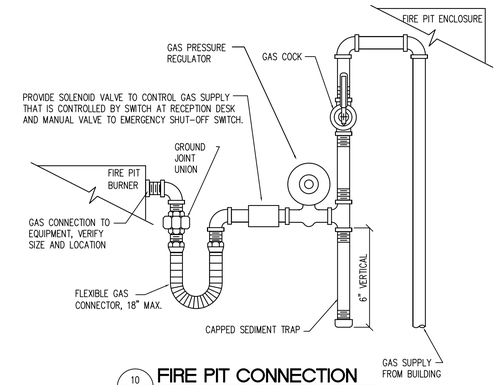
2 / P030 WASHING MACHINE OUTLET BOX DETAIL
NOT TO SCALE



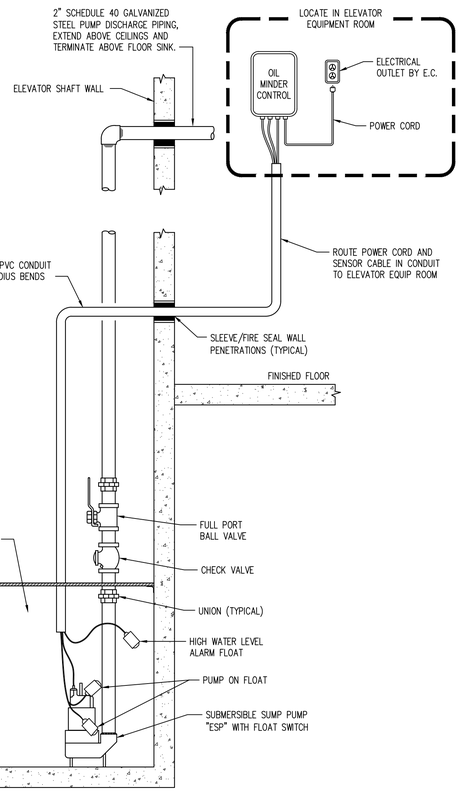
3 / P030 FLOOR DRAIN DETAIL
NOT TO SCALE



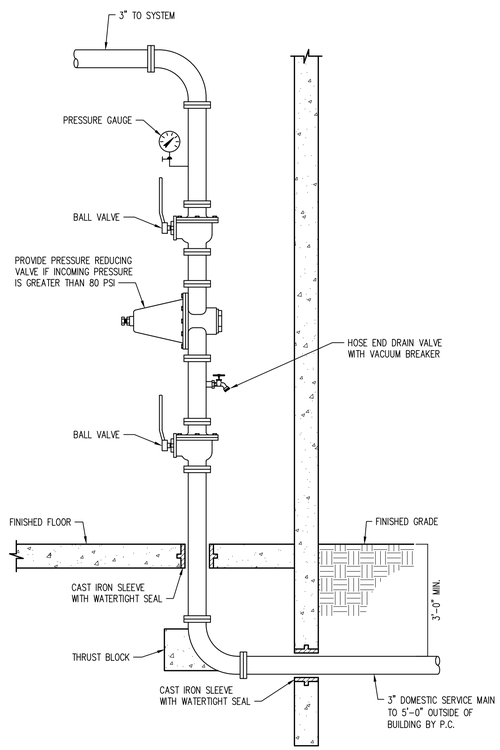
4 / P030 FLOOR SINK DETAIL
NOT TO SCALE



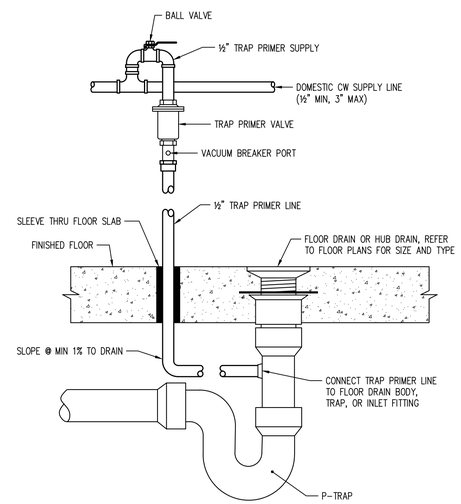
10 / P030 FIRE PIT CONNECTION
NOT TO SCALE



5 / P030 ELEVATOR SUMP PUMP DETAIL
NOT TO SCALE

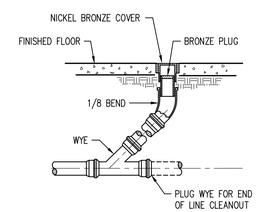


6 / P030 DOMESTIC SERVICE RISER DETAIL
NOT TO SCALE

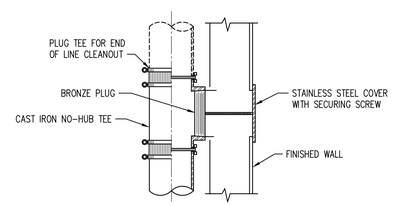


TRAP PRIMER NOTES:
1. PROVIDE TRAP PRIMER VALVES FOR ALL FLOOR DRAINS AND HUB DRAINS, EXCEPT SHOWER DRAINS.
2. TRAP PRIMER VALVES SHALL BE SIOUX CHIEF PRIME PERFECT SERIES 695, OR EQUAL.
3. CONNECT TRAP PRIMER VALVE TO CW LINE: ½" MIN. – 3" MAX.
4. PROVIDE SIOUX CHIEF WYE SPLITTER AND/OR DISTRIBUTOR FOR TRAP PRIMER VALVES SERVING MORE THAN ONE FLOOR DRAIN.
5. MAXIMUM OF EIGHT FLOOR DRAINS MAY BE SERVED BY ONE TRAP PRIMER VALVE.

7 / P030 TRAP PRIMER DETAIL
NOT TO SCALE



9 / P030 FLOOR CLEANOUT DETAIL
NOT TO SCALE



8 / P030 WALL CLEANOUT DETAIL
NOT TO SCALE

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030549 J. DAVID HOOD
09-11-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

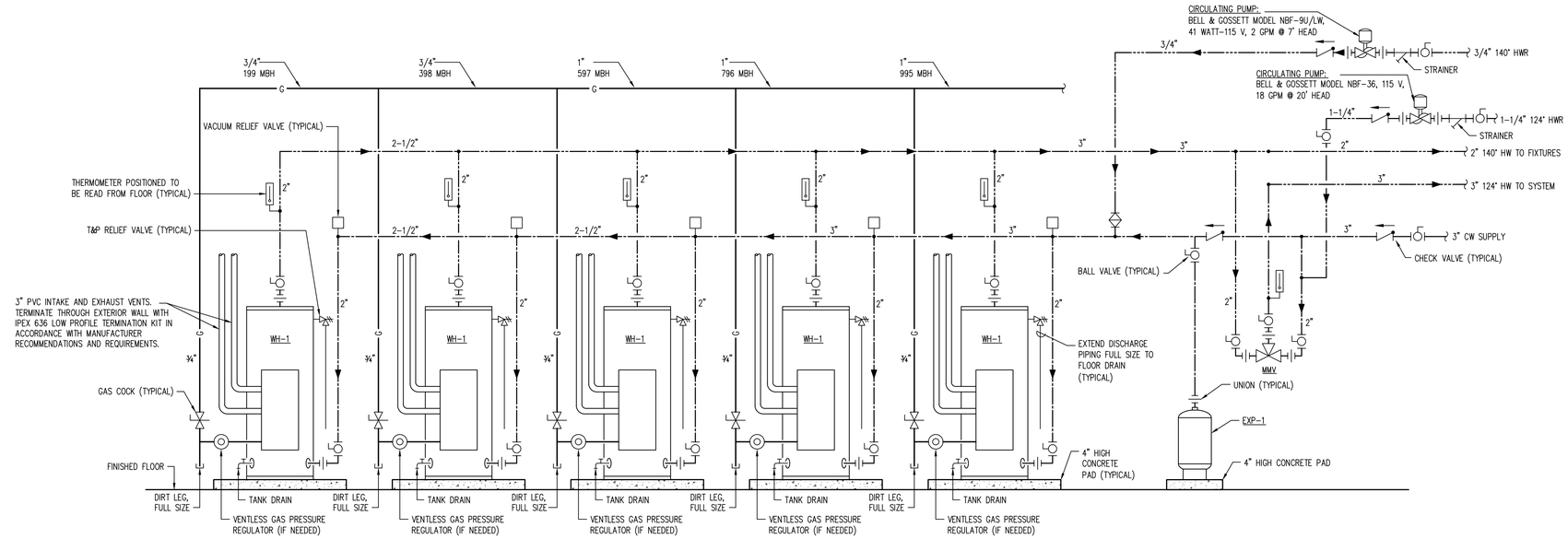
revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: JDH
checked by: CED
project no: 25-104

PLUMBING DETAILS

P030



NOTES:
1. PROVIDE HEAT TRAPS AS REQUIRED PER LOCAL CODE, UNLESS WATER HEATER HAS INTEGRAL HEAT TRAPS.
2. WATER HEATER AND RELATED COMPONENTS SHALL BE INSTALLED PER CODE AND MANUFACTURER'S INSTRUCTIONS.
3. PROVIDE NEUTRALIZATION KIT EQUAL TO AXIOM MODEL NC-1.
4. MIXING VALVE PIPING SCHEMATIC IS BASED ON A GENERIC MIXING VALVE. MODIFY AS REQUIRED PER MANUFACTURER RECOMMENDATIONS FOR PROVIDED VALVE.

1 / P040 **WATER HEATER DETAIL**
NOT TO SCALE

DOMESTIC WATER PRESSURE BOOSTER SYSTEM

EQUIP. NO.	SERVICE LOCATION	NO. OF PUMPS	GPM/EA PUMP	SYSTEM PRESSURE VALUES				MOTOR DATA AND VALUES			CONTROL PANEL				REMARKS	DESIGN BASIS MODEL
				TDH [Feet]	SUCTION [PSI]	BOOST [PSI]	SET [PSI]	RPM	HP	kWh PER YR.	VOLTAGE	PHASE	FULL LOAD	MAX. SCCR		
BP-1	STOR. 137	2	84	49.83	57.00	21.57	73.57	3,450	3	6682.5	230	Single Phase	33.46	100KAIC	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	QUANTUMFLO-48342: WISPERFLO DUPLEX VQSG_85S/2(4")

1. NET BOOST PRESSURE IS CALCULATED BY SYSTEM SET PRESSURE MINUS SUCTION PRESSURE LESS SYSTEM LOSSES OF 5 PSI
2. SYSTEM SUBMITTALS SHALL INCLUDE CERTIFICATE NUMBER FOR NSF61 CERTIFICATION, UL508A AND QCZJ 3RD PARTY COMPLIANCE.
3. SYSTEM MUST BE MANUFACTURED AND ASSEMBLED IN AN ISO 9001 AND ISO 45001 CERTIFIED FACILTY
4. SYSTEM CONTROLS MUST COMPLY WITH AND PROVIDE FOR EITHER CONTROL LOGIC OR REMOTE SENSOR IN ACCORDANCE WITH ANSI/ASHRAE/IES STANDARD 90.1 ENERGY STANDARD
5. PROVIDE 5-YEAR WARRANTY ON COMPLETE SYSTEM AND INCLUDE WARRANTY CERTIFICATE WITH DETAILS IN SUBMITTALS
6. SYSTEM SHALL BE PRE-SET TO SYSTEM SITE CONDITIONS BY SIMULATING SUCTION PRESSURE. HYDROSTATIC-ONLY TESTING IS NOT ACCEPTABLE.
7. THE INDUSTRIAL CONTROLLER SHALL BE IN COMPLIANCE WITH CURRENT NEC, SECTION 409.110 HAVING A MAXIMUM 100K AVAILABLE FAULT CURRENT.
8. SCCR RATINGS MUST BE INCLUSIVE OF ALL COMPONENTS WITHIN THE ENCLOSURE WITHOUT THE NEED TO PROVIDE ADDITIONAL UPSTREAM PROTECTION.
9. EQUAL SYSTEMS MUST SHOW MATHEMATICAL ANALYSIS PROVING THAT THE ALTERNATE SUPPLIER MEETS OR EXCEEDS THE KW CAPACITY LISTED.
10. PROVIDE THE FOLLOWING OPTIONS: GENERAL ALARM DRY CONTACT RELAY; MONITORS: SENSOR FAIL, LOW SUCTION/LEVEL & HIGH SYSTEM AND VFD FAULTS, 4" 316SS NSF61 FLEX CONNECTOR, GROOVED (INCLUDES COUPLING), 4"
11. REPRESENTATIVE: OTTO SALES. PHONE: (804) 798-2600
12. BASED ON PROJECT: 25165 HAMPTON INN AND SUITES LELAND (048342)

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 030549 ENGINEER J. DAVID HOOD
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: JDH
checked by: CED
project no: 25-104

PLUMBING DETAILS

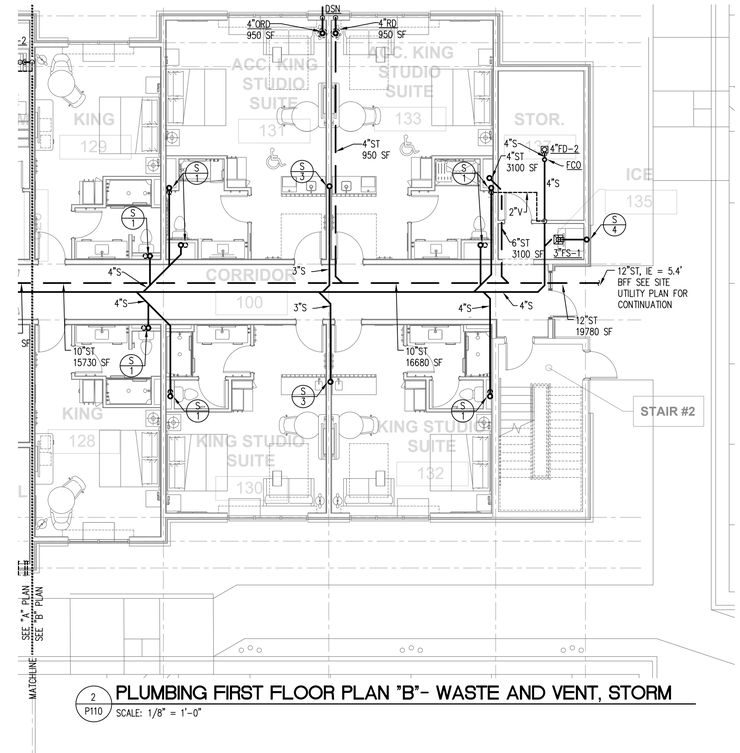
P040

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

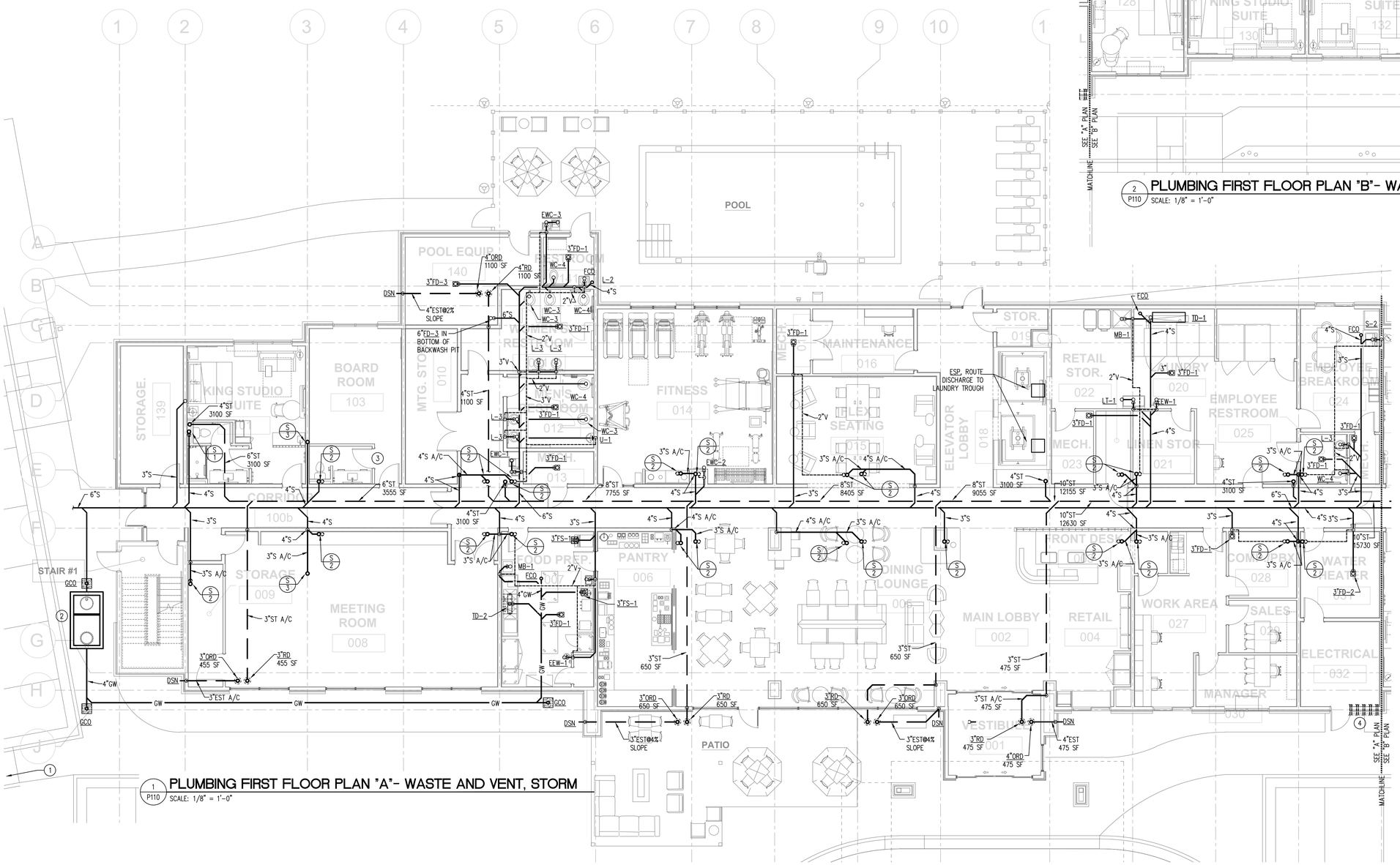
KEYED NOTES THIS SHEET

1. PROVIDE DRAIN FOR DUMPSTER ENCLOSURE, ROUTE TO STORM, COORDINATE REQUIREMENTS WITH CIVIL PLANS
2. PROVIDE 1000 GALLON PRECAST GREASE INTERCEPTOR INSTALLED IN COMPLIANCE WITH LOCAL REQUIREMENTS
3. BOARD ROOM 103 IS SIMILAR TO A KING ROOM, MINUS THE SHOWER, FROM A PLUMBING ASPECT.
4. PROVIDE IPEX 636 LOW PROFILE CONCENTRIC VENT TERMINATION KIT, INSTALL PER MFR RECOMMENDATIONS. (TYP OF 5), ROUTE TWO 3" PVC FROM EACH KIT TO A WATER HEATER IN WATER HEATER 031.

3 STORM DRAINAGE ADDED FOR FIVE LOW ROOF AREAS NOT OVER THE VESTIBULE, CLOUDING NOT SHOWN FOR CLARITY. THE SIZE OF THE BUILDING STORM DRAIN DID NOT CHANGE.



2 P110 PLUMBING FIRST FLOOR PLAN "B"- WASTE AND VENT, STORM
SCALE: 1/8" = 1'-0"



1 P110 PLUMBING FIRST FLOOR PLAN "A"- WASTE AND VENT, STORM
SCALE: 1/8" = 1'-0"

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 030549 ENGINEER J. DAVID HOOD
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

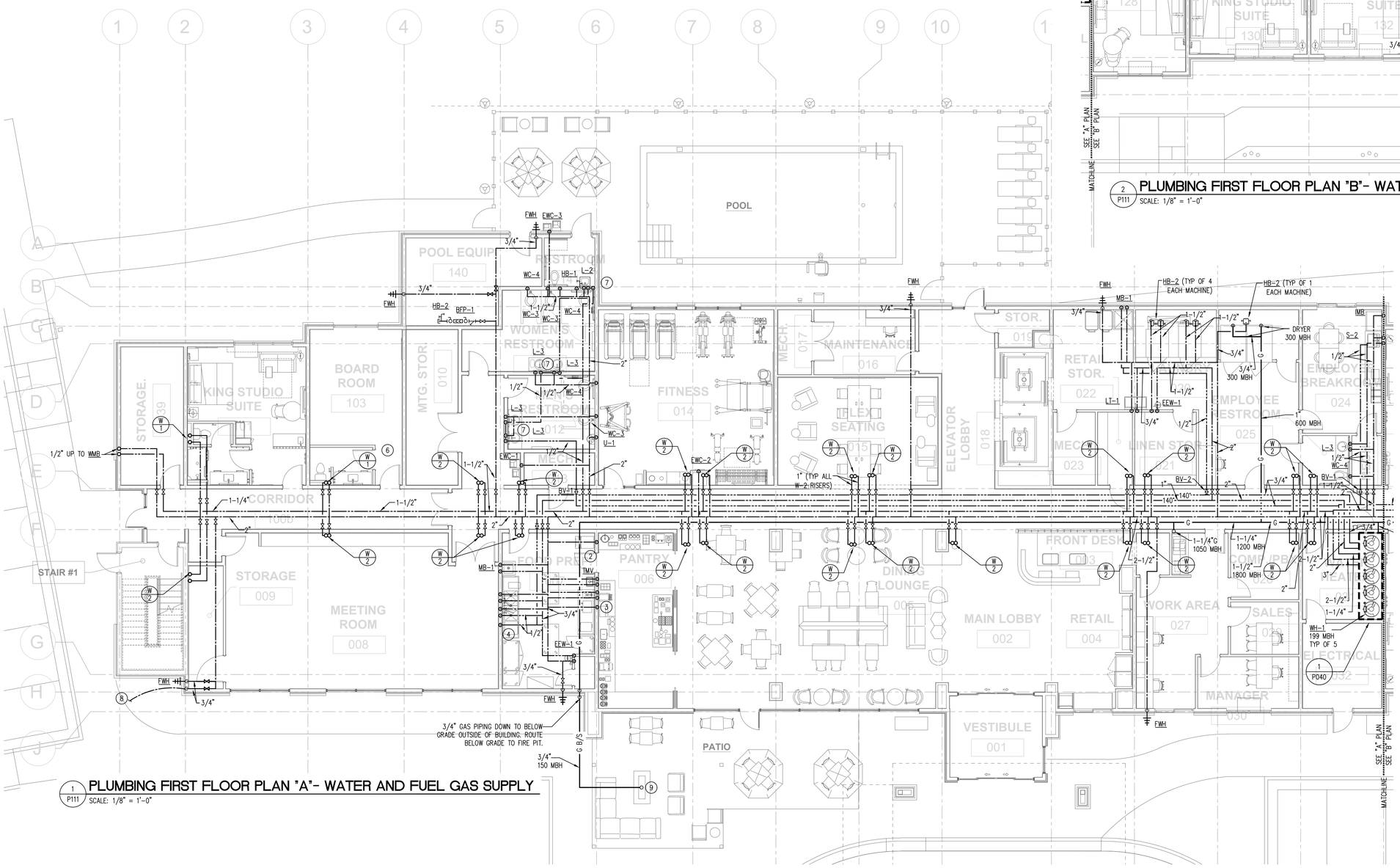
drawn by: JDH
checked by: CED
project no: 25-104

PLUMBING FIRST FLOOR PLAN - WASTE, VENT AND STORM

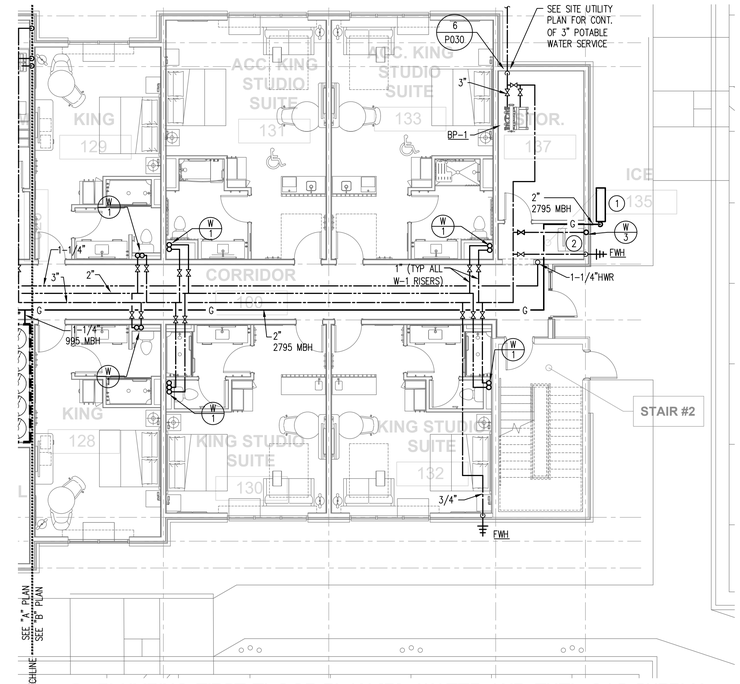
P110

KEYED NOTES THIS SHEET

1. PROPOSED GAS SERVICE LOCATION. COORDINATE GAS SERVICE WITH LOCAL GAS COMPANY. TOTAL CONNECTED LOAD = 2795 MBH, SYSTEM DEVELOPED LENGTH = 400'. PIPING IS SIZED BASED ON A SYSTEM PRESSURE OF 2 PSI WITH A 1 PSI PRESSURE DROP PER 2018 NCFGC TABLE 402.4(5).
2. 1/2" CW TO CONNECTION ON ICE MACHINE. PROVIDE BALL VALVE, WF-1, AND AND BFP-2 AT CONNECTION.
3. CONNECT 1/2" CW TO COFFEE MACHINE WITH BALL VALVE, WF-1, AND BFP-2. VERIFY SIZE AND LOCATION OF CONNECTION WITH EQUIPMENT SUPPLIER.
4. 1/2" HW TO CONNECTION ON DISHWASHER. PROVIDE BALL VALVE AND BFP-2 AT CONNECTION, UNLESS DISHWASHER HAS INTEGRAL CHECK VALVE.
5. CONNECT 1/2" CW TO JUICE MACHINE WITH BALL VALVE, WF-1, AND BFP-1. VERIFY SIZE AND LOCATION OF CONNECTION WITH EQUIPMENT SUPPLIER.
6. BOARD ROOM 103 IS SIMILAR TO A KING ROOM, MINUS THE SHOWER, FROM A PLUMBING ASPECT.
7. DROP HW LOOP TO BEHIND FIXTURE AT ROUGH-IN HEIGHT.
8. EXTEND 3/4" CW PIPING BELOW GRADE TO DUMPSTER ENCLOSURE. PROVIDE FGH OUTSIDE OF ENCLOSURE, REFER TO ARCHITECTURAL OR CIVIL SITE PLAN FOR DUMPSTER PAD LOCATION. PROVIDE PERMANENT SIGN AT HYDRANT THAT STATES "CAUTION, NONPOTABLE WATER, DO NOT DRINK"
9. CONNECT GAS PIPING TO FIRE PIT, 150 MBH PROVIDE SOLENOID VALVE TO CONTROL GAS SUPPLY THAT IS CONTROLLED BY SWITCH AT RECEPTION DESK



1 P111 PLUMBING FIRST FLOOR PLAN "A"- WATER AND FUEL GAS SUPPLY
SCALE: 1/8" = 1'-0"



2 P111 PLUMBING FIRST FLOOR PLAN "B"- WATER AND FUEL GAS SUPPLY
SCALE: 1/8" = 1'-0"

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

SEAL 030549
ENGINEER J. DAVID HOOD
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: JDH
checked by: CED
project no: 25-104

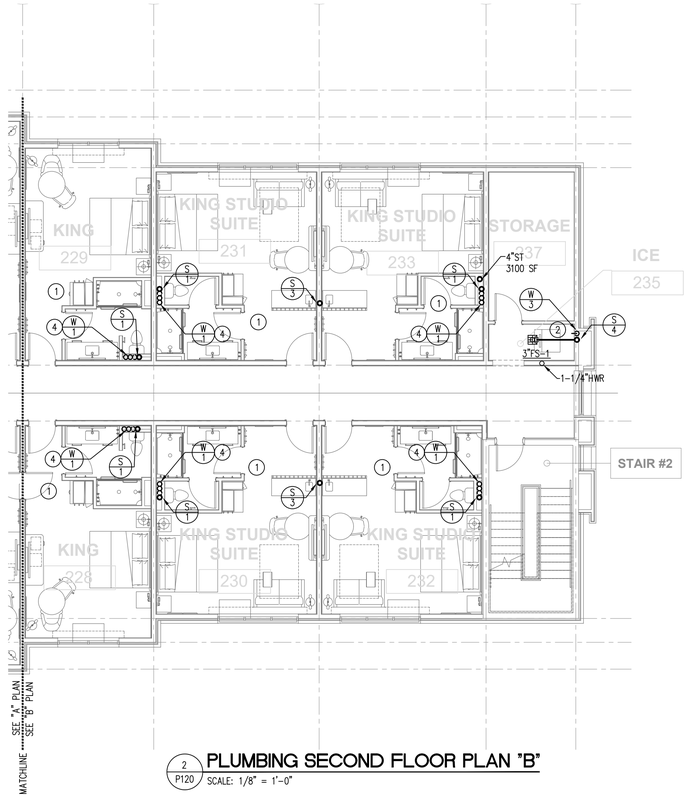
PLUMBING FIRST FLOOR PLAN - WASTE, VENT AND STORM

P111

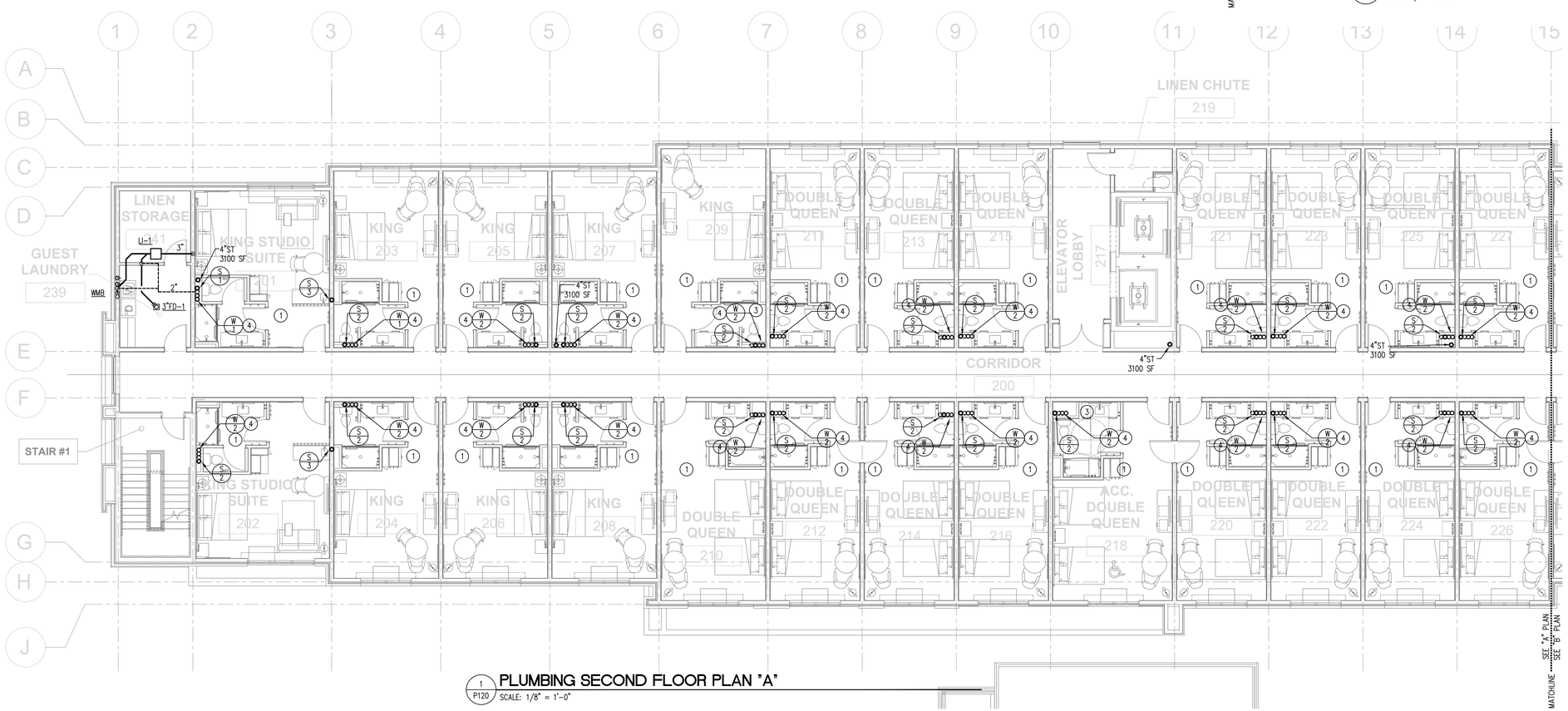
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

KEYED NOTES THIS SHEET

1. REFER TO GUEST ROOM PLANS ON P210 FOR PIPING IN GUESTROOMS.
2. 1/2" CW TO CONNECTION ON ICE MACHINE. PROVIDE BALL VALVE, WF-1, AND AND BFP-1 AT CONNECTION.
3. TRANSITION IF REQUIRED TO OFFSET WATER AND WASTE RISERS.
4. ROUTE WATER RISERS WITHIN CAVITY ALONG SAME PATH AS SAN. SOME RISERS MAY SHOW ON PLAN OUTSIDE OF THE CAVITY BUT THE INTENT IS TO ROUTE THEM IN THE CAVITY.



2 / P120 PLUMBING SECOND FLOOR PLAN "B"
SCALE: 1/8" = 1'-0"



1 / P120 PLUMBING SECOND FLOOR PLAN "A"
SCALE: 1/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030549 J. DAVID HOOD
09-11-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

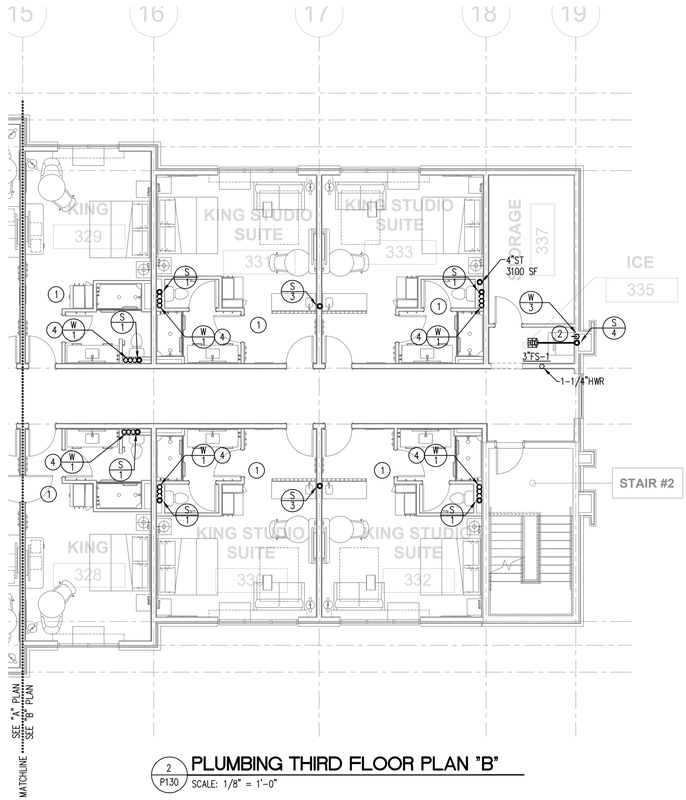
drawn by: JDH
checked by: CED
project no: 25-104

PLUMBING SECOND FLOOR PLAN

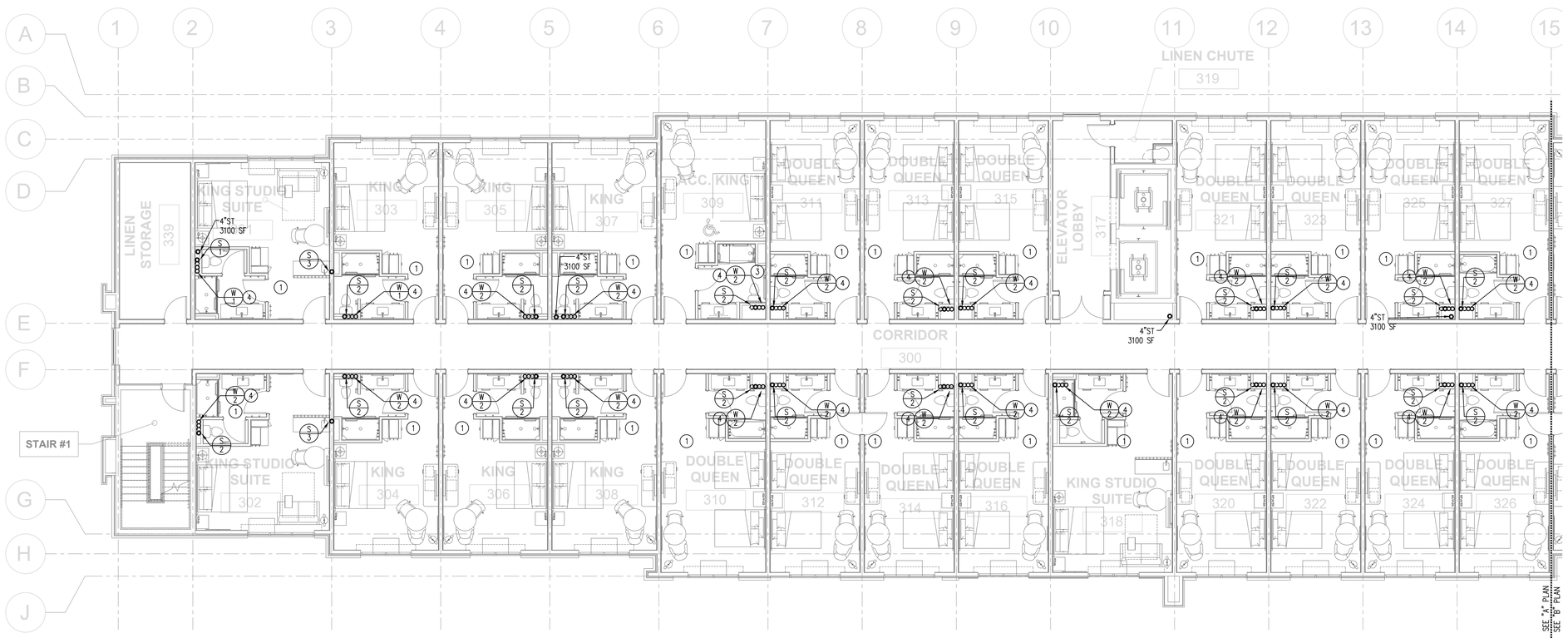
P120

KEYED NOTES THIS SHEET

1. REFER TO GUEST ROOM PLANS ON P210 FOR PIPING IN GUESTROOMS.
2. 1/2" CW TO CONNECTION ON ICE MACHINE. PROVIDE BALL VALVE, WF-1, AND AND BFP-1 AT CONNECTION.
3. TRANSITION IF REQUIRED TO OFFSET WATER AND WASTE RISERS.
4. ROUTE WATER RISERS WITHIN CAVITY ALONG SAME PATH AS SAN. SOME RISERS MAY SHOW ON PLAN OUTSIDE OF THE CAVITY BUT THE INTENT IS TO ROUTE THEM IN THE CAVITY.



2 P130 PLUMBING THIRD FLOOR PLAN "B"
SCALE: 1/8" = 1'-0"



1 P130 PLUMBING THIRD FLOOR PLAN "A"
SCALE: 1/8" = 1'-0"

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 030549 ENGINEER J. DAVID HOOD
09-11-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

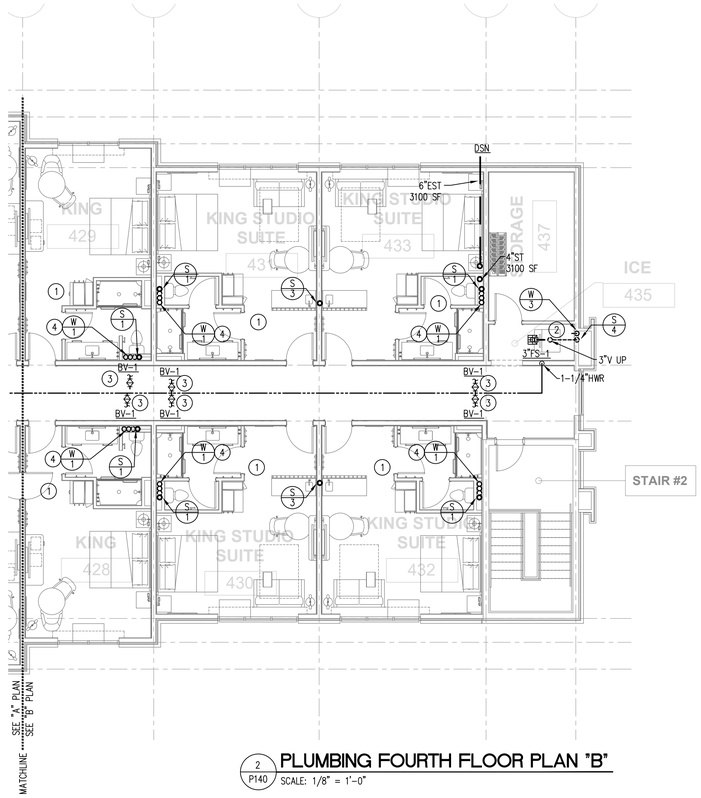
drawn by: JDH
checked by: CED
project no: 25-104

PLUMBING THIRD FLOOR PLAN

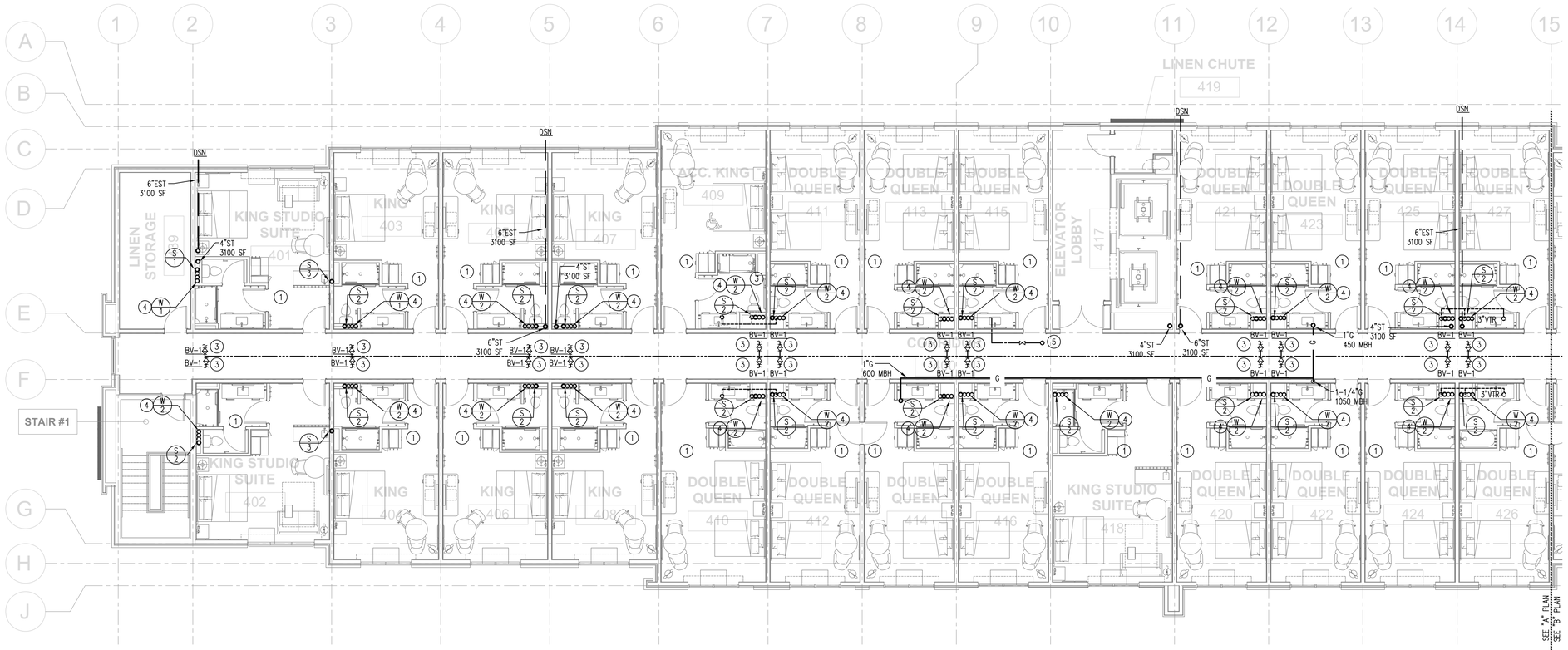
P130

KEYED NOTES THIS SHEET

1. REFER TO GUEST ROOM PLANS ON P210 FOR PIPING IN GUESTROOMS.
2. 1/2" CW TO CONNECTION ON ICE MACHINE. PROVIDE BALL VALVE, WF-1, AND AND BFP-1 AT CONNECTION.
3. TRANSITION IF REQUIRED TO OFFSET WATER AND WASTE RISERS.
4. ROUTE WATER RISERS WITHIN CAVITY ALONG SAME PATH AS SAN. SOME RISERS MAY SHOW ON PLAN OUTSIDE OF THE CAVITY BUT THE INTENT IS TO ROUTE THEM IN THE CAVITY.



2 P140 PLUMBING FOURTH FLOOR PLAN "B"
SCALE: 1/8" = 1'-0"



1 P140 PLUMBING FOURTH FLOOR PLAN "A"
SCALE: 1/8" = 1'-0"

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 030549 ENGINEER J. DAVID HOOD
09-11-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: JDH
checked by: CED
project no: 25-104

PLUMBING FOURTH FLOOR PLAN

P140

NOTE:
STORM DRAINAGE IS SIZED BASED ON A PRIMARY RAINFALL RATE OF 4.25"/HR AND A SECONDARY RAINFALL RATE OF 7.4"/HR.

STORM DRAINAGE CALCULATION FOR UPPER ROOF

AREA = 14642 SF
VERT AREA =813 SF
TOTAL = 15,455 SF
5 DRAINS
AREA PER DRAIN = 15455/5 = 3090 SF
ROUND UP TO 3100 SF FOR SIMPLICITY

SEE SHEET P120 FOR LOWER ROOF AREAS

Table 1106.2 FOR 4.25" RAINFALL RATE
Size of Vertical Conductors and Leaders

Size of Leader or Conductor (In.)	Max. Projected Roof Area SQ. FT
2	678
3	2,071
4	4,329
5	8,141
6	12,706
8	27,294

Table 1106.2 FOR 7.4"/HR RAINFALL RATE
Size of Vertical Conductors and Leaders

Size of Leader or Conductor (In.)	Max. Projected Roof Area SQ. FT
2	389
3	1,189
4	2,486
5	4,676
6	7,297
8	15,676

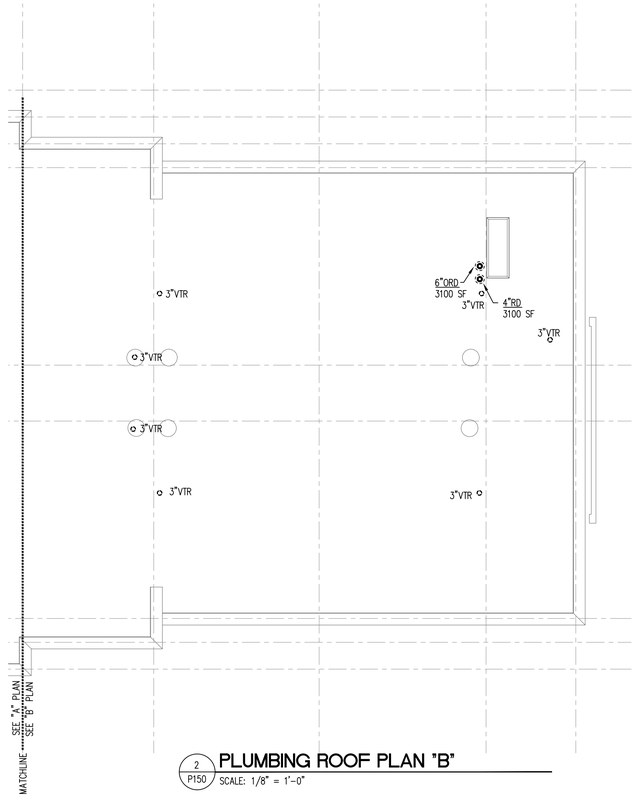
Table 1106.3 FOR 4.25" RAINFALL RATE
Size of Horizontal Storm Drains

Diameter of Drain (In.)	Maximum Projected Roof Area for Drains of Various Slopes (sq. ft) 1/8 In Slope SQ. FT	1/4 In Slope SQ. FT	1/2 In Slope SQ. FT
3	774	1,092	1,547
4	1,769	2,494	3,539
5	3,144	4,442	6,287
6	5,035	7,106	10,071
8	10,824	15,341	21,647
10	19,482	27,482	40,376
12	31,341	44,424	62,682
15	56,000	79,059	112,000

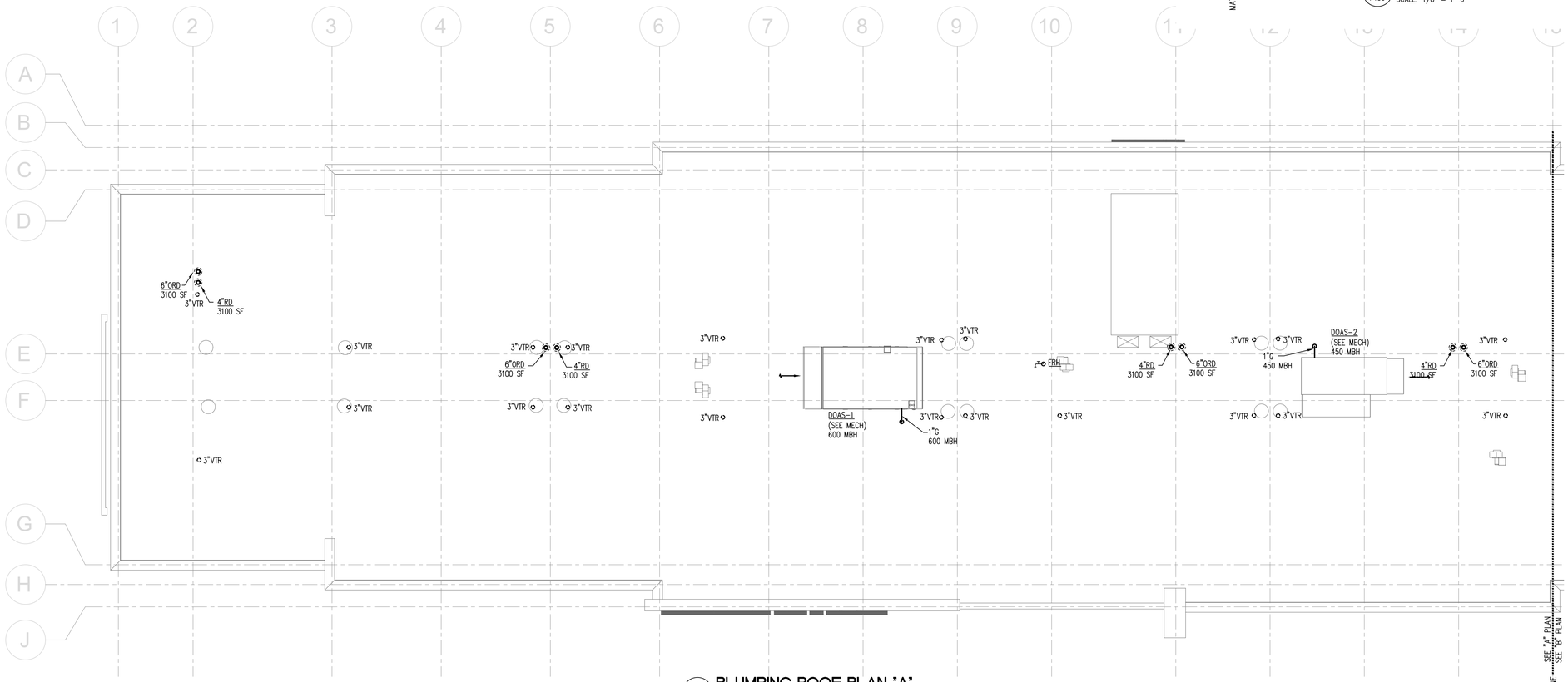
Table 1106.3 FOR 7.4" RAINFALL RATE
Size of Horizontal Storm Drains

Diameter of Drain (In.)	Maximum Projected Roof Area for Drains of Various Slopes (sq. ft) 1/8 In Slope SQ. FT	1/4 In Slope SQ. FT	1/2 In Slope SQ. FT
3	444	627	889
4	1,016	1,432	2,032
5	1,805	2,551	3,611
6	2,892	4,081	5,784
8	6,216	8,811	12,432
10	11,189	15,784	23,189
12	18,000	25,514	36,000
15	32,162	45,405	64,324

3 / P150 STORM SIZING TABLES
NOT TO SCALE



2 / P150 PLUMBING ROOF PLAN "B"
SCALE: 1/8" = 1'-0"



1 / P150 PLUMBING ROOF PLAN "A"
SCALE: 1/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED
CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL
SEAL
030549
ENGINEER
J. DAVID HOOD
09-11-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: JDH
checked by: CED
project no: 25-104

PLUMBING ROOF PLAN

P150

ALL WATER PIPING SHOWN ON THIS SHEET SHALL BE RUN ABOVE CEILINGS IN AREAS WITH CEILINGS AND SHALL BE RUN AS HIGH AS POSSIBLE IN AREAS WITHOUT CEILINGS, UNLESS OTHERWISE NOTED.

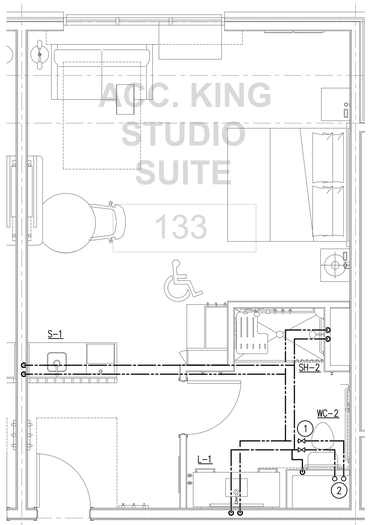
ALL WATER PIPING SHOWN ON THIS SHEET IS 1/2" UNLESS OTHERWISE NOTED ON THIS SHEET OR RISER DIAGRAMS..

GUEST ROOM PIPING LAYOUTS ARE TYPICAL FOR EACH TYPE OF GUEST ROOM INDICATED. SEE FLOOR PLANS FOR ROOM LOCATIONS AND ADDITIONAL INFORMATION.

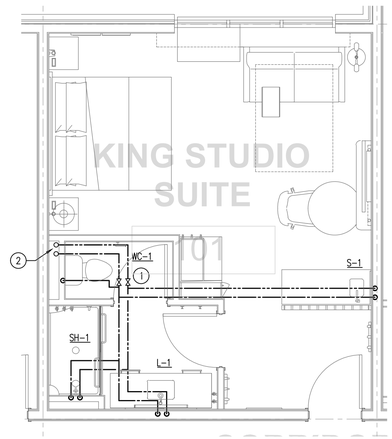
SEE FIXTURE SCHEDULE ON SHEET P020 FOR SIZES OF WATER SUPPLY CONNECTIONS TO INDIVIDUAL FIXTURES.

KEYED NOTES THIS SHEET

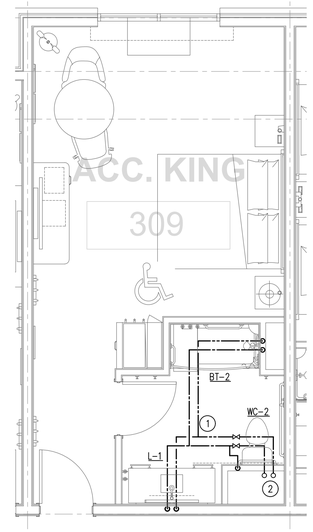
1. PROVIDE SHUT-OFF FOR GUESTROOM WITH ACCESS PANEL. COORDINATE EXACT ACCESS PANEL LOCATION WITH OWNER.
2. WATER RISER LOCATION, SEE FLOOR PLANS AND RISER DIAGRAMS ON SHEET P310 FOR MORE INFORMATION.



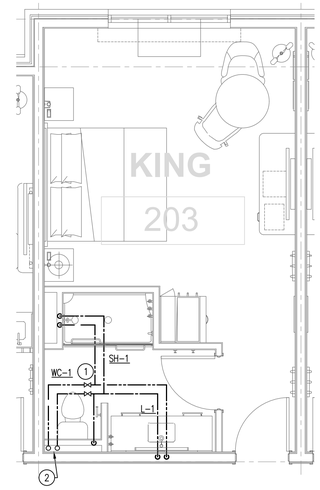
7 P210 WATER SUPPLY
ACCESSIBLE KING STUDIO SUITE
SCALE: 1/4" = 1'-0"



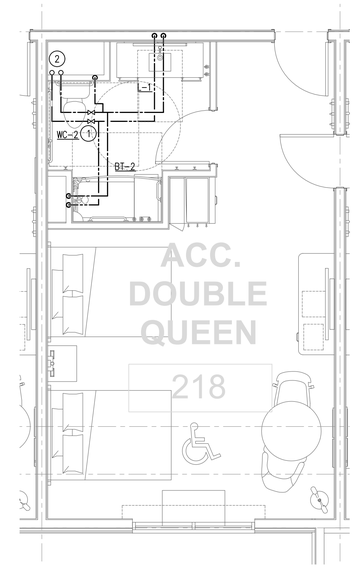
8 P210 WATER SUPPLY
KING STUDIO SUITE
SCALE: 1/4" = 1'-0"



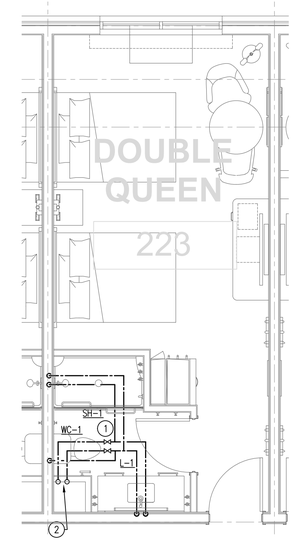
9 P210 WATER SUPPLY
ACCESSIBLE KING
SCALE: 1/4" = 1'-0"



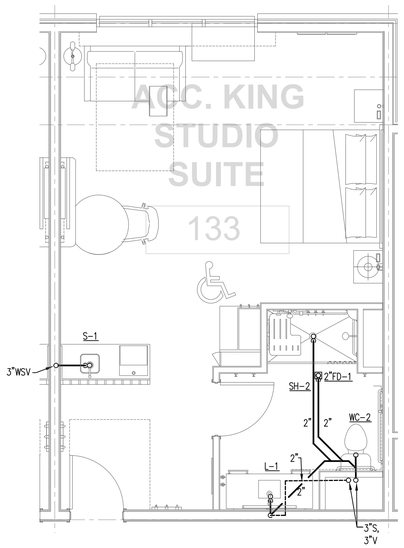
10 P210 WATER SUPPLY
KING
SCALE: 1/4" = 1'-0"



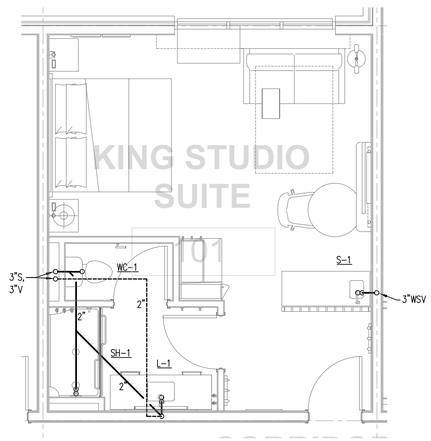
11 P210 WATER SUPPLY
ACCESSIBLE DOUBLE QUEEN
SCALE: 1/4" = 1'-0"



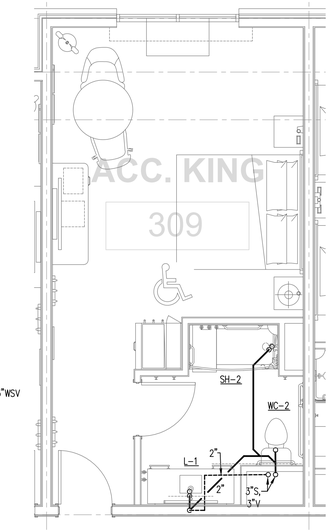
12 P210 WATER SUPPLY
DOUBLE QUEEN
SCALE: 1/4" = 1'-0"



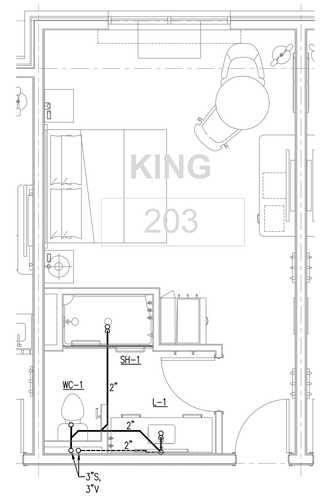
1 P210 WASTE AND VENT
ACCESSIBLE KING STUDIO SUITE
SCALE: 1/4" = 1'-0"



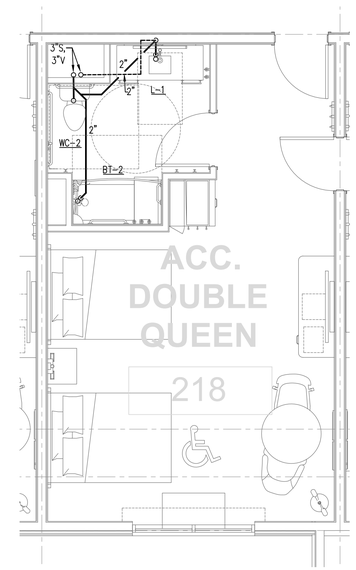
2 P210 WASTE AND VENT
KING STUDIO SUITE
SCALE: 1/4" = 1'-0"



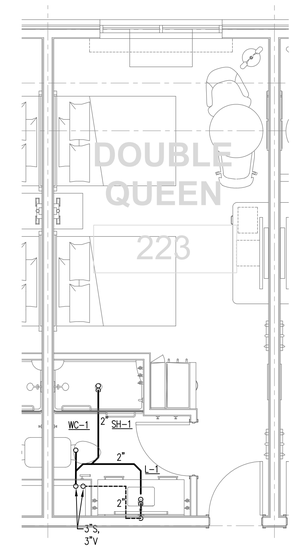
3 P210 WASTE AND VENT
ACCESSIBLE KING
SCALE: 1/4" = 1'-0"



4 P210 WASTE AND VENT
KING
SCALE: 1/4" = 1'-0"



5 P210 WASTE AND VENT
ACCESSIBLE DOUBLE QUEEN
SCALE: 1/4" = 1'-0"



6 P210 WASTE AND VENT
DOUBLE QUEEN
SCALE: 1/4" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED
CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030549 J. DAVID HOOD
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

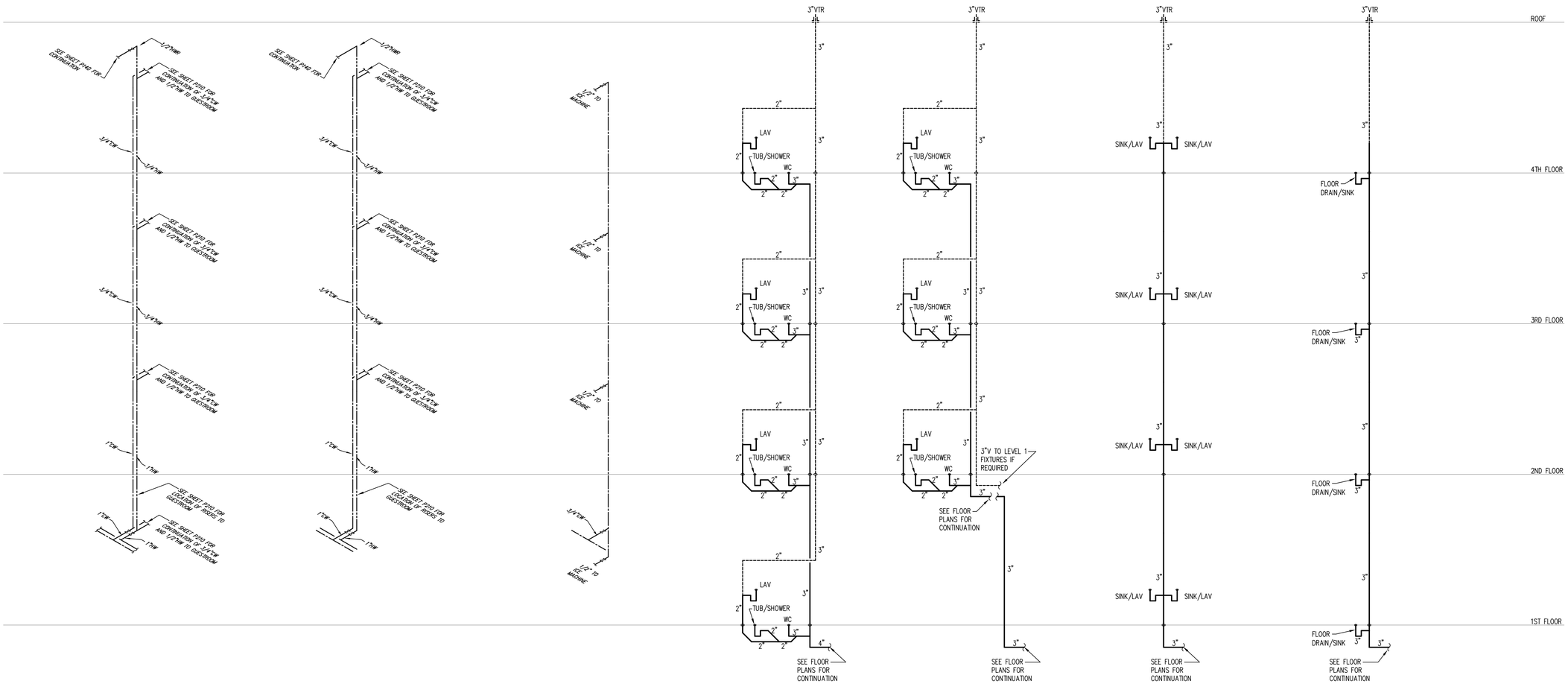
Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: JDH
checked by: CED
project no: 25-104

PLUMBING
GUESTROOM PLANS

P210

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



RISER NOTES:
1. 20 DFU
2. PROVIDE EMERGENCY FLOOR DRAIN CONNECTED DIRECTLY TO WET VENT IN ACCESSIBLE ROOMS, SEE FLOOR PLANS FOR LOCATIONS.

RISER NOTES:
1. 15 DFU
2. PROVIDE EMERGENCY FLOOR DRAIN CONNECTED DIRECTLY TO WET VENT IN ACCESSIBLE ROOMS, SEE FLOOR PLANS FOR LOCATIONS

RISER NOTES:
1. 16 DFU

RISER NOTES:
1. 1.5 DFU

2 P310 **WATER SUPPLY RISER DIAGRAMS**
NOT TO SCALE

1 P310 **WASTE AND VENT RISER DIAGRAMS**
NOT TO SCALE

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030549 J. DAVID HOOD
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: JDH
checked by: CED
project no: 25-104

PLUMBING RISER DIAGRAMS

P310

HVAC GENERAL NOTES

1. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL AND EQUIPMENT IN STRICT ACCORDANCE WITH APPLICABLE CODES AND STANDARDS, AND PER MANUFACTURER'S DIRECTIONS.
2. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY PERMITS, LICENSE, INSPECTIONS, APPROVALS, AND FEES.
3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES BEFORE INSTALLATION OF ANY MATERIALS OR EQUIPMENT.
4. THESE DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL LOCATION AND ARRANGEMENT OF ALL MATERIALS AND EQUIPMENT. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS BUILDING CONSTRUCTION AND ALL OTHER WORK WILL PERMIT.
5. DO NOT SCALE DRAWINGS FOR MEASUREMENTS.
6. ALL DUCT DIMENSIONS SHOWN ARE INTERIOR OPEN AREA DIMENSIONS. CONTRACTOR SHALL ADJUST DUCT SIZE WHEN USING INTERNAL INSULATION IN LIEU OF EXTERNAL WRAP.
7. ALL PENETRATIONS THROUGH EXTERIOR WALLS & ROOF SHALL BE FLASHED & COUNTERFLASHED IN A WATERPROOF MANNER. (COLOR TO MATCH EXTERIOR).
8. SEAL ALL PENETRATIONS OF RATED WALLS WITH FIRE DAMPER, SEALANT MATERIAL APPROVED BY LOCAL CODE.
9. ALL SUSPENDED MATERIALS AND EQUIPMENT SHALL BE INDIVIDUALLY SUPPORTED FROM THE BUILDING STRUCTURE. DO NOT SUSPEND ITEMS FROM THE CEILING OR ITS SUPPORT SYSTEM.
10. INSTALL ALL CONTROL DEVICES, INCLUDING THERMOSTATS AND SWITCHES, 4'–0" ABOVE FINISHED FLOOR. PROVIDE THE REQUIRED DEVICE(S) FOR ALL SYSTEMS WHETHER LOCATED ON THE PLANS OR NOT.
11. LOCATE CEILING DIFFUSERS IN ACCORDANCE WITH ARCHITECTURAL REFLECTED CEILING PLANS (IF PROVIDED).
12. PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCES AROUND MECHANICAL UNITS FOR MAINTENANCE AND FILTER REMOVAL.
13. ALL PIPING AND DUCTWORK LOCATIONS SHALL BE COORDINATED W/ WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS, TO AVOID INTERFERENCE.
14. ALL SUPPLY AND RETURN DUCT SHALL BE INSULATED. CONCEALED SHEET METAL DUCT MAY BE EXTERNALLY INSULATED (MIN. R=6) WITH MINERAL FIBER BOARD OR BLANKET. THE FIRST 15' FROM THE AIR HANDLER SHALL BE INTERNALLY LINED. INTERNALLY LINED INSULATION SHALL BE CLOSED CELL ELASTOMERIC FOAM AND MEET BACTERIOLOGICAL STANDARD ASTM C 665. ALL SPIRAL DUCTWORK SHALL BE DOUBLE WALL. IF CONTRACTOR USES INTERNAL INSULATION, SINGLE WALL DUCTWORK MAY BE USED INSTEAD. ALL MAKE–UP AIR DUCTWORK IN SHAFTS SHALL HAVE 1" WRAP.
15. THE EXTERNAL STATIC PRESSURE FOR ALL FANS, HVAC UNITS, ETC IS BASED ON DUCT ROUTING AS INDICATED ON PLANS. THE MECHANICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DEVIATIONS IN THE FIELD AS AIR QUANTITIES MAY BE AFFECTED.
16. CERTIFIED TEST AND BALANCE CONTRACTOR SHALL BALANCE SYSTEM TO AIR QUANTITIES INDICATED ON PLANS AND PROVIDE OWNER'S REPRESENTATIVE WITH COMPLETE BALANCE REPORT. IF BALANCING DAMPERS ARE NOT PROVIDED IN RETURN DUCTWORK, CONTRACTOR SHALL BALANCE SUPPLY SIDE TO AIR QUANTITIES INDICATED ON PLANS AND SHALL BALANCE OUTSIDE AIR AND RETURN AIR FLOWS AT THE AIR HANDLER TO AIR QUANTITIES INDICATED IN THE SCHEDULE. PROVIDE NEW AIR FILTERS FOR EACH UNIT.
17. AS REQUIRED BY LOCAL CODES, MECHANICAL CONTRACTOR SHALL PROVIDE U.L. LISTED FIRE DAMPERS WHERE REQUIRED FOR FIRE PROTECTION REQUIREMENTS OF THE HVAC SYSTEM & THE UL ASSEMBLY.
18. PROVIDE 1 YEAR WARRANTY ON ALL EQUIPMENT AND 5 YEAR WARRANTY ON ALL COMPRESSORS.
19. ALL INTAKE OPENINGS SHALL BE LOCATED A MINIMUM OF 10'–0" FROM ALL EXHAUST LOCATIONS.
20. CONDENSATE DRAIN PIPING SHALL BE COPPER PIPE AND FITTINGS. DRAINS FROM AIR HANDLING UNITS SHALL BE TRAPPED. CONDENSATE PIPING SHALL BE WRAPPED W/CLOSED–CELL ELASTOMERIC MATERIAL.
21. A COMPLETE SYSTEM OF SEISMIC RESTRAINTS SHALL BE DESIGNED BY MASON INDUSTRIES & SEALED BY THEIR REGISTERED ENGR & INSTALLED BY THIS CONTR. AS REQ'D BY APPLICABLE CODES FOR THE LOCALE OF THIS PROJECT.
22. ALL MAIN DUCTWORK SHALL BE GALVANIZED SHEET METAL CONSTRUCTED IN ACCORDANCE WITH SMACNA STANDARDS. RUNOUTS FROM MAIN/BRANCH DUCTS MAY BE FLEXIBLE DUCT CONFORMING TO THE REQUIREMENTS OF UL 181 FOR CLASS 1 FLEXIBLE AIR DUCTS. MAX 6' FLEX PER RUNOUT.
23. THE MECHANICAL CONTRACTOR SHALL PROVIDE REFRIGERANT AND LOW VOLTAGE CONTROL LINES FROM THE CONDENSER TO THE AIR HANDLING UNIT. COORDINATE ROUTING AND INSTALLATION WITH THE GENERAL CONTRACTOR. SIZE REFRIGERANT LINES PER MANUFACTURER'S REQUIREMENTS.
24. ELECTRICAL CONTRACTOR TO PROVIDE ALL HIGH VOLTAGE ELECTRICAL WIRING, CONDUIT, DISCONNECT SWITCHES, FUSES, ECT. TO SPLIT SYSTEM UNITS. ALL FINAL ELECTRICAL CONNECTIONS ARE BY ELECTRICAL CONTRACTOR.
25. OUTSIDE AIR DUCTWORK SHALL BE WRAPPED WITH 1½" FIBERGLASS DUCT WRAP WITH VAPOR BARRIER.
26. REFRIGERANT PIPING, NOT SHOWN ON PLANS, SHALL BE SIZED & INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, INSTALLATION INSTRUCTIONS AND LOCAL CODES.
27. MECHANICAL CONTRACTOR SHALL VERIFY LOCATION OF ALL PENETRATIONS FOR RELIEF HOODS, OUTSIDE AIR HOODS, LOUVERS, AND WALL CAPS WITH ARCHITECT & OWNER PRIOR TO INSTALLATION.
28. MECHANICAL CONTRACTOR SHALL PAINT ALL RELIEF HOODS, INTAKE HOODS, LOUVERS, AND VENT CAPS. CONFIRM COLOR WITH ARCHITECT & OWNER PRIOR TO INSTALLATION.
29. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE SHOP DRAWINGS ARE PROVIDED TO THE ARCHITECT AND ENGINEER FOR APPROVAL PRIOR TO PURCHASE OF ANY PIECE OF EQUIPMENT, DUCTWORK OR DEVICE.
30. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD A MINIMUM OF TEN BUSINESS DAYS IN ADVANCE FOR COMPLETION OF FIELD INSPECTION FOR APPENDIX C1 OF THE LATEST NC ENERGY CODE, IF REQUIRED.
31. PROVIDE FOIL–FACED FIBERGLASS INSULATION OR CLOSED–CELL ELASTOMERIC INSULATION AT ALL INDOOR AIR HANDLING UNITS.
32. PROVIDE SCREEN AROUND ALL ROOFTOP AND GROUND MOUNTED HVAC EQUIPMENT TO HIDE FROM VIEW.
33. LOUVERS SHALL BE KYNAR PAINTED ALUMINUM W/ STORM PROOF AND DRAINABLE BLADES IN A COLOR THAT MATCHES W/ EXTERIOR COLOR SCHEME.
34. PROVIDE UV PROTECTION COATING/COVERING ON ALL ELASTOMERIC PIPE INSULATION WHERE EXPOSED TO SUNLIGHT.
35. PROVIDE MERV–8 PREFILTERS AND MERV–13 FINAL FILTERS AT ALL AIR HANDLING UNITS. ALL FILTERS TO HAVE SYNTHETIC FRAMES. CARDBOARD FRAMES ARE NOT ACCEPTABLE.

HEATING VENTILATING AND AIR CONDITIONING

GENERAL

A. QUALIFICATIONS OF INSTALLERS: ALL WORK SHALL BE PERFORMED BY THOROUGHLY TRAINED AND EXPERIENCED WORKMEN COMPLETELY FAMILIAR WITH THE ITEMS REQUIRED AND WITH MANUFACTURER'S RECOMMENDED METHODS AND PROCEDURES.
B. CODES: ALL WORK SHALL COMPLY WITH APPLICABLE STATE AND LOCAL CODES. ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST SMACNA DUCT MANUAL.
C. ELECTRICAL: ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED AND APPROVED. ELECTRICAL CONTRACTOR TO PROVIDE ALL HIGH VOLTAGE ELECTRICAL WIRING, CONDUIT, DISCONNECT SWITCHES, FUSES, ETC. TO HVAC EQUIPMENT. ALL FINAL ELECTRICAL CONNECTIONS ARE BY ELECTRICAL CONTRACTOR.
D. RECORD DRAWINGS: CONTRACTOR SHALL MAINTAIN AN ACCURATE RECORD OF ALL AS–BUILT CONDITIONS DURING THE PROGRESS OF THE WORK AND TURN THEM OVER TO THE OWNER AT COMPLETION.
E. OPERATING MANUALS: CONTRACTOR SHALL FURNISH OWNER WITH 3 SETS OF INSTALLATION, OPERATION AND MAINTENANCE MANUALS WITHIN 15 CALENDAR DAYS OF ACCEPTANCE OF THE SYSTEM.
F. GUARANTEE: PROVIDE ONE YEAR GUARANTEE ON ALL MATERIALS, EQUIPMENT AND WORK PERFORMED, BEGINNING ON THE DAY THE SYSTEM IS COMPLETELY OPERATIONAL AND ACCEPTABLE BY THE OWNER. PROVIDE 5 YEAR GUARANTEE ON ALL COMPRESSORS.
G. CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY PERMITS, LICENSES, INSPECTIONS, APPROVALS, FEES, ETC REQUIRED BY STATE, MUNICIPAL AND LOCAL CODES.
H. DRAWINGS SHOW GENERAL ARRANGEMENT OF EQUIPMENT AND SYSTEMS AND SHOULD BE FOLLOWED AS CLOSE AS PRACTICAL. CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS PRIOR TO STARTING WORK AND PROVIDE ALL NECESSARY OFFSETS, BENDS, ETC. REQUIRED TO PROVIDE A COMPLETE PROJECT WITH NO EXTRA CHARGES TO THE CONTRACT. DO NOT SCALE DRAWINGS FOR MEASUREMENTS. SEE ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS (IF PROVIDED) FOR EXACT LOCATIONS OF DOORS, WINDOWS, CEILING DIFFUSERS, ETC. COORDINATE LOCATION AND TYPE OF AIR DISTRIBUTION WITH ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO STARTING WORK.

PRODUCTS

EQUIPMENT

A. ALL EQUIPMENT SHALL BE OF THE CAPACITY AND TYPES SHOWN ON THE EQUIPMENT SCHEDULES AND SHALL BE THE LISTED MANUFACTURER AND MODEL NUMBER. CONTRACTOR MAY BID "OR EQUAL" EQUIPMENT AT HIS OWN RISK. ENGINEER WILL BE THE SOLE JUDGE WHETHER EQUIPMENT IS "EQUAL" TO THAT SPECIFIED. IF DETERMINED TO NOT BE EQUAL, CONTRACTOR WILL FURNISH EQUIPMENT SCHEDULED AT NO EXPENSE TO THE OWNER.
B. THE MECHANICAL CONTRACTOR SHALL PROVIDE LOW VOLTAGE CONTROL LINES TO THE HVAC EQUIPMENT. COORDINATE ROUTING AND INSTALLATION WITH THE GENERAL CONTRACTOR.

DUCTWORK

A. CONSTRUCT METAL DUCTWORK IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION MANUAL INCLUDING REQUIRED THICKNESS, BRACING, JOINTS AND FITTINGS AS APPLICABLE. ALL METAL DUCT SHALL BE EITHER ASTM A653 GALVANIZED STEEL OR ASTM B209 ALUMINUM. ALL SUPPLY AND EXHAUST DUCTS SHALL COMPLY WITH SMACNA DUCT CONSTRUCTION STANDARDS FOR PRESSURE CLASS 1"W.G. AND LEAKAGE CLASS 6 CFM/100 S.F. ALL RETURN AND OUTSIDE AIR DUCTS SHALL COMPLY WITH SMACNA PRESSURE CLASS 1"WG AND LEAKAGE CLASS 6CFM/100S.F.
B. PROVIDE SPLITTER DAMPERS OR VOLUME DAMPERS WHERE REQUIRED FOR PROPER BALANCING OF THE SYSTEM.
C. INSTALL FLEXIBLE CONNECTIONS BETWEEN HVAC UNITS, FANS AND DUCTWORK.
D. INSTALL TURNING VANES AT ALL TEES & ELBOWS.
E. ALL DUCT DIMENSIONS GIVEN ARE INSIDE CLEAR DIMENSIONS.
F. THE FIRST 15' FROM THE EQUIPMENT SHALL BE INTERNALLY LINED.
G. RUNOUTS FROM MAIN/BRANCH DUCTS MAY BE FLEXIBLE DUCT CONFORMING TO THE REQUIREMENTS OF UL 181 FOR CLASS 1 FLEXIBLE AIR DUCTS. REFER TO SMACNA STANDARDS, SECTION III FOR INSTALLATION OF FLEXIBLE DUCTS. DUCTS SHALL BE CONTINUOUS, SINGLE PIECES NOT OVER 6 FEET LONG, AS STRAIGHT AND SHORT AS FEASIBLE, FORMALDEHYDE–FREE, AND ADEQUATELY SUPPORTED PER SMACNA STANDARDS. CENTERLINE RADIUS OF BENDS SHALL BE NOT LESS THAN TWO DUCT DIAMETERS. MAKE CONNECTIONS WITH CLAMPS AS RECOMMENDED BY SMACNA. CLAMP PER SMACNA S3.33 AND S3.34 WITH ONE CLAMP ON THE CORE DUCT AND ONE ON THE INSULATION JACKET. FLEXIBLE DUCTS SHALL NOT PENETRATE FLOORS, OR ANY CHASE OR PARTITION DESIGNATED AS A FIRE OR SMOKE BARRIER, INCLUDING CORRIDOR PARTITIONS FIRE RATED ONE HOUR OR TWO HOUR. PROVIDE JM QUIET FLEX OR EQUAL.
H. ALL SUPPLY AND RETURN DUCT SHALL BE INSULATED PER SECTION 403.2.9 OF THE LATEST LOCAL ENERGY CODE. CONCEALED SHEET METAL DUCT MAY BE EXTERNALLY INSULATED WITH MINERAL FIBER BOARD OR BLANKET OR MAY BE INTERNALLY INSULATED WITH DUCT LINER (R–VALUE = 6 MINIMUM). ALL RECTANGULAR SUPPLY AND RETURN DUCTWORK SHALL BE LINED WITH A MINIMUM OF 1" THICK DUCT LINER OR WRAPPED WITH A MINIMUM OF 1" THICK DUCT WRAP WITH VAPOR BARRIER. ROUND DUCTWORK SHALL BE WRAPPED WITH A MINIMUM OF 1" THICK DUCT WRAP WITH VAPOR BARRIER. INTERNALLY LINED INSULATION SHALL MEET BACTERIOLOGICAL STANDARD ASTM C 665.
I. EXPOSED SPIRAL DUCTWORK SHALL BE LINED WITH A MINIMUM OF 1" THICK DUCT LINER WITH BLACK ACRYLIC POLYMER SURFACE TOWARD AIR STREAM OR SHALL BE DOUBLE WALL DUCT. R–VALUE = 6 MINIMUM.
J. EXTERIOR DUCTS SHALL BE INSULATED WITH 2" THICK RIGID EXTERNAL FIBERGLASS INSULATION IN ADDITION TO 1" THICK DUCT LINER (R=8 MIN) MECHANICALLY FASTENED @ 12" O.C. MAX, ALL VOIDS IN INSULATION JOINTS WILL BE CHINKED AND TAPED WITH FSK TAPE. DUCT SHALL BE FINISHED WITH .032 STUCCO EMBOSSED ALUMINUM SHEET FASTENED WITH #8 STAINLESS STEEL TEK SCREWS. DUCTS OVER "18" WILL REQUIRE A SCREW STRIP IMPALED OVER MECHANICAL FASTENERS. ALL JOINTS AND LAPS IN ALUMINUM SHALL BE INSTALLED TO SHED WATER AND PROPERLY CAULKED TO AVOID WATER INFILTRATION. THERE SHALL BE NO METAL JOINTS ON THE TOP OF DUCT. FINISHED METAL SHALL HAVE A SMOOTH APPEARANCE WITH A MINIMUM NUMBER OF LAPS.

INSULATION

DUCT – EXTERNAL

FLEXIBLE GLASS FIBER; MINIMUM 1½" THICK, ANSI/ASTM C553, TYPE 1; COMMERCIAL GRADE; 1.0 PCF; 'K' VALUE OF 0.29 BTU–IN./HR. FT2–F AT 75 DEGREES F. CERTAINTEED STANDARD DUCT WRAP WITH FSK FACING, OR EQUAL. FACING SHALL HAVE MAXIMUM VAPOR TRANSMISSION RATE OF 0.02 PERMS. ADHESIVES: WATERPROOF FIRE RETARDANT TYPE. LAGGING ADHESIVE: FIRE RESISTIVE TO ASTM E84. IMPALE ANCHORS: GALVANIZED STEEL, 12 GAGE, SELF–ADHESIVE PAD OR WELDED PINS. JOINT TAPE: GLASS FIBER CLOTH, OPEN MESH. R=6 MINIMUM. JM MICROLITE XG OR EQUAL.

DUCT – INTERNAL

INTERNAL INSULATION SHALL BE CLOSED–CELL ELASTOMERIC. FIBERGLASS DUCT LINER IS NOT ALLOWED. MINIMUM 1" THICK, 2# DENSITY MEETING FS HH–1–545 TYPE II AND NFPA 90–A. APPLY FLAME–RETARDENT BLACK PLASTIC COATING ON AIR SIDE SURFACE. APPLY INSULATION WITH EC–1128 ON INSIDE SURFACE OF CLEAN DUCT. FIRMLY BUTT ALL JOINTS AND SEAL WITH ADHESIVE TO FORM CONTINUOUS SMOOTH SEALED LINER. INSTALL STICK–CLIPS OR WELD–PINS @ 12" ON CENTER EACH WAY IN ADDITION TO ADHESIVE. INCREASE DUCT SIZE AS NECESSARY TO PROVIDE CLEAR AIR STREAM AS INDICATED ON DRAWINGS. R–VALUE = 6 MINIMUM. JM LINACOUSTIC RC OR EQUAL.

FOR EXPOSED DUCTWORK

MINIMUM 1" THICK, R–VALUE = 5 MINIMUM AT 75 DEGREES F. JM SPIRACOUSTIC PLUS OR EQUAL. DOUBLE WALL DUCT MAY ALSO BE PROVIDED.

FOR AIR HANDLERS

PROVIDE FOIL–FACED FIBERGLASS INSULATION OR CLOSED–CELL ELASTOMERIC INSULATION AT ALL INDOOR AIR HANDLING UNITS.

PIPE INSULATION

PROVIDE UV PROTECTIVE COATING/COVERING ON ALL ELASTOMERIC PIPE INSULATION WHERE EXPOSED TO SUNLIGHT.

EXECUTION

INSTALLATION

A. COORDINATE AND AVOID INTERFERENCE WITH STRUCTURE AND WITH WORK OF OTHER TRADES. PRESERVE ADEQUATE HEAD ROOM AND SERVICE ROOM. PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCES AROUND MECHANICAL EQUIPMENT FOR MAINTENANCE, PERFORMANCE, AND FILTER/COIL REMOVAL. THE M.C. SHALL COORDINATE THE REQUIRED OPENINGS IN ROOF STRUCTURE WITH THE G.C. IN ORDER TO PROVIDE ADEQUATE SPACE, ACCESS AND SUPPORT FOR THE MECHANICAL UNIT. SERVICE REQUIREMENTS FOR ANY EQUIPMENT SHALL COMPLY WITH ALL CODES AND AUTHORITY HAVING JURISDICTION. PROVIDE ALL NECESSARY ACCESS PANELS, PLATFORMS, HANDRAILS, ETC. AS REQUIRED BY STATE AND LOCAL CODES. ALL SUSPENDED MATERIALS AND EQUIPMENT SHALL BE INDIVIDUALLY SUPPORTED FROM THE BUILDING STRUCTURE. DO NOT SUSPEND ITEMS FROM THE CEILING OR ITS SUPPORT SYSTEM.
B. VERIFY LOCATION OF ROOF AND WALL PENETRATIONS FOR RELIEF AND OUTSIDE AIR OPENINGS WITH ARCHITECT, STRUCTURAL, AND OWNER PRIOR TO INSTALLATION. ALL PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE FLASHED AND COUNTERFLASHED IN A WATERPROOF, CODE APPROVED MANNER. COORDINATE COLOR, LOCATION, AND ELEVATION WITH ARCHITECT/OWNER PRIOR TO STARTING WORK FOR ALL EQUIPMENT LOCATED ON ROOF AND EXTERIOR WALL. RELIEF AND INTAKE OPENINGS SHALL MAINTAIN A MINIMUM OF 10' FROM EACH OTHER.
C. ALL CUTTING AND PATCHING OF WALLS, FLOORS, AND ROOF WHICH ARE NECESSARY FOR THE MECHANICAL SYSTEM IN THE BUILDING SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. IT IS THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE SIZES AND LOCATION OF ALL OPENINGS WITH THE GENERAL CONTRACTOR.
D. AS REQUIRED BY LOCAL CODES AND AUTHORITY HAVING JURISDICTION, MECHANICAL CONTRACTOR SHALL PROVIDE U.L. LISTED DYNAMIC FIRE DAMPERS AND/OR SEAL ALL PENETRATIONS OF RATED WALLS WHERE REQUIRED FOR FIRE PROTECTION REQUIREMENTS OF THE HVAC SYSTEM & THE UL ASSEMBLY. WHETHER SHOWN ON THE PLANS OR NOT. PENETRATIONS OF RATED WALLS, PARTITIONS AND FLOORS OF NON–COMBUSTIBLE CONSTRUCTION SHALL BE FIRESTOPPED WITH NONCOMBUSTIBLE MATERIALS. PENETRATIONS OF NONRATED WALLS, PARTITIONS AND FLOOR OF COMBUSTIBLE CONSTRUCTION SHALL BE FIRESTOPPED WITH MATERIALS EQUIVALENT TO TWO INCHES OF WOOD. FIRESTOPPING SHALL COMPLY WITH ASTM E–814. M.C. SHALL COORDINATE CLOSELY WITH ARCHITECT PLANS.
E. WHEN OBSTRUCTIONS REQUIRE A CHANGE IN THE DUCT SHAPE, MAINTAIN THE EQUIVALENT AREA AND PRESSURE DROP OF ORIGINAL DUCT. WHEN CHANGING FROM RECTANGULAR TO EXPOSED ROUND OR OVAL DUCT, M.C. SHALL MAINTAIN A MAXIMUM VELOCITY OF 700 FPM. ALL SIZES SHOWN ARE NET INSIDE DIMENSIONS OF CLEAR AIRSTREAM. MAKE ALL DUCT ELBOWS RIGHT ANGLES WITH ELBOW TURNS OR TURNING BLADES OR CONSTRUCT WITH A RADIUS OF 1.5 TIMES THE DUCT WIDTH. INSTALL FLAT BRAIDED WIRE GROUND STRAP ACROSS FLEXIBLE CONNECTS AT AHU'S AND DUCTS. SECURELY ANCHOR ALL GRILLES, REGISTERS AND DIFFUSERS AND SEAL WITH RUBBER GASKETS TO PREVENT LEAKAGE.
F. THOROUGHLY CLEAN ALL DUCTS, EQUIPMENT, PARTS, ETC. FREE FROM ALL DIRT, GREASE, OIL AND FOREIGN SUBSTANCES.
G. DO NOT CLOSE–IN ANY WORK UNTIL IT HAS BEEN INSPECTED, TESTED AND APPROVED BY AUTHORITIES HAVING JURISDICTION.
H. PROVIDE SCREEN AROUND ALL ROOFTOP AND GROUND MOUNTED HVAC EQUIPMENT TO HIDE FROM VIEW.
I. LOUVERS SHALL BE KYNAR PAINTED ALUMINUM W/ STORM PROOF AND DRAINABLE BLADES IN A COLOR THAT MATCHES W/ EXTERIOR COLOR SCHEME.
J. PROVIDE MERV–13 FILTERS FOR ALL AIR HANDLING UNITS WHICH SERVE MULTI–OCCUPANT SPACES, EXCEPT GUEST ROOM UNITS.

TEST AND ADJUSTING

A. PROVIDE ALL NECESSARY PERSONNEL, EQUIPMENT AND SERVICES NECESSARY TO DEMONSTRATE INTEGRITY OF THE COMPLETE INSTALLATION. ALL WORK SHALL BE IN ACCORDANCE WITH AABC STANDARDS.
B. PROVIDE AN INDEPENDENT TEST AND BALANCE REPORT BY A CERTIFIED TEST AND BALANCE CONTRACTOR. TEST AND REGULATE ALL COMPONENTS TO CONFORM TO QUANTITIES SHOWN ON THE DRAWINGS. PROVIDE LARGER OR SMALLER PULLEYS AS REQUIRED AT NO ADDITIONAL COST. PROVIDE NEW AIR FILTERS FOR EQUIPMENT. FOR EACH SYSTEM SUBMIT AS A MINIMUM THE FOLLOWING:
   1. AIR VOLUMES AT EACH SUPPLY, RETURN, AND EXHAUST OUTLET.
   2. AIR TEMPERATURES AT HVAC UNIT, LEAVING AND RETURNING.
   3. AIR VOLUMES AND STATIC PRESSURE SUPPLIED, RETURNED, OR EXHAUSTED BY EACH FAN, INCLUDING AT HVAC UNIT.
   4. MOTOR SPEED, FAN SPEED, AND AMP READING FOR EACH FAN.
   5. AVERAGE VELOCITY ON INTAKE OF EACH FAN.
   6. AVERAGE VELOCITY, EAT, LAT, AND PRESSURE DROP ACROSS EACH COIL.
   7. WATER GPM AT EACH PUMP, PUMP PRESSURES, BALANCE VALVE POSITION, MOTOR AMPS.
   8. WATER GPM AT EACH COIL, BALANCE VALVE POSITION, PRESSURE DROP ACROSS COIL.
C. IF BALANCING DAMPERS ARE NOT PROVIDED IN RETURN DUCTWORK, CONTRACTOR SHALL BALANCE SUPPLY SIDE TO AIR QUANTITIES INDICATED ON PLANS AND SHALL BALANCE OUTSIDE AIR AND RETURN AIR FLOWS AT THE EQUIPMENT TO AIR QUANTITIES INDICATED IN THE SCHEDULE.
D. IF CONTRACTOR'S INDEPENDENT TAB SUBCONTRACTOR FAILS TO PERFORM THE ABOVE TESTS TO THE SATISFACTION OF THE ENGINEER, THE ENGINEER MAY RETAIN THE SERVICES OF AN OUTSIDE CONSULTANT TO PERFORM SAID SERVICES AT THE SOLE EXPENSE OF THE CONTRACTOR AND WITHOUT ANY EXPENSE TO THE OWNER.
E. UPON COMPLETION OF ALL WORK AND BALANCING, THOROUGHLY TRAIN AND INSTRUCT OWNER'S PERSONNEL IN ALL ASPECTS OF THE OPERATION AND MAINTENANCE OF THE INSTALLED SYSTEMS.

SEISMIC

A COMPLETE SYSTEM OF SEISMIC RESTRAINTS SHALL BE DESIGNED BY MASON INDUSTRIES AND SEALED BY THEIR REGISTERED ENGINEER AND INSTALLED BY THIS CONTRACTOR AS REQUIRED BY APPLICABLE CODES FOR THE LOCALE OF THIS PROJECT.

GENERAL CONDITIONS

AIA DOCUMENT A201 "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION" (LATEST VERSION) IS HEREBY MADE A PART OF THESE DOCUMENTS.

REFRIGERANT PIPING:

A. REFRIGERANT PIPING:
   1. MEET REQUIREMENTS OF ASTM B 280, HARD DRAWN STRAIGHT LENGTHS. SOFT COPPER TUBING NOT PERMITTED.
   2. DO NOT USE PRE–CHARGED REFRIGERANT LINES.
B. CONNECTION MATERIAL:
   1. BRAZING RODS IN ACCORDANCE WITH ANSI / AWS A5.8:
      a. COPPER TO COPPER CONNECTIONS:
         1) CLASSIFICATION BCUP–4 COPPER PHOSPHORUS (6 PERCENT SILVER).
         2) CLASSIFICATION BCUP–5 COPPER PHOSPHORUS (15 PERCENT SILVER).
      b. COPPER TO BRASS OR COPPER TO STEEL CONNECTIONS: CLASSIFICATION BAG–5 SILVER (45 PERCENT SILVER).
      c. DO NOT USE RODS CONTAINING CADMIUM.
C. VALVES:
   1. EXPANSION VALVES:
      a. FOR PRESSURE TYPE DISTRIBUTORS, EXTERNALLY EQUALIZED WITH STAINLESS STEEL DIAPHRAGM, AND SAME REFRIGERANT IN THERMOSTATIC ELEMENTS AS IN SYSTEM.
      b. SIZE VALVES TO PROVIDE FULL RATED CAPACITY OF COOLING COIL SERVED. COORDINATE SELECTION WITH EVAPORATOR COIL AND CONDENSING UNIT.
D. SIGHT GLASS:
   1. COMBINATION MOISTURE AND LIQUID INDICATOR WITH PROTECTION CAP.
   2. SIGHT GLASS SHALL BE FULL LINE SIZE.
   3. SIGHT GLASS CONNECTIONS AND SIGHT GLASS BODY SHALL BE SOLID COPPER OR BRASS, NO COPPER–COATED STEEL SIGHT GLASSES ALLOWED.
E. PIPE CLAMPS:
   a. ACCEPTABLE MANUFACTURERS:
      1) HYDRA–ZORB.
      2) ZSI CUSH–A–CLAMP.
      3) HILTI CUSH–A–CLAMP.
F. INSULATION – 1" ARMAFLEX. EXTERIOR SHALL BE COVERED WITH CHILDERS ALUMINUM JACKET FASTENED WITH ALUMINUM BANDS @ 12" O.C. OR USE ARMTUFF PLUS WITH 10 YEAR MEMBRANE BREAK–DOWN WARRANTY DUE TO ULTRAVIOLET LIGHT.
G. PROVIDE UV PROTECTIVE COATING/COVERING ON ALL ELASTOMERIC PIPE INSULATION WHERE EXPOSED TO SUNLIGHT.
H. PIPE HANGERS AND SUPPORTS – INSTALL IN ACCORDANCE WITH ASME B31.5

REFRIGERANT PIPING

1. REFRIGERANT PIPING SHALL BE PROTECTED BY LOCATING IT WITHIN THE BUILDING ELEMENTS OR WITHIN PROTECTIVE ENCLOSURES.
2. REFRIGERANT PIPING LOCATED IN AREAS OTHER THAN THE ROOM OR WHERE THE REFRIGERANT EQUIPMENT IS LOCATED AND IDENTIFIED, THE PIPE IDENTIFICATION SHALL BE LOCATED AT INTERVALS NOT EXCEEDING 20 FEET ON THE REFRIGERANT PIPING OR PIPE INSULATION. THE MINIMUM HEIGHT OF LETTERING OF THE IDENTIFICATION LABEL SHALL BE ½ INCH. THE IDENTIFICATION SHALL INDICATED THE REFRIGERANT DESIGNATION AND THE SAFETY GROUP CLASSIFICATION OF REFRIGERANT USED IN THE PIPING SYSTEM. FOR GROUP A2L AND B2L REFRIGERANTS, THE IDENTIFICATION SHALL ALSO INCLUDE THE FOLLOWING STATEMENTS: "WARNING – RISK OF FIR. FLAMMABLE REFRIGERANT". FOR GROUP A2,A3, B2 AND B3 REFRIGERANT, THE IDENTIFICATION SHALL ALSO INCLUDE THE FOLLOWING STATEMENT: "DANGER–RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT". FOR ANY GROUP B REFRIGERANT, THE IDENTIFICATION SHALL ALSO INCLUDE THE FOLLOWING STATEMENT: "DANGER – TOXIC REFRIGERANT".
3. THE ANNULAR SPACE BETWEEN THE OUTSIDE OF A REFRIGERANT PIPE AND THE INSIDE OF A PIPE SLEEVE OR OPENING IN A BUILDING ENVELOPE WALL, FLOOR OR CEILING ASSEMBLY PENETRATION BY A REFRIGERANT SHALL BE SEALED IN AN APPROVED MANNER WITH CAULKING MATERIAL OR FOAM SEALANT OR CLOSED WITH A GASKETING SYSTEM. THE CAULKING MATERIAL, FOAM SEALANT OR GASKETING SYSTEM SHALL BE SPECIFIC FOR THE CONDITIONS AT THE PENETRATION LOCATION AND SHALL BE COMPATIBLE WITH THE PIPE SLEEVE AND BUILDING MATERIAL IN CONTACT WITH THE SEALING MATERIAL. REFRIGERANT PIPES PENETRATING THE FIRE–RESISTANT–RATED ASSEMBLIES OR MEMBRANES OF THE FIRE–RESISTANT–RATED ASSEMBLIES SHALL BE SEATED OR CLOSED IN ACCORDANCE WITH SECTION 714 OF THE INTERNATIONAL BUILDING CODE.
4. PIPING SYSTEMS USING GROUP A2L, A2, A3, OR B2L, B3 OR B3 SHALL COMPLY WITH ALL REQUIREMENTS OF SECTIONS 1109.3.3 AND 1109.3.2
5. FOR ANY REFRIGERANT SYSTEM CONTAINING MORE THAN 6.6 POUNDS OF REFRIGERANT, STOP VALVES SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS:
   A. THE SUCTION INLET OF EACH COMPRESSOR, COMPRESSOR UNIT OR CONDENSING UNIT
   B. THE DISCHARGE OUTLET OF EACH COMPRESSOR, COMPRESSOR UNIT OR CONDENSING UNIT
   C. THE OUTLET OF EACH LIQUID RECEIVER..
6. REFRIGERANT SYSTEM COMPONENTS AND REFRIGERANT PIPING SHALL BE TESTED IN ACCORDANCE WITH ASME B31.5. SEPARATE TESTS FOR ISOLATED SYSTEMS ARE PERMITTED PROVIDED THAT ALL REQUIRED PORTIONS ARE TESTED AT LEAST ONCE. PRESSURIZED WITH TEST GAS FOR A MIN OF 10 MINUTES TO NOT LESS THAN THE LOWER OF THE LOWEST DESIGN PRESSURE FOR ANY SYSTEM COMPONENT., OR THE LOWEST VALUE OF SET PRESSURE FOR ANY PRESSURE RELIEF DEVICE IN THE SYSTEM. THE DESIGN PRESSURES FOR DETERMINATION OF TEST PRESSURES SHALL BE THE PRESSURE IDENTIFIED ON THE LABEL NAMEPLATE OF THE CONDENSING UNIT, COMPRESSOR, COMPRESSOR UNIT, PRESSURE VESSEL, OR OTHER SYSTEM COMPONENT WITH A NAMEPLATE. A PASSING TEST RESULT SHALL HAVE NO RUPTURE OR STRUCTURAL FAILURE OF ANY SYSTEM COMPONENT

100% OUTSIDE AIR UNITS

Mark	CFM	ESP (in)	Ent Air DB	Ent Air WB	Stages	Lvg Air DB	Lvg Air WB	Heating Capacity (MBH) Input	Heating Capacity (MBH) Output	Heating Air Temp Ent	Heating Air Temp Lvg	Supply Fan HP	Supply Fan FRPM	Electric Data Voltage	Electric Data Comp RLA	Electric Data Evap Fan FLA	Electric Data Cond Fan FLA	Electric Data MCA	Electric Data Max Fuse	Weight (Lbs)	Standard of Performance
DOAS-1	5500	1.00	83.40	79.10	MOD	49.70	49.50	600.00	486.00	17.30	98.90	3	1073	208/3	(2)32.3,(2)31.8	10.6	6 x 3.4	167	175	6500	AAON RNA-040-D-A-8-GAAOB-CB2L0
DOAS-2	4300	1.00	83.40	79.10	MOD	55.70	55.50	405.00	328.10	17.30	88.20	3	1263	208/3	44.9;46.5	10.6	3 x 3.4	124	150	4000 w/curb	AAON RNA-030-C-A-8-GAAOC-CB2L0

Remarks:
1. Factory assembled, piped, wired and tested as a single package
2. R-454B
3. Units shall include 100% outside air hoods with 2 position motorized damper
4. Units shall include MINIMUM two refrigerant circuits, one modulating and one2-step compressors with interlaced-cireuit DX coils. Single circuit units not acceptable
5. Units shall include minimum 10:1 turndown modulating natural gas heating with 304 series stainless steel heat exchanger with a 25 year warranty (parts only)
6. Units shall include MODULATING hot gas reheat coils for dehumidification (2-position or dedicated heat pump cireuit not acceptable)
7. Units shall include stainless steel drain pan
8. Units shall include manual reset high pressure switches & auto reset low pressure switches
9. Units shall include modulating condenser fan motors for head pressure control
10. Units shall include MERV 13 filters . Provide metal screen on leaving side of filter rack OR two sets of fully synthetic plastic frame filter media to prevent dirty filter collapse onto coil
11. Controls: AAON VCCX-454 controller with ambient dewpoint sensor; electronic sequencing of compressors and heating and modulating hot gas re-heating.
    The intention of this unit is to provide continuous dehumidification of outside air while also providing temperature control to the space it serves
    If this causes overcooling in the space, the modulating hot gas reheat valve shall open to satisfy the conditioned space requirement
    Field mounted controls shall include a duct mounted leaving air stat and a wall mounted stat (see plans for location)
    All unit mounted controls for complete operation shall be installed by the equipment manufacturer
12. 2" foam injected insulated (minimum R13 value) doublewall cabinet construction and insulated base
13. Units shall include integral non-fused disconnect
14. Units shall include remote safety shutdown terminals
15. Phase protection
16. Exterior cabinet paint finish shall be capable of withstanding at least 2,500 hours, with no visible corrosive effects, when tested in a salt spray and fog atmosphere in accordance with ASTM B 117-95 test procedure. Unpainted cabinet not acceptable
17. Duct mounted smoke detectors provided by electrical, installed by mechanical
18. Units shall include a factory assembled and insulated roof curb. Height TBD
19. Unit shall be AHRI Listed and Certified (Coil only certification is not acceptable)
20. Compressors shall have 5 year warranty (parts only)
21. Contact Grant Gorham for additional information 901-345-6100, ggorham@etairoshvac.com

FAN SCHEDULE

SYMBOL	# OF FANS	TYPE	CFM	APPROX. S.P.	DRIVE	RPM	ELECTRICAL DATA WATTS	H.P.	VOLTAGE	MANUFACTURER GREENHECK	CONTROL	ACCESSORIES
EF-1	108	EXHAUST	45	0.2	DIRECT	596	45	–	120V/1ø	SP-B70	B	1 2 5 6 10 13 14
EF-2	4	EXHAUST	200	0.35	DIRECT	934	172	–	120V/1ø	SP-B200	E	1 2 5 6 8 10 13
EF-3	3	EXHAUST	100	0.35	DIRECT	697	150	–	120V/1ø	SP-B150	D	1 2 5 6 8 10 13
EF-4	14	EXHAUST	100	0.35	DIRECT	697	150	–	120V/1ø	SP-B150	E	1 2 5 6 8 10 13
EF-5	2	EXHAUST	225	0.35	DIRECT	984	83	–	120V/1ø	SP-A250	E	1 2 5 6 8 10 13
EF-6	1	EXHAUST	200	0.35	DIRECT	934	172	–	120V/1ø	SP-B200	A	1 2 5 6 8 10 13
EF-7	1	EXHAUST	210	0.35	DIRECT	934	172	–	120V/1ø	SP-B200	D	1 2 5 6 8 10 13
EF-8	1	EXHAUST	150	0.35	DIRECT	930	150	–	120V/1ø	SP-B150	E	1 2 5 6 8 10 13
EF-9	1	EXHAUST	135	0.4	DIRECT	1171	–	1/4	120V/1ø	USF-04-B6	E	1 2 3 4 5
EF-10	4	EXHAUST	270	0.4	DIRECT	1036	–	1/4	120V/1ø	USF-06-B7	E	1 2 3 4 5
EF-11	1	EXHAUST	175	0.35	DIRECT	934	172	–	120V/1ø	SP-B200	E	1 2 5 6 8 10 13

ACCESSORIES
1: DISCONNECT BY E.C.
2: BACKDRAFT DAMPER
3: PREFAB. ROOF CURB
4: BIRDSCREEN
5: SPEED CONTROLLER
6: HANGING BRACKETS WITH VIBRATION ISOLATION
7: DISCHARGE HOOD
8: WL, WALL LOUVER DISCHARGE
9: MFG ROOF CAP
10: REMOTE MTD. SPEED CONTROLLER
11: MOTOR SIDE FAN GUARD
12: PROVIDE EXTENDED ROOF CURB
13: EXHAUST GRILLE
14: LESS THAN 1 SONE AT STATED AIRFLOW/S.P.

CONTROL:
A: WALL MOUNTED SWITCH BY E.C.
B: CONTROL WITH OCCUPANCY SENSOR.
C: WALL MOUNTED THERMOSTAT
D: INTERLOCK WITH ROOM LIGHT SWITCH
E: CONTINUOUS OPERATION
F: INTERLOCK WITH AH-2
G: INTERLOCK WITH PRESSURE SENSOR IN SHAFT TO MAINTAIN STATIC PRESSURE OF NO MORE THAN 0.2" IN SHAFT

NOTES:
1. ALL FANS SHALL BE U.L. LISTED AND LABELED AND SHALL BE AMCA CERTIFIED.
2. ALL FANS SHALL BE SUPPLIED BY ONE MANUFACTURER UNLESS NOTED OTHERWISE.
3. MECHANICAL CONTRACTOR SHALL PROVIDE MAGNETIC STARTER WITH AUXILLARY CONTACTS AS REQUIRED.
4. BACKDRAFT DAMPER ON ROOF SUPPLY FANS SHALL BE MOTORIZED.
5. WHEN A SPEED CONTROLLER IS REQUIRED AND MOUNTED TO EXHAUST FAN, SPEED SHALL BE ADJUSTED TO PROVIDE LISTED AIRFLOW PRIOR TO CEILING BEING INSTALLED.

AIR DISTRIBUTION SCHEDULE

SYMBOL	CFM	NECK SIZE	MODULE SIZE	PATTERN	BLADE/SLOT SPACING	DAMPER	MATERIAL	SERVICE	MANUFACTURER & MODEL NO.	NOTES
A	0-100	6"ø	12"x12"	LOUVERED	–	YES	STEEL	SUPPLY	PRICE SMD	1-6
B	0-100	6"ø	24"x24"	LOUVERED	–	YES	STEEL	SUPPLY	PRICE SMD	1-6
C	105-175	8"ø	24"x24"	LOUVERED	–	YES	STEEL	SUPPLY	PRICE SMD	1-6
D	180-270	10"ø	24"x24"	LOUVERED	–	YES	STEEL	SUPPLY	PRICE SMD	1-6
E	275-390	12"ø	24"x24"	LOUVERED	–	YES	STEEL	SUPPLY	PRICE SMD	1-6
F	50	6"x4"	--	LOUVERED	–	YES	STEEL	SUPPLY	PRICE 510	1-6
G	125-250	8"ø	48"x4"	SLOT	(1)1½" SLOT	YES	STEEL	SUPPLY	PRICE AS215	1-6
H	255-300	10"ø	48"x4"	SLOT	(1)1½" SLOT	YES	STEEL	SUPPLY	PRICE AS215	1-6
J	0-175	8"ø	24"x24"	PERFORATED	–	NO	STEEL	RET/EXH	PRICE PDDR	1-6
K	180-270	10"ø	24"x24"	PERFORATED	–	NO	STEEL	RETURN	PRICE PDDR	1-6
L	275-390	12"ø	24"x24"	PERFORATED	–	NO	STEEL	RETURN	PRICE PDDR	1-6
M	395-500	12"x12"	24"x24"	PERFORATED	–	NO	STEEL	RETURN	PRICE PDDR	1-6
N	505-885	16"x16"	24"x24"	PERFORATED	–	NO	STEEL	RETURN	PRICE PDDR	1-6
P	890-1,850	22"x22"	24"x24"	PERFORATED	–	NO	STEEL	RETURN	PRICE PDDR	1-6
R	75-100	8"x4"	--	LOUVERED	–	YES	STEEL	SUPPLY	PRICE 510	1-6
S	150-200	14"x4"	--	LOUVERED	–	YES	STEEL	SUPPLY	PRICE 510	1-6

NOTES:
1. FINISH TO MATCH / BE ABLE MATCH CEILING OR WALL OR DOOR. COORDINATE WITH ARCHITECT.
2. SQUARE TO ROUND TRANSITIONS PROVIDED BY AIR DISTRIBUTION SUPPLIER.
3. FURNISH WITH FRAME SUITABLE FOR INSTALLATION REQUIRED.
4. DIFFUSERS AT RATED CEILINGS SHALL BE ALL STEEL CONSTRUCTION WITH RADIATION DAMPER. PROVIDE RADIATION INSULATION BLANKET ON TOP SIDE OF DIFFUSER AS REQUIRED TO MAINTAIN RATING OF CEILING.
5. GRILLES AND DIFFUSERS LOCATED IN POOL ROOM SHALL BE ALUMINUM.
6. IN ANY LOCATION WHERE HARD CEILING OR AN OBSTRUCTIONS PREVENT THE INSTALLATION OF A MANUAL VOLUME DAMPER, CONTRACTOR SHALL INSTALL ALDES CAR3 CONSTANT AIRFLOW REGULATOR TO BALANCE AIRFLOW.
7. ALL LINEAR DIFFUSERS SHALL BE FURNISHED WITH PLENUM AND END CAPS.

MECHANICAL LEGEND

- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE
- T — WALL MOUNTED THERMOSTAT
- U — ¾" DOOR UNDERCUT
- S — WALL MTD. TEMPERATURE SENSOR
- MANUAL VOLUME DAMPER
- BI-POLAR IONIZATION DEVICE (DUCT MOUNTED)
- TURNING VANES
- SD — DUCT MOUNTED SMOKE DETECTOR
- FD — DYNAMIC FIRE DAMPER
- FSD — DYNAMIC FIRE/SMOKE DAMPER
- M — MOTOR OPERATED DAMPER (MOD)
- CEILING MOUNTED EXHAUST FAN

PTAC UNITS

UNIT TAG	AMANA MODEL	FAN CFM	OSA CFM	ESP (WG)	EER	COOLING (MBH)	ELECT. HEAT (KW)	VOLTAGE (V)	MCA (A)	MOCP (A)	WEIGHTS (LBS)
PTAC-A	PTC073G	310	–	0.4	11.7	7.7	3.5	208V/1ø	19.5	20	108
PTAC-B	PTC093G	310	–	0.4	11.5	9.0	3.5	208V/1ø	19.5	20	115

NOTES:
1) G.C. SHALL PROVIDE SUB-BASE KIT WITH DISCONNECT SWITCH FOR ALL PTAC'S. CONCEAL ALL ELECTRICAL CONNECTIONS WITH-IN KIT.
2) 2 SPEED FAN
3) PROVIDE HONEYWELL "INCOMM" THERMOSTATS (W/ 2 FAN SPEED CAPABILITY) FOR ALL GUESTROOM PTACS. THERMOSTATS SHALL BE HARDWIRED TO PTACS.
4) PROVIDE EXTENDED SLEEVE WHERE REQUIRED. VERIFY PRIOR TO ORDERING.

BI-POLAR IONIZATION SCHEDULE

SYMBOL	LOCATION	SA FLOW CFM	OSA FLOW CFM	QUANTITY	PRESSURE DROP	VOLTAGE	WATTS	MANUFACTURER/MODEL GLOBAL PLASMA SOLUTIONS	REMARKS
BPI-1	DINING/LOBBY	1200	150	1	0.05"W.C.	24VAC	0.24	GPS-RN	1-7
BPI-2	DINING/LOBBY	1400	150	1	0.05"W.C.	24VAC	0.24	GPS-RN	1-7
BPI-3	FLEX SEATING	800	100	1	0.05"W.C.	24VAC	0.24	GPS-RN	1-7
BPI-4	MEETING	1800	150	1	0.05"W.C.	24VAC	0.24	GPS-RN	1-7

NOTES & ACCESSORIES:
1. PROVIDE AUTO-ELECTRONIC FLOW SENSING.
2. PROVIDE IAQ-2 CALCULATION. PRESCRIPTIVE PROCEDURE WILL NOT BE ALLOWED.
3. OZONE DETECTABLE SYSTEM WILL NOT BE ALLOWED.
4. SYSTEM WILL BE MAINTENANCE FREE. NO REPLACMENT COMPONENT SYSTEMS ALLOWED.
5. ALL MANUFACTURERS MUST PASS UL 867-2007 OZONE CHAMBER TESTING BY EITHER UL OR ETL.
6. POWERED PATICULATE FILERS, POLARIZED MEDIA FILTERS, UNI-POLAR ION GENERATORS, PLASMA PARTICULATE FILTERS WITH UV SYSTEMS, AND BI-POLAR IONIZATION SYSTEMS REQUIRING PERISHABLE GLASS TUBES WILL NOT BE ACCEPTABLE.
7. PROVIDE TRANSFORMER AS REQUIRED FOR VOLTAGE REQUESTED. COORDINATE WITH ELECTRICAL CONTRACTOR.

EQUAL PRODUCTS: AIRGENICS & BIOXYGEN

ELECTRIC WALL HEATER SCHEDULE

EWH-1 MARKEL F33141S-RP
2 KW; 208V-1ø; 6826 BTUH; 175 CFM; WITH: BUILT-IN DISCONNECT SWITCH AND THERMOSTAT, PENCIL-PROOF LOUVERS, CABINET FOR SURFACE MOUNTING.

EWH-2 MARKEL E3322TTD-RP
1 KW; 120V-1ø; 3413 BTUH; 175 CFM; WITH: BUILT-IN DISCONNECT SWITCH AND THERMOSTAT, PENCIL-PROOF LOUVERS, CABINET FOR SURFACE MOUNTING.

SPLIT SYSTEM HEAT PUMP SCHEDULE

TAG	TRANE AIR HANDLER MODEL NO.	NOMINAL TONS	LOCATION	TOTAL CFM	OA CFM	MAX. FAN HP	ESP	MBH TOT. COOL	MBH SEN. COOL	MIN. SEER2	HEAT HEAT PUMP	HEAT KW	VOLTS /PHASE	MCA	MOCP
AH-1	5TEM4A0C60S51	5.0	SEE PLAN	1850	–	3/4	0.40"	57.3	41.2	14.3	56.9	7.2	208/1ø	58	60
AH-2	5TEM4A0B24M21	2.0	SEE PLAN	800	100	1/3	0.40"	23.9	17.9	14.3	23.4	5.8	208/1ø	44	45
AH-3	5TEM4A0C43M41	3.5	SEE PLAN	1350	150	1/2	0.40"	40.6	30.0	14.3	39.0	7.2	208/1ø	55	60
AH-4	5TEM4B0C37M431	3.0	SEE PLAN	1200	160	1/2	0.40"	35.5	27.0	14.3	34.6	5.8	208/1ø	45	45
AH-5	5TEM4A0B24M21	2.0	SEE PLAN	800	100	1/3	0.40"	23.9	17.9	14.3	23.4	5.8	208/1ø	44	45
AH-6	5TEM4B0B24M21	1.5	SEE PLAN	600	–	1/3	0.40"	18.7	12.7	14.3	19.3	3.6	208/1ø	29	30
AH-7	5TEM4A0C60S51	5.0	SEE PLAN	1800	150	3/4	0.40"	57.3	41.2	14.3	56.9	7.2	208/1ø	58	60
AH-8	5TEM4A0C43M41	3.5	SEE PLAN	1400	150	1/2	0.40"	40.6	30.0	14.3	39.0	7.2	208/1ø	55	60
AH-9	5TEM4B0C37M431	3.0	SEE PLAN	1200	150	1/2	0.40"	35.5	27.0	14.3	34.6	5.8	208/1ø	45	45
AH-10	5TEM4B0B24M21	1.5	SEE PLAN	550	–	1/3	0.40"	18.7	12.7	14.3	19.3	3.6	208/1ø	29	30

TAG	TRANE HEAT PUMP MODEL NO.	VOLTS /PHASE	MCA	MOCP	NOTES
HP-1	5TWR4060N1	208/1ø	32	50	1 THRU 8
HP-2	5TWR4024N1	208/1ø	15	25	1 THRU 8
HP-3	5TWR4042N1	208/1ø	24	40	1 THRU 8
HP-4	5TWR4036N1	208/1ø	18	30	1 THRU 8
HP-5	5TWR4024N1	208/1ø	15	25	1 THRU 8
HP-6	5TWR4018N1	208/1ø	15	25	1 THRU 8
HP-7	5TWR4060N1	208/1ø	32	50	1 THRU 8
HP-8	5TWR4042N1	208/1ø	24	40	1 THRU 8
HP-9	5TWR4036N1	208/1ø	18	30	1 THRU 8
HP-10	5TWR4018N1	208/1ø	15	25	1 THRU 8

NOTE:
1 COOLING CAPACITIES ARE RATED IN ACCORDANCE WITH ARI STANDARD 210/290 AT 95°F AMBIENT OUTDOOR AIR TEMP., 80°F DRY BULB, 67°F WET BULB ENTERING AIR TEMP., AND NOMINAL AIR QUANTITY LISTED.
2 REFRIG. R-454B PIPING TO BE SIZED PER TOTAL INSTALL. EQUIV. LENGTH. LONG-LINE APP.TO BE PROVIDED WHENEVER MFG. RECOMM. LENGTHS ARE EXCEEDED, INCL. LIQ. LINE SOLENOID VALVES, ACCUMULATOR, ETC. MAX T.E.L. IS 100'
3 PROVIDE SINGLE POINT ELECTRICAL CONNECTION
4 PROVIDE HONEYWELL "VISION-PRO 8000" THERMOSTAT/HUMIDISTAT
5 PROVIDE NEW FILTERS IN UNIT WHEN BUILDING IS TURNED OVER TO OWNER/TENANT.
6 SES HEAT PUMP DEHUMIDIFICATION CONTROL MODULE HPDM-MP AS WELL AS EQUIPMENT AND CONTROLS AS REQUIRED FOR A COMPLETE WORKING SYSTEM
7 HEAT PUMP TO BE INSTALLED LEVEL ON MANUFACTURERS PREFORMED PAD.
8 PROVIDE LOW AMBIENT CONTROLS.

APPROVED EQUALS: DAIKEN, CARRIER, YORK, LENNOX

MINI-SPLIT UNIT

GENERAL DATA SYMBOL	MITSUBISHI MODEL	ROOM SERVING	DIMENSIONS (LxWxH)	FAN CFM	COOLING TOTAL (MBH)	HEATING TOTAL (MBH)	ELECTRICAL VOLTAGE (V)	MCA	MOCP
SSI-1	PKA-A18HA	SERVER	36"x10"x12"	370	18	N/A	208/1	1	15
SSI-2	PKA-A18HA	SERVER	36"x10"x12"	370	18	N/A	208/1	1	15

1) SHALL COMPLY W/ THE LOCAL 2024 ENERGY CODE
2) SSI/SSO-2 IS A BACK-UP UNIT AND WILL ONLY BE USED IF SSI/SSO-1 IS NOT WORKING.

GENERAL DATA SYMBOL	MITSUBISHI MODEL	LOCATION	DIMENSIONS (LxWxH)	EFFICIENCY SEER	ELECTRICAL VOLTAGE (V)	MCA	MOCP	AMBIENT ENTERING AIR (F)
SSO-1	PUY-A18NHA4	OUTSIDE	32"x12"x24"	15.1	208/1	13	25	95
SSO-2	PUY-A18NHA4	OUTSIDE	32"x12"x24"	15.1	208/1	13	25	95

NOTES: PROVIDE CONDENSATE PUMP FOR INDOOR UNIT.
LOW AMBIENT CONTROLS, LONG LINE-SETS ARE REQUIRED.

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030549 J. DAVID HOOD
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

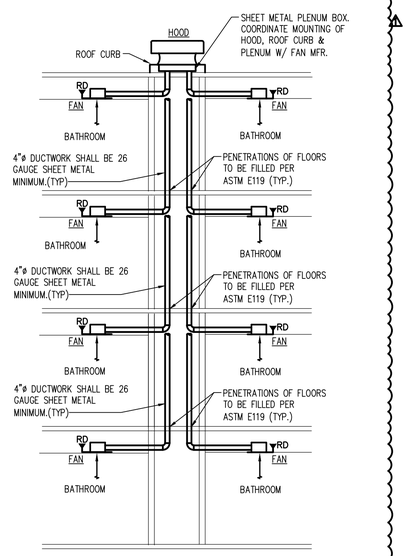
revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: CRM
checked by: JDH
project no: 25-104

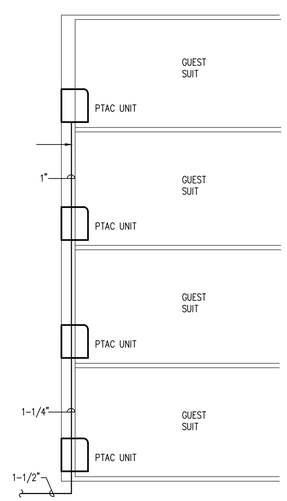
MECHANICAL SCHEDULES

M002



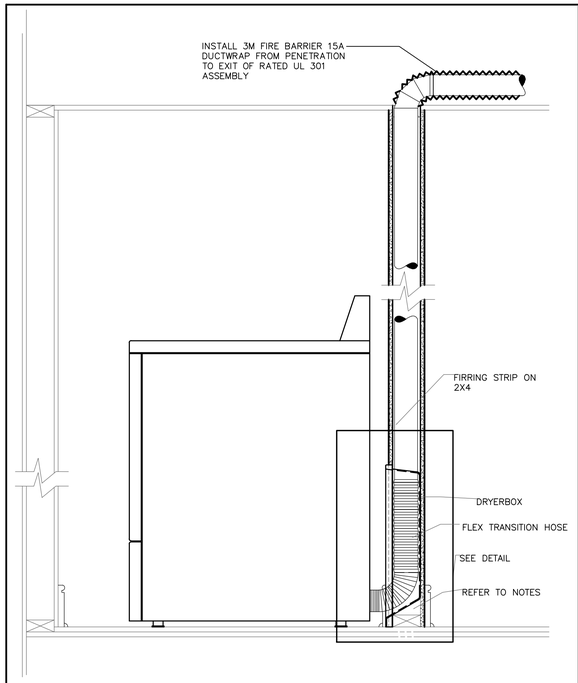
1 / M003 GUESTROOM EXHAUST RISER

N.T.S.



2 / M003 PTAC CONDENSATE RISER

N.T.S.

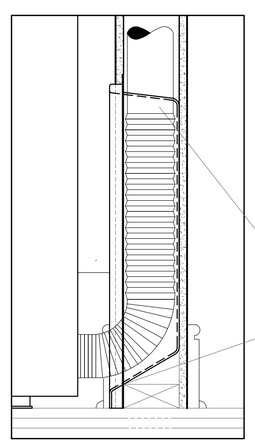


DRYERBOX INSTALLATION

DRYER VENTING: MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR RUNNING ALL DUCTWORK FOR THE DRYER EXHAUST SYSTEM. ALL CONCEALED DRYER DUCTING MUST BE RIGID METAL (GALVANIZED OR ALUMINUM) MINIMUM OF 4" IN DIAMETER, SMOOTH 30 GA. CLEAN, UNOBSTRUCTED, FRICTIONLESS DUCTS (NO FLEXIBLE DUCT ALLOWED IN CONCEALED AREAS). SEAL ALL JOINTS WITH FOIL BACKED PRESSURE SENSITIVE DUCT TAPE MEETING THE REQUIREMENTS OF UL 181. DUCT JOINTS SHALL BE INSTALLED SO THAT THE MALE END OF THE DUCT POINTS IN THE DIRECTION OF THE AIRFLOW. DO NOT USE RIVETS OR SCREWS IN THE JOINTS OR ANYWHERE ELSE IN THE DUCT AS THESE WILL ENCOURAGE LINT COLLECTION.

DRYERBOX RECEPTACLE SHALL BE METAL AND BE INSTALLED AS LOW AS POSSIBLE AS TO PERMIT THE PROPER AND SAFE COLLECTION OF THE DRYER TRANSITION HOSE. DRYERBOX SHOULD BE RESTING ON THE BOTTOM PLATE AND BE LOCATED AT OR NEAR THE CENTERLINE OF THE PROPOSED DRYER APPLIANCE. RIGID DUCT SHOULD PENETRATE DRYERBOX PORT 2 INCHES TO PROVIDE FOR FUTURE CONNECTION AND STORAGE OF TRANSITION HOSE. BASEBOARD SHALL BE "BUTTED" UP TO THE FIXED EXTENSION RIM AND SLIGHTLY BACK-CUT. DRYERBOX SHOULD BE CAULKED AND THEN PAINTED WITH THE TRIM PAINT. FOR USAGE IN A ONE-HOUR WALL ASSEMBLY, UL REQUIRES THAT BATT INSULATION BE STUFFED AROUND THE DRYERBOX AND IN THE ENTIRE WALL CAVITY CELL.

LENGTH OF CONCEALED RIGID METAL DUCTING SHALL NOT EXCEED 25 FEET. DEDUCT 5 FEET FROM THE ALLOWABLE LENGTH FOR EVERY 3.5" RADIUS 90 DEGREE ELBOW AND TWO AND A HALF FEET FOR EVERY 45 DEGREE FITTING. DRYER VENTING SHALL BE INDEPENDENT OF ANY OTHER SYSTEMS (CHIMNEYS OR EXHAUST VENTS). TERMINATION OF DRYER VENTING MUST BE TO THE EXTERIOR WITH A PROPER HOOD OR ROOF JACK EQUIPPED WITH A BACK-DRAFT DAMPER. SMALL ORIFICE METAL SCREENING SHOULD NOT BE PART OF THE HOOD OR ROOF JACK AS THIS WILL ACCELERATE LINT ACCUMULATION AND BLOCKAGE. THE HOOD OPENING SHOULD POINT DOWN AND EXHIBIT 12 INCHES OF CLEARANCE BETWEEN THE BOTTOM OF THE HOOD AND THE GROUND OR OTHER OBSTRUCTION. VERIFY MANUFACTURER'S RECOMMENDATIONS FOR ANY OTHER FACTORS.



DRYER VENT DETAIL

3

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 030549 ENGINEER J. DAVID HOOD
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: CRM

checked by: JDH

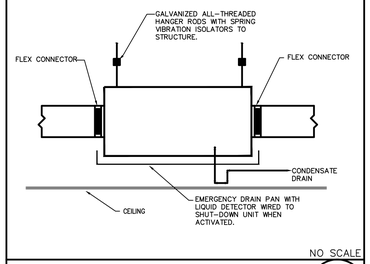
project no: 25-104

MECHANICAL DETAILS

M003

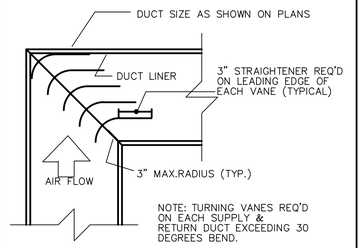
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

NOTE: PROVIDE FOR MAINTENANCE ACCESS TO FILTERS, WATER PIPING, DRAINS, FAN, MOTOR, ETC. COORDINATE LOCATION WITH GENERAL CONTRACTOR AND OTHER TRADES. MAINTAIN 3 DUCT DIAMETERS OF STRAIGHT DUCT ON BOTH THE SUPPLY AND RETURN DUCTS WHERE CONNECTED TO THE AHU.



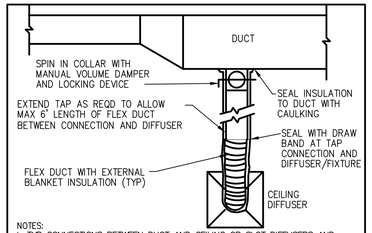
NO SCALE

AIR HANDLING UNIT 1



NO SCALE

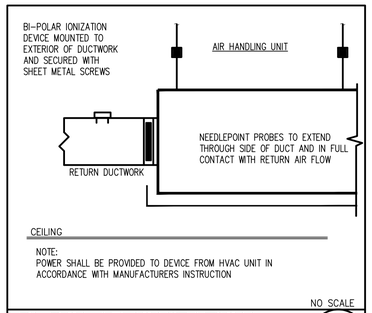
TURNING VANE DETAIL 2



NOTES:
1 TYP CONNECTIONS BETWEEN DUCT AND CEILING OR SLOT DIFFUSERS AND SINGLE OR DOUBLE SIDED SADDLE BOOT LIGHT FIXTURES AS SHOWN ON PLANS OR INDICATED IN SCHEDULE
2 ONLY ONE 90° TURN ALLOWED IN FLEX DUCT WITH TURN R/D > 1.0; DUCT MUST BE PROPERLY SUPPORTED TO PREVENT KINKING
3 IF ADDITIONAL 90° TURNS ARE REQD TO CONNECT OUTLET TO DIFFUSER, EXTEND TAP AND PROVIDE EXTERNALLY INSULATED STOVE PIPE ELLS AS REQD.

NO SCALE

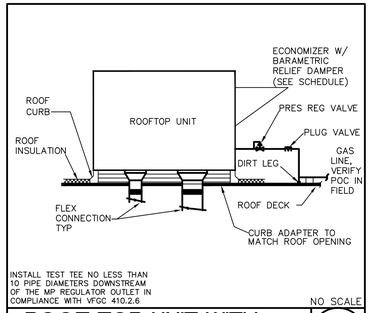
CONNECTIONS TO MAIN DUCT 3



NOTE:
POWER SHALL BE PROVIDED TO DEVICE FROM HVAC UNIT IN ACCORDANCE WITH MANUFACTURERS INSTRUCTION

NO SCALE

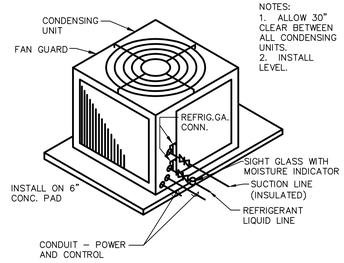
BI-POLAR IONIZATION DEVICE MOUNTING DETAIL 4



INSTALL TEST TEE NO LESS THAN 10 PIPE DIAMETERS DOWNSTREAM OF THE MP REGULATOR OUTLET IN COMPLIANCE WITH VFGC 410.2.6

NO SCALE

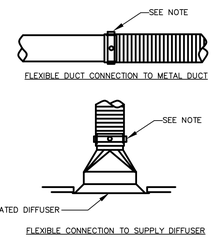
ROOF TOP UNIT WITH GAS HEAT 5



NOTES:
1. ALLOW 30" CLEAR BETWEEN ALL CONDENSING UNITS.
2. INSTALL LEVEL.

NO SCALE

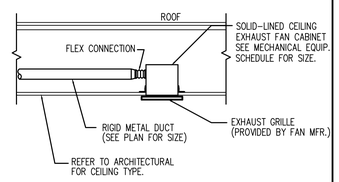
CONDENSING UNIT 6



NOTE: ALL FLEXIBLE DUCT CONNECTIONS TO SHEET METAL SHALL BE SECURED WITH NYLON STRAP AND 2 SHEET METAL SCREWS (MIN.).

NO SCALE

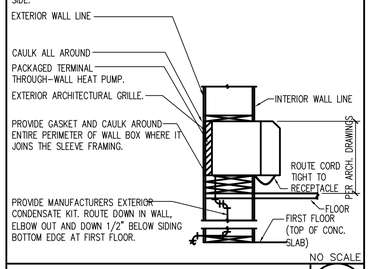
FLEX CONNECTIONS 7



NO SCALE

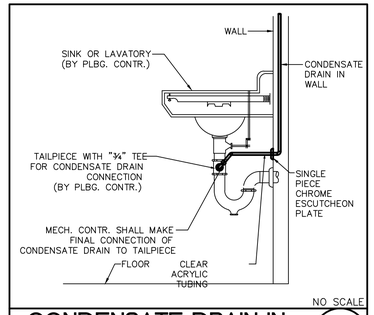
EXHAUST FAN DETAIL 8

NOTE:
PROVIDE 30 AMP CORD AND PLUG 30 AMP RECEPTACLE, CONDUCTORS, 2 POLE BREAKER. PROVIDE RECEPT. 18" ABOVE TOP OF SUBFLOOR AND 6" CLEAR OF PTAC SIDE.



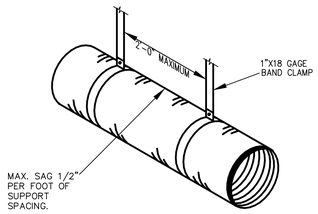
NO SCALE

PTAC UNIT 9



NO SCALE

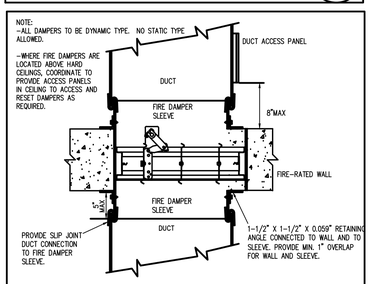
CONDENSATE DRAIN IN SINK CONNECTION 10



NO SCALE

FLEXIBLE DUCT SUPPORT 11

NOTE:
-ALL DAMPERS TO BE DYNAMIC TYPE. NO STATIC TYPE ALLOWED.
-WHERE FIRE DAMPERS ARE LOCATED ABOVE HARD CEILINGS, COORDINATE TO PROVIDE ACCESS PANELS IN CEILING TO ACCESS AND RESET DAMPERS AS REQUIRED.

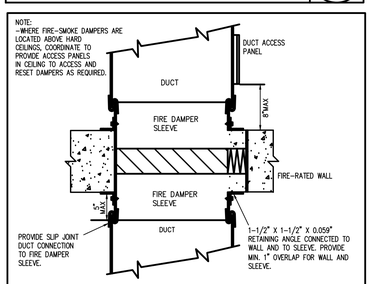


NOTE: DAMPER SHALL BE TYPE "B" U.L. & F.M. APPROVED. INSTALL PER MANUFACTURER'S PRINTED INSTRUCTIONS.

NO SCALE

FIRE + SMOKE DAMPER TYPICAL DETAIL 12

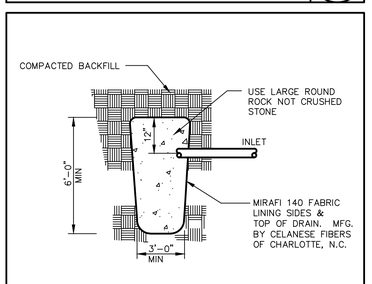
NOTE:
-WHERE FIRE-SMOKE DAMPERS ARE LOCATED ABOVE HARD CEILINGS, COORDINATE TO PROVIDE ACCESS PANELS IN CEILING TO ACCESS AND RESET DAMPERS AS REQUIRED.



NOTE: DAMPER SHALL BE TYPE "B" U.L. & F.M. APPROVED. INSTALL PER MANUFACTURER'S PRINTED INSTRUCTIONS. MINIMUM RATING – 1-1/2 HOURS.

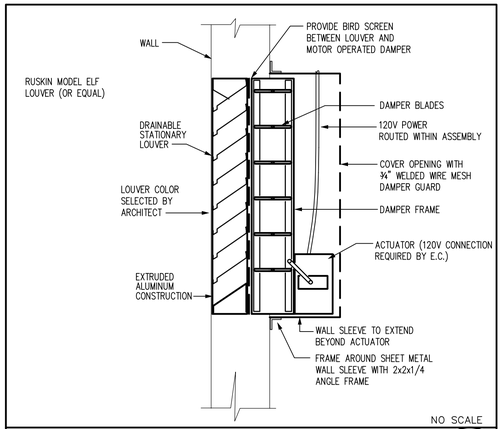
NO SCALE

FIRE DAMPER TYPICAL DETAIL 13



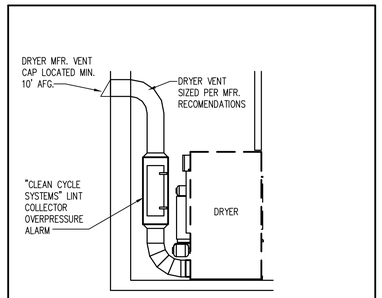
NO SCALE

DRYWELL DETAIL 14



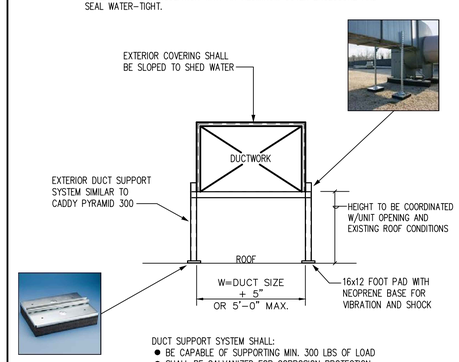
NO SCALE

STATIONARY LOUVER WITH MOTOR OPERATED DAMPER DETAIL 15



COMMERCIAL DRYER VENTING DETAIL 16

DUCTWORK EXPOSED OUTSIDE SHALL BE INSULATED WITH 2" THICK RIGID EXTERNAL FIBERGLASS INSULATION IN ADDITION TO 1" THICK DUCT LINER. COVER EXTERNAL INSULATION WITH AN ALUMINUM OUTER ENCLOSURE AND SEAL WATER-TIGHT.



DUCT SUPPORT SYSTEM SHALL:
- BE CAPABLE OF SUPPORTING MIN. 300 LBS OF LOAD
- SHALL BE GALVANIZED FOR CORROSION PROTECTION
- SUPPORTS SHALL BE PLACE A MAXIMUM OF 8'-0" APART

NO SCALE

EXTERIOR DUCTWORK ON ROOF 17

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

CAROLINA PROFESSIONAL ENGINEER SEAL 030549 J. DAVID HOOD ENGINEER
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: CRM
checked by: JDH
project no: 25-104

MECHANICAL DETAILS

M004

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

VENTILATION CALCULATIONS

BASED ON TABLE 403.3 OF THE LATEST NCMC

BASED ON EQUATION 4-1 FROM SECTION 403.3.1.1:
Vbz = RpPz + RaAz WHERE:
Az = ZONE FLOOR AREA
Pz = ZONE POPULATION
Rp = PEOPLE OUTDOOR AIR RATE
Ra = AREA OUTDOOR AIR RATE

AH-1

LAUNDRY:

Vbz = $\frac{700 \times 250}{1000}$ = 175 CFM OA REQUIRED

Ev = 1 Voz = Vbz/Ev = 175/1 = 175 CFM

TOTAL OUTDOOR AIR REQUIRED = 175

TOTAL OUTDOOR AIR PROVIDED = 200

BREAKROOM:

Vbz = (200 x 0.06) + $\frac{200 \times 5 \times 5}{1000}$ = 17 CFM OA REQUIRED

Ev = 1 Voz = Vbz/Ev = 17/1 = 17 CFM

TOTAL OUTDOOR AIR REQUIRED = 17

TOTAL OUTDOOR AIR PROVIDED = 50

AH-2

WORK AREA/OFFICES:

Vbz = (400 x 0.06) + $\frac{400 \times 5 \times 5}{1000}$ = 34 CFM OA REQUIRED

Ev = 0.8 Voz = Vbz/Ev = 34/0.8 = 43 CFM
Zp = Voz/TOT. AIRFLOW IN SPACE = 43/700 = .06

LINEN STORAGE:

Vbz = 100 x 0.06 = 6 CFM OA REQUIRED

Ev = 0.8 Voz = Vbz/Ev = 6/0.8 = 8 CFM
Zp = Voz/TOT. AIRFLOW IN SPACE = 8/100 = .08

THE HIGHEST Zp OF THE 2 ZONES IN THE SYSTEM IS .08; THEREFORE FROM TABLE 403.3.2.3.2 OF THE LATEST NCMC, THE Ev FOR THE SYSTEM IS 1

Vou = D(SUM OF ALL ZONES) = 1(34 + 6) = 40

Vot = Vou/Ev = 40/1 = 40

TOTAL OUTDOOR AIR REQUIRED = 40

TOTAL OUTDOOR AIR PROVIDED = 100

AH-3

ENTRANCE LOBBY/VESTIBULE:

Vbz = (900 x 0.06) + $\frac{900 \times 10 \times 5}{1000}$ = 99 CFM OA REQUIRED

Ev = 0.8 Voz = Vbz/Ev = 99/0.8 = 124 CFM

TOTAL OUTDOOR AIR REQUIRED = 124

TOTAL OUTDOOR AIR PROVIDED = 150

AH-4

FITNESS:

Vbz = (600 x 0.06) + $\frac{600 \times 20 \times 10}{1000}$ = 156 CFM OA REQUIRED

Ev = 1 Voz = Vbz/Ev = 156/1 = 156 CFM

TOTAL OUTDOOR AIR REQUIRED = 156

TOTAL OUTDOOR AIR PROVIDED = 160

AH-5

SEE ASHRAE 62.1 BI-POLAR IONIZATION CALCULATIONS THIS SHEET

TOTAL OUTDOOR AIR REQUIRED = 80

TOTAL OUTDOOR AIR PROVIDED = 100

AH-6

FOOD PREP (EXHAUST):

EXHAUST = 300 x 0.7 = 210 CFM EXHAUST REQUIRED

TOTAL EXHAUST PROVIDED = 210

AH-7

SEE ASHRAE 62.1 BI-POLAR IONIZATION CALCULATIONS THIS SHEET

TOTAL OUTDOOR AIR REQUIRED = 280

TOTAL OUTDOOR AIR PROVIDED = 150

AH-8 & 9

SEE ASHRAE 62.1 BI-POLAR IONIZATION CALCULATIONS THIS SHEET

TOTAL OUTDOOR AIR REQUIRED = 210

TOTAL OUTDOOR AIR PROVIDED = 300

AH-10

BOARD ROOM:

Vbz = (250 x 0.06) + $\frac{250 \times 50 \times 5}{1000}$ = 78 CFM OA REQUIRED

Ev = 1 Voz = Vbz/Ev = 78/1 = 78 CFM

TOTAL OUTDOOR AIR REQUIRED = 78

TOTAL OUTDOOR AIR PROVIDED = 100

1ST FLOOR CORRIDOR:

Vbz = 2000 x 0.06 = 120 CFM OA REQUIRED

Ev = 1 Voz = Vbz/Ev = 120/1 = 120 CFM

TOTAL OUTDOOR AIR REQUIRED = 120

TOTAL OUTDOOR AIR PROVIDED = 1550

UPPER FLOOR CORRIDORS (TYP. PER FLOOR):

Vbz = 1800 x 0.06 = 108 CFM OA REQUIRED

Ev = 1 Voz = Vbz/Ev = 108/1 = 108 CFM

TOTAL OUTDOOR AIR REQUIRED = 108

TOTAL OUTDOOR AIR PROVIDED = 1550

TYP. GUESTROOM
Vbz = (350 x 0.06) + $\frac{350 \times 10 \times 5}{1000}$ = 39 CFM OA REQUIRED

Ev = 1 BASED ON SECTION 403.3.1.3 OF THE LATEST NCMC:
Voz = Vbz/Ev = 39/1 = 39 CFM

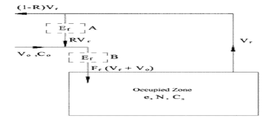
TOTAL OUTDOOR AIR REQUIRED = 39 CFM
TOTAL OUTDOOR AIR PROVIDED = 50 CFM

BI-POLAR IONIZATION SCHEDULE - OUTSIDE AIR CALCULATIONS BASED ON ASHRAE 62.1

GLOBAL PLASMA SOLUTIONS
PHONE: 912-356-0115 EMAIL: INFO@GLOBALPLASMASOLUTIONS.COM

Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft) Az	Zone Max Occupancy Pz	Table 6.1 OA per Occupant Rp	Table 6.1 cfm/ft2 Ra	Pz * Rp / Pz * Rp	Az * Ra / Az * Ra	Table 6.2 Ventilation Effectiveness Ez	Outdoor Air to Zone (CFM) with Ez correction (Vbz/Ez)
AH-5	Is Motels Resorts Dormat	Cafeteria/Fast Food Dining	400.0	28.0	7.5	0.18	210	72	0.8	353

Zone Height (feet)	9
Outside Air (Vo)	80
Supply Air (Vs)	800
Return Air (Vr)	720
Recirc. Flow Factor (R)	0.90
Ventilation Effectivenss (Ez)	0.8
Level of Physical Activity	**Standing (desk work)**
Filter Location	B
HVAC Flow Type	Constant
Outdoor Air Flow Type	Constant



Air Changes Per Hour	13.3	VRP OA CFM per person	12.6
Outside Air Per VRP	353 CFM	IAQ OA CFM per person	2.9
Outside Air Per IAQ	80 CFM		
Outside Air Savings	273 CFM		
OA Drybulb	94.0		
OA Wetbulb	74.0		
Coil Leaving Air Drybulb	55.0		
Coil Leaving Air Wetbulb	54.0		
OA MBH Saved*	#NAME?		
OA Tons Saved*	#NAME?		

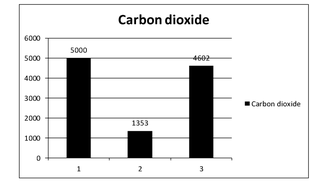
OA = Outside Air

Indoor Contaminants Generated By People	Maximum Threshold Value (PPM)**	Steady State Using the VRP* (Prescribed OA) Plasma Off	Steady State Using the IAQ Method (Reduced OA) Plasma On	Is Steady State Level Acceptable at Reduced OA Levels?
Acetaldehyde	20.0	0.0246	0.0028	Yes
Acetone	19.0	0.1844	0.0013	Yes
Ammonia	2.50	6.0105	0.0277	Yes
Benzene	0.1000	0.0087	0.0008	Yes
2- Butanone (MEK)	10.0	0.0375	0.0003	Yes
Carbon dioxide	5000	1353	4602	Yes
Chloroform	0.2000	2.6208	0.0001	Yes
Dioxane	100.0	0.0998	0.0000	Yes
Hydrogen Sulfide	20.0	0.0061	0.0000	Yes
Methane	NA	0.6591	1.6912	Yes
Methanol	200.0	0.0023	0.0000	Yes
Methylene Chloride	50.0	0.0364	0.0008	Yes
Propane	100.0	0.0168	0.0100	Yes
Tetrachloroethane	35 mg/m3	0.0005	0.0000	Yes
Tetrachloroethylene	2.5000	0.0075	0.0001	Yes
Toluene	2.0000	0.0089	0.0011	Yes
1,1,1 - Trichloroethane	0.2000	1.6971	0.0003	Yes
Xylene	0.4000	0.0000	0.0005	Yes

All values are in PPM unless otherwise noted

All shaded boxes require user input or review

Is IAQ acceptable at reduced outside air levels?	**Yes**



1 = ASHRAE C02 Limit
2 = C02 Level at Ventilation Rate OA Flow Rate
3 = C02 Level at IAQ Procedure OA Flow Rate

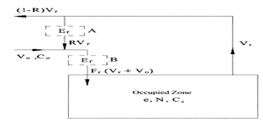
GLOBAL PLASMA SOLUTIONS INDOOR AIR QUALITY SOFTWARE©
COPYRIGHT 2008 GLOBAL PLASMA SOLUTIONS, LLC - ALL RIGHTS RESERVED
UNAUTHORIZED USE OR COPYING STRICTLY PROHIBITED

BI-POLAR IONIZATION SCHEDULE - OUTSIDE AIR CALCULATIONS BASED ON ASHRAE 62.1

GLOBAL PLASMA SOLUTIONS
PHONE: 912-356-0115 EMAIL: INFO@GLOBALPLASMASOLUTIONS.COM

Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft) Az	Zone Max Occupancy Pz	Table 6.1 OA per Occupant Rp	Table 6.1 cfm/ft2 Ra	Pz * Rp / Pz * Rp	Az * Ra / Az * Ra	Table 6.2 Ventilation Effectiveness Ez	Outdoor Air to Zone (CFM) with Ez correction (Vbz/Ez)
AH-7	Is Motels Resorts Dormat	Conference/Meeting	950.0	48.0	5.0	0.06	240	57	0.8	371

Zone Height (feet)	9
Outside Air (Vo)	130
Supply Air (Vs)	800
Return Air (Vr)	670
Recirc. Flow Factor (R)	0.84
Ventilation Effectivenss (Ez)	0.8
Level of Physical Activity	**Standing (desk work)**
Filter Location	B
HVAC Flow Type	Constant
Outdoor Air Flow Type	Constant



Air Changes Per Hour	5.6	VRP OA CFM per person	7.7
Outside Air Per VRP	371 CFM	IAQ OA CFM per person	2.7
Outside Air Per IAQ	130 CFM		
Outside Air Savings	241 CFM		
OA Drybulb	94.0		
OA Wetbulb	74.0		
Coil Leaving Air Drybulb	55.0		
Coil Leaving Air Wetbulb	54.0		
OA MBH Saved*	#NAME?		
OA Tons Saved*	#NAME?		

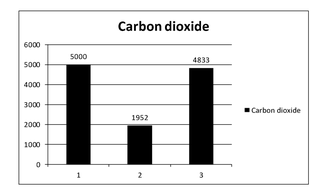
OA = Outside Air

Indoor Contaminants Generated By People	Maximum Threshold Value (PPM)**	Steady State Using the VRP* (Prescribed OA) Plasma Off	Steady State Using the IAQ Method (Reduced OA) Plasma On	Is Steady State Level Acceptable at Reduced OA Levels?
Acetaldehyde	20.0	0.0342	0.0041	Yes
Acetone	19.0	0.3153	0.0019	Yes
Ammonia	2.50	10.3025	0.0437	Yes
Benzene	0.1000	0.0131	0.0011	Yes
2- Butanone (MEK)	10.0	0.0642	0.0004	Yes
Carbon dioxide	5000	1952	4833	Yes
Chloroform	0.2000	2.6216	0.0001	Yes
Dioxane	100.0	0.0999	0.0000	Yes
Hydrogen Sulfide	20.0	0.0103	0.0001	Yes
Methane	NA	1.1297	1.6918	Yes
Methanol	200.0	0.0040	0.0000	Yes
Methylene Chloride	50.0	0.0607	0.0010	Yes
Propane	100.0	0.0172	0.0100	Yes
Tetrachloroethane	35 mg/m3	0.0009	0.0000	Yes
Tetrachloroethylene	2.5000	0.0077	0.0002	Yes
Toluene	2.0000	0.0152	0.0017	Yes
1,1,1 - Trichloroethane	0.2000	1.7087	0.0004	Yes
Xylene	0.4000	0.0000	0.0007	Yes

All values are in PPM unless otherwise noted

All shaded boxes require user input or review

Is IAQ acceptable at reduced outside air levels?	**Yes**



1 = ASHRAE C02 Limit
2 = C02 Level at Ventilation Rate OA Flow Rate
3 = C02 Level at IAQ Procedure OA Flow Rate

GLOBAL PLASMA SOLUTIONS INDOOR AIR QUALITY SOFTWARE©
COPYRIGHT 2008 GLOBAL PLASMA SOLUTIONS, LLC - ALL RIGHTS RESERVED
UNAUTHORIZED USE OR COPYING STRICTLY PROHIBITED

BI-POLAR IONIZATION SCHEDULE - OUTSIDE AIR CALCULATIONS BASED ON ASHRAE 62.1

GLOBAL PLASMA SOLUTIONS
PHONE: 912-356-0115 EMAIL: INFO@GLOBALPLASMASOLUTIONS.COM

Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft) Az	Zone Max Occupancy Pz	Table 6.1 OA per Occupant Rp	Table 6.1 cfm/ft2 Ra	Pz * Rp / Pz * Rp	Az * Ra / Az * Ra	Table 6.2 Ventilation Effectiveness Ez	Outdoor Air to Zone (CFM) with Ez correction (Vbz/Ez)
AH-8 & 9	Is Motels Resorts Dormat	Cafeteria/Fast Food Dining	1,100.0	77.0	7.5	0.18	578	198	0.8	969

Zone Height (feet)	9
Outside Air (Vo)	210
Supply Air (Vs)	2,600
Return Air (Vr)	2390
Recirc. Flow Factor (R)	0.92
Ventilation Effectivenss (Ez)	0.8
Level of Physical Activity	**Standing (desk work)**
Filter Location	B
HVAC Flow Type	Constant
Outdoor Air Flow Type	Constant

Air Changes Per Hour	15.8	VRP OA CFM per person	12.6
Outside Air Per VRP	969 CFM	IAQ OA CFM per person	2.7
Outside Air Per IAQ	210 CFM		
Outside Air Savings	759 CFM		
OA Drybulb	94.0		
OA Wetbulb	74.0		
Coil Leaving Air Drybulb	55.0		
Coil Leaving Air Wetbulb	54.0		
OA MBH Saved*	#NAME?		
OA Tons Saved*	#NAME?		

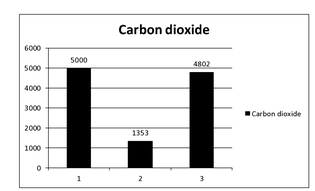
OA = Outside Air

Indoor Contaminants Generated By People	Maximum Threshold Value (PPM)**	Steady State Using the VRP* (Prescribed OA) Plasma Off	Steady State Using the IAQ Method (Reduced OA) Plasma On	Is Steady State Level Acceptable at Reduced OA Levels?
Acetaldehyde	20.0	0.0482	0.0024	Yes
Acetone	19.0	0.5050	0.0011	Yes
Ammonia	2.50	16.5259	0.0241	Yes
Benzene	0.1000	0.0195	0.0007	Yes
2- Butanone (MEK)	10.0	0.1029	0.0003	Yes
Carbon dioxide	5000	1353	4802	Yes
Chloroform	0.2000	2.6228	0.0001	Yes
Dioxane	100.0	0.1000	0.0000	Yes
Hydrogen Sulfide	20.0	0.0163	0.0000	Yes
Methane	NA	1.8122	1.6917	Yes
Methanol	200.0	0.0064	0.0000	Yes
Methylene Chloride	50.0	0.0958	0.0008	Yes
Propane	100.0	0.0177	0.0100	Yes
Tetrachloroethane	35 mg/m3	0.0015	0.0000	Yes
Tetrachloroethylene	2.5000	0.0081	0.0001	Yes
Toluene	2.0000	0.0244	0.0009	Yes
1,1,1 - Trichloroethane	0.2000	1.7255	0.0002	Yes
Xylene	0.4000	0.0000	0.0004	Yes

All values are in PPM unless otherwise noted

All shaded boxes require user input or review

Is IAQ acceptable at reduced outside air levels?	**Yes**



1 = ASHRAE C02 Limit
2 = C02 Level at Ventilation Rate OA Flow Rate
3 = C02 Level at IAQ Procedure OA Flow Rate

GLOBAL PLASMA SOLUTIONS INDOOR AIR QUALITY SOFTWARE©
COPYRIGHT 2008 GLOBAL PLASMA SOLUTIONS, LLC - ALL RIGHTS RESERVED
UNAUTHORIZED USE OR COPYING STRICTLY PROHIBITED

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

CAROLINA PROFESSIONAL ENGINEERS
SEAL 030549
ENGINEER J. DAVID HOOD
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: CRM

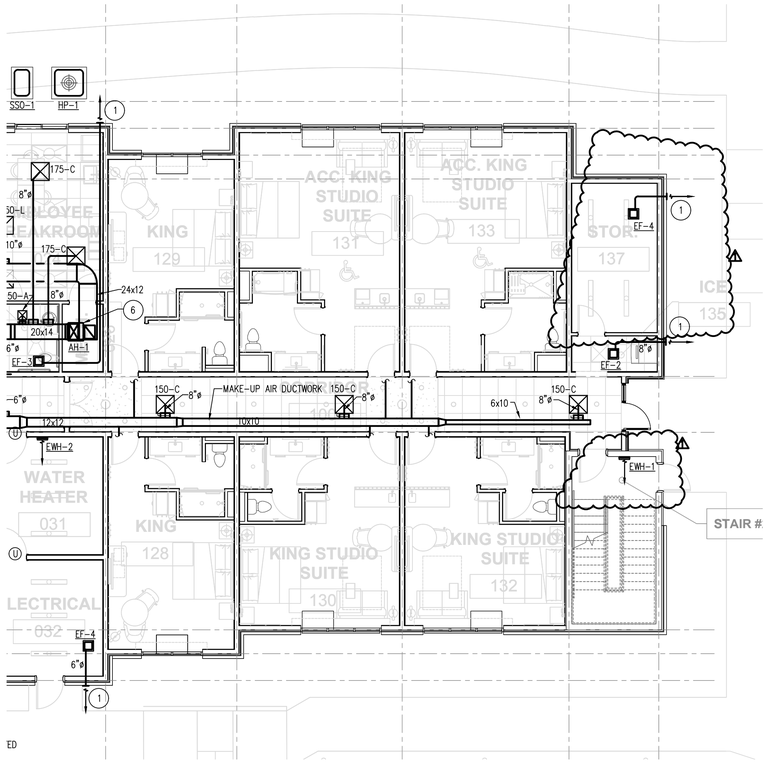
checked by: JDH

project no: 25-104

VENTILATION CALCS.

M005

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

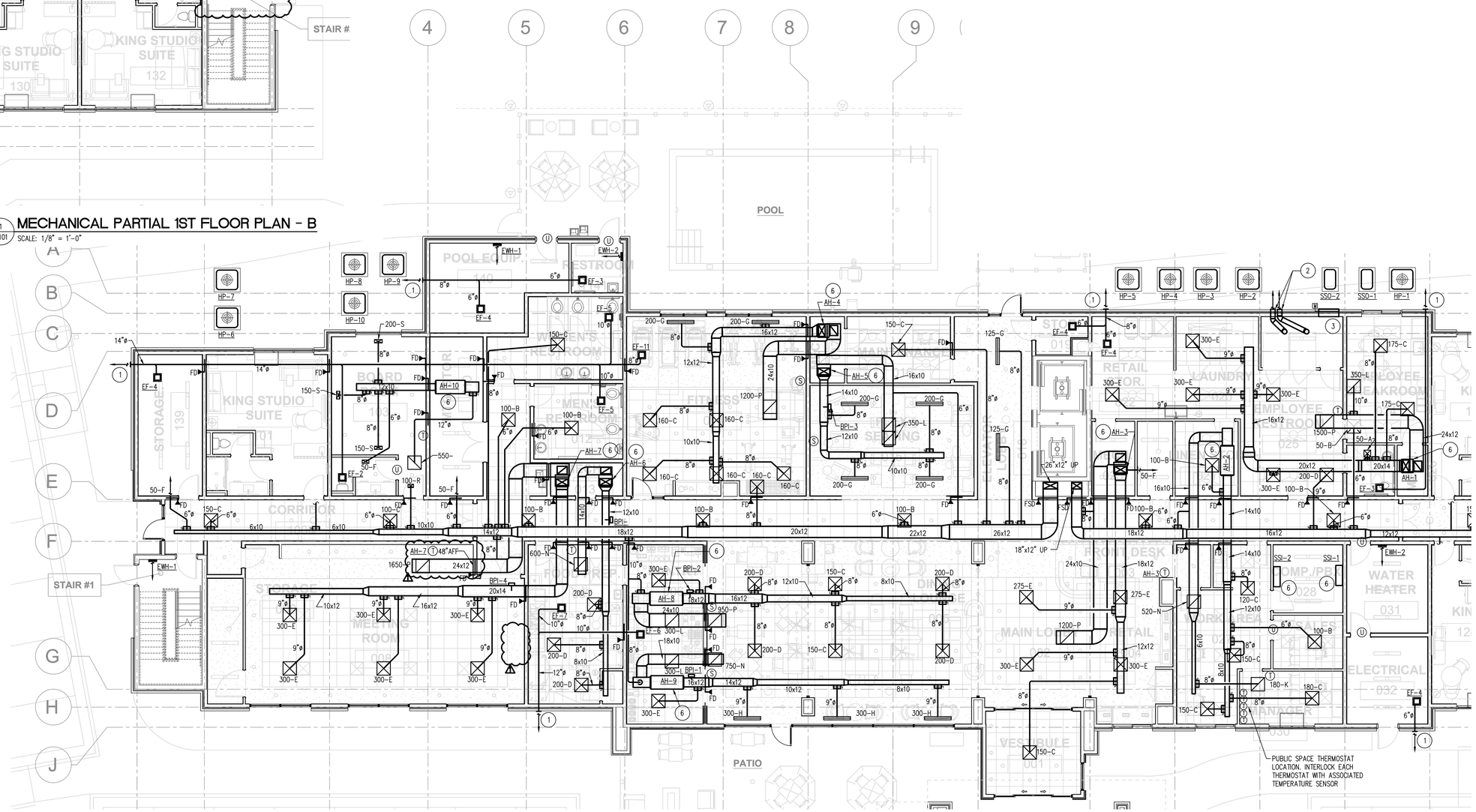


1 M101 MECHANICAL PARTIAL 1ST FLOOR PLAN - B

SCALE: 1/8" = 1'-0"

MECHANICAL KEYED NOTES

1. FAN MFR. LOUVERED DISCHARGE.
2. SINGLE WALL RIGID SHEET METAL DRYER VENTS, SIZED PER MANUFACTURER RECOMMENDATIONS. VENT CAP BY M.C. VERIFY SIZE W/ DRYER MANUFACTURER. BOTTOM OF VENT CAP SHALL BE MINIMUM 10' AFG.
3. (2)36"x36" COMBUSTION AIR LOUVERS W/ MOTOR OPERATED DAMPERS. 1 LOUVER TO BE LOCATED 12"AFF. 1 LOUVER TO BE LOCATED 12" BELOW CEILING. MOTOR OPERATED DAMPERS SHALL BE NORMALLY SET IN CLOSED POSITION. UPON ACTIVATION OF THE DRYERS, DAMPERS SHALL OPEN UP TO FULLY OPEN POSITION.
4. 12"ø EXHAUST UP TO GREENHECK GRS-12 ROOF CAP. PROVIDE W/ ROOF CURB AND INSECT SCREEN.
5. 12"ø EXHAUST UP TO GREENHECK GRS-12 ROOF CAP. PROVIDE W/ ROOF CURB AND INSECT SCREEN.
6. ROUTE CONDENSATE TO NEAREST APPROVED DISCHARGE LOCATION AND DISCHARGE IN A MANNER THAT DOES NOT CREATE A NUISANCE.
7. 24"x18" RUSKIN ELF375I O.A. INTAKE LOUVER W/ 18" DEEP FULLY INSULATED PLENUM AND MOD. MOD SHALL REMAIN CLOSED AND OPEN FULLY UPON ACTIVATION OF POOL DEHUMIDIFICATION UNIT.



2 M101 MECHANICAL PARTIAL 1ST FLOOR PLAN - A

SCALE: 1/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 030549 ENGINEER J. DAVID HOOD
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: CRM

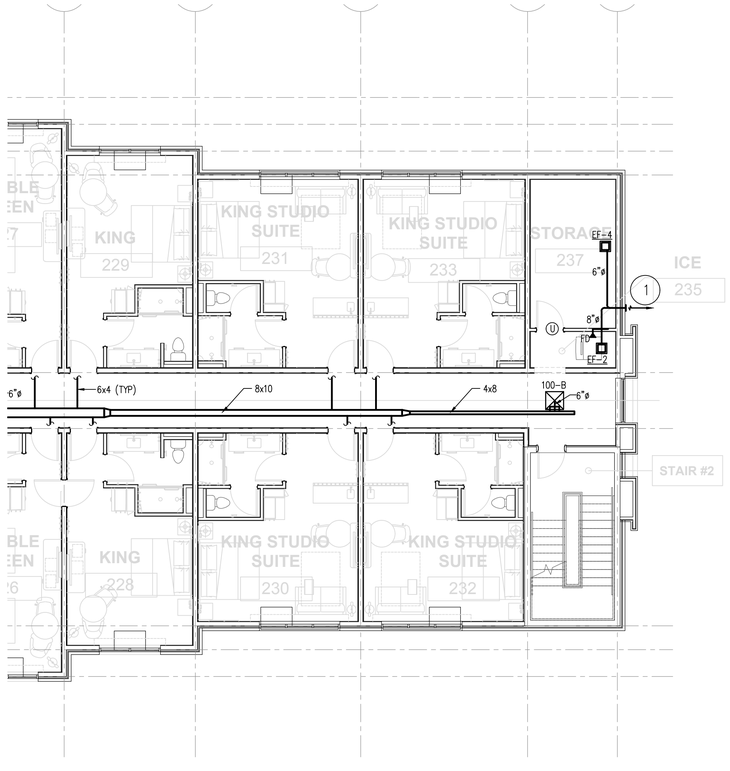
checked by: JDH

project no: 25-104

MECHANICAL 1ST FLOOR PLANS - A & B

M101

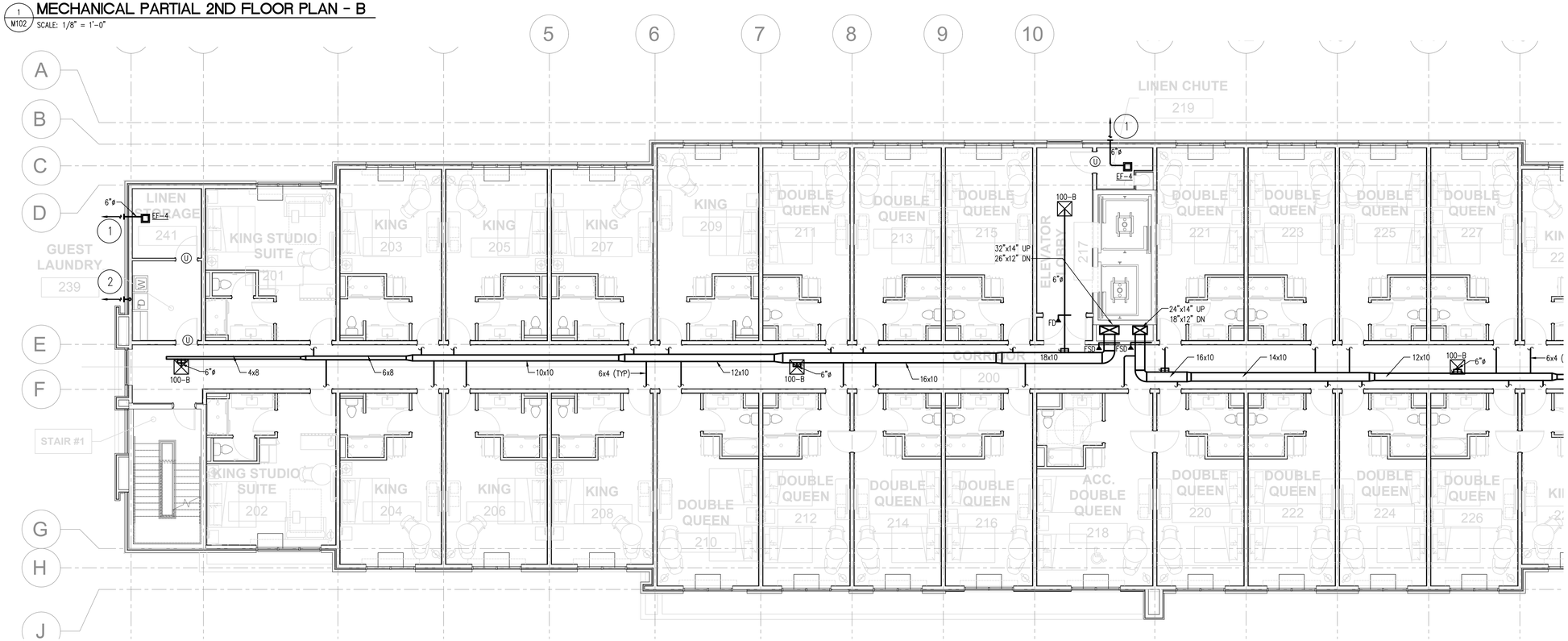
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



1 M102 MECHANICAL PARTIAL 2ND FLOOR PLAN - B
SCALE: 1/8" = 1'-0"

MECHANICAL KEYED NOTES

1. FAN MFR. LOUVERED WALL DISCHARGE.
2. 4"ø SHEET METAL DRYER VENT TO DRYER MFR. WALL CAP.



2 M102 MECHANICAL PARTIAL 2ND FLOOR PLAN -A
SCALE: 1/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 030549 ENGINEER J. DAVID HOOD
09-11-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

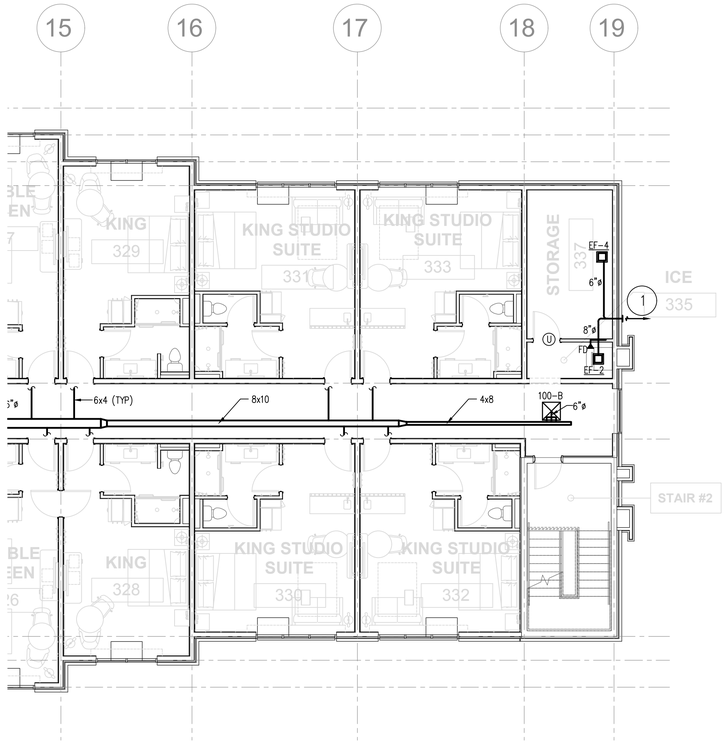
revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: CRM
checked by: JDH
project no: 25-104

MECHANICAL 2ND FLOOR PLANS - A & B

M102

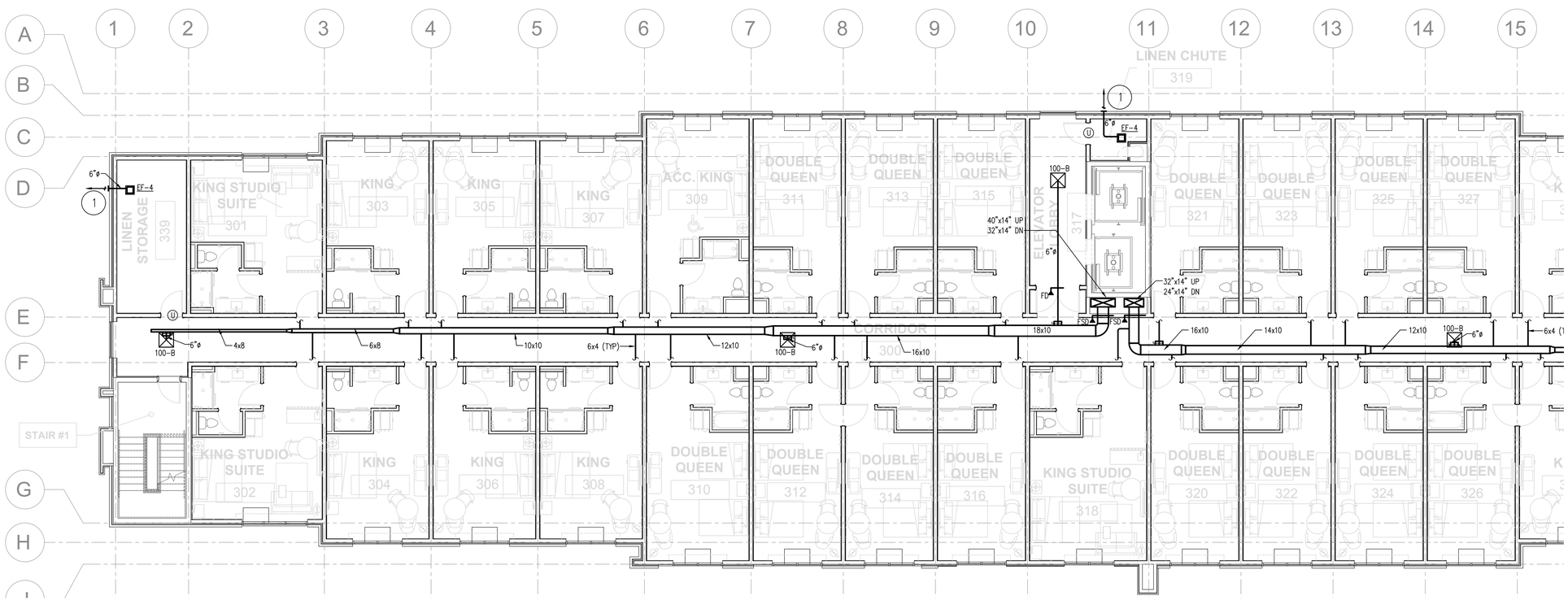


1 M103 MECHANICAL PARTIAL 3RD FLOOR PLAN - B

SCALE: 1/8" = 1'-0"

MECHANICAL KEYED NOTES

1. FAN MFR. LOUVERED WALL DISCHARGE.



2 M103 MECHANICAL PARTIAL 3RD FLOOR PLAN - A

SCALE: 1/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 030549 ENGINEER J. DAVID HOOD
09-11-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

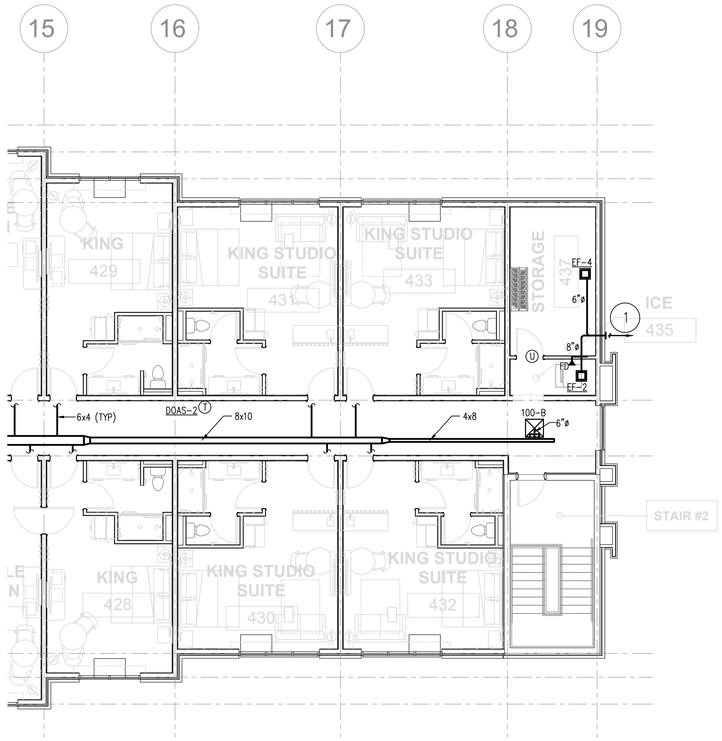
drawn by: CRM

checked by: JDH

project no: 25-104

MECHANICAL 3RD FLOOR PLANS - A & B

M103

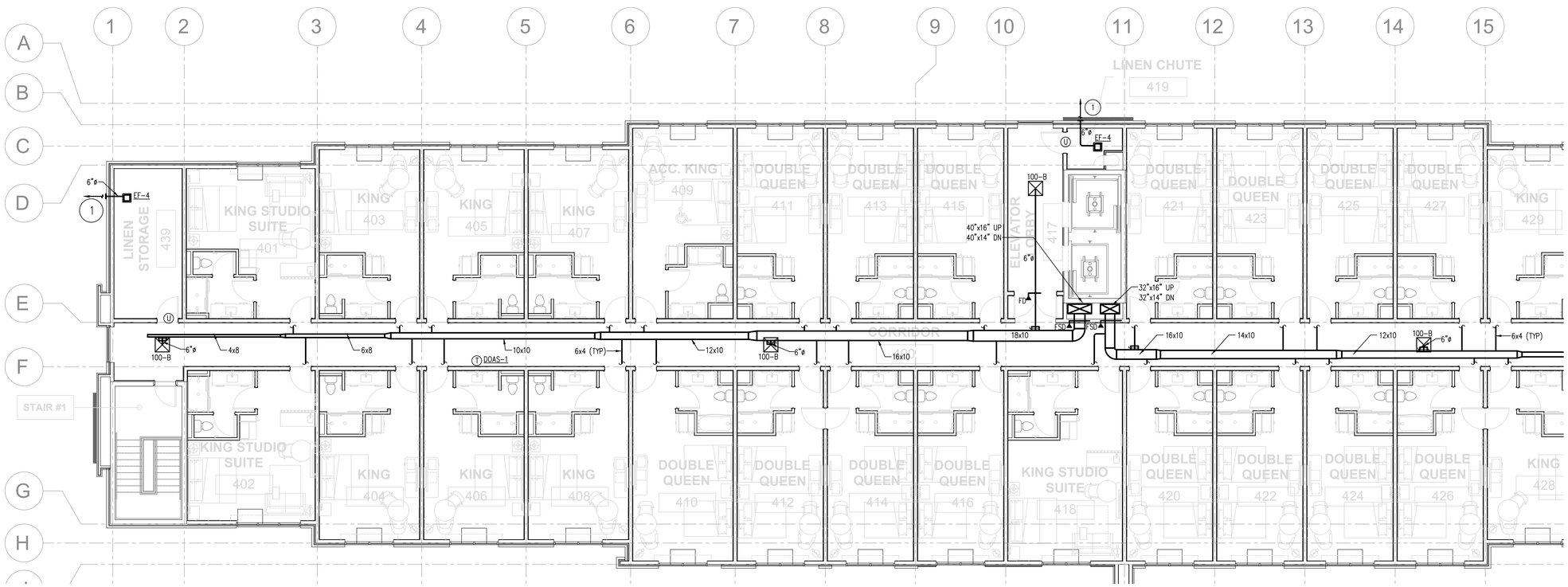


1 M104 MECHANICAL PARTIAL 4TH FLOOR PLAN - S

SCALE: 1/8" = 1'-0"

MECHANICAL KEYED NOTES

1. FAN MFR. LOUVERED WALL DISCHARGE.



2 M104 MECHANICAL PARTIAL 4TH FLOOR PLAN - A

SCALE: 1/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030549 J. DAVID HOOD

09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: CRM

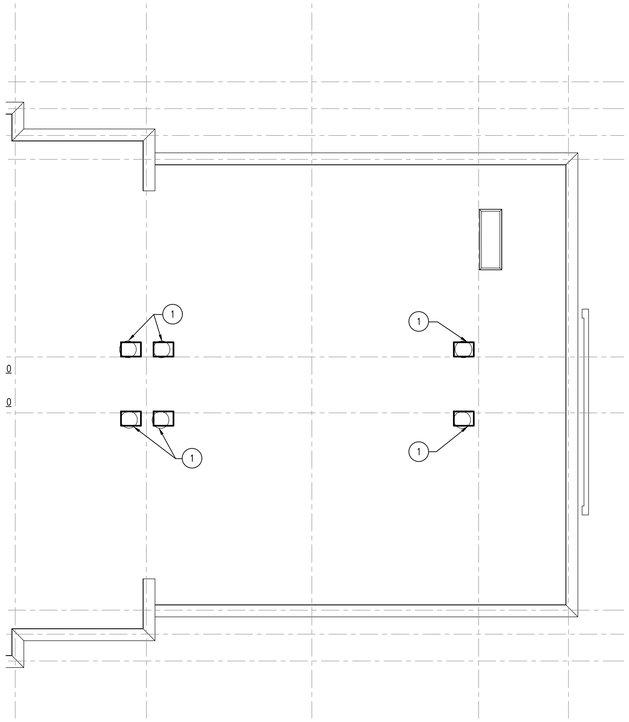
checked by: JDH

project no: 25-104

MECHANICAL 4TH FLOOR PLANS - A & B

M104

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

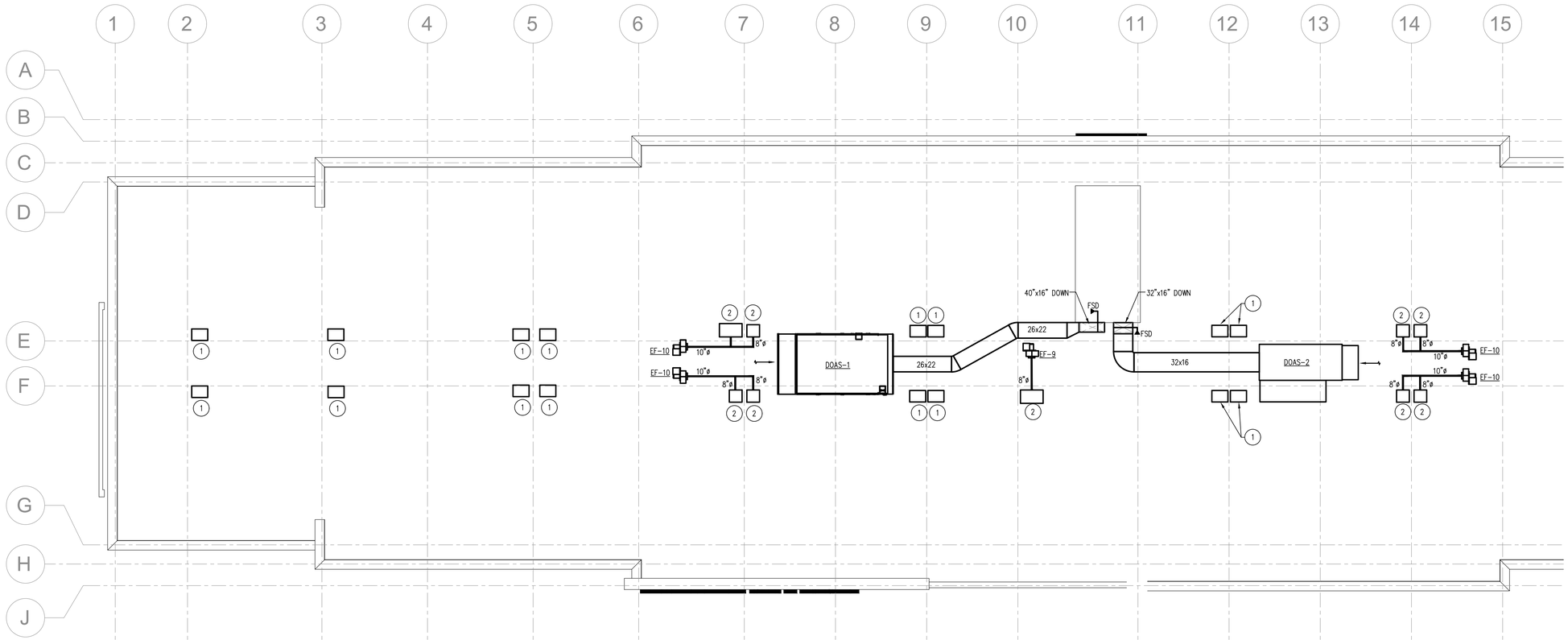


1 M201 MECHANICAL PARTIAL ROOF PLAN - B
SCALE: 1/8" = 1'-0"

NOTE:
DUCTWORK EXPOSED OUTSIDE SHALL BE INSULATED WITH 2" THICK RIGID EXTERNAL FIBERGLASS INSULATION IN ADDITION TO 1" THICK DUCT LINER. COVER EXTERNAL INSULATION WITH AN ALUMINUM OUTER ENCLOSURE AND SEAL WATER-TIGHT.

MECHANICAL KEYED NOTES

1. GREENHECK FGR RELIEF HOOD. SIZE NECK TO COVER EXHAUST DUCTS UP FROM BELOW.
2. PROVIDE A 16" HIGH SHEET METAL PLENUM BOX SIZED TO COVER EXHAUST DUCTS PENETRATING ROOF. SEAL AROUND PLENUM BOX AIR TIGHT.



2 M201 MECHANICAL PARTIAL ROOF PLAN - A
SCALE: 1/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 030549 ENGINEER J. DAVID HOOD
09-11-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

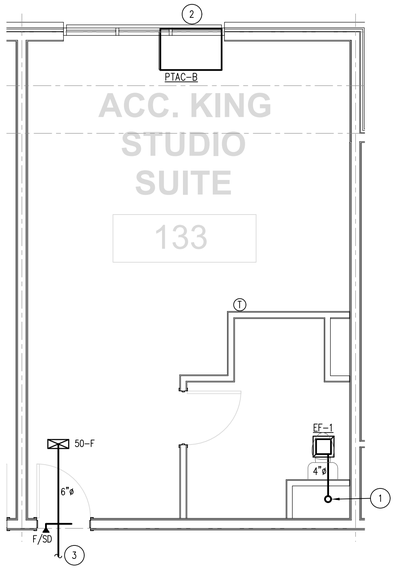
revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

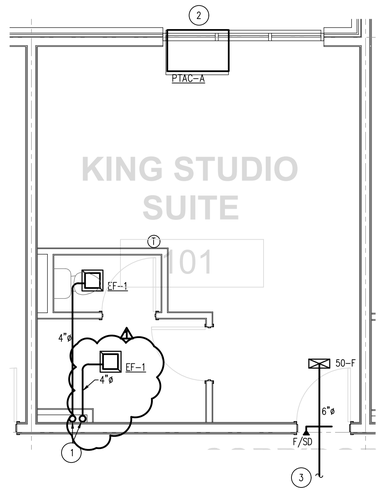
drawn by: CRM
checked by: JDH
project no: 25-104

MECHANICAL ROOF PLANS - A & B

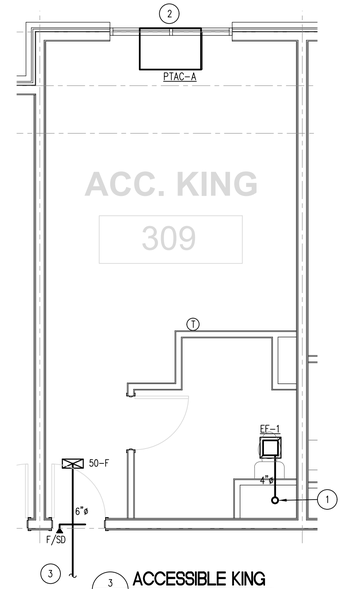
M201



1 M301 ACCESSIBLE KING STUDIO SUITE
SCALE: 1/4" = 1'-0"



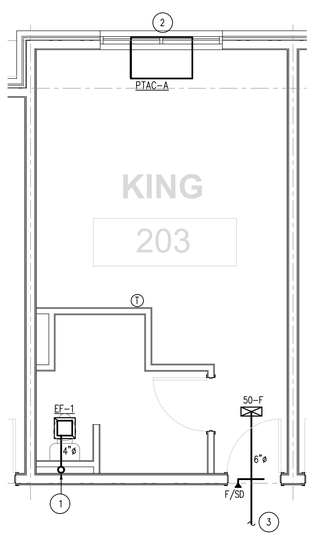
2 M301 KING STUDIO SUITE
SCALE: 1/4" = 1'-0"



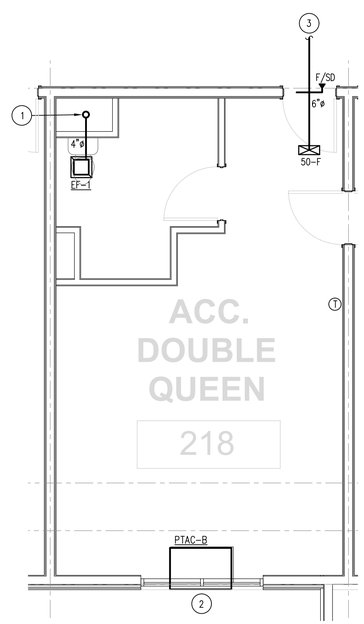
3 M301 ACCESSIBLE KING
SCALE: 1/4" = 1'-0"

MECHANICAL KEYED NOTES

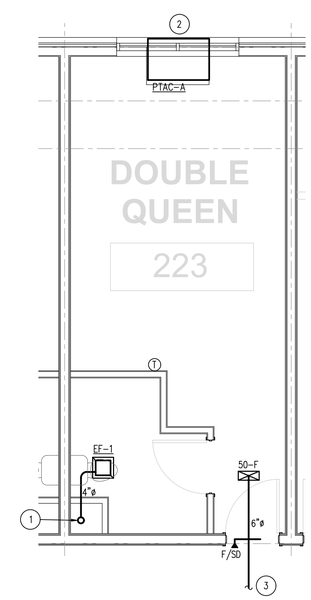
1. ROUTE 4"ø (26 GAUGE SHEET METAL) INTO SHAFT AND STUB UP 22".
2. SEE PTAC CONDENSATE RISER DETAIL ON SHEET M003.
3. SEE OVERALL FLOOR PLANS FOR CONTINUATION.



4 M301 KING
SCALE: 1/4" = 1'-0"



5 M301 ACCESSIBLE DOUBLE QUEEN
SCALE: 1/4" = 1'-0"



6 M301 DOUBLE QUEEN
SCALE: 1/4" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030549 J. DAVID HOOD
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: CRM
checked by: JDH
project no: 25-104

MECHANICAL
ENLARGED
GUESTROOM PLANS

M301

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

ELECTRICAL SPECIFICATIONS

PART 1: GENERAL

A. PROVIDE ALL WORK AND MATERIALS FOR THE INSTALLATION OF COMPLETE WIRING SYSTEMS AS SPECIFIED HEREIN AND INDICATED ON THE DRAWINGS.

B. ALL ELECTRICAL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE ELECTRICAL CONTRACTOR.

C. ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR EFFECTIVE THE DAY THE PROJECT IS ACCEPTED BY THE OWNER.

D. THE ELECTRICAL CONTRACTOR SHALL HAVE A MINIMUM OF 5 YEARS COMMERCIAL EXPERIENCE TO BE QUALIFIED TO PERFORM THE WORK HERE-IN. ANY CONTRACTOR THAT DOES NOT HAVE THE EXPERIENCE REQUIRED MAY BE REMOVED FROM THE PROJECT AT ANYTIME.

E. WORK SHALL BE IN ACCORDANCE WITH THE 2017 NATIONAL ELECTRICAL CODE, OSHA, STATE BUILDING CODE AND ALL OTHER APPLICABLE LOCAL REQUIREMENTS. ALL WORK SHALL COMPLY WITH THE LATEST ADDITION OF NECA STANDARDS OF INSTALLATION.

F. ALL MATERIALS, DEVICES, AND APPLIANCES SHALL BE NEW, EXCEPT WHERE OTHERWISE NOTED, AND SHALL BE LISTED BY AN APPROVED TESTING AGENCY. FACTORY ASSEMBLED EQUIPMENT SHALL BE LISTED AND LABELED AS AN ASSEMBLY, ANY EQUIPMENT NOT LISTED SHALL HAVE PRIOR APPROVAL FROM THE LOCAL AUTHORITY HAVING JURISDICTION. ALL MATERIALS SHALL COMPLY WITH APPLICABLE ANSI, IEEE AND NEMA STANDARDS.

G. PROVIDE ALL CUTTING, PATCHING, CHANNELING AND CHASING FOR INSTALLATION OF WORK AND REPAIR ANY DAMAGE OF EXISTING OR NEW INSTALLATIONS AT THE CONTRACTORS EXPENSE.

H. SHOP DRAWINGS AND CATALOG DATA SHALL BE SUBMITTED FOR APPROVAL PRIOR TO BEGINNING WORK. SUBMIT FOUR COPIES OF SHOP DRAWINGS FOR LIGHTING FIXTURES, LAMPS, BALLASTS AND PANELBOARDS. SUBMIT FOUR COPIED OF CATALOG DATA FOR DISCONNECT SWITCHES AND WIRING DEVICES.

I. PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR PANELBOARDS, WIRING TROUGHS, AND FUSED SWITCHES, WHITE LETTERS ON BLACK FOR 120/208 VOLT SYSTEMS. LABEL ALL BREAKERS INSIDE THE PANEL NEXT TO THE BREAKER USING THE NUMBER SCHEME INDICATED ON THE DRAWINGS.

J. AN ELECTRICAL INSPECTION CERTIFICATE SHALL BE ISSUED BY THE LOCAL INSPECTION AUTHORITIES BEFORE APPROVAL FOR FINAL PAYMENT.

K. THE CONDUIT AND NEUTRAL SYSTEM SHALL BE GROUNDED AT THE MAIN SERVICE EQUIPMENT. GROUNDING ELECTRODE SYSTEM SHALL BE INSTALLED PER N.E.C. ARTICLE 250 AND AS INDICATED ON THE DRAWINGS.

L. WIRING SHALL BE TESTED FOR CONTINUITY AND GROUNDS BEFORE BEING ENERGIZED. FAULTY WIRING SHALL BE REPLACED AT NO ADDITIONAL EXPENSE TO THE OWNER.

M. IF, DURING THE COURSE OF WORK, THE ELECTRICAL CONTRACTOR DISCOVERS A PROBLEM WITH THE PERFORMANCE OF THE INSTALLATION RELATIVE TO THE PLANS AND SPECIFICATIONS OR NEC OR OTHER CODES, THE CONTRACTOR SHALL IMMEDIATELY BRING THE PROBLEM TO THE ATTENTION OF THE ARCHITECT OR ENGINEER FOR RESOLUTION PRIOR TO THE EXECUTION OF THE WORK.

N. THE ELECTRICAL CONTRACTOR SHALL CONNECT ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS, UNLESS OTHERWISE NOTED, EXCEPT FOR CONTROL WIRING FOR EQUIPMENT NOT PROVIDED BY THE ELECTRICAL CONTRACTOR. CONTROL WIRING FOR SUCH EQUIPMENT SHALL BE PROVIDED BY THE RESPECTIVE DISCIPLINE.

O. COORDINATE LOCATION AND REQUIREMENTS FOR ELECTRICAL SERVICE WITH THE POWER COMPANY. WHERE MORE THAN ONE SERVICE IS SUPPLIED TO A BUILDING, PROVIDE IDENTIFICATION AT EACH SERVICE PER NEC 230-2(B) AND AS INDICATED ON THE DRAWINGS.

P. COORDINATE LOCATION AND REQUIREMENTS FOR TELEPHONE SERVICE WITH THE TELEPHONE COMPANY AND AS INDICATED ON THE DRAWINGS.

Q. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PROVIDING TEMPORARY POWER.

PART 2: RACEWAY

A. CONDUIT SHALL BE ZINC-COATED EMT INDOORS. EMT FITTINGS SHALL BE STEEL SCREW. MINIMUM SIZE SHALL BE ¾"C, UNLESS OTHERWISE NOTED. USE SCHEDULE 40 PVC OUTDOORS ABOVE 8'-0" OR BELOW GRADE. USE IMC WHERE REQUIRED BY CODE OR EXPOSED BELOW 8'-0".

B. SUPPORT ALL CONDUITS WITH STRAPS AND CLAMPS. RUN ALL CONDUIT PARALLEL OR PERPENDICULAR TO BUILDING WALLS.

C. JUNCTION AND PULL BOXES SHALL BE CODE GAUGE GALVANIZED SHEET METAL.

D. LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL BE USED FOR EQUIPMENT CONNECTIONS, BUT NOT AS A WIRING METHOD OTHERWISE.

E. MC AND NM CABLE MAY BE USED AS A WIRING METHOD WHERE ALLOWED BY CODE.

F. RACEWAY PENETRATIONS THROUGH FLOOR SLABS AND FIRE-RATED WALLS SHALL BE FILLED WITH IMPERVIOUS, NON-SHRINK GROUT SUFFICIENTLY TIGHT TO PREVENT THE TRANSFER OF SMOKE, WATER, AND DUST. ROOF PENETRATIONS SHALL BE WITHIN THE EQUIPMENT CURB WHERE POSSIBLE.

G. CONDUIT INSTALLED UNDERGROUND OR IN CONCRETE SHALL HAVE JOINTS MADE WATER-TIGHT BY USE OF POLYTETRA-FLUOROETHYLENE TAPE. AAPPROVED SEALS SHALL BE PROVIDED IN HAZARDOUS LOCATIONS AS REQUIRED BY THE N.E.C.

PART 3: CONDUCTORS

A. ALL CONDUCTORS SHALL BE SINGLE CONDUCTOR COPPER. THHN/THWN, SOLID FOR SIZES #14 THROUGH #10. THHN/THWN STRANDED FOR SIZES #8 AND LARGER.

B. BRANCH CIRCUITS SHALL NOT BE SMALLER THAN #12 AWG. CONTROL WIRING MAY BE #14 AWG.

C. CONDUCTORS SHALL BE COLOR CODED BLACK/RED/BLUE FOR 120/208 VOLT SYSTEMS FOR A, B, AND C PHASES, RESPECTIVELY.

D. WIRING TO LIGHTING FIXTURES SHALL BE AS REQUIRED BY UL LABEL.

E. ALL BRANCH CIRCUIT CONDUITS OR CABLE ASSEMBLIES SHALL CONTAIN AN INSULATED GREEN GROUNDING CONDUCTOR SIZED PER NEC 250-122.

F. ALL CONDUCTORS INSTALLED IN VERTICAL RACEWAYS SHALL BE SUPPORTED AT INTERVALS AS REQUIRED PER NEC ARTICLE 300-19.

G. ALL EQUIPMENT AND DEVICE TERMINATIONS SHALL BE UL LISTED FOR USE WITH 75°C INSULATED CONDUCTORS AT THEIR 75°C AMPACITY.

H. PROVIDE A SEPARATE NEUTRAL FOR EACH PHASE CONDUCTOR IN ALL BRANCH CIRCUITS.

PART 4: WIRING DEVICES

A. WIRING DEVICES SHALL BE ALMOND WITH MATCHING PLASTIC COVER PLATES, SPECIFICATION GRADE AS INDICATED BELOW, EQUAL TO THE COOPER (EATON) QUALITY INDICATED. (EQUAL BY WATTSTOPPER AND LEVITON)

TOGGLE SWITCHES SHALL BE AS FOLLOWS:

SINGLE POLE 20 AMP	COOPER 1221
DOUBLE POLE 20 AMP	COOPER 1222
THREE WAY 20 AMP	COOPER 1223
FOUR WAY 20 AMP	COOPER 1224

WALL MOUNTED SENSORS SHALL BE AS FOLLOWS:

VACANCY SINGLE SWITCH	COOPER VNW-P-1001-MV
OCCUPANCY SINGLE SWITCH	COOPER ONW-P-1001-MV
VACANCY DUAL SWITCH	COOPER VNW-P-1001-DMV
OCCUPANCY DUAL SWITCH	COOPER ONW-P-1001-DMV
VACANCY DIMMER	COOPER VSW-D-010
OCCUPANCY DIMMER	COOPER OSW-D-010
VACANCY PRESET	COOPER VSW-P-010
OCCUPANCY PRESET	COOPER OSW-P-010

CEILING MOUNTED SENSORS SHALL BE AS FOLLOWS:

VACANCY SINGLE SWITCH	COOPER VAC-DT
OCCUPANCY SINGLE SWITCH	COOPER OAC-DT
POWER PACKS	COOPER SP20-RD4

DUPLEX RECEPTACLES SHALL HAVE A NYLON FACE AND SHALL BE AS FOLLOWS:

15 AMP DUPLEX	COOPER 5252
20 AMP DUPLEX	COOPER 5362
15 AMP DUPLEX-GFCI	COOPER GF5262
20 AMP DUPLEX-GFCI	COOPER GF5362
15 AMP DUPLEX-IG	COOPER IG5252
20 AMP DUPLEX-IG	COOPER IG5362

B. DUPLEX RECEPTACLES ON DEDICATED CIRCUIT SHALL BE 20 AMP. OTHER DUPLEX RECEPTACLES MAY BE 15 AMP, UNLESS OTHERWISE NOTED.

C. OUTLET BOXES SHALL NOT BE MOUNTED BACK-TO-BACK.

D. A MAXIMUM OF 10 RECEPTACLES SHALL BE ON EACH BRANCH CIRCUIT.

E. WEATHERPROOF COVERS SHALL HAVE A LID SO THAT PLUGS MAY BE INSTALLED WITHOUT COMPROMISING THE WP FUNCTION, EQUAL TO INTERMATIC GUARDIAN ONE #WP1020C.

F. ALL OUTLETS (INCLUDING TELEPHONE, CABLE TV AND DATA) SHALL HAVE COVER PLATES, BLANK IF NOT USED.

PART 5: DISCONNECT SWITCHES

A. DISCONNECT SWITCHES SHALL BE HEAVY-DUTY TYPE IN NEMA 1 ENCLOSURES (UNLESS OTHERWISE INDICATED), FUSED OR NON-FUSED AS INDICATED. FUSED SWITCHES SHALL HAVE REJECTION-TYPE FUSE CLIPS. SWITCHES SHALL BE SQUARE D, OR EQUAL. FUSES SHALL BE CLASS R-5, TIME DELAY. A SET OF 3 SPARE FUSES OF EACH SIZE AND TYPE SHALL BE FURNISHED TO THE OWNER.

PART 6: PANELBOARDS

A. PANELBOARDS SHALL BE DEAD-FRONT SAFETY TYPE. ALL CIRCUIT BREAKERS SHALL BE MOLDED-CASE, BOLT-ON, AUTOMATIC THERMAL MAGNETIC TYPE, CALIBRATED FOR 40°C, OR AMBIENT COMPENSATION. CABINET SHALL BE 20 INCHES WIDE MINIMUM, WITH NOT LESS THAT 4-INCH WIRING GUTTERS AT TOP, SIDES, AND BOTTOM, SQUARE D "NF", "NQOD", OR EQUAL. BUS SHALL BE ALUMINUM WITH RATINGS AS INDICATED ON DRAWINGS. LUGS SHALL BE SIZED TO ACCOMMODATE CONDUCTORS INDICATED ON THE POWER RISER DIAGRAM.

B. PROVIDE HANDLE LOCK-ON DEVICES ON ALL CIRCUIT BREAKERS CONNECTED TO EMERGENCY, EXIT, AND NIGHT LIGHTING, FIRE ALARM, TELEPHONE AND SECURITY SYSTEMS.

C. CIRCUIT BREAKERS USED FOR SWITCHING OF LIGHTING OR SIGN CIRCUITS SHALL BE SWITCHING DUTY RATED AND SHALL BE MARKED "SWD".

PART 7: LIGHT FIXTURES

A. CATALOG NUMBERS GIVEN DENOTE MINIMUM QUALITY AND PERFORMANCE REQUIRED. EQUAL EQUIPMENT BY OTHER MANUFACTURERS IS ACCEPTABLE AS INDICATED ON THE LIGHT FIXTURE SCHEDULE.

B. LAY-IN FIXTURES SHALL BE SUSPENDED FROM STRUCTURE WITH 2 WIRES AT OPPOSITE CORNERS. DO NOT SUPPORT FROM CEILING GRID.

C. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHT FIXTURES.

D. ALL RECESSED LIGHTING FIXTURES SHALL BE THERMALLY PROTECTED.

PART 8: TELEPHONE/DATA SYSTEM

A. FURNISH AND INSTALL A COMPLETE TELEPHONE/DATA CONDUIT SYSTEM AS INDICATED ON THE DRAWINGS. ALL OUTLET BOXES FOR TELEPHONE AND/OR DATA JACKS SHALL BE DOUBLE GANG WITH A SINGLE-GANG OPENING.

B. PULL AND LEAVE IN EACH CONDUIT ONE PULL CORD FOR PULLING IN CABLE. ALL WIRING, OUTLETS AND EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY THE OWNERS TELE/DATA SUPPLIER.

C. TELEPHONE SERVICE CONDUITS SHALL BE PROVIDED TO THE PROPERTY LINE OR AS INDICATED ON THE DRAWINGS.

D. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A #6 AWG GREEN COPPER WIRE IN A 3/4" CONDUIT FROM THE NEAREST COLD WATER METAL MAIN TO A LUG AT THE TELEPHONE/DATA BACKBOARD.

PART 9: LIGHTING CONTROLS

A. SEE WIRING DEVICES FOR WALL MOUNTED CONTROLLERS.

B. ALL SENSORS SHALL BE DUAL TECHNOLOGY ULTRASONIC AND PASSIVE INFRARED. EACH SHALL UTILIZE MULTIPLE SEGMENTED LENS WITH INTERNAL GROOVES. DEVICES SHALL HAVE POWER FAILURE MEMORY, BE COMPLIANT WITH NEMA WD7 2011 AND HAVE TIME DELAYS FROM 10 TO 30 MINUTES.

C. CEILING MOUNTED SENSORS SHALL BE SUPPLIED WITH POWER PACKS AS REQUIRED.

D. FURNISH AND INSTALL AN ELECTRONIC TIME CONTROLLER WHERE INDICATED. CONTROLLER SHALL BE CAPABLE OF SWITCHING 40 AMPERES PER POLE CONTINUOUSLY AT 120 VOLTS AND SHALL BE SPST (DPST, 3PST, DPTDT, SPDT, AS REQUIRED).

E. LIGHTING CONTACTORS SHALL SWITCH A LOAD AT 120 VOLTS, 60 HZ AND SHALL HAVE THE NUMBER OF POLES INDICATED ON THE DRAWINGS. THE CONTACTOR SHALL BE CONTINUOUSLY RATED 20 AMPERES PER POLE FOR ALL TYPES OF BALLAST AND TUNGSTEN LIGHTING AND RESISTANCE LOADS.

F. ALL LIGHTING CONTACTORS SHALL BE ELECTRICALLY HELD AND HAVE A NEMA 1 ENCLOSURE UNLESS OTHERWISE NOTED.

PART 10: FIRE ALARM SYSTEM

A. SYSTEM SHALL BE A CENTRALIZED, ANALOG, ADDRESSABLE, FULLY ELECTRONICALLY SUPERVISED (INCLUDING AUXILIARY SYSTEMS INTERCONNECT WIRING) SYSTEM LISTED BY UL IN COMPLIANCE WITH ALL APPLICABLE NFPA 72 AND OTHER STANDARDS AS WELL AS THE AMERICAN'S WITH DISABILITIES ACT (ADA). ALL FINAL CONNECTIONS, TESTING AND ADJUSTMENTS SHALL BE PERFORMED BY OR UNDER DIRECT SUPERVISION OF AN AUTHORIZED FACTORY REPRESENTATIVE. SYSTEM SHALL BE SIMPLEX, NOTIFIER, EDWARDS OR EQUAL, AS ACCEPTED BY THE ENGINEER. SYSTEM SHALL HAVE A 24HR MINIMUM BATTERY BACKUP. OR NEW DEVICES SHALL BE CONNECTED TO THE EXISTING FIRE ALARM SYSTEM IN COMPLIANCE WITH ALL APPLICABLE NFPA 72 AND OTHER STANDARDS AS WELL AS THE AMERICAN'S WITH DISABILITIES ACT (ADA). ALL FINAL CONNECTIONS, TESTING AND ADJUSTMENTS SHALL BE PERFORMED BY OR UNDER DIRECT SUPERVISION OF AN AUTHORIZED FACTORY REPRESENTATIVE. NEW DEVICES SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM. THE CONTRACTOR SHALL FIELD VERIFY EXACT SYSTEM MANUFACTURER AND TYPE. THE FIRE ALARM SUPPLIER SHALL VERIFY THE EXISTING SYSTEM CAN ACCOMMODATE THE NEW DEVICES PRIOR TO BID. WHEN THE EXISTING SYSTEM CAN NOT HANDLE THE DEVICES, THE FIRE ALARM SUPPLIER SHALL INCLUDE IN THEIR PRICE THE ADDITION OF NOTIFICATION APPLIANCE CIRCUITS (NAC) POWER EXTENDERS AS REQUIRED. SUPPLIER SHALL INCLUDE THE UPDATING OF EXISTING STROBES IN THE RENOVATED AREA SO THAT ALL STROBES, NEW AND EXISTING, ARE SYNCHRONIZED.

B. INITIATING DEVICE ACTIVATION SHALL CAUSE OPERATION OF THE PROPER ZONE ALARM CIRCUIT IN THE CONTROL PANEL, AND OPERATE ALL AUDIBLE INDICATING ALARMS. ALL AIR HANDLING UNITS SHALL BE STOPPED UPON ANY ALARM INPUT. EACH AIR HANDLER UNIT SHALL BE PROVIDED WITH A SYSTEM CONTROLLED RELAY TO EFFECT SHUTDOWN. ALL ALARM DEVICES AND LAMPS SHALL CONTINUE TO OPERATE UNTIL THE INITIATING DEVICE IS RESET. SUBSEQUENT ALARMS SHALL RESOUND THE SYSTEM. AN AUDIBLE AND VISUAL SIGNAL SHALL INDICATE SYSTEM TROUBLE. THE CONTROL PANEL SHALL PROVIDE FOR ACTIVATING A UL LISTED CENTRAL STATION SIGNAL.

C. MANUAL STATIONS SHALL BE NON-CODED, WITH PULL LEVER AND GLASS ROD, SEMI-FLUSH MOUNTED. COMBINATION LIGHT AND HORN SIGNALS SHALL BE FLUSH MOUNTED. WIRING SHALL BE IN CONDUIT AS PREVIOUSLY SPECIFIED, #14 AWG MINIMUM, THHN, THE USE OF PLENUM RATED CABLE IS NOT ALLOWED. ALL JUNCTION BOXES USED FOR THE FIRE ALARM SYSTEM SHALL BE PAINTED RED.

D. SPRINKLER SYSTEM TAMPER SWITCHES SHALL BE CONNECTED INTO A COMMON ZONE WHICH SHALL DISTINGUISH BETWEEN A CIRCUIT FAULT AND A CLOSED VALVE. A CLOSED VALVE SHALL BE INDICATED AS AN ALARM CONDITION, BUT WILL NOT ACTIVATE THE AUDIBLE-VISUAL DEVICES OR CAUSE A SIGNAL TO BE TRANSMITTED TO THE CENTRAL STATION.

E. WHERE REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION, THE FIRE ALARM SUPPLIER SHALL A SEPARATE SET OF PLANS FOR A SEPARATE FIRE ALARM PERMIT. THE ENGINEER IS NOT RESPONSIBLE FOR PRODUCING THESE DRAWINGS OR FOR SUBMITTING FOR THIS PERMIT, IT IS THE SOLE RESPONSIBILITY OF THE FIRE ALARM SUPPLIER.

F. ALL STROBES LOCATED WITHIN THE SAME AREA SHALL BE SYNCHRONIZED.

PART 11: FIRE STOPPING

A. ALL PENETRATIONS OF NON-RATED PENETRATIONS SHALL BE SEALED WITH RATED MATERIALS MEETING ASTM E-814.

B. PROVIDE FIRE STOPPING DEVICE(S) OR SYSTEM(S) WHICH HAVE BEEN TESTED AND LISTED AS COMPLYING WITH ASTM E-814. INSTALL THE DEVICE(S) OR SYSTEM(S) IN ACCORDANCE WITH THE CONDITIONS OF THEIR LISTING. PROVIDE THE APPROPRIATE DEVICE(S) OR SYSTEM(S) WITH AN "F" RATING EQUAL TO THE RATING OF THE ASSEMBLY BEING PENETRATED.

C. DEVICE(S) AND/OR SYSTEM(S) SHALL BE BY HILTI, 3M OR EQUIVALENT.

D. WHERE OPENINGS FOR INSTALLATION OF ELECTRICAL BOXES EXCEEDS 16 SQUARE INCHES IN RATED WALLS OR PARTITIONS, THE OPENING SHALL BE PROTECTED AS REQUIRED BY THE APPROPRIATE WALL LISTING TYPE.

PART 12: RENOVATION OF EXISTING

A. EACH BIDDER SHALL VISIT THE PROJECT SITE PRIOR TO BID AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS. FAILURE TO VISIT THE SITE SHALL NOT EXCUSE THE CONTRACTOR FROM PERFORMING THE REQUIRED WORK NOR SHALL IT BE AN ACCEPTABLE REASON FOR REQUESTING ADDITIONS TO THE CONTRACT.

B. EXISTING PORTIONS OF THE FACILITY SHALL REMAIN IN OPERATION DURING THIS RENOVATION AND/OR ADDITION. THE CONTRACTOR SHALL CAUSE AS LITTLE DISRUPTION AS POSSIBLE TO MAINTAIN THE COMFORT AND SAFETY OF THE BUILDING OCCUPANTS. ALL POWER OUTAGES SHALL BE CLOSELY COORDINATED WITH THE OWNER'S REPRESENTATIVE.

C. PROJECT INVOLVES WORK ON EXISTING ELECTRICAL PANELS AND FEEDERS REQUIRED IN OPERATING THE FACILITY. TEMPORARY POWER ARRANGEMENTS SHALL BE MADE TO SERVE THOSE AREAS AFFECTED BY THIS PROJECT.

SYMBOL SCHEDULE

CONDUIT AND/OR WIRING SYSTEM CONCEALED IN CONSTRUCTION IN FINISHED AREAS, EXPOSED IN UNFINISHED AREAS. NUMBER OF TICKS INDICATED NUMBER OF CONDUCTORS, HOT AND NEUTRAL. NO TICKS INDICATES TWO CONDUCTORS (GROUND WIRES NOT SHOWN)

CONDUIT AND/OR WIRING SYSTEM CONCEALED BELOW FLOOR OR FLOOR SLAB.

CONDUIT TURNING UP

CONDUIT TURNING DOWN

CONDUIT STUB. TERMINATE WITH BUSHING OR CAP IF UNDERGROUND.

BREAK IN CONDUIT, SEE PLAN FOR CONTINUATION.

NON-RIGID RACEWAY SYSTEM

BRANCH CIRCUIT HOMERUN TO PANEL.

J — JUNCTION BOX SIZED PER NEC.

S — SINGLE POLE SWITCH, 20 AMP, 120/277 VOLT, COOPER 1221, OR EQUAL.

S_2 — DOUBLE POLE SWITCH, 20 AMP, 120/277 VOLT, COOPER 1222, OR EQUAL.

S_3 — THREE WAY SWITCH, 20 AMP, 120/277 VOLT, COOPER 1223, OR EQUAL.

S_4 — FOUR WAY SWITCH, 20 AMP, 120/277 VOLT, COOPER 1224, OR EQUAL.

S_D — DIMMER SWITCH, 1200W, 120V. LUTRON NT-SERIES, UNLESS OTHERWISE NOTED. PROVIDE DOUBLE GANG J-BOX FOR DIMMERS 1600W AND ABOVE.

S_M — FRACTIONAL HORSEPOWER MANUAL MOTOR STARTER WITH O.L.'S

S_{OC} — SENSOR SWITCH OR EQUAL. WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY MANUAL ON-AUTO OFF-30MIN. TIMEOUT.

S_{DOC} — SENSOR SWITCH OR EQUAL. WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY CAPABLE OF 0-10V DIMMING. MANUAL ON-AUTO OFF-30MIN. TIMEOUT.

C — SENSOR SWITCH OR EQUAL. CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY MANUAL VIA WALL SWITCH AUTO OFF-30MIN. TIMEOUT. 2000 SQFT COVERAGE. PROVIDE POWER PACKS AND LOW VOLTAGE CONNECTIONS AS REQUIRED.

DUPLEX RECEPTACLE, 15 AMP, 120 VOLT (USE 20 AMP FOR SINGLE RECEPTACLE ON A CIRCUIT.) MOUNT 18" A.F.F., U.O.N., COOPER 5252 OR EQUAL.

DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER BACKSPLASH, OR AT 48" A.F.F. U.O.N., COOPER 5252 OR EQUAL.

DOUBLE DUPLEX RECEPTACLE MOUNT AT 18" A.F.F. TWO NEMA 5-15R DUPLEX RECEPTACLES IN A COMMON BOX AND COVER PLATE.

GFCI — GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE. NEMA 5-20R DUPLEX. ALL RECEPTACLES INSTALLED OUTSIDE, WITHIN 6' OF A SINK OR IN A KITCHEN SHALL BE GFCI.

EWC — GROUND FAULT NEMA 5-20R DUPLEX RECEPTACLE FOR ELECTRIC WATER COOLER COORDINATE LOCATION WITH PLUMBING CONTRACTOR.

USB — DOUBLE DUPLEX RECEPTACLE MOUNT AT 18" A.F.F., U.O.N. COOPER TR7745 OR EQUAL.

WP — WEATHERPROOF RECEPTACLE. NEMA 5-15R DUPLEX. COVER SHALL BE COOPER #1991 WHERE MOUNTED HORIZONTAL AND #4966 WHERE MOUNTED VERTICAL.

DUPLEX RECEPTACLE MOUNTED IN "F" FOR FLOOR AND "C" FOR CEILING. FLOOR BOX SHALL BE CAST ALUMINUM WITH BRASS COVER.

H-22 — WALL MOUNTED CONNECTION TO KITCHEN EQUIPMENT, NUMBER INDICATES TYPE, SEE KITCHEN EQUIPMENT SCHEDULE.

22 — CONNECTION TO KITCHEN EQUIPMENT FROM FLOOR OR CEILING, NUMBER INDICATES TYPE, SEE KITCHEN EQUIPMENT SCHEDULE.

M — FRACTIONAL HORSEPOWER MOTOR CONNECTION.

3 — MOTOR CONNECTION, NUMBER INDICATES HORSEPOWER.

CONNECTION FOR WATER HEATER, VOLTAGE, PHASE AND SIZE AS INDICATED.

CONNECTION FOR WALL HEATER, VOLTAGE, PHASE AND SIZE AS INDICATED.

TV — TELEVISION OUTLET, DOUBLE GANG BOX WITH SINGLE GANG OPENING, MOUNT AT 18" A.F.F. WITH 3/4" E.C. TO ABOVE ACCESSIBLE CEILING. CABLE PROVIDED BY OTHERS.

TELE/DATA OUTLET, DOUBLE GANG BOX WITH SINGLE GANG OPENING, MOUNT AT 18" A.F.F. WITH 3/4" E.C. TO ABOVE ACCESSIBLE CEILING. CABLE PROVIDED BY OTHERS.

TELE/DATA OUTLET, DOUBLE GANG BOX WITH SINGLE GANG OPENING, MOUNT ABOVE COUNTER BACKSPLASH OR AT HEIGHT NOTED, ALL OTHER THE SAME AS ABOVE.

TELE/DATA OUTLET MOUNTED IN "F" FOR FLOOR AND "C" FOR CEILING. FLOOR BOX SHALL BE CAST ALUMINUM WITH BRASS COVER.

ACRYLIC LENSED LIGHTING FIXTURE. LETTER IS FIXTURE TYPE, SEE LIGHT FIXTURE SCHEDULE. SUSPEND TWO OPPOSITE CORNERS WITH #10 AWG WIRE TO STRUCTURE AND ATTACH THE REMAINING TWO CORNERS TO THOSE WIRES. GRID ALONE SHALL NOT SUPPORT FIXTURE.

DIRECT INDIRECT LIGHTING FIXTURE. LETTER IS FIXTURE TYPE, SEE LIGHT FIXTURE SCHEDULE. SUSPEND TWO OPPOSITE CORNERS WITH #10 AWG WIRE TO STRUCTURE AND ATTACH THE REMAINING TWO CORNERS TO THOSE WIRES. GRID ALONE SHALL NOT SUPPORT FIXTURE.

STRIP FLUORESCENT LIGHT FIXTURE. LETTER INDICATES TYPE, SEE LIGHT FIXTURE SCHEDULE. INDEPENDENTLY SUPPORT FIXTURE TO STRUCTURE UNLESS MOUNTED ON STRUCTURAL CEILING.

ROUND RECESSED OR SURFACE MOUNTED LIGHT FIXTURE. LETTER INDICATES FIXTURE TYPE, SEE LIGHT FIXTURE SCHEDULE. INDEPENDENTLY SUPPORT FIXTURE TO STRUCTURE UNLESS SURFACE MOUNTED TO A STRUCTURAL CEILING.

WALL MOUNTED ROUND LIGHT FIXTURE. LETTER INDICATES TYPE, SEE LIGHT FIXTURE SCHEDULE.

WALL MOUNTED LINEAR LIGHT FIXTURE. LETTER INDICATES TYPE, SEE LIGHT FIXTURE SCHEDULE.

ROUND, RECESSED OR SURFACE MOUNTED WALL WASH FIXTURE. LETTER INDICATES TYPE, SEE LIGHT FIXTURE SCHEDULE. INDEPENDENTLY SUPPORT FIXTURE TO STRUCTURE UNLESS SURFACE MOUNTED TO A STRUCTURAL CEILING.

DIRECTIONAL LIGHT FIXTURE, ARROW INDICATES DIRECTION OF AIMING. LETTER INDICATES TYPE, SEE LIGHT FIXTURE SCHEDULE. FIXTURE USUALLY MOUNTED ON TRACK, BUT IF NOT INDEPENENTLY SUPPORT TO STRUCTURE.

LIGHTING TRACK WITH NUMBER OF FIXTURES AS INDICATED. LETTER INDICATES TYPE, SEE LIGHT FIXTURE SCHEDULE.

FIXTURE WITH INTEGRAL 1100 LUMEN BATTERY INVERTER AND/OR ON EMERGENCY LIGHTING CIRCUIT. LETTER INDICATES TYPE, SEE LIGHT FIXTURE SCHEDULE FOR TYPE AND FOR BATTERY REQUIREMENT. SUPPORT FIXTURES IN SAME MANNER AS LISTED ABOVE.

FIXTURE WITH INTEGRAL 600 LUMEN BATTERY INVERTER AND/OR ON EMERGENCY LIGHTING CIRCUIT. LETTER INDICATES TYPE, SEE LIGHT FIXTURE SCHEDULE FOR TYPE AND FOR BATTERY REQUIREMENT. SUPPORT FIXTURES IN SAME MANNER AS LISTED ABOVE.

WALL MOUNTED EMERGENCY LIGHTING BATTERY PACK FIXTURE, SEE LIGHT FIXTURE SCHEDULE.

CEILING OR WALL MOUNTED EXIT SIGN RESPECTIVELY. SOLID SPACES INDICATE FACES. PROVIDE ARROWS AS INDICATED ON PLANS. SEE LIGHT FIXTURE SCHEDULE.

WALL MOUNTED COMBINATION EMERGENCY BATTERY PACK AND EXIT SIGN. SEE LIGHT FIXTURE SCHEDULE.

BOLLARD SITE LIGHT. LETTER INDICATES TYPE, SEE LIGHT FIXTURE SCHEDULE.

GROUND MOUNTED FLOOD LIGHT, SEE DETAIL FOR MOUNTING. LETTER INDICATES TYPE, SEE LIGHT FIXTURE SCHEDULE.

IC — FLUSH MOUNTED WALL INTERCOM SWITCH.

VC — FLUSH MOUNTED WALL VOLUME CONTROL.

PUSHBUTTON.

CR — CARD READER.

NONFUSED DISCONNECT SWITCH, SIZE AS INDCIATED ON DRAWINGS, NEMA 1 ENCLOSURE U.O.N.

FUSED DISCONNECT SWITCH, SIZE AS INDICATED ON DRAWINGS, FUSE PER NAMEPLATE DATA OR AS INDICATED, NEMA 1 ENCLOSURE U.O.N.

LIGHTING AND/OR POWER PANEL BOARD, SURFACE MOUNTED WITH REQUIRED CODE CLEARANCE. SEE PANEL SCHEDULE FOR AMPERAGE.

LIGHTING AND/OR POWER PANEL BOARD, RECESSED MOUNTED WITH REQUIRED CODE CLEARANCE. SEE PANEL SCHEDULE FOR AMPERAGE.

DISTRIBUTION PANEL BOARD, SURFACE MOUNTED WITH REQUIRED CODE CLEARANCE. SEE PANEL SCHEDULE FOR AMPERAGE.

DISTRIBUTION PANEL BOARD, RECESSED MOUNTED WITH REQUIRED CODE CLEARANCE. SEE PANEL SCHEDULE FOR AMPERAGE.

PLYWOOD TELEPHONE OR DATA BACKBOARD. SIZE AS INDICATED ON THE RESPECTIVE RISER DIAGRAM.

ΔY — DRY TYPE TRANSFORMER. SEE POWER RISER DIAGRAM FOR SIZE. TRANSFORMER SHALL BE FLOOR MOUNTED UNLESS OTHERWISE NOTED.

WALL MOUNTED UTILITY METER.

ENERGY CODE NOTATION:

WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER, INCLUDING: 1. A SINGLE-LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM AND 2. FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION.
(REF: FBC-EC C405.5.4.1 – 7TH EDITION).

AN OPERATING MANUAL AND MAINTENANCE MANUAL BE PROVIDED TO THE BUILDING OWNER. THE MANUALS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING: 3. SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. 4. OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED. 5. NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.
(REF: FBC-EC 405.5.4.2 – 7TH EDITION).

FINAL INSPECTION NOTATION:

PRIOR TO PASSING FINAL INSPECTION, THE REGISTERED DESIGN PROFESSIONAL SHALL PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDIT

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	LAMPS	FIXTURE WATTAGE	VOLTAGE	DESCRIPTION
R-1	MKS LIGHTING OR EQUAL	MKS/NDL/6NT/32W/E/35K	LED 1,980 LUMENS 3500K	32W	120V	6" APERATURE RECESSED LED DOWNLIGHT.
R-2	MKS LIGHTING OR EQUAL	MKS/NDL/2H/D/32W/E/35K	LED 3500K	32W	120V	RECESSED NARROW EDGE LED MULTILIGHT. ADJUST HEADS PER OWNER DIRECTION.
R-3	MKS LIGHTING OR EQUAL	MKS/ADL/WW/6/32W/D/E/35K	LED 1,980 LUMENS 3500K	32W	120V	6" APERATURE RECESSED LED WALL WASH DOWNLIGHT.
R-4	MKS LIGHTING OR EQUAL	MKS/NDL/6NT/32W/E/35K MKS/DLT/6R/BL	LED 1,980 LUMENS 3500K	32W	120V	6" APERATURE LENSED RECESSED LED DOWNLIGHT.
R-5	INTER-LUX OR EQUAL	ORMA R SS-E96098-W-60-5	LED 3000K	10W	120V	RECESSED LED DOWNLIGHT.
F-1	RENOVA LIGHTING OR EQUAL	22-N-L030-UNV-DM-C30-AF	LED 3,000 LUMENS 3000K	23.39W	120V	RECESSED 2X2 LED TROFFER.
F-2	RENOVA LIGHTING OR EQUAL	24-N-L040-UNV-DM-C35-AF	LED 4,000 LUMENS 3500K	29.24W	120V	RECESSED 2X4 LED TROFFER.
F-3	RENOVA LIGHTING OR EQUAL	SVN-14-N-L040-UNV-DM-C30-AF-GW	LED 4,000 LUMENS 3000K	29.24W	120V	SURFACE MOUNTED 1X4 LED FIXTURE.
W-1	TRINITY LIGHTING OWNER FURNISHED FOR REFERENCE ONLY	CUSTOM FIXTURE	LED	10W	120V	WALL MOUNTED DECORATIVE LED FIXTURE. PROVIDED BY THE OWNER AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE EXACT REQUIREMENTS PRIOR TO ROUGH-IN.
W-2	RENOVA LIGHTING OR EQUAL	ECS-SWA4-N-L036-UNV-SD-C50 FSS05-AF-TW	LED 3000K	30W	120V	WALL MOUNTED LED FIXTURE WITH INTEGRAL OCCUPANCY SENSOR AND EMERGENCY DRIVER. 90 MINUTE MINIMUM BATTERY.
OA6	GOTHAM LIGHTING	EVO 30/30 6ARBLANK LSS MVOLT EZ10	LED	20W	120V	6" APERATURE RECESSED LED DOWNLIGHT.
OA4	GOTHAM LIGHTING	EVO 30/30 4ARBLANK LSS MVOLT EZ10	LED	20W	120V	4" APERATURE RECESSED LED DOWNLIGHT.
OA	COOPER LIGHTING	3002A-RD 25LED2700-NFL-DIF-UNV -BK	LED 3000K	25W	120V	IN GRADE ADJUSTABLE LED FLOOD FIXTURE. WET LOCATION LISTED. BLACK FINISH.
OB	ACCLAIM OR EQUAL	FLEXPE3 W/ FLKEXL TRACK	LED	5.5W/FT	120V	LED STRIP FIXTURE.
OC	COOPER LIGHTING OR EQUAL	9004 W2 RW LED 3090 S S BZ L2 UNV RSM	LED 3000K	20W	120V	WALL MOUNT LED CYLINDER.
OD	INTER-LUX LIGHTING OR EQUAL	ORMA R SS-E96098-W-60-5	LED 3000K	20W	120V	RECESSED LED DOWNLIGHT WITH EXTENDED STAINLESS STEEL MOUNTING SCREWS.
PA-201	TRINITY LIGHTING OWNER FURNISHED FOR REFERENCE ONLY	CUSTOM FIXTURE	LED	85W	120V	PENDANT MOUNTED LED FIXTURE. PROVIDED BY THE OWNER AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE EXACT REQUIREMENTS PRIOR TO ROUGH-IN.
PA-203	TRINITY LIGHTING OWNER FURNISHED FOR REFERENCE ONLY	CUSTOM FIXTURE	LED	17W	120V	PENDANT MOUNTED LED FIXTURE. PROVIDED BY THE OWNER AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE EXACT REQUIREMENTS PRIOR TO ROUGH-IN.
PA-206	TRINITY LIGHTING OWNER FURNISHED FOR REFERENCE ONLY	CUSTOM FIXTURE	LED	25W	120V	PENDANT MOUNTED LED FIXTURE. PROVIDED BY THE OWNER AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE EXACT REQUIREMENTS PRIOR TO ROUGH-IN.
PA-206	TRINITY LIGHTING OWNER FURNISHED FOR REFERENCE ONLY	CUSTOM FIXTURE	LED	25W	120V	PENDANT MOUNTED LED FIXTURE. PROVIDED BY THE OWNER AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE EXACT REQUIREMENTS PRIOR TO ROUGH-IN.
U-1	EATON LIGHTING OR EQUAL	HU10-36-D-9-30 HU101	LED	10W	120V	LED UNDER CABINET FIXTURE.
	CARPENTER LIGHTING OR EQUAL	DXT SERIES	LED	3.2W	120V	THIN CAST ALUMINUM LED EXIT SIGN. RED LETTERS. 90MIN MINIMUM OPERATION. NICAD BATTERY. WHITE HOUSING. RED LETTERS & ARROWS.
	CARPENTER LIGHTING OR EQUAL	CCKXE SERIES	LED	4.6W	120V	THIN CAST ALUMINUM LED EXIT SIGN/EMERGENCY LIGHT COMBO. RED LETTERS. 90MIN MINIMUM OPERATION. NICAD BATTERY. WHITE HOUSING. RED LETTERS. DUAL HEADS ONLY.
	CARPENTER LIGHTING OR EQUAL	CEW-18-Y-W	LED	18W	120V	WALL MOUNTED SELF CONTAINED EMERGENCY LIGHT POLYCARBONATE HOUSING WITH SELF-CONTAINED POWER PACK FOR 90MIN. OPERATION. WHITE HOUSING. DUAL HEADS ONLY.
	CARPENTER LIGHTING OR EQUAL	AWEL2-B-E-CW	LED	18.47W	120V	EXTERIOR EMERGENCY LIGHT WITH BATTERY BACKUP. AND UL WET LABEL, BLACK FINISH.

FIXTURE NOTES:

1. FIXTURES SPECIFIED PER FRANCHISE LIGHTING FIXTURE SPECIFICATIONS. SUBSTITUTIONS MUST BE APPROVED BY HILTON AND THE OWNER PRIOR TO SUBMITTING AN ALTERNATE FIXTURE PACKAGE. SUBSTITUTIONS MUST BE EQUAL IN CONSTRUCTION, FINISH, ENERGY USAGE AND PHOTOMETRY. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER, WITH CUT SHEETS AND PHOTOMETRY. THE ENGINEER MUST RECEIVE THESE WITH TIME ALLOWED TO REVIEW AND ISSUE A WRITTEN APPROVAL BACK TO THE SUBMITTING PARTY TEN(10) DAYS PRIOR TO BID. SUBSTITUTE FIXTURES SHALL BE LISTED SEPARATELY AND UNIT PRICED AT TIME OF BID, SO THAT THE ENGINEER AND OWNER CAN MAKE AN INFORMED DECISION. NO SUBSTITUTIONS WILL BE CONSIDERED AFTER THE 10 DAY PRIOR BID PROCESS ENDED.
2. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT FIXTURE LOCATIONS.
3. SUSPEND TWO OPPOSITE CORNERS WITH WIRE TO STRUCTURE. DO NOT ALLOW GRID ALONE TO SUPPORT FIXTURE.
4. WHERE FIXTURE IS INDICATED AS EMERGENCY PROVIDE AN 1100 LUMEN INVERTER BATTERY PACK AND CONNECT AS INDICATED ON DETAIL THIS SHEET.
5. FIXTURE FLANGES AND TRIMS SHALL MATCH CEILING TYPES.
6. THE CONTRACTOR SHALL VERIFY THE LEAD TIME OF ALL PRODUCTS SPECIFIED IN THIS SCHEDULE AT THE TIME OF PACKAGE QUOTE. DURING THE BID PROCESS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DELIVERY/SCHEDULING ISSUES. NO SUBSTITUTIONS WILL BE ALLOWED DUE TO LACK OF COORDINATION OF DELIVERY DATES AND CONSTRUCTION SCHEDULE AFTER BID. ALL EXPEDITED EXPENSES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

SURGE PROTECTION DEVICE SPECIFICATION

A. SPD SHALL COMPLY WITH THE FOLLOWING STANDARDS:
   1. UNDERWRITERS LABORATORIES, INC. STANDARD NO. 1449, SECOND EDITION.
   2. IEEE STANDARD C62.11-1987;C62.33-1982;C62.41-1991; AND C62.45-1987.
   3. NATIONAL ELECTRICAL CODE ARTICLE 240-21 (EQUIPMENT COMPLYING WITH TAP CONDUCTOR RULES) AND ARTICLE 110-9 (INTERRUPTING CAPACITY).
   4. NEMA LS-1,1992.

B. SPECIFICATIONS FOR THE LIFE OF THE UNIT SHALL BE INCLUDED IN TERMS OF THE NUMBER OF "HITS" EACH UNIT CAN WITHSTAND IN THE LINE-TO-NEUTRAL MODE AT SPECIFIC SURGE CURRENT LEVELS BEFORE UNIT FAILURE UTILIZING THE CATEGORY C2 8X20 MICROSECOND CURRENT WAVEFORM TEST.

C. JOULE RATINGS SHALL BE INCLUDED ON THE SUBMITTALS.

D. SUBMIT TEST RESULTS (GRAPHS) FOR THE APPROPRIATE NEMA LS1 TESTS FOR ALL MODELS SUBMITTED SHOWING ACTUAL LET THROUGH VOLTAGES (USING 6" LEAD LENGTH AS MEASURED FROM THE POINT WHERE THE CONNECTION CONDUCTORS EXIT THE SPD ENCLOSURE).
   1. LEAD LENGTH MUST BE SPECIFIED AS WELL AS ALL APPLICABLE TEST PARAMETERS NECESSARY TO PERFORM A COMPLETE EVALUATION OF TEST RESULTS.
   2. H1 & H2 UNITS SHALL BE STATIC TESTED.
   3. L1 & L2 UNITS SHALL BE DYNAMIC TESTED @ 90 DEGREE PHASE ANGLE.

E. UNITS SHALL CONSIST OF PARALLEL CONNECTIONS ONLY. SERIES ELEMENTS ARE NOT ACCEPTABLE.

F. THE TRANSIENT SUPPRESSION DEVICE MUST BE UL LISTED UNDER THE UL 1449, JULY 1987 REVISION, AS A COMPLETE ENTITY. LISTED UL LET THROUGH VOLTAGE RATING MUST BE CLEARLY STATED.

G. UNIT SHALL EMPLOY METAL OXIDE VARISTORS AS THE PRIMARY SUPPRESSION TECHNOLOGY.

H. SYSTEM VOLTAGES:
   1. 208Y/120V, 3ø, 4 WIRE

I. THE FOLLOWING MODELS ARE ACCEPTABLE (OR APPROVED EQUAL):
   1. TYPE L1(120/208V, 3ø,4 WIRE SERVICE PANEL DEVICE) (400KA PER PHASE 200kA MIN. PER MODE.)
      a. CURRENT TECHNOLOGY #TG 200 120/208 3GY L1
      b. PSP #H2C400-MHWID
      c. CUTLER HAMMER #CPS-S3-208Y-SD-RSX-CX
      d. LIEBERT #LM 200-120Y-ANSE
   2. TYPE L2(120/208V, 3ø,4 WIRE BRANCH PANEL DEVICE) (160KA PER PHASE, 80kA MIN. PER MODE.)
      a. CURRENT TECHNOLOGY #TG 100 120/208 3GY
      b. PSP #H2C200-04-N
      c. CUTLER HAMMER #CPS-BX-208Y-SD-RSX-CX
      d. LIEBERT #LM 100-120Y-ANSE

J. ADDITIONAL FEATURES
   1. UNLIMITED KVA OR AMPERE RATING OF PROTECTED LOAD.
   2. LED INDICATORS SHALL BE UTILIZED TO INDICATE FAILURE OF PROTECTION MODULES.
   3. ALL UNITS SHALL BE ENCLOSED IN A WALL MOUNTABLE HEAVY DUTY ENCLOSURE EQUIVALENT TO A NEMA 12 RATING.
   4. 5 YEAR UNCONDITIONAL WARRANTY.

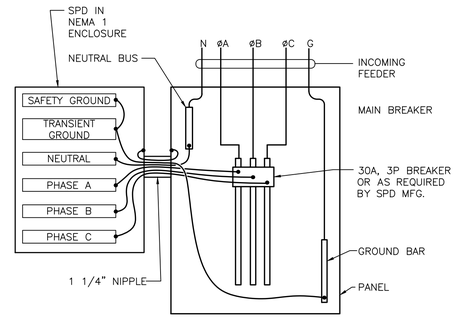
K. UNITS SHALL BE INSTALLED OF THE SAME VOLTAGE RATING AS THE INTENDED PROTECTED EQUIPMENT.

L. INSTALL UNITS WITH SHORTEST POSSIBLE LEAD LENGTH (MAXIMUM OF 18" FOR TYPE H1 AND H2 UNITS, MAXIMUM OF 6" FOR TYPE L1 AND L2 UNITS). WHERE CONDUIT IS NECESSARY TO INSTALL LEAD CONNECTION CONDUCTORS, LEADS SHALL BE INSTALLED IN RIGID NON-METALLIC CONDUIT AND SHALL NOT CONTAIN UNNECESSARY BENDS OR LOOPS.

M. INSTALL ALL H1 AND L1 UNITS ON OR IMMEDIATELY ADJACENT TO THE DISTRIBUTION SECTION OF THE SERVICE GEAR ENCLOSURES WHERE THE CONNECTION LEAD LENGTH CAN BE KEPT AS SHORT AS POSSIBLE BUT ALSO SO THAT THE INSTALLATION WILL NOT INTERFERE WITH REMOVAL OF SERVICE GEAR PANELS. PROVIDE A DEDICATED 30A,3-POLE CIRCUIT BREAKER IN SERVICE GEAR FOR CONNECTION TO EACH UNIT.

N. INSTALL ALL H2 AND L2 UNITS IMMEDIATELY ADJACENT TO THE PANEL ENCLOSURES.

O. SPD SHALL HAVE A SHORT CIRCUIT RATING EXCEEDING THE FAULT CURRENT AVAILABLE AT THE SERVICE ENTRANCE POINT.



NOTES:
1. ALL WIRING SHALL BE #8 AWG.
2. AVOID SHARP BENDS IN WIRES. ALL WIRE LENGTHS SHALL NOT EXCEED 18" (WHERE POSSIBLE).
3. SEE SPD SPECIFICATION FOR EXACT TYPE (H1, H2, L1, L2) FOR LOCATION AS INDICATED ON THE POWER RISER DIAGRAM.

1 / E002 SPD CONNECTION DETAIL
NO SCALE

HVAC AND PLUMBING EQUIPMENT SCHEDULE

DEVICE	VOLTAGE	PHASE	KW	FLA	HP	MCA	MOCP	DISCONNECT
HP-1	208V	1	.	.	.	32.0	50	60/F50-2P-3R
HP-2	208V	1	.	.	.	15.0	25	30/F25-2P-3R
HP-3	208V	1	.	.	.	24.0	40	60/F40-2P-3R
HP-4	208V	1	.	.	.	18.0	30	30/F30-2P-3R
HP-5	208V	1	.	.	.	15.0	25	30/F25-2P-3R
HP-6	208V	1	.	.	.	15.0	25	30/F25-2P-3R
HP-7	208V	1	.	.	.	32.0	50	60/F50-2P-3R
HP-8	208V	1	.	.	.	24.0	40	60/F40-2P-3R
HP-9	208V	1	.	.	.	18.0	30	30/F30-2P-3R
HP-10	208V	1	.	.	.	15.0	25	30/F25-2P-3R
SS1-1,2	208V	1	.	.	.	1.0	15	2-POLE SWITCH
SS0-1,2	208V	1	.	.	.	13.0	25	30/F25-2P-3R
WH-1	120V	1	.	.	.	.	.	MANUAL MOTOR STARTER
ESP	120V	1	.	.	4/10	.	.	MANUAL MOTOR STARTER
BP-1	208V	1	.	.	2(3)	.	.	60/FPN-2P
RCP	120V	1	0.115	.	.	.	.	MANUAL MOTOR STARTER
EWH-1	208V	1	2.0	.	.	.	.	INTEGRAL
EWH-2	120V	1	1.0	.	.	.	.	INTEGRAL
DOAS-1	208V	3	.	.	.	167.0	175	200/F175-3P-3R
DOAS-2	208V	3	.	.	.	124.0	150	200/F150-3P-3R

DEVICE	VOLTAGE	PHASE	KW	FLA	HP	MCA	MOCP	DISCONNECT
AH-1	208V	1	.	.	.	58.0	60	60/F60-2P
AH-2	208V	1	.	.	.	44.0	45	60/F45-2P
AH-3	208V	1	.	.	.	55.0	60	60/F60-2P
AH-4	208V	1	.	.	.	45.0	45	60/F45-2P
AH-5	208V	1	.	.	.	44.0	45	60/F45-2P
AH-6	208V	1	.	.	.	29.0	30	30/F30-2P
AH-7	208V	1	.	.	.	58.0	60	60/F60-2P
AH-8	208V	1	.	.	.	55.0	60	60/F60-2P
AH-9	208V	1	.	.	.	45.0	45	60/F45-2P
AH-10	208V	1	.	.	.	29.0	30	30/F30-2P
EF-1	120V	1	0.045	.	.	.	.	MANUAL MOTOR STARTER
EF-2	120V	1	0.172	.	.	.	.	MANUAL MOTOR STARTER
EF-3	120V	1	0.150	.	.	.	.	MANUAL MOTOR STARTER
EF-4	120V	1	0.150	.	.	.	.	MANUAL MOTOR STARTER
EF-5	120V	1	0.083	.	.	.	.	MANUAL MOTOR STARTER
EF-6	120V	1	0.172	.	.	.	.	MANUAL MOTOR STARTER
EF-7	120V	1	0.172	.	.	.	.	MANUAL MOTOR STARTER
EF-8	120V	1	0.150	.	.	.	.	MANUAL MOTOR STARTER
EF-9	120V	1	.	.	1/4	.	.	MANUAL MOTOR STARTER
EF-10	120V	1	.	.	1/4	.	.	MANUAL MOTOR STARTER
EF-11	120V	1	0.172	.	.	.	.	MANUAL MOTOR STARTER
PTAC-A,B	208V	1	.	.	.	19.5	20	RECEPTACLE (COORD. NEMA CONFIG.)

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-5943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20607 ENGINEER E. DEAN BELK
09-11-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

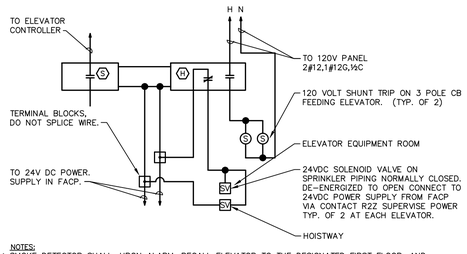
revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: MSM
checked by: EDB
project no: 25-104

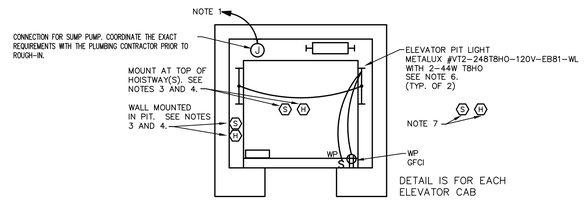
ELECTRICAL SCHEDULES AND DETAILS

E002



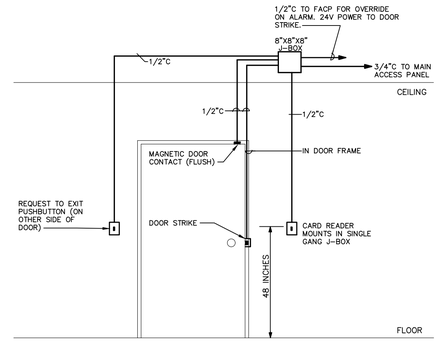
NOTES:
1. SMOKE DETECTOR SHALL, UPON ALARM, RECALL ELEVATOR TO THE DESIGNATED FIRST FLOOR, AND LOCK OUT ELEVATOR VIA ELEVATOR EQUIPMENT. HEAT DETECTOR SHALL BE FIXED TYPE WITH 135° SETTING AND WHEN IN ALARM AND ACTIVATES 120V SHUNT-TRIP TO ELEVATOR FEEDER BREAKER WITHIN PANEL. ALL DISCONNECTS SERVING ELEVATOR MOTOR CONTROLLER AND ELEVATOR CAB LIGHTS SHALL BE NEMA 3R CONSTRUCTION WITH EMBOSSED CONDUIT HUBS.
2. HEAT DETECTOR WITHIN ELEVATOR EQUIPMENT ROOM SHALL BE CONNECTED TO A DEDICATED FIRE ALARM ZONE SERVING THIS ROOM ONLY. THE SMOKE DETECTOR SHALL BE CONNECTED TO A SEPARATE DEDICATED FIRE ALARM ZONE.

13 / E003 ELEVATOR FIRE ALARM SHUTDOWN CONTROL SCHEMATIC
NO SCALE

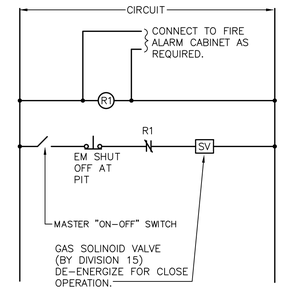


NOTES:
1. CONNECT TO 120V CIRCUIT. SEE PLANS FOR EXACT CIRCUIT DESIGNATION.
2. COORDINATE EXACT LOCATION OF ALL DEVICES WITH THE ELEVATOR SHOP DRAWINGS.
3. MOUNT SMOKE AND HEAT DETECTORS WITHIN 2'-0" OF SPRINKLER HEADS. SMOKE DETECTORS SHALL, UPON ALARM, RECALL ELEVATOR TO THE APPROPRIATE LEVEL, AND LOCK OUT ELEVATOR VIA ELEVATOR EQUIPMENT. HEAT DETECTORS SHALL CONTROL MAIN ELEVATOR POWER. SEE ELEVATOR FIRE ALARM SHUTDOWN CONTROL SCHEMATIC. HEAT DETECTORS SHALL HAVE A LOWER RESPONSE TIME INDEX (135°F) COMPARED TO THE SPRINKLER HEADS IN THE HOISTWAY.
4. WHERE HOISTWAY IS NOT SPRINKLERED, DO NOT PROVIDE SMOKE OR HEAT DETECTORS IN THE HOISTWAY.
5. LOCATE PIT LIGHT SWITCH AND CONVENIENCE RECEPTACLE ADJACENT TO ACCESS DOOR.
6. LIGHTS SHALL NOT BE CONNECTED TO THE LOAD SIDE TERMINALS OF THE CONVENIENCE RECEPTACLE.
7. MOUNT CENTERED IN ELEVATOR MACHINE ROOM.
8. MOUNT IN ELEVATOR LOBBY AT EACH LEVEL WITHIN 15'-0" OF DOOR.
9. THE SMOKE DETECTOR(S) LOCATED IN THE DESIGNATED ELEVATOR RECALL LOBBY(S) SHALL ACTUATE THE FIRST ELEVATOR CONTROL CIRCUIT. THE SMOKE DETECTORS IN THE REMAINING ELEVATOR LOBBIES SHALL ACTUATE THE SECOND ELEVATOR CONTROL CIRCUIT. THE SMOKE DETECTORS IN THE HOISTWAY(S) AND ELEVATOR MACHINE ROOM(S) SHALL ACTUATE THE THIRD ELEVATOR CONTROL CIRCUIT, AND WHERE A MACHINE ROOM IS LOCATED AT THE DESIGNATED LEVEL, THAT ELEVATOR MACHINE ROOM SMOKE DETECTOR SHALL ALSO ACTUATE THE FIRST ELEVATOR CONTROL CIRCUIT.

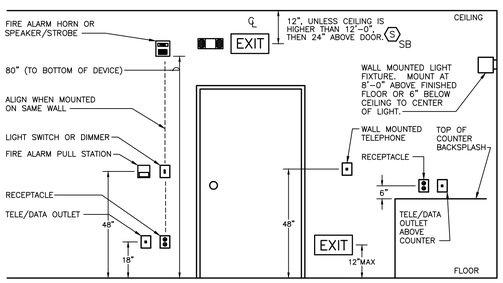
12 / E003 ELEVATOR HOISTWAY DETAIL
NO SCALE



11 / E003 DOOR ACCESS CONTROL ELEVATION
NO SCALE

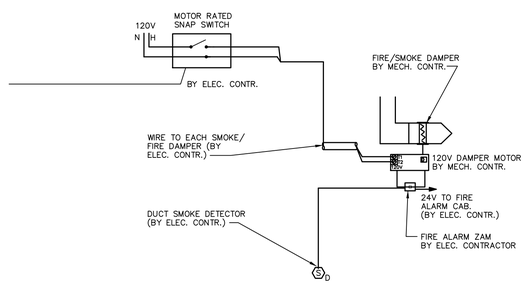


14 / E003 FIRE PIT CONTROL + WIRING DETAIL
NO SCALE



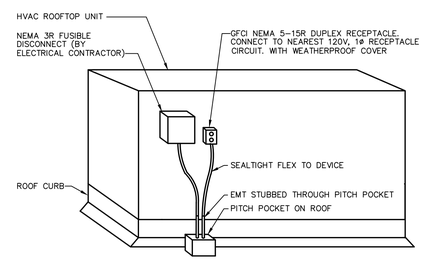
NOTES:
1. ALL DIMENSIONS ARE TO CENTER LINE OF DEVICE, UNLESS OTHERWISE NOTED.

10 / E003 DEVICE MOUNTING ELEVATION
NO SCALE



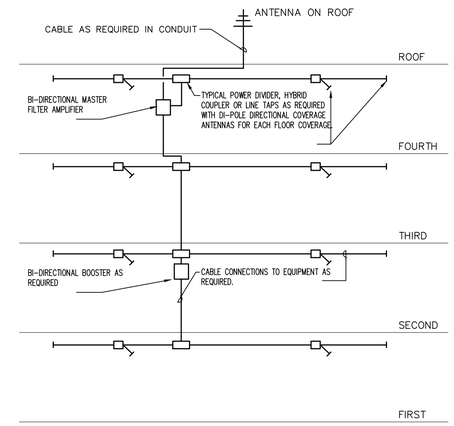
NOTES:
1. ALL FIRE/SMOKE DAMPERS SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR. ALL FIRE ALARM WIRING INSTALLED BY ELECTRICAL CONTRACTOR. 120V WIRING TO DAMPER PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.

9 / E003 SMOKE/FIRE DAMPER WIRING DETAIL
NO SCALE



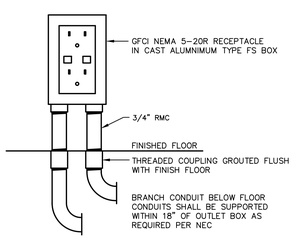
NOTE: TYPICAL FOR ALL ROOF MOUNTED HVAC EQUIPMENT.

8 / E003 ROOFTOP RECEPTACLE DETAIL
NO SCALE

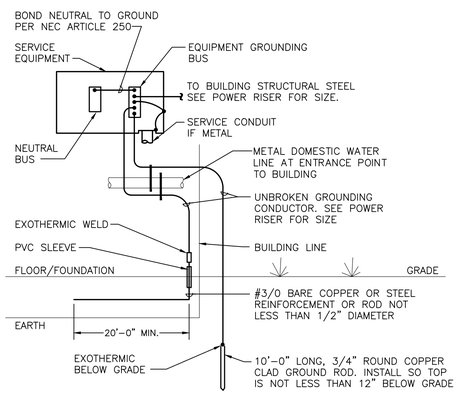


BI-DIRECTIONAL AMPLIFIER (BDA) SYSTEM REQUIREMENTS:
1. CONTRACTOR SHALL OBTAIN A BID FROM QUALIFIED COMPANY FOR THE INSTALLATION OF A SYSTEM AS REQUIRED BY THE TOWN. SEE ARTICLE V COMMERCIAL BUSINESS EMERGENCY SYSTEMS AMPLIFICATION REQUIREMENTS, SECTIONS 22-83; 22-85 THROUGH 22-88.
2. SYSTEM IS USED TO AMPLIFY THE EMERGENCY SYSTEM RADIO FREQUENCY AND IS REQUIRED IN BUILDINGS 50,000S.F. AND LARGER.
3. SOME HIGHLIGHTS ARE IT MUST HAVE 24HR BATTERY BACKUP, BE 24MHZ, BE GROUNDED TO ACHIEVE 5 OHMS OR LESS, ETC.
4. ONE MANUFACTURER OF EQUIVALENT MATERIAL IS EMR CORP, SEE EMRCORP.COM. THERE ARE NUMEROUS THAT CAN DO THE WORK AND RECOMMEND INSTALLERS IN THE AREA.
5. BDA EQUIPMENT SHALL BE INSTALLED IN THE FOLLOWING 2-HOUR RATED ROOMS.
   1ST FLOOR ELECTRICAL ROOM – #030
   2ND THRU 5TH FLOOR ELECTRICAL ROOMS – #295,#395,#495,#595
6. COAXIAL CABLING SHALL BE PLENUM RATED 2-HOUR FIRE RATED CABLING.
7. SYSTEM SHALL COMPLY WITH NFPA 1, SECTION 11.10.

7 / E003 BI-DIRECTIONAL AMPLIFIER SYSTEM DIAGRAM
NO SCALE

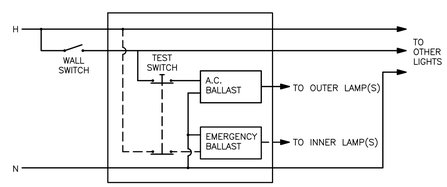


6 / E003 STUBBED UP RECEPTACLE DETAIL
NO SCALE

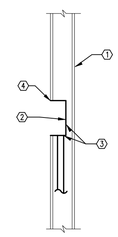


RESISTANCE TO GROUND SHALL BE LESS THAN 25 OHMS

5 / E003 SERVICE GROUNDING DETAIL
NO SCALE



4 / E003 SWITCHED EMERGENCY LIGHTING WIRING
NO SCALE

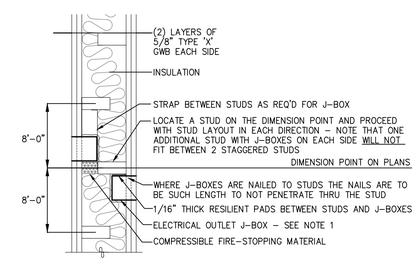


1. 1 OR 2 HOUR WALL ASSEMBLY EQUIVALENT TO UL300 OR UL400 SERIES.
2. ELECTRICAL OUTLET BOX, NOT MORE THAN 100 SQUARE INCHES PER 100 SQUARE FEET WALL AREA.
3. MOLDABLE PUTTY PADS ARE TO BE INSTALLED TO COMPLETELY COVER THE EXTERIOR SURFACES OF THE BOX WITHIN THE STUD CAVITY WITH A BALL OF THE PUTTY MATERIAL USED TO PLUG THE END OF EACH ELECTRICAL METALLIC TUBE OR CONDUIT AT ITS CONNECTION TO THE BOX.

   PUTTY PAD EQUIVALENT TO 3M #MPP-4S. 1/8" THICK PADS REQUIRED FOR 1 HOUR WALLS 1/4" THICK PADS REQUIRED FOR 2 HOUR WALLS A MAXIMUM 1/8" GAP BETWEEN BOX AND WALLBOARD.
4. WALLBOARD.

NOTE: THIS DETAIL APPLIES TO 1 AND 2 HOUR WALL ASSEMBLIES WITH 4"x4" FLUSH ELECTRICAL BOXES ON OPPOSITE SIDE OF WALLS THAT HAVE LESS THAN 24" SEPARATION BETWEEN THEM. BOXES NOT PERMITTED BACK-TO-BACK.

2 / E003 PENETRATION DETAIL
NO SCALE



NOTES:
1. ELECTRICAL OUTLET BOXES AND SIMILAR BOXES FOR T.V., PHONE, ETC. IN PARTY WALLS MUST BE STEEL AND NOT OVER 16" SQUARE. SUCH BOXES ARE TO BE SEALED WITH 3M MPP-4S FIRE BARRIER PUDDY PAD OR EQUAL. STACK MULTIPLE BOXES VERTICALLY WHEN ON SAME SIDE OF WALL.
2. CONTRACTOR TO VERIFY ACCEPTABILITY OF THIS DETAIL WITH LOCAL JURISDICTION'S BUILDING INSPECTOR.
3. PROVIDE A MINIMUM OF 6" BETWEEN DEVICES AT WALLS BETWEEN GUEST ROOMS. BACK TO BACK DEVICES ARE NOT PERMITTED.

1 / E003 OUTLET J-BOX OFFSET DETAIL
NO SCALE

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20607 ENGINEER E. DEAN BELK
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: MSM
checked by: EDB
project no: 25-104

ELECTRICAL DETAILS

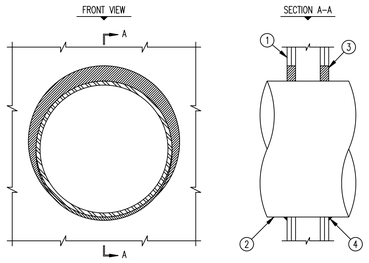
E003

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

U.L. SYSTEM NO. WL1054

METAL PIPE THROUGH GYPSUM WALL ASSEMBLY

F RATING = 1-HR. OR 2-HR.
T RATING = 0-HR.
L RATING AT AMBIENT = LESS THAN 1 CFM/SQ. FT.
L RATING AT 400°F = LESS THAN 4 CFM/SQ. FT.



1. GYPSUM WALL ASSEMBLY (1-HR. OR 2-HR. FIRE-RATING)(2-HR. SHOWN).
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
   A. MAXIMUM 30" DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 6" DIAMETER COPPER PIPE.
   C. MAXIMUM 6" DIAMETER STEEL CONDUIT.
   D. MAXIMUM 4" DIAMETER STEEL EMT.
3. HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT :
   A. MINIMUM 5/8" DEPTH OF SEALANT FOR A 1-HR. FIRE-RATING.
   B. MINIMUM 1-1/4" DEPTH OF SEALANT FOR A 2-HR. FIRE-RATING.
4. MINIMUM 1/2" BEAD HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT AT POINT OF CONTACT.

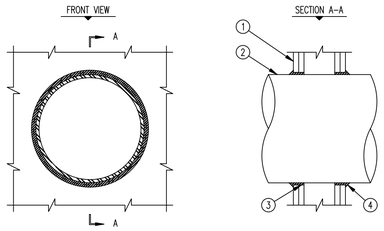
NOTES : 1. MAXIMUM DIAMETER OF OPENING = 32-1/4".
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 2-1/4".

SEE HILTI FIRESTOP INSTALLATION MANUAL FOR ADDITIONAL INSTRUCTIONS
HILTI, INC. TULSA, OK 1-800-879-8000

U.L. SYSTEM NO. WL1085

EMT THROUGH 1-HR. OR 2-HR. GYPSUM WALL ASSEMBLY

F RATING = 1-HR. AND 2-HR.
T RATING = 0-HR.
L RATING AT AMBIENT = LESS THAN 1 CFM/SQ. FT.
L RATING AT 400°F = 4 CFM/SQ. FT.



1. GYPSUM WALL ASSEMBLY (1-HR. OR 2-HR. FIRE-RATING)(2-HR. SHOWN).
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
   A. MAXIMUM 12" DIAMETER STEEL PIPE (SCHEDULE 20 OR HEAVIER).
   B. MAXIMUM 12" DIAMETER CAST IRON PIPE.
   C. MAXIMUM 6" DIAMETER COPPER PIPE.
   D. MAXIMUM 6" DIAMETER EMT.
   E. MAXIMUM 6" DIAMETER STEEL CONDUIT.
3. HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT FORCED INTO ANNULAR SPACE TO MAXIMUM EXTENT.
4. MINIMUM 1/2" BEAD HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT AT PIPE/GYPSUM WALLBOARD INTERFACE.

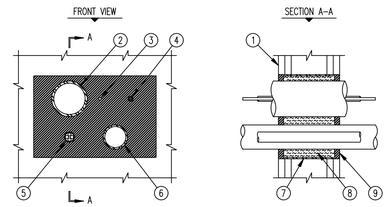
NOTE : ANNULAR SPACE = MINIMUM 0", MAXIMUM 1/4".

SEE HILTI FIRESTOP INSTALLATION MANUAL FOR ADDITIONAL INSTRUCTIONS
HILTI, INC. TULSA, OK 1-800-879-8000

U.L. SYSTEM NO. WL8004

MULTIPLE METAL PIPE AND CABLE THROUGH 2-HR. GYPSUM WALL

F RATING = 2-HR.
T RATING = 1/4-HR.
L RATING AT AMBIENT = LESS THAN 1 CFM/SQ. FT.
L RATING AT 400°F = 4 CFM/SQ. FT.



1. GYPSUM WALL ASSEMBLY (2-HR. FIRE-RATING).
2. MAXIMUM 3" DIAMETER ELECTRICAL METALLIC TUBING (EMT).
3. MAXIMUM 25 PAIR NO. 24 AWG (OR SMALLER) TELEPHONE CABLES.
4. MAXIMUM 3/C NO. 10 AWG NM (WITH GROUND) POWER CABLE WITH PVC INSULATION.
5. MAXIMUM 300 KCMIL (OR SMALLER) POWER CABLE WITH PVC INSULATION & NYLON JACKET.
6. MAXIMUM 2" DIAMETER STEEL PIPE, COPPER PIPE, EMT, OR STEEL CONDUIT.
7. NO. 8 STEEL WIRE MESH, 4-3/4" LONG (OR STANDARD METAL DRYWALL TRACK SCREWED SECURELY IN PLACE) CENTERED IN OPENING.
8. MINIMUM 4" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED.
9. MIN. 1/2" DEPTH HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT.

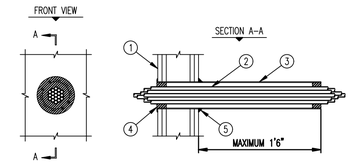
NOTES : 1. MAXIMUM AREA OF OPENING = 96 SQUARE INCHES WITH A MAX. DIM. OF 12".
2. DISTANCE BETWEEN ITEMS = MINIMUM 1-3/4", MAXIMUM 7".
3. DISTANCE FROM EDGE OF OPENING = MINIMUM 1/2", MAXIMUM 7". (EXCEPTION: 300 KCMIL POWER CABLE MUST BE MINIMUM 1-1/2" FROM EDGE OF OPENING.

SEE HILTI FIRESTOP INSTALLATION MANUAL FOR ADDITIONAL INSTRUCTIONS
HILTI, INC. TULSA, OK 1-800-879-8000

U.L. SYSTEM NO. WL3065

CABLE BUNDLE THROUGH 1-HR. OR 2-HR. FIRE-RATED GYPSUM WALL

F RATING = 1-HR. OR 2-HR.
T RATING = 0-HR.
L RATING AT AMBIENT = 5 CFM/SQ. FT.
L RATING AT 400°F = 2 CFM/SQ. FT.



1. GYPSUM WALL ASSEMBLY (1-HR. OR 2-HR. FIRE-RATINC)(2-HR. SHOWN).
2. CABLE BUNDLE TO CONSIST OF ANY OF THE FOLLOWING :
   A. 7/C NO. 12 AWG CAGLES.
   B. 12 PAIR 24 AWG PHONE CABLES.
   C. 25 PAIR 24 AWG PHONE CABLES.
   D. RG 59 COAXIAL CABLES.
   E. 2/C (+GND) NO. 14 AWG METAL-CLAD CABLES.
   F. 2/C NO. 8 AWG METAL-CLAD CABLES.
   G. MAXIMUM 1/2" DIAMETER FIBER-OPTIC CABLES.
3. OPTIONAL : MAX. 4" NOM. DIA. STEEL PIPE SLEEVE (SCH. 40 OR THINNER)(SEE NOTE NO. 4).
4. HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT :
   A. MINIMUM 5/8" DEPTH OF SEALANT FOR A 1-HR. FIRE-RATING.
   B. MINIMUM 1-1/4" DEPTH OF SEALANT FOR A 2-HR. FIRE-RATING.
5. SEE NOTE NO. 4 BELOW.

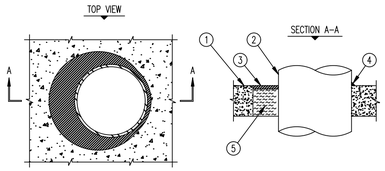
NOTES : 1. MAXIMUM DIAMETER OF OPENING = 4-1/2".
2. CABLES TO FILL MAXIMUM 33% OF AREA OF OPENING.
3. ANNULAR SPACE = MINIMUM 1/4", MAXIMUM 3/4".
4. STEEL SLEEVE MAY BE FLUSH WITH WALL SURFACE OR EXTEND UP TO 18" BEYOND WALL SURFACE IN ANY COMBINATION. WHEN SLEEVE IS FLUSH WITH WALL, APPLY HILTI FS-ONE FIRESTOP SEALANT ONTO WALL SURFACE. WHEN SLEEVE IS EX-TENDED BEYOND ONE OR BOTH SIDES OF WALL, APPLY 1/2" CROWN HILTI FS-ONE FIRESTOP SEALANT TO WALL/SLEEVE INTERFACE.

SEE HILTI FIRESTOP INSTALLATION MANUAL FOR ADDITIONAL INSTRUCTIONS
HILTI, INC. TULSA, OK 1-800-879-8000

U.L. SYSTEM NO. CAJ1149

METAL PIPE THROUGH CONCRETE FLOOR, WALL, OR BLOCK WALL

F RATING = 2-HR.
T RATING = 0-HR.



1. CONCRETE FLOOR OR WALL ASSEMBLY :
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 4-1/2" THICK).
   B. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MINIMUM 4-1/2" THICK).
   C. ANY U.L. CLASSIFIED CONCRETE BLOCK WALL.
2. THROUGH PENETRANTS TO INCLUDE ANY OF THE FOLLOWING :
   A. MAXIMUM 10" NOMINAL DIAMETER STEEL PIPE.
   B. MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE.
   C. MAXIMUM 4" NOMINAL DIAMETER EMT.
   D. MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT.
3. MIN. 1/2" DEPTH HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT.
4. MIN. 1/2" BEAD HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT.
5. MINIMUM 4" THICK MINERAL WOOL (MIN. 4 PCF DENSITY) (SEE NOTE NO. 4).

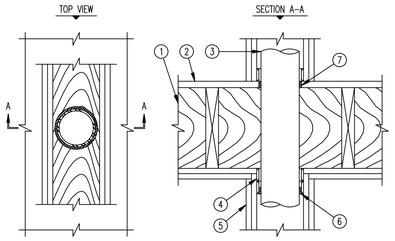
NOTES : 1. MAXIMUM DIAMETER OF OPENING = 12".
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 2".
3. WALLS REQUIRE 1/2" DEPTH OF SEALANT FLUSH WITH BOTH SIDES.
4. IF MAXIMUM PIPE SIZE IS 4" NOM. DIA., A MINIMUM 3" THICKNESS OF MINERAL WOOL MAY BE USED.

SEE HILTI FIRESTOP INSTALLATION MANUAL FOR ADDITIONAL INSTRUCTIONS
HILTI, INC. TULSA, OK 1-800-879-8000

U.L. SYSTEM NO. FC1009

METAL PIPE/CONDUIT THROUGH 1-HR. OR 2-HR. WOOD FLOOR ASSEMBLY

F RATING = 1-HR. OR 2-HR.
T RATING = 1-HR. OR 2-HR.
L RATING AT AMBIENT = LESS THAN 1 CFM/SQ. FT.
L RATING AT 400°F = 4 CFM/SQ. FT.



1. WOOD FLOOR ASSEMBLY : DESIGN NO. L500 SERIES IN THE U.L. FIRE RESISTANCE DIRECTORY.
2. LUMBER OR PLYWOOD SUBFLOOR WITH FINISH FLOOR OR LUMBER, PLYWOOD, OR FLOOR TOP MIXTURE.
3. PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
   A. MAXIMUM 4" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 40 OR HEAVIER).
   B. MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT.
   C. MAX. 4" NOM. DIA. NOM. OR STANDARD COPPER WATER TUBE (TYPE L OR HEAVIER).
   D. MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE.
   E. MAXIMUM 4" NOMINAL DIAMETER EMT.
4. TOP PLATE.
5. GYPSUM WALL ASSEMBLY (1-HR. OR 2-HR. FIRE-RATING)(2-HR. SHOWN).
6. PROVIDE A GENEROUS BEAD OF HILTI FS 601 ELASTOMERIC FIRESTOP SEALANT OR HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT AT THE TOP PLATE.
7. MIN. 3/4" DEPTH HILTI FS 601 ELASTOMERIC FIRESTOP SEALANT OR FS-ONE FIRESTOP SEALANT.

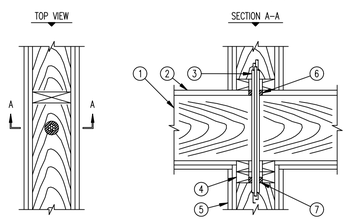
NOTE : ANNULAR SPACE = MINIMUM 1/8", MAXIMUM 3/4".

SEE HILTI FIRESTOP INSTALLATION MANUAL FOR ADDITIONAL INSTRUCTIONS
HILTI, INC. TULSA, OK 1-800-879-8000

U.L. SYSTEM NO. FC3012

CABLE/CABLE BUNDLE THROUGH 1-HR. OR 2-HR. WOOD FLOOR ASSEMBLY

F RATING = 1-HR. OR 2-HR.
T RATING = 1-HR. OR 2-HR.
L RATING AT AMBIENT = 5 CFM/SQ. FT.
L RATING AT 400°F = 2 CFM/SQ. FT.



1. WOOD FLOOR ASSEMBLY : DESIGN NO. L500 SERIES IN THE U.L. FIRE RESISTANCE DIRECTORY.
2. LUMBER OR PLYWOOD SUBFLOOR WITH FINISH FLOOR OR LUMBER, PLYWOOD, OR FLOOR TOPPING MIXTURE.
3. MAXIMUM 2" DIAMETER CABLE BUNDLE MAY CONSIST OF ANY OF THE FOLLOWING :
   A. RG 59 COAXIAL CABLE.
   B. MAXIMUM 8/C NO. 22 AWG TELEPHONE CABLE.
   C. MAXIMUM 3/C NO. 10 AWG CABLE (ROMEX).
   D. MAXIMUM 3/C (+GRND) 2/0 AWG SER CABLE (ALUMINUM OR COPPER).
   E. MAXIMUM 2/C NO. 12 AWG CABLE.
4. TOP PLATE.
5. GYPSUM WALL ASSEMBLY (1-HR. OR 2-HR. FIRE-RATING)(2-HR. SHOWN).
6. MINIMUM 3/4" DEPTH HILTI FS-ONE FIRESTOP SEALANT.
7. PROVIDE A GENEROUS BEAD OF HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE-STOP SEALANT AT THE TOP PLATE.

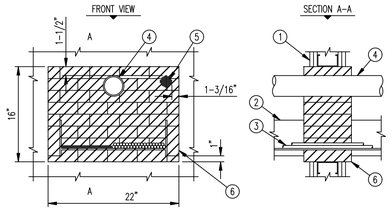
NOTES : 1. MAXIMUM DIAMETER OF OPENING = 2-1/2".
2. ANNULAR SPACE BETWEEN CABLE BUNDLE AND OPENING = MIN. 0", MAX. 1/2".
3. CABLES TO FILL A MAXIMUM OF 45% OF CROSS-SECTIONAL AREA OF OPENING.

SEE HILTI FIRESTOP INSTALLATION MANUAL FOR ADDITIONAL INSTRUCTIONS
HILTI, INC. TULSA, OK 1-800-879-8000

U.L. SYSTEM NO. WL8013

MULTIPLE PENETRATIONS THROUGH 1-HR. OR 2-HR. GYPSUM WALL

F RATING = 1-HR. OR 2-HR.
T RATING = 0-HR.
L RATING AT AMBIENT = 5 CFM/SQ. FT.
L RATING AT 400°F = 2 CFM/SQ. FT.



1. GYPSUM WALL ASSEMBLY (1-HR. OR 2-HR. FIRE-RATING)(2-HR. SHOWN).
2. STEEL OR ALUMINUM CABLE TRAY (MAXIMUM SIZE : 18" x 6").
3. ANY OF THE FOLLOWING TYPES OF CABLE MAY BE USED WITH MAX. 30% FILL ON CABLE TRAY :
   A. 500 KCMIL SINGLE CONDUCTOR POWER CABLE.
   B. 7/C NO. 12 AWG COPPER CONDUCTOR CABLE.
   C. 300 PAIR NO. 24 AWG TELEPHONE CABLE.
4. MAXIMUM 3" DIAMETER PVC PLASTIC PIPE (SCHEDULE 40)(CLOSED OR VENTED PIPING SYSTEM).
5. CABLE BUNDLE (MAX. 2" DIA.) TO CONSIST OF ANY OF THE FOLLOWING:
   A. FIBER-OPTIC CABLE.
   B. RG 59 COAXIAL CABLE.
   C. 25 PAIR NO. 24 AWG TELEPHONE CABLE.
   D. 7/C NO. 12 AWG COPPER CONDUCTOR.
6. HILTI FS 657 FIRESTOP BLOCKS (2" x 5" x 8" DEEP, REF: FRONT VIEW).

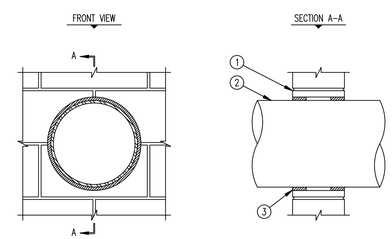
NOTES : 1. NOT SHOWN: PENETRATING ITEMS MAY ALSO INCLUDE A MAX. 4" DIA. STEEL OR COPPER PIPE, EMT, OR STEEL CONDUIT WITH A MAX. 1-1/2" GLASS-FIBER PIPE INSULATION OR NON-INSULATED MAX. 4" STEEL PIPE, EMT, OR CONDUIT.
2. ANNULAR SPACE = MINIMUM 1".
3. INSTALL HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT IN ANY VOID THAT MAY EXIST (AROUND PENETRATING ITEMS, OR BETWEEN BLOCKS).

SEE HILTI FIRESTOP INSTALLATION MANUAL FOR ADDITIONAL INSTRUCTIONS
HILTI, INC. TULSA, OK 1-800-879-8000

U.L. SYSTEM NO. WJ1042

METALLIC PIPE THROUGH 4-HR. CONCRETE OR CONCRETE BLOCK WALL

F RATING = 4-HR.
T RATING = 0-HR.



1. CONCRETE WALL ASSEMBLY (4-HR. FIRE-RATING) :
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL.
   B. ANY U.L. CLASSIFIED CONCRETE BLOCK WALL ASSEMBLY.
2. PENETRATING ITEM TO BE ANY ONE OF THE FOLLOWING :
   A. MAXIMUM 12" DIAMETER STEEL PIPE.
   B. MAXIMUM 6" DIAMETER COPPER PIPE.
   C. MAXIMUM 6" DIAMETER STEEL CONDUIT.
   D. MAXIMUM 4" DIAMETER EMT.
3. MIN. 2" DEPTH HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT.

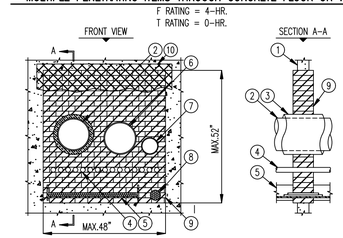
NOTES : 1. MAXIMUM DIAMETER OF OPENING = 13-3/4".
2. ANNULAR SPACE = MINIMUM 3/8", MAXIMUM 1/2".

SEE HILTI FIRESTOP INSTALLATION MANUAL FOR ADDITIONAL INSTRUCTIONS
HILTI, INC. TULSA, OK 1-800-879-8000

U.L. SYSTEM NO. WJ8007

MULTIPLE PENETRATING ITEMS THROUGH CONCRETE FLOOR OR WALL

F RATING = 4-HR.
T RATING = 0-HR.



1. CONCRETE FLOOR OR WALL ASSEMBLY (MINIMUM 4-1/2" THICK).
2. MAXIMUM 12" DIAMETER STEEL PIPE OR MAXIMUM 6" DIAMETER COPPER PIPE.
3. MAXIMUM 1-1/2" THICK GLASS-FIBER PIPE INSULATION.
4. 1-1/2" DIAMETER STEEL CONDUIT (MAXIMUM QUANTITY = 15).
5. STEEL OR ALUMINUM CABLE TRAY (MAXIMUM SIZE : 36" x 6") WITH ANY OF THE FOLLOWING TYPES OF CABLE MAY BE USED WITH MAXIMUM 30% FILL OF CABLE TRAY :
   A. MAXIMUM 500 KCMIL SINGLE CONDUCTOR POWER CABLE.
   B. MAXIMUM 7/C NO. 12 AWG COPPER CONDUCTOR CABLE.
   C. MAXIMUM 300 PAIR NO. 24 AWG TELEPHONE CABLES.
6. MAXIMUM 30" DIAMETER STEEL PIPE (12" DIAMETER PIPE SHOWN).
7. 6" DIAMETER STEEL PIPE.
8. MAXIMUM 4" DIAMETER CABLE BUNDLE TO INCLUDE ANY OF THE FOLLOWING :
   A. FIBER-OPTIC CABLE (MAX. 1/2" DIA).
   B. ROMEX (2/C NO. 10 +GROUND).
   C. 25 PAIR NO. 24 AWG TELEPHONE CABLES.
   D. 7/C NO. 12 AWG CABLES.
   E. RG 62A COAXIAL CABLES.
   F. METAL CLAD CABLE (MAX. 3/4" DIA).
9. HILTI FS 657 INTUMESCENT FIRESTOP BLOCK (2" TALL x 5" WIDE x 8" DEEP, REF: FRONT VIEW).
10. SEE NOTE NO. 4 BELOW.

NOTES : 1. ANNULAR SPACING FOR CABLE TRAY = MINIMUM 1-1/2".
2. ANNULAR SPACING FOR PIPE AND CABLE PENETRATIONS = MINIMUM 1".
3. INSTALL HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT IN ANY VOID THAT MAY EXIST (AROUND CABLE TRAY, CABLES, OR PIPE PENETRATIONS).
4. IF THE ANNULAR SPACE IS GREATER THAN 1", PROVIDE A STEEL WIRE MESH (NOMINAL 2" SQUARES, NO. 16 SWG). INSTALL ON EACH SIDE OF WALL ASSEMBLY.
5. MAXIMUM AREA OF OPENING = 2496 SQUARE INCHES.

SEE HILTI FIRESTOP INSTALLATION MANUAL FOR ADDITIONAL INSTRUCTIONS
HILTI, INC. TULSA, OK 1-800-879-8000

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20607 ENGINEER E. DEAN BELK
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

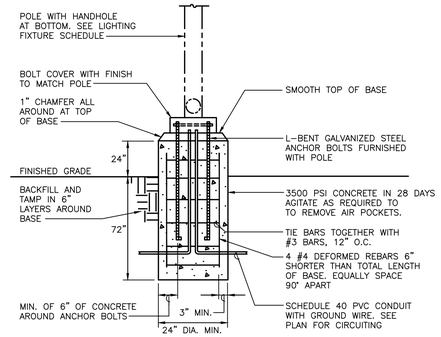
revisions:

Revision	Date	Description
1	04/15/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: MSM
checked by: EDB
project no: 25-104

ELECTRICAL FIRE PENETRATION DETAILS

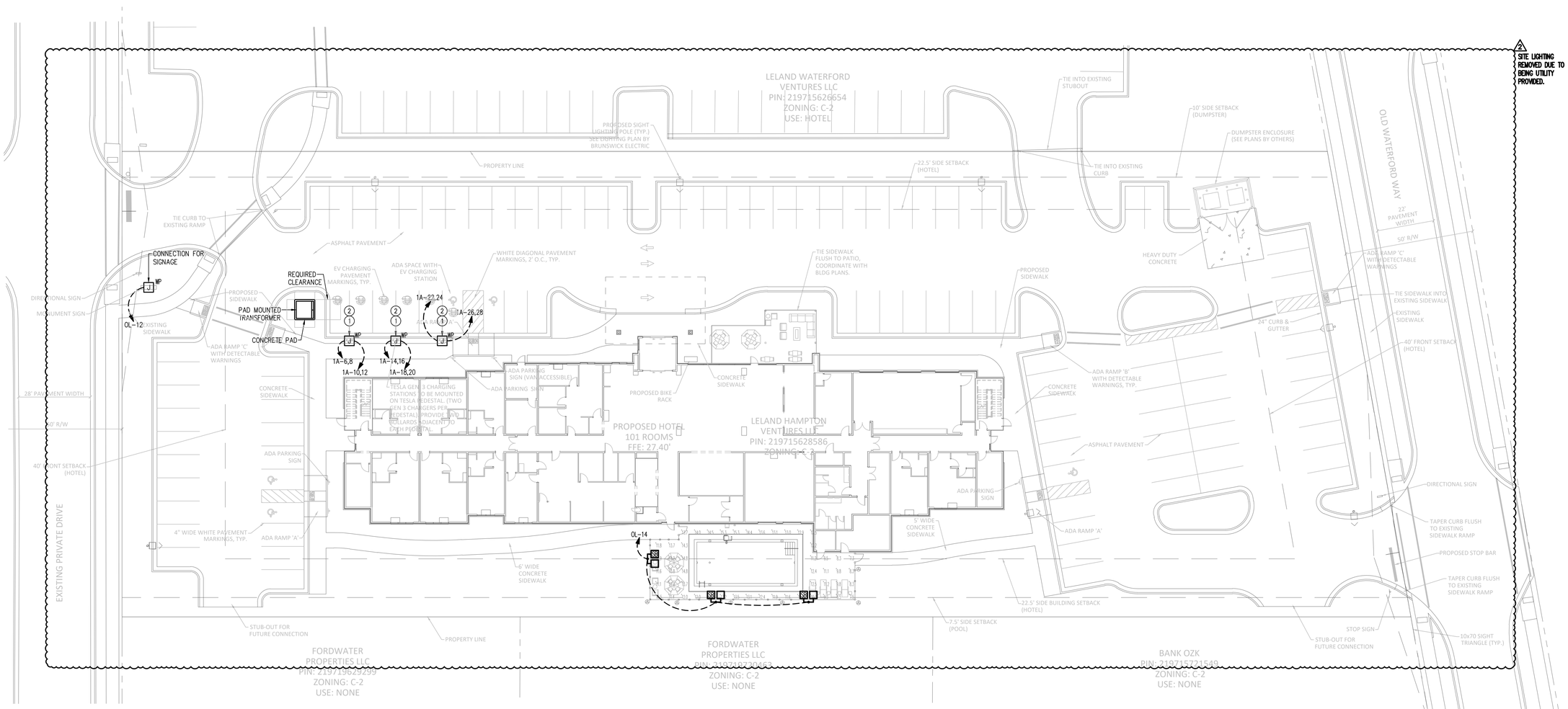
E004



2 / E100 **POLE BASE DETAIL**
NOT TO SCALE

SITE LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	LAMPS	FIXTURE WATTAGE	VOLTAGE	DESCRIPTION
SA	COOPER LIGHTING	PRV PA2B 730 U T3 SA BZ HSS	LED 3,000K	151W	120/277V	LED POLE LIGHT, TYPE III DISTRIBUTION WITH HOUSE SIDE SHIELD, FLAT GLASS LENS, WET LOCATION LABEL, ARM MOUNT. FULL CUT-OFF. MOUNT ON 30'-0" POLE.
SB	COOPER LIGHTING	TWO(2) PRV PA2B 730 U T4 SA BZ HSS	LED 3,000K	302W	120/277V	LED POLE LIGHT, TWO(2) TYPE IV DISTRIBUTION WITH HOUSE SIDE SHIELD, FLAT GLASS LENS, WET LOCATION LABEL, ARM MOUNT. FULL CUT-OFF. MOUNT ON 25'-0" POLE.
SC	COOPER LIGHTING	TWO(2) PRV PA2B 730 U T5 SA BZ	LED 3,000K	302W	120/277V	LED POLE LIGHT, TWO(2) TYPE V DISTRIBUTION, FLAT GLASS LENS, WET LOCATION LABEL, ARM MOUNT. FULL CUT-OFF. MOUNT ON 30'-0" POLE.
SD	COOPER LIGHTING	PRV PA2B 730 U T4 SA BZ HSS	LED 3,000K	151W	120/277V	LED POLE LIGHT, TYPE IV DISTRIBUTION WITH HOUSE SIDE SHIELD, FLAT GLASS LENS, WET LOCATION LABEL, ARM MOUNT. FULL CUT-OFF. MOUNT ON 30'-0" POLE.



Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING	Illuminance	Fc	3.05	5.0	1.1	2.77	4.55
POOL DECK	Illuminance	Fc	11.98	15.3	7.3	1.64	2.10
PROPERTY LINE	Illuminance	Fc	0.87	5.4	0.1	8.70	54.00

1 / E100 **SITE PLAN - ELECTRICAL**
SCALE: 1" = 20'

KEYED NOTES:
1. CONNECTION FOR DUAL E.V. CAR CHARGING STATION. TWO(2) 60A, 208V,1Ø CONNECTIONS. COORDINATE THE EXACT LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN. IF AN INTEGRAL DISCONNECT IS NOT PRESENT ON THE CHARGER THE E.C. SHALL PROVIDE A 60/F60-2P-3R HEAVY DUTY SAFETY SWITCH.
2. E.C. SHALL PROVIDE A WEATHERPROOF JUNCTION BOX WITH ONE(1) 2" E.C. WITH PULLSTRINGS TO THE PANEL SERVING THE E.V. CHARGERS FOR ADDITIONAL FUTURE E.V. CHARGERS.

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20807 ENGINEER E. DEAN BELK
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

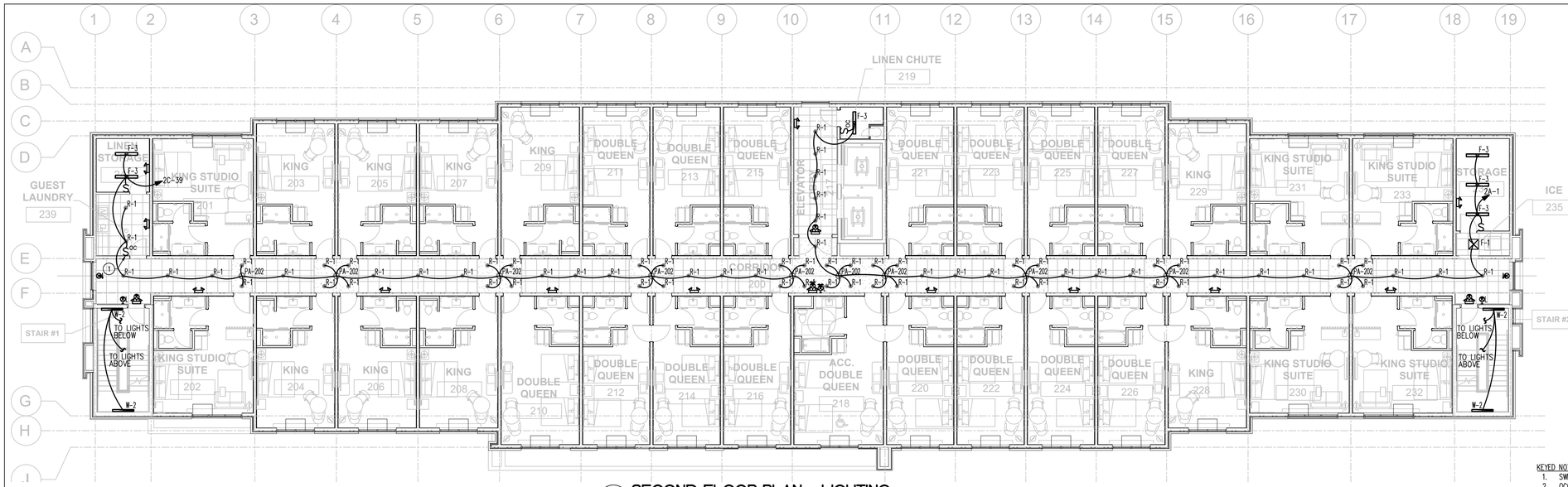
revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

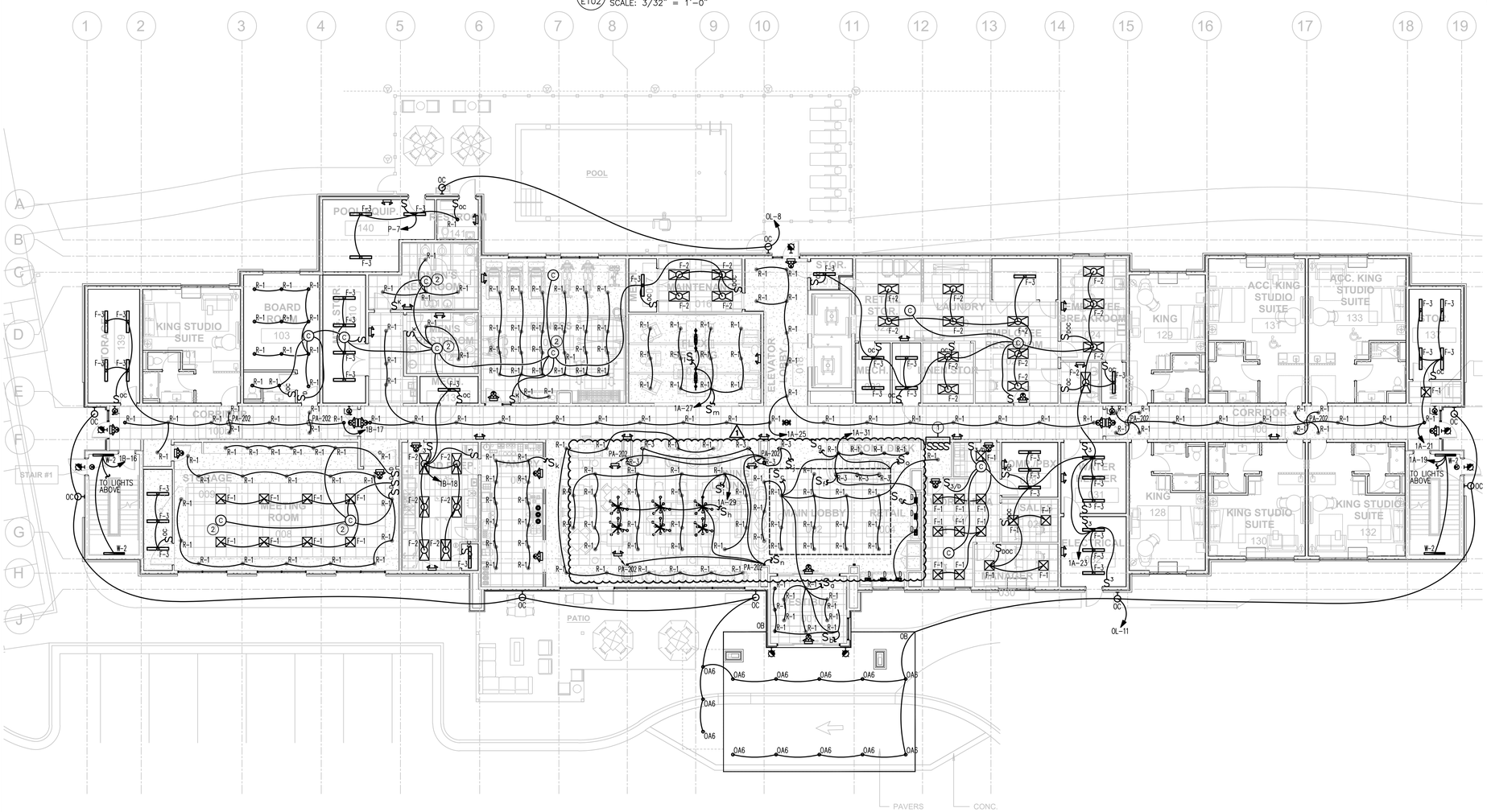
drawn by: MSM
checked by: EDB
project no: 25-104

ELECTRICAL SITE PLAN

E100



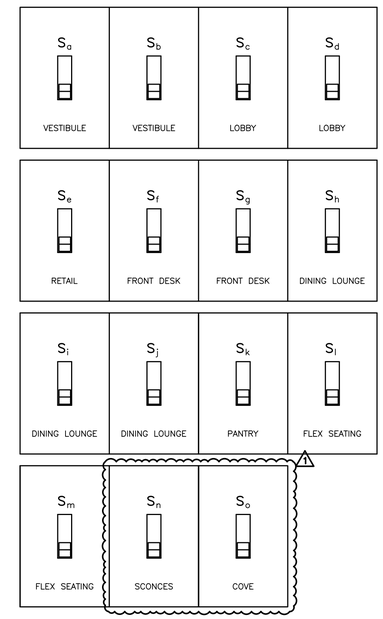
2 / E102 SECOND FLOOR PLAN - LIGHTING
SCALE: 3/32" = 1'-0"



1 / E101 FIRST FLOOR PLAN - LIGHTING
SCALE: 3/32" = 1'-0"

KEYED NOTES: #
1. SWITCH BANK LOCATION. SEE SWITCH BANK DETAIL THIS SHEET.
2. OCCUPANCY SENSOR IN THIS ROOM SHALL ONLY REDUCE LIGHTING TO 50% OUTPUT FOR GUEST SAFETY.

GENERAL NOTES:
1. CONNECT EMERGENCY LIGHTS AND EXIT SIGNS TO THE LOCAL LIGHTING CIRCUIT AHEAD OF ALL CONTROLS.
2. EXIT SIGNS NOTED AS "L" SHALL BE MOUNTED 12" MAX A.F.F., SEE DEVICE MOUNTING DETAIL #1/E003.



2 / E-101 LOBBY SWITCH BANK DETAIL
NO SCALE

NOTES:
1. PROVIDE DIMMER SWITCHES PER FIXTURE REQUIREMENTS.

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20807 ENGINEER E. DEAN BELK
09-11-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

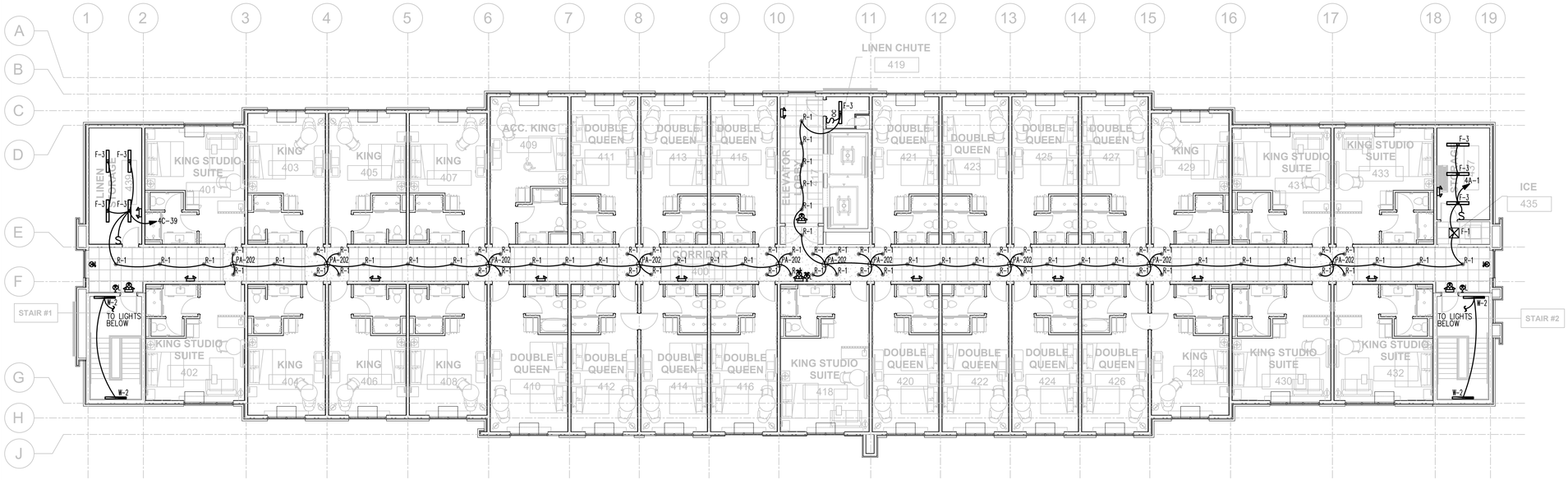
revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

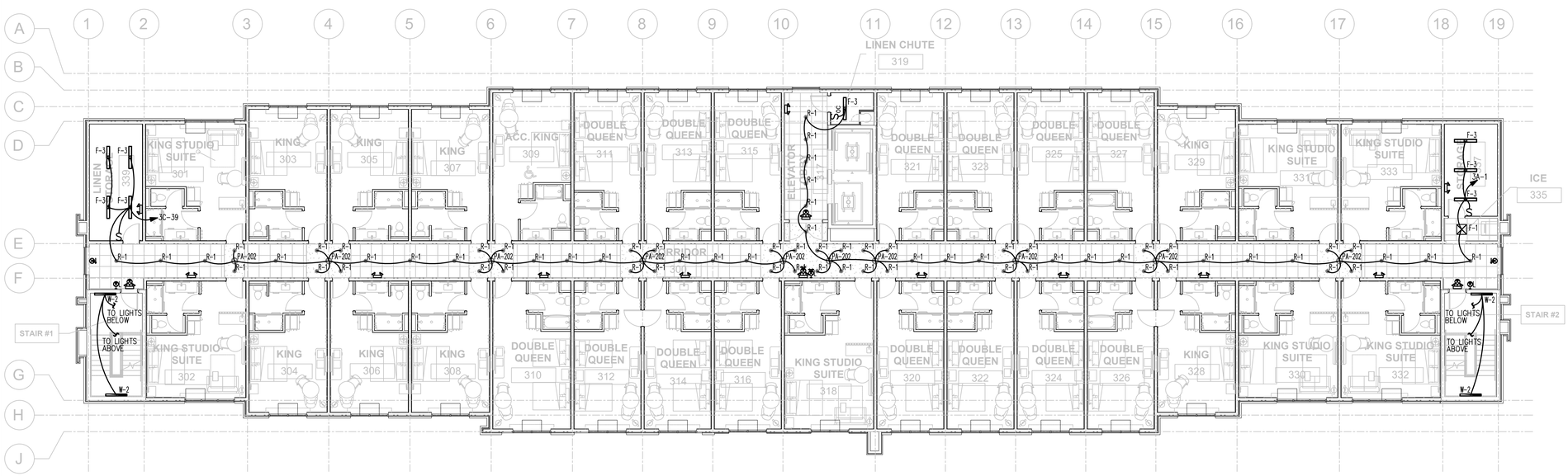
drawn by: MSM
checked by: EDB
project no: 25-104

FIRST AND SECOND FLOOR LIGHTING PLANS

E101



2 E102 FOURTH FLOOR PLAN - LIGHTING
SCALE: 3/32" = 1'-0"



1 E102 THIRD FLOOR PLAN - LIGHTING
SCALE: 3/32" = 1'-0"

KEYED NOTES: #
1. OCCUPANCY SENSOR IN THIS ROOM SHALL ONLY REDUCE LIGHTING TO 50% OUTPUT FOR GUEST SAFETY.

GENERAL NOTES:
1. CONNECT EMERGENCY LIGHTS AND EXIT SIGNS TO THE LOCAL LIGHTING CIRCUIT AHEAD OF ALL CONTROLS.
2. EXIT SIGNS NOTED AS "L" SHALL BE MOUNTED 12" MAX A.F.F., SEE DEVICE MOUNTING DETAIL #1/E003.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20807 ENGINEER E. DEAN BELK
09-11-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

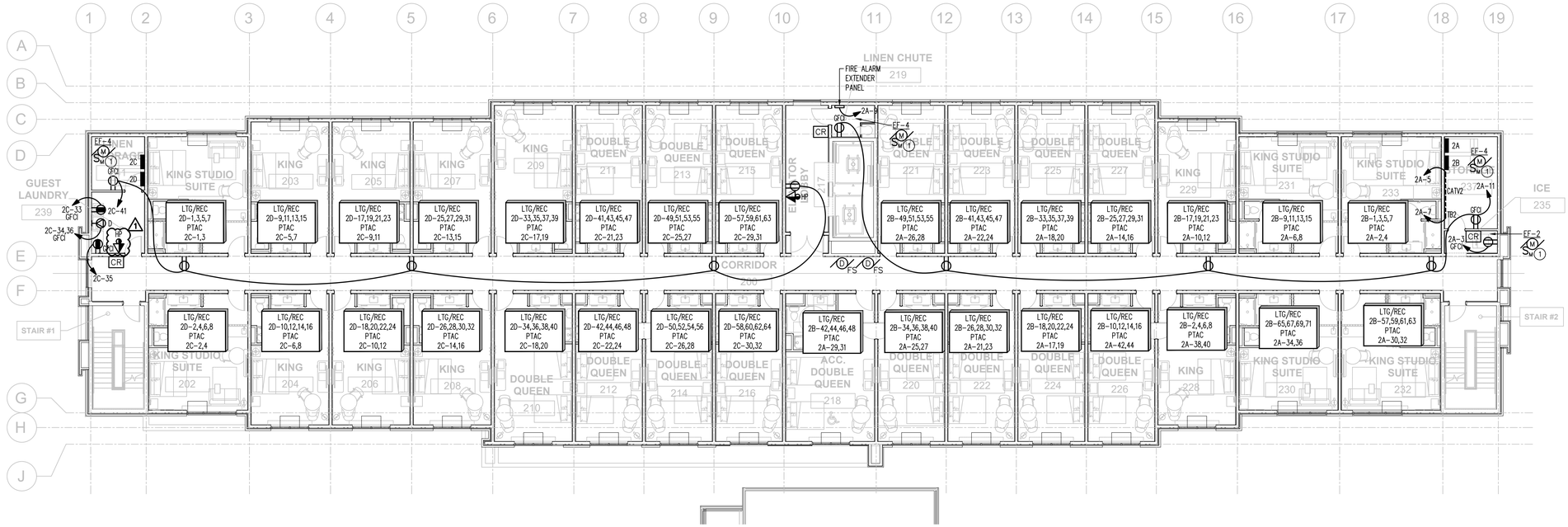
revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

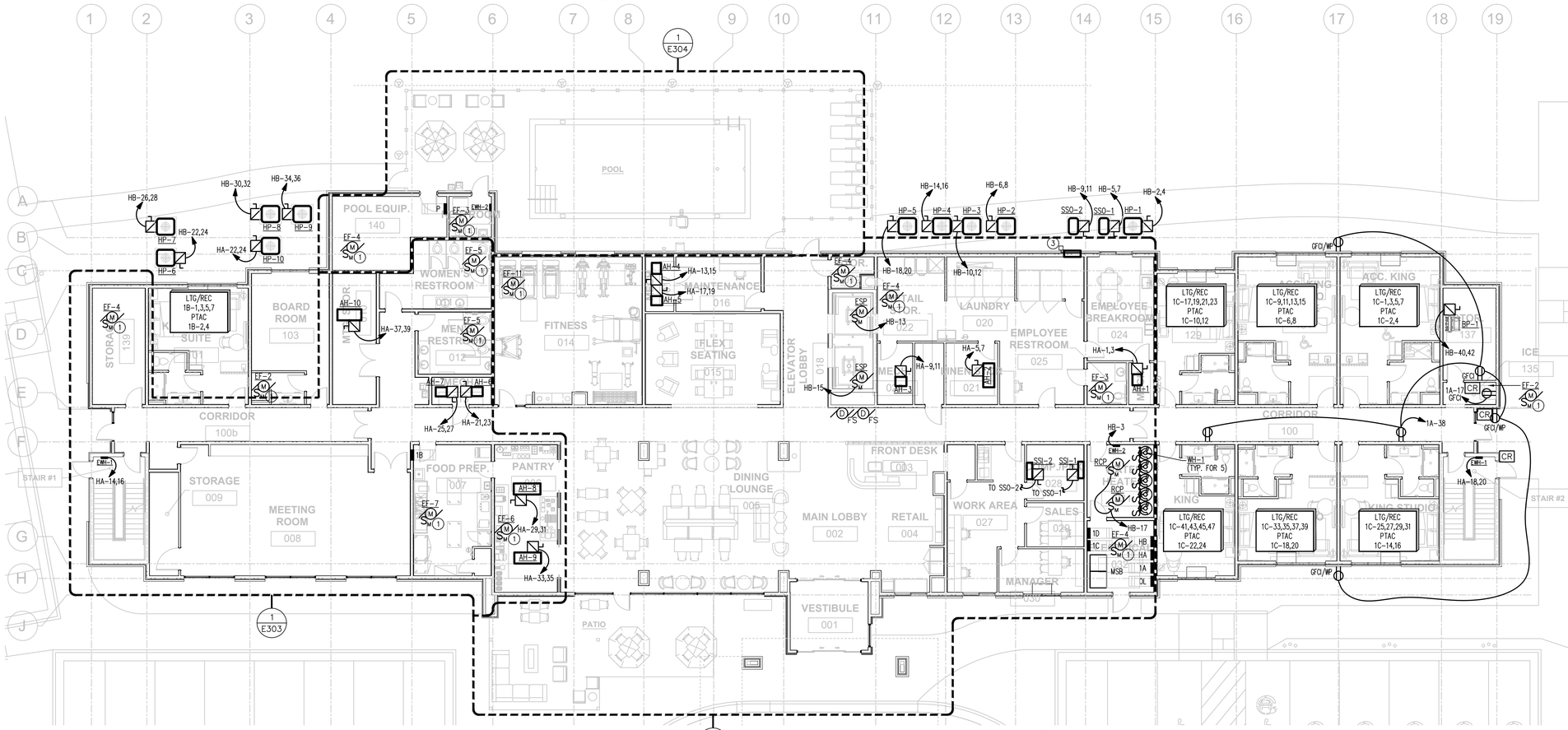
drawn by: MSM
checked by: EDB
project no: 25-104

THIRD AND FOURTH FLOOR LIGHTING PLANS

E102



2 E201 SECOND FLOOR PLAN - POWER
SCALE: 3/32" = 1'-0"



1 E201 FIRST FLOOR PLAN - POWER
SCALE: 3/32" = 1'-0"

KEYED NOTES: #
1. CONNECT EXHAUST FAN TO THE LOCAL LIGHTING CIRCUIT. COORDINATE THE FAN CONTROLS WITH THE MECHANICAL DRAWINGS PRIOR TO ROUGH-IN.
2. CONNECT FIRE SMOKE DAMPERS ON SECOND FLOOR TO CIRCUIT 1A-15.
3. CONNECT FIRE SMOKE DAMPERS ON SECOND FLOOR TO CIRCUIT 2A-15.

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20807 ENGINEER E. DEAN BELK
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

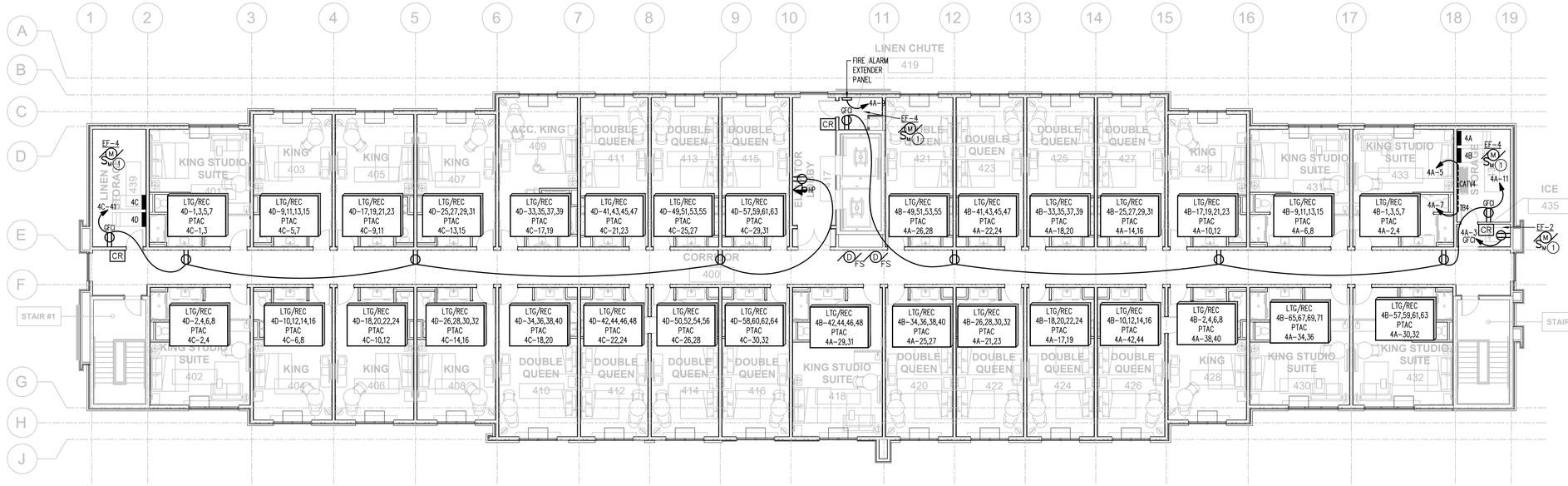
revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

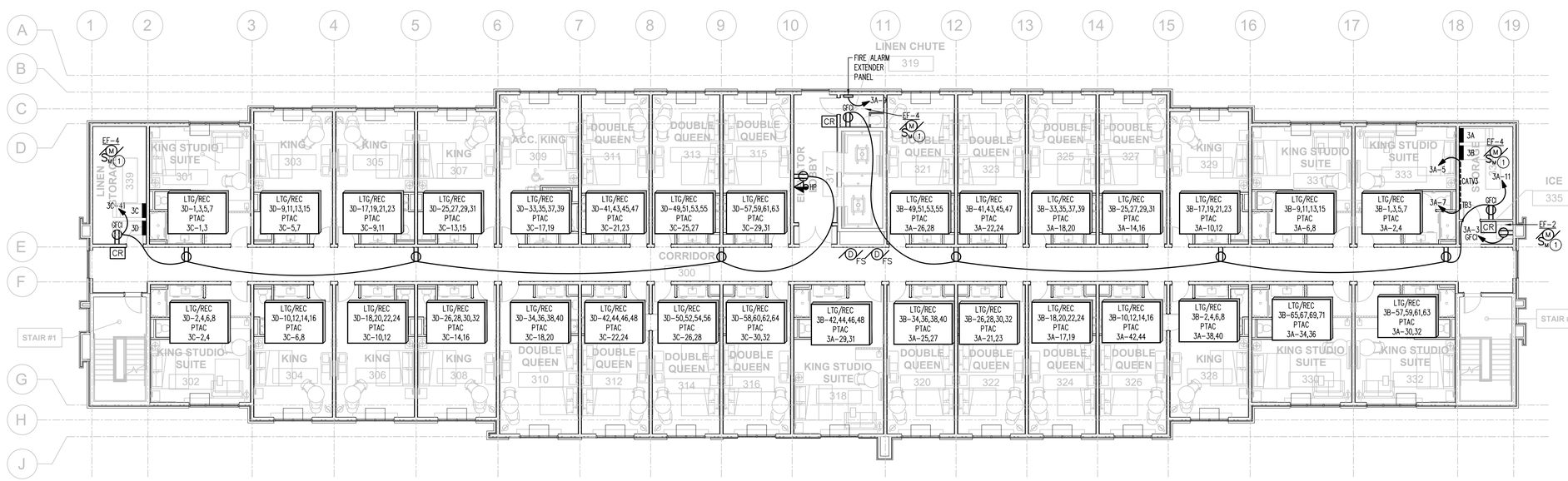
drawn by: MSM
checked by: EDB
project no: 25-104

FIRST AND SECOND FLOOR POWER PLANS

E201



2 E202 FOURTH FLOOR PLAN - POWER
SCALE: 3/32" = 1'-0"



1 E202 THIRD FLOOR PLAN - POWER
SCALE: 3/32" = 1'-0"

KEYED NOTES: #

1. CONNECT EXHAUST FAN TO THE LOCAL LIGHTING CIRCUIT. COORDINATE THE FAN CONTROLS WITH THE MECHANICAL DRAWINGS PRIOR TO ROUGH-IN.
2. CONNECT FIRE SMOKE DAMPERS TO CIRCUIT 3A-15.
3. CONNECT FIRE SMOKE DAMPERS TO CIRCUIT 4A-15.

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20807 ENGINEER E. DEAN BELK
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

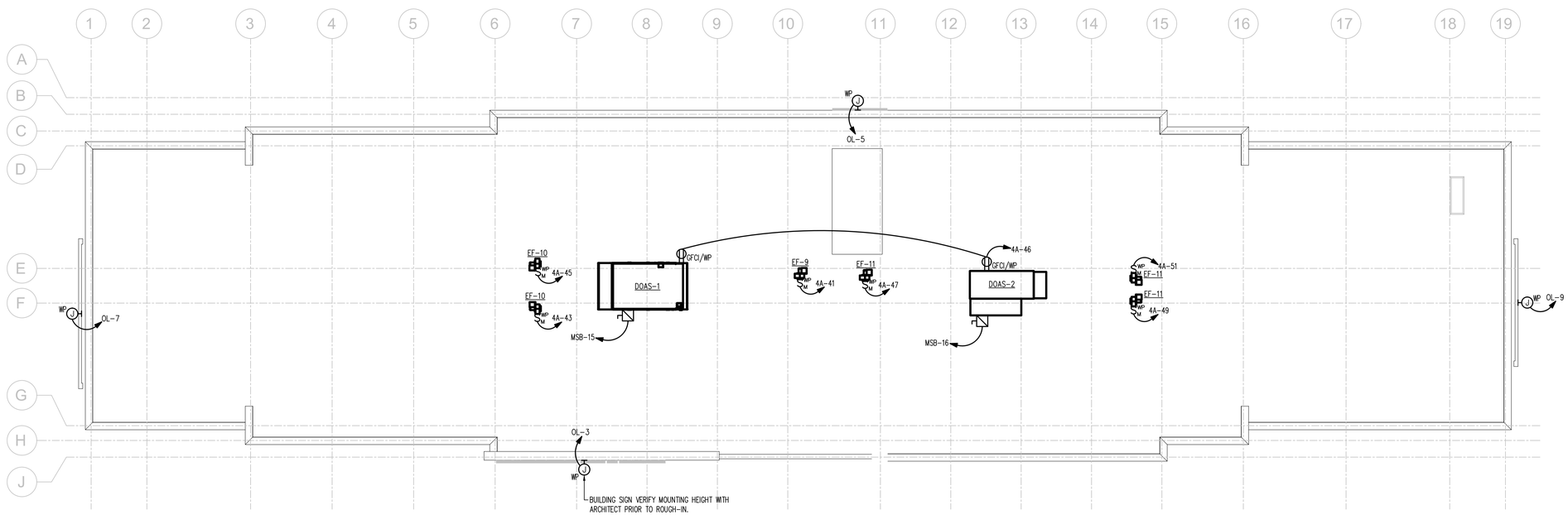
Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: MSM
checked by: EDB
project no: 25-104

THIRD AND FOURTH FLOOR POWER PLANS

E202

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



1 E203 **ROOF PLAN - POWER**

SCALE: 3/32" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED
CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20807 ENGINEER E. DEAN BELK

09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: MSM

checked by: EDB

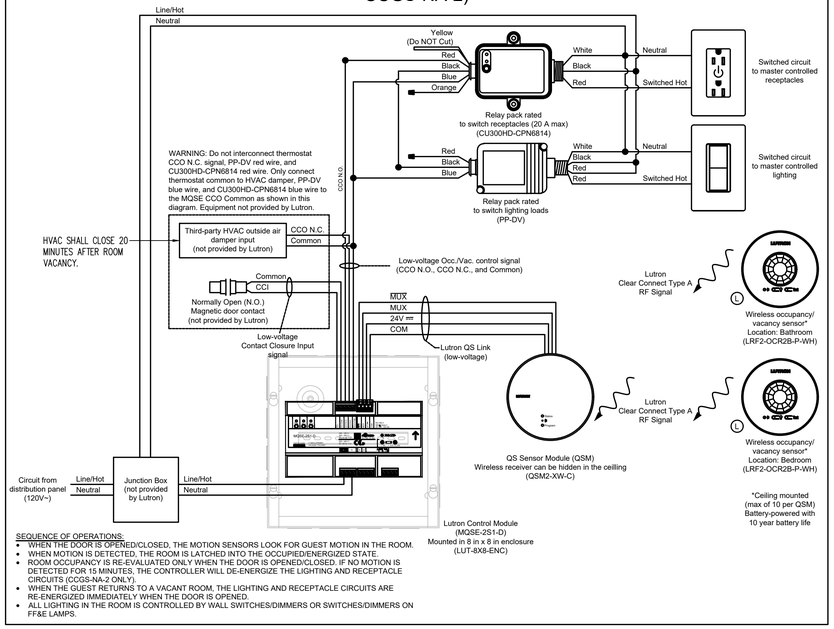
project no: 25-104

ROOF POWER PLAN

E203

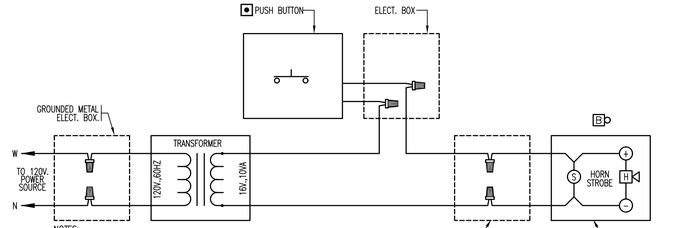
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

GUEST ROOM (LUTRON CCGS-NA-2)



SEQUENCE OF OPERATIONS:

- WHEN THE DOOR IS OPENED/CLOSED, THE MOTION SENSORS LOOK FOR GUEST MOTION IN THE ROOM.
- WHEN MOTION IS DETECTED, THE ROOM IS LATCHED INTO THE OCCUPIED/ENERGIZED STATE.
- ROOM OCCUPANCY IS RE-EVALUATED ONLY WHEN THE DOOR IS OPENED/CLOSED. IF NO MOTION IS DETECTED FOR 15 MINUTES, THE CONTROLLER WILL DE-ENERGIZE THE LIGHTING AND RECEPTACLE CIRCUITS (CCGS-NA-2 ONLY).
- WHEN THE GUEST RETURNS TO A VACANT ROOM, THE LIGHTING AND RECEPTACLE CIRCUITS ARE RE-ENERGIZED IMMEDIATELY WHEN THE DOOR IS OPENED.
- ALL LIGHTING IN THE ROOM IS CONTROLLED BY WALL SWITCHES/DIMMERS OR SWITCHES/DIMMERS ON FF&E LAMPS.



NOTES:
1. SEE ARCHITECTURAL PLANS FOR LOCATIONS OF DEVICES. COORDINATE THE LOCATIONS OF DEVICES WITH ARCHITECT
2. SMOKE/CO DETECTORS SHALL BE INTERCONNECTED.
3. PROVIDE A PHENOLIC LABEL FOR DOORBELL DISCONNECT SWITCH.

7 / E301 WIRING DIAGRAM OF VISUAL/AUDIBLE NOTIFICATION DEVICES FOR HEARING IMPAIRED AND ACCESSIBLE UNITS (10VA)

NTS

GUESTROOM GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE WITH ARCHITECT AND OWNER FOR EXACT LOCATIONS AND MOUNTING HEIGHTS FOR ALL DEVICES PRIOR TO ELECTRICAL ROUGH-IN.
2. SEE 1/8 SCALE PLANS FOR CIRCUIT NUMBERS. CONTRACTOR SHALL REFER TO PANEL SCHEDULES AND RISER DIAGRAM.
3. AT WALLS BETWEEN ADJACENT ROOMS, ELECTRICAL OUTLET LOCATIONS, INCLUDING TV AND TELEPHONE OUTLETS, SHALL BE OFFSET 6" MIN. HORIZONTALLY FOR INSTALLATION. ELECTRICAL CORDS SHOULD BE HIDDEN FROM VIEW. BACK TO BACK OUTLETS ARE NOT ALLOWED.
4. LIGHT SWITCH AND GFCI OUTLETS CAN BE MOUNTED IN A COMMON BOX WITH COVER PLATE. COORDINATE CLEARANCE WITH MIRROR.
5. HEIGHT OF ALL SWITCHES, OUTLETS, ETC., TO MEET ACCESSIBILITY STANDARDS FOR MAXIMUM AND MINIMUM REACH RANGE. FEDERAL AND LOCAL CODES APPLY AND THE MOST STRINGENT STANDARD PREVAILS. SWITCHES ON LAMPS MUST BE TOGGLE TYPE.
6. CEILING MOUNTED LIGHT FIXTURE AND EXHAUST FAN AT ALL GUESTROOM BATHROOMS TO BE SWITCHED SEPARATELY. CONTRACTOR SHALL COORDINATE WITH MECHANICAL FOR EXACT LOCATIONS AND REQUIREMENTS PRIOR TO ELECTRICAL ROUGH-IN.
7. HEARING IMPAIRED ROOMS SHALL BE EQUIPPED WITH ACCESSIBLE DEVICES SUCH AS, BUT NOT LIMITED TO THE FOLLOWING: FIRE ALARM STROBES, SMOKE DETECTOR STROBES AND DOOR BUZZER STROBES, TELEPHONES WITH VOLUME CONTROLS COMPATIBLE WITH THE PHONE SYSTEM. ALSO PROVIDE DOORBELL ON/OFF SWITCH WITH SIGNAGE AS REQUIRED.
8. ALL GUESTROOMS SHALL HAVE 75DBA MINIMUM AT PILLOW.
9. ALL CONTROLS FOR USE BY GUESTS MUST BE MOUNTED AT BETWEEN 15" AFF AND 48" AFF AND PROVIDE A 30" X 48" FLOOR AREA IN COMPLIANCE WITH ACCESSIBILITIES STANDARDS. OPERABLE CONTROLS LOCATED OVER AN OBSTRUCTION DEEPER THAN 10" MUST BE MOUNTED NO HIGHER THAN 46" AFF. ACCESSIBLE CONTROLS MUST NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.
10. IN ACCESSIBLE ROOMS, AT LEAST ONE OUTLET AND DATA CONNECTION FOR USE BY GUESTS MUST BE MOUNTED BETWEEN 15" AND 48" AFF AND PROVIDE A CLEAR FLOOR AREA IN COMPLIANCE WITH ACCESSIBLE STANDARDS.
11. OBJECTS MOUNTED WITHIN THE CIRCULATION PATH IN ACCESSIBLE ROOMS BETWEEN 27" AND 80" AFF SHALL NOT PROTRUDE FURTHER THAN 4" FROM WALL.
12. ALL GUESTROOM LOW VOLTAGE WIRING MUST BE INSTALLED IN CONDUIT FROM ROOMS TO THE ACCESSIBLE CEILING IN CORRIDOR. THIS INCLUDES CATV, HSIA, AND TELEPHONE WIRING.
13. MOUNT ALL MICROWAVE RECEPTACLES ABOVE COUNTER. ALL REFRIGERATOR RECEPTACLES SHALL BE MOUNTED UNDER COUNTER. COORDINATE WITH OWNER FOR EXACT MOUNTING HEIGHT PRIOR TO ELECTRICAL ROUGH-IN.
14. AT ALL HEARING IMPAIRED ROOMS:
    A. PROVIDE AUDIBLE/VISUAL DOORBELL/ANNUNCIATOR EQUIVALENT TO EDWARDS MODEL 7005-G5 WITH EDWARDS MODEL 620 PUSHBUTTON.
    B. AUDIBLE/VISUAL DOORBELL IN BATHROOM.

HEARING IMPAIRED ROOM NOTE:
1. SEE DETAIL ON THIS SHEET FOR HEARING IMPAIRED DOORBELL.
2. SEE ARCHITECTURAL PLANS FOR THE LOCATION OF ALL HEARING IMPAIRED ROOMS.

KEYED NOTES: #
1. PROVIDE SINGLE GANG DOORBELL DISABLE SWITCH WITH LABELED FACEPLATE.
2. TRANSFORMER AND JUNCTION BOX FOR DOORBELL SIGNALS.
3. GUEST ROOM MASTER LIGHTING SWITCH PER ECC SHALL PROVIDE MASTER CONTROLS TO ALL PERMANENTLY INSTALLED LIGHTINGPROVIDE FOR HEARING IMPAIRED ROOMS ONLY.
4. SEE ARCHITECTURAL PLAN FOR HEARING IMPAIRED ROOM LOCATIONS.
5. CONNECTION FOR ROLLER SHADES. COORDINATE THE EXACT LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN.
6. PROVIDE A SWITCH WITH AN INTEGRAL NIGHT LIGHT.
7. PTAC CONNECTION SHALL BE CONCEALED.
8. SWITCH/CONTROLS FOR ROLLER SHADES. COORDINATE THE EXACT LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN.
9. SEE OVERALL FLOOR ELECTRICAL PLANS SHEETS E-201 THRU E-203 FOR GUEST ROOMS CIRCUITING.
10. VTAC CONNECTION. SEE MECHANICAL FOR ROOMS WITH VTAC OR PTAC.

NOTES:
1. LOCATION OF OUTLETS FOR TV AND DESK AREA MUST BE FIELD VERIFIED BY OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
2. ALL GUEST ROOM LIGHT SWITCHES SHALL BE WIRED WITH NEUTRAL WIRES.

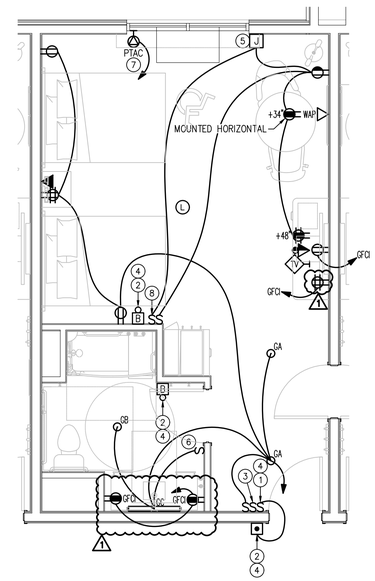
ALL 120 VOLT, 15 AND 20 AMP RECEPTACLES IN DWELLING UNITS SHALL BE TAMPER RESISTANT PER NEC 406.13.

ELECTRICAL OUTLET HEIGHTS (U.N.O.)
TYPICAL WALL OUTLET – 12" A.F.F.
TYPICAL ACCESSIBLE WALL OUTLET – 18" A.F.F.
BATHROOM VANITY OUTLET – 48" A.F.F.
ACCESSIBLE KITCHEN OUTLET – 46" A.F.F. MAX.
ACCESSIBLE BATHROOM VANITY OUTLET – 44" A.F.F. MAX.

CIRCUITING NOTES: ◊ SEE PANEL SCHEDULES FOR ADDITIONAL INFORMATION

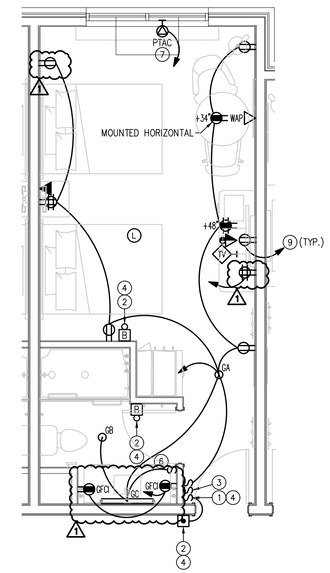
THE E.C. SHALL LABEL ALL GUEST ROOM BREAKERS WITH THE ROOM NUMBER THE BREAKER SERVES.

A. REFRIGERATOR (GFCI BREAKER)
B. RECEPTACLES OVER COUNTER
C. MICROWAVE (GFCI)
D. DISHWASHER (GFCI)
E. DISPOSER (GFCI)
F. GENERAL RECEPTACLES
G. GENERAL RECEPTACLES
H. BATHROOM RECEPTACLE
I. LIGHTING
J. PTAC



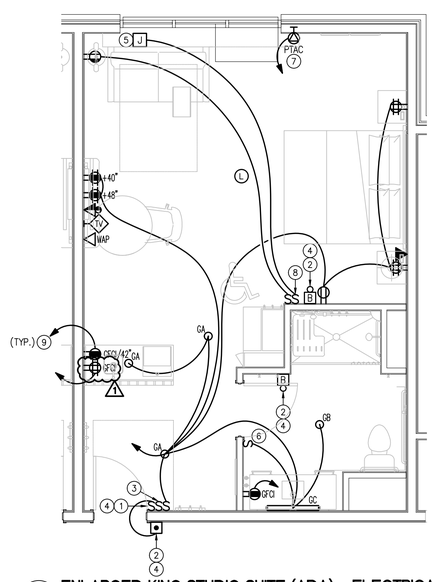
6 / E301 ENLARGED DOUBLE QUEEN (ADA) - ELECTRICAL

SCALE: 1/4" = 1'-0"



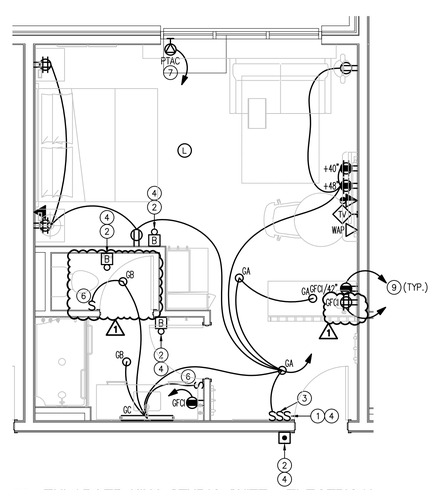
5 / E301 ENLARGED DOUBLE QUEEN - ELECTRICAL

SCALE: 1/4" = 1'-0"



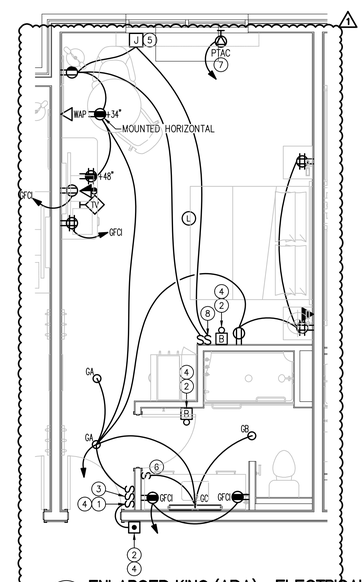
4 / E301 ENLARGED KING STUDIO SUITE (ADA) - ELECTRICAL

SCALE: 1/4" = 1'-0"



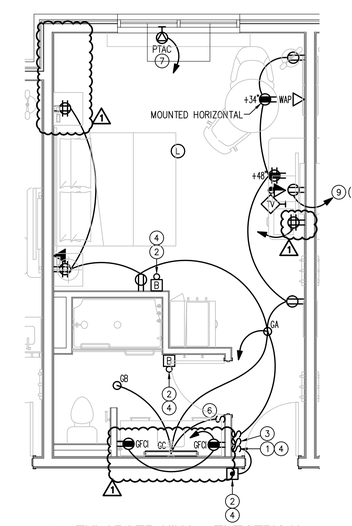
3 / E301 ENLARGED KING STUDIO SUITE - ELECTRICAL

SCALE: 1/4" = 1'-0"



2 / E301 ENLARGED KING (ADA) - ELECTRICAL

SCALE: 1/4" = 1'-0"



1 / E301 ENLARGED KING - ELECTRICAL

SCALE: 1/4" = 1'-0"

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-5943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20607 ENGINEER E. DEAN BELK
04-11-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

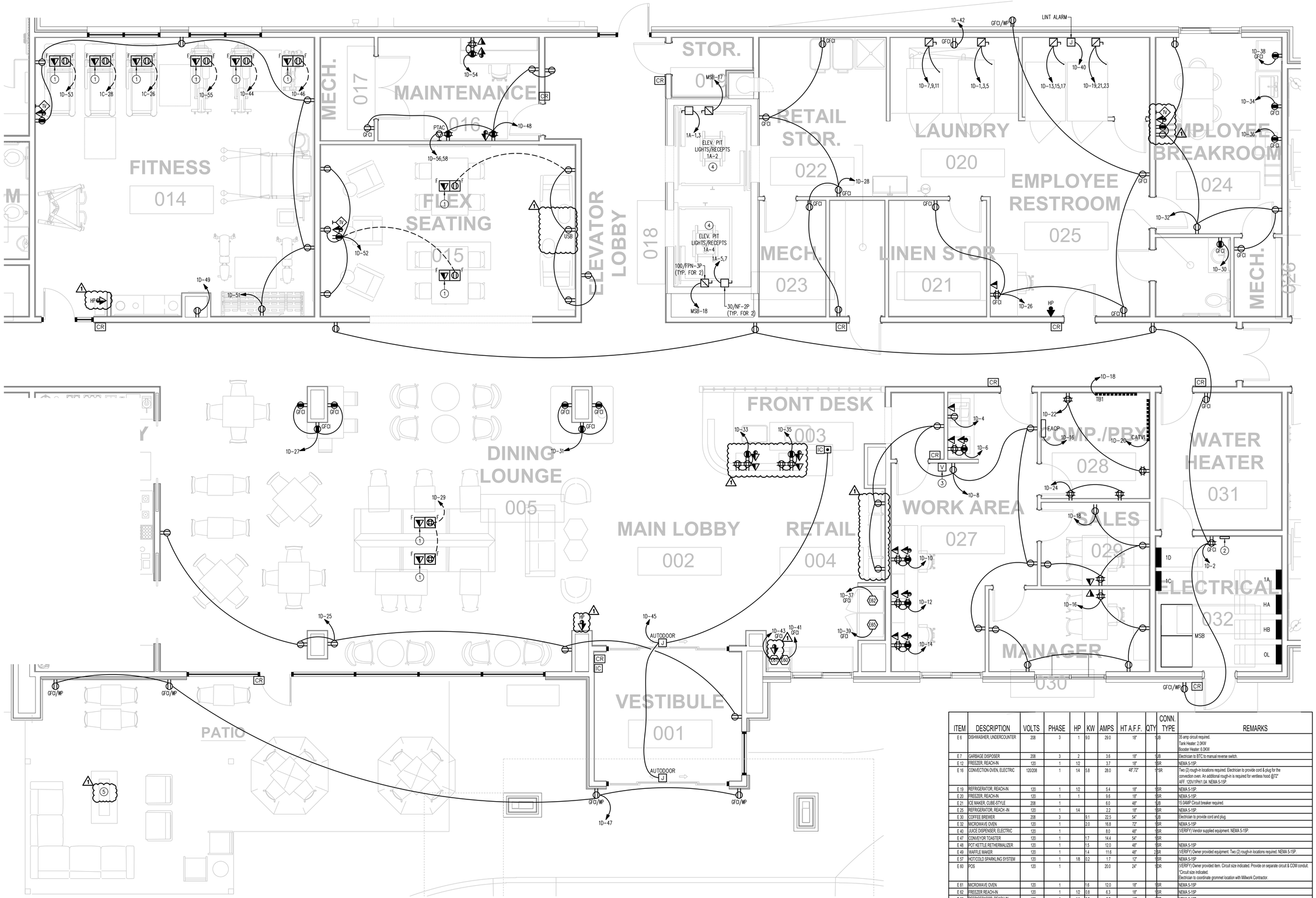
revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: MSM
checked by: EDB
project no: 25-104

ENLARGED GUEST ROOM ELECTRICAL PLANS

E301



POWER KEYED NOTES: (#)

1. PROVIDE A 1" E.C. WITH PULLSTRINGS FROM EACH FLOOR BOX TO THE NEAREST WALL, RUN UP THROUGH THE WALL TO 6" ABOVE THE ACCESSIBLE CEILING FOR LOW VOLTAGE CABLING BY OTHERS.
2. CONNECTION FOR BI-DIRECTIONAL AMPLIFIER (BDA). 120V,1ø, 0.7 FLA.
3. SOUND SYSTEM VOLUME CONTROL. PROVIDE A JUNCTION BOX WITH ¾" CONDUIT TO 6" ABOVE THE ACCESSIBLE CEILING. COORDINATE EXACT LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN.
4. ~~COORDINATE EXACT LOCATIONS AND REQUIREMENTS OF ELEVATOR EQUIPMENT PRIOR TO ROUGH-IN.~~
5. SEE DETAIL 14/E003 FOR FIRE PIT EMERGENCY SHUT OFF.

1 / E302 PARTIAL FIRST FLOOR ENLARGED PLAN - POWER

SCALE: 1/4" = 1'-0"

ITEM	DESCRIPTION	VOLTS	PHASE	HP	KW	AMPS	HT A.F.F.	QTY	CONN. TYPE	REMARKS
E 6	DISHWASHER, UNDERCOUNTER	208	3	1	9.0	29.0	18"	1	LB	35 amp circuit required. Tank Heater: 2.0KW Booster Heater: 6.0KW
E 7	GARBAGE DISPOSER	208	3	2		3.6	18"	1	LB	Electrician to BTC to manual reverse switch.
E 12	FREEZER, REACH-IN	120	1	1/2		3.7	18"	1	SR	NEMA 5-15P.
E 16	CONVECTION OVEN, ELECTRIC	120/208	1	1/4	5.8	28.0	48",72"	1	SR	Two (2) rough-in locations required. Electrician to provide cord & plug for the convection oven. An additional rough-in is required for ventless hood @72" AFF. 120V/1Ø/1.0A NEMA 5-15P.
E 19	REFRIGERATOR, REACH-IN	120	1	1/2		5.4	18"	1	SR	NEMA 5-15P.
E 20	FREEZER, REACH-IN	120	1	1		9.6	18"	1	SR	NEMA 5-15P.
E 21	ICE MAKER, CUBE-STYLE	208	1			6.0	48"	1	LB	15 SAMP Circuit breaker required.
E 25	REFRIGERATOR, REACH-IN	120	1	1/4		2.2	18"	1	SR	NEMA 5-15P.
E 30	COFFEE BREWER	208	3		9.1	22.5	54"	1	LB	Electrician to provide cord and plug.
E 32	MICROWAVE OVEN	120	1		2.0	16.8	72"	1	SR	NEMA 5-15P
E 40	JUICE DISPENSER, ELECTRIC	120	1			8.0	48"	1	SR	(VERIFY) Vendor supplied equipment. NEMA 5-15P.
E 47	CONVEYOR TOASTER	120	1		1.7	14.4	54"	1	SR	
E 48	POT KETTLE RETHERMALIZER	120	1		1.5	12.0	48"	1	SR	NEMA 5-15P
E 49	WAFFLE MAKER	120	1		1.4	11.6	48"	1	SR	(VERIFY) Owner provided equipment. Two (2) rough-in locations required. NEMA 5-15P.
E 57	HOT/COLD SPARKLING SYSTEM	120	1	1/8	0.2	1.7	12"	1	SR	NEMA 5-15P
E 60	POS	120	1			20.0	24"	1	SR	(VERIFY) Owner provided item. Circuit size indicated. Provide on separate circuit & COM conduit. *Circuit size indicated. Electrician to coordinate grommet location with Millwork Contractor.
E 61	MICROWAVE OVEN	120	1		1.6	12.0	18"	1	SR	NEMA 5-15P
E 62	FREEZER REACH-IN	120	1	1/2	0.8	6.3	18"	1	SR	NEMA 5-15P
E 65	REFRIGERATOR, REACH-IN	120	1	1/4	0.3	2.2	18"	1	SR	NEMA 5-15P

NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL DISCONNECT SWITCHES, RECEPTACLE, ETC. TO MECHANICAL/PLUMBING AND KITCHEN EQUIPMENT AS REQUIRED. THE ELECTRICAL CONTRACTOR SHALL ALSO PROVIDE ALL CORDS, PLUGS, CABLES, ETC. ON EQUIPMENT REQUIRING SUCH ITEMS.
2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE FINAL CONNECTIONS TO ALL MECHANICAL/PLUMBING AND KITCHEN EQUIPMENT AS REQUIRED.
3. ALL DISCONNECT SWITCHES, FUSE SIZES, PLUG CONFIGURATIONS, BREAKER SIZES, ETC., SHALL BE COORDINATED WITH SHOP DRAWINGS PRIOR TO INSTALLING. ANY EQUIPMENT INSTALLED INCORRECTLY BECAUSE OF LACK OF COORDINATION WILL BE REMOVED AND INSTALLED CORRECTLY AT THE ELECTRICAL CONTRACTOR'S EXPENSE.
4. ELEC. CONTRACTOR SHALL PULL A GROUND AND A NEUTRAL WITH ALL CIRCUITS, WHETHER SO DESIGNATED OR NOT.
5. ALL 15 AND 20 AMP RECEPTACLES IN KITCHEN SHALL BE GFI.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 F 919.838.9995

ALLIED
CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20807 ENGINEER E. DEAN BELK
09-11-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

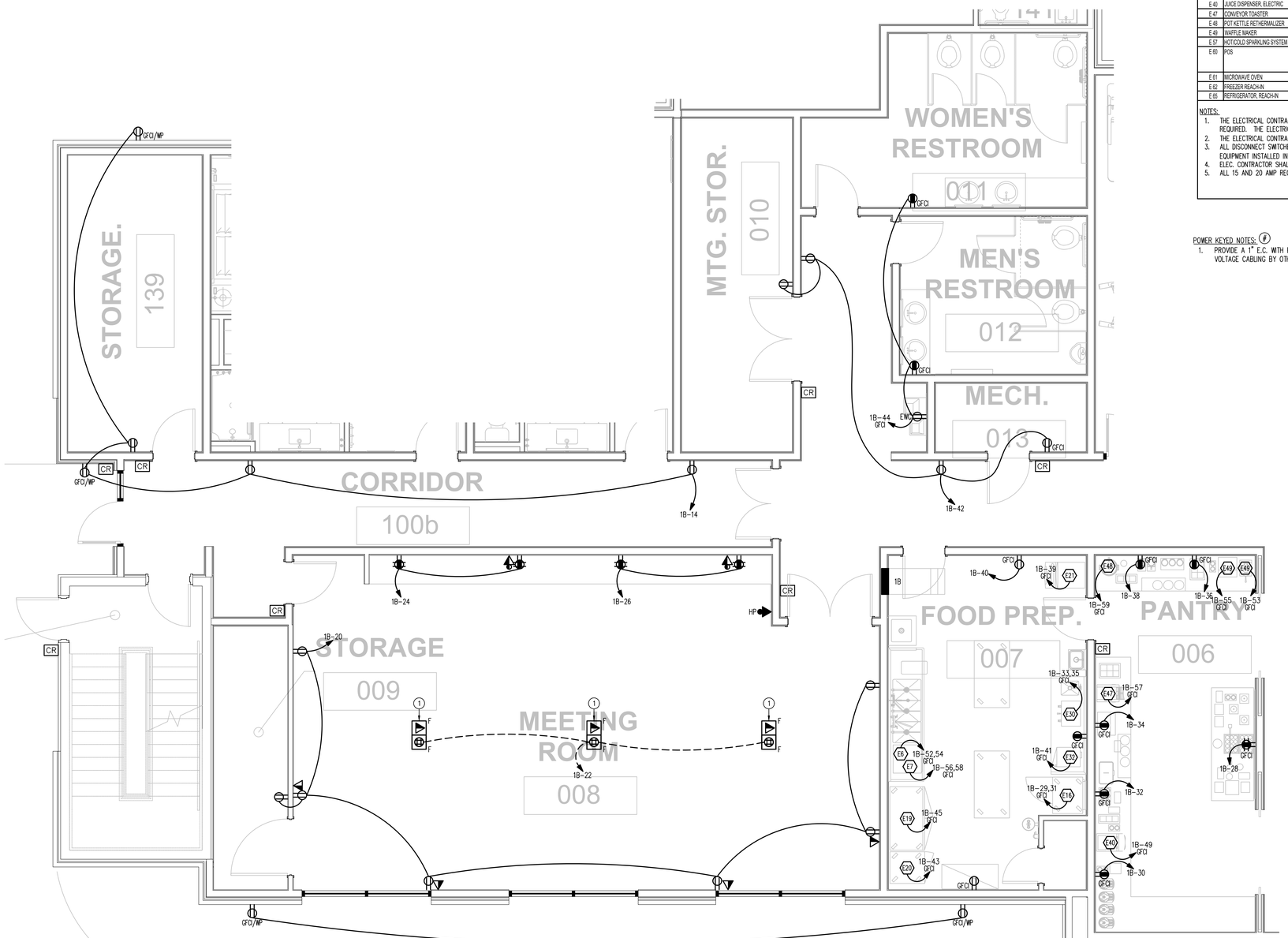
drawn by: MSM

checked by: EDB

project no: 25-104

ENLARGED PARTIAL FIRST FLOOR COMMON AREA POWER PLAN

E302



2 E303 PARTIAL FIRST FLOOR ENLARGED PLAN - POWER
SCALE: 1/4" = 1'-0"

ITEM	DESCRIPTION	VOLTS	PHASE	HP	KW	AMPS	HT A.F.F.	QTY	CONN. TYPE	REMARKS
E 6	DISHWASHER, UNDERCOUNTER	208	3	1	9.0	29.0	18"	1	LB	35 amp circuit required. Tank Heater: 2.0KW Booster Heater: 6.0KW
E 7	GARBAGE DISPOSER	208	3	2		3.6	18"	1	LB	Electrician to BTC to manual reverse switch.
E 12	FREEZER REACH-IN	120	1	1/2		3.7	18"	1	SR	NEMA 5-15P.
E 16	CONVECTION OVEN, ELECTRIC	120/208	1	1/4	5.8	28.0	48",72"	1	SR	Two (2) rough-in locations required. Electrician to provide cord & plug for the convection oven. An additional rough-in is required for ventless hood @72" AFF. 120V/1PH/1.0A NEMA 5-15P.
E 19	REFRIGERATOR, REACH-IN	120	1	1/2		5.4	18"	1	SR	NEMA 5-15P.
E 20	FREEZER, REACH-IN	120	1	1		9.6	18"	1	SR	NEMA 5-15P
E 21	ICE MAKER, CUBE-STYLE	208	1			6.0	48"	1	LB	15.0AMP Circuit breaker required.
E 25	REFRIGERATOR, REACH-IN	120	1	1/4		2.2	18"	1	SR	NEMA 5-15P.
E 30	COFFEE BREWER	208	3		8.1	22.5	54"	1	LB	Electrician to provide cord and plug.
E 32	MICROWAVE OVEN	120	1		2.0	16.8	72"	1	SR	NEMA 5-15P
E 40	JUICE DISPENSER, ELECTRIC	120	1			8.0	48"	1	SR	(VERIFY) Vendor supplied equipment. NEMA 5-15P.
E 47	CONVEYOR TOASTER	120	1		1.7	14.4	54"	1	SR	
E 48	POT KETTLE BETHERMALIZER	120	1		1.5	12.0	48"	1	SR	NEMA 5-15P
E 49	WAFFLE MAKER	120	1		1.4	11.6	48"	1	SR	(VERIFY) Owner provided equipment. Two (2) rough-in locations required. NEMA 5-15P.
E 57	HOT/COLD SPARKLING SYSTEM	120	1	1/8	0.2	1.7	12"	1	SR	NEMA 5-15P
E 60	POS	120	1			20.0	24"	1	DR	(VERIFY) Owner provided item. Circuit size indicated. Provide on separate circuit & COM conduit. *Circuit size indicated. Electrician to coordinate grommet location with Millwork Contractor.
E 61	MICROWAVE OVEN	120	1		1.6	12.0	18"	1	SR	NEMA 5-15P
E 62	FREEZER REACH-IN	120	1	1/2	0.8	6.3	18"	1	SR	NEMA 5-15P
E 65	REFRIGERATOR, REACH-IN	120	1	1/4	0.3	2.2	18"	1	SR	NEMA 5-15P

NOTES:
1. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL DISCONNECT SWITCHES, RECEPTACLE, ETC. TO MECHANICAL/PLUMBING AND KITCHEN EQUIPMENT AS REQUIRED. THE ELECTRICAL CONTRACTOR SHALL ALSO PROVIDE ALL CORDS, PLUGS, CABLES, ETC. ON EQUIPMENT REQUIRING SUCH ITEMS.
2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE FINAL CONNECTIONS TO ALL MECHANICAL/PLUMBING AND KITCHEN EQUIPMENT AS REQUIRED.
3. ALL DISCONNECT SWITCHES, FUSE SIZES, PLUG CONFIGURATIONS, BREAKER SIZES, ETC., SHALL BE COORDINATED WITH SHOP DRAWINGS PRIOR TO INSTALLING. ANY EQUIPMENT INSTALLED INCORRECTLY BECAUSE OF LACK OF COORDINATION WILL BE REMOVED AND INSTALLED CORRECTLY AT THE ELECTRICAL CONTRACTOR'S EXPENSE.
4. ELEC. CONTRACTOR SHALL PULL A GROUND AND A NEUTRAL WITH ALL CIRCUITS, WHETHER SO DESIGNATED OR NOT.
5. ALL 15 AND 20 AMP RECEPTACLES IN KITCHEN SHALL BE GFI.

POWER KEYED NOTES: #
1. PROVIDE A 1" E.C. WITH PULLSTRINGS FROM EACH FLOOR BOX TO THE NEAREST WALL, RUN UP THROUGH THE WALL TO 6" ABOVE THE ACCESSIBLE CEILING FOR LOW VOLTAGE CABLING BY OTHERS.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20607 ENGINEER E. DEAN BELK
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

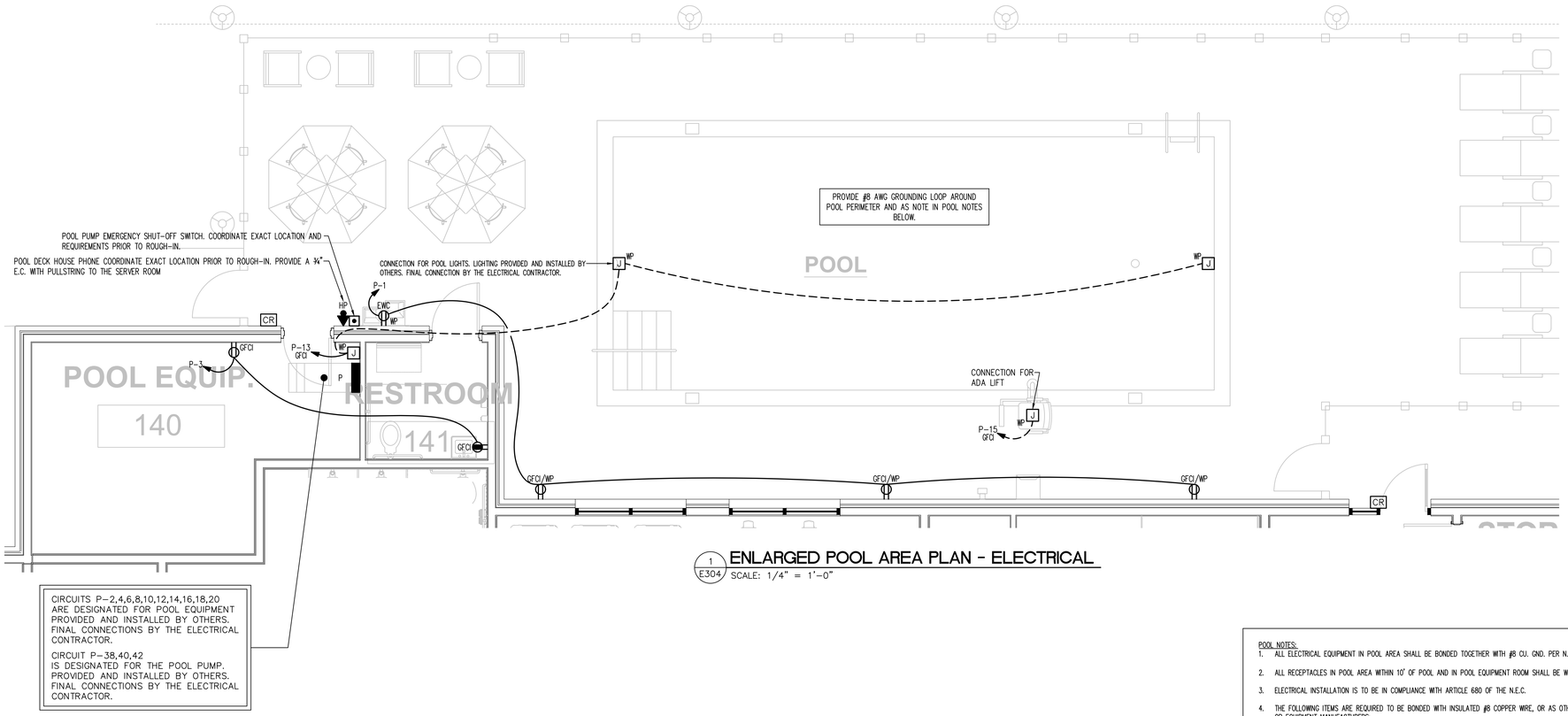
Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: MSM
checked by: EDB
project no: 25-104

ENLARGED PARTIAL FIRST FLOOR COMMON AREA POWER PLAN

E303

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



1 / E304 ENLARGED POOL AREA PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

POOL NOTES:

1. ALL ELECTRICAL EQUIPMENT IN POOL AREA SHALL BE BONDED TOGETHER WITH #8 CU. GND. PER N.E.C. #680-26.
2. ALL RECEPTACLES IN POOL AREA WITHIN 10' OF POOL AND IN POOL EQUIPMENT ROOM SHALL BE WEATHERPROOF G.F.C.I. TYPE.
3. ELECTRICAL INSTALLATION IS TO BE IN COMPLIANCE WITH ARTICLE 680 OF THE N.E.C.
4. THE FOLLOWING ITEMS ARE REQUIRED TO BE BONDED WITH INSULATED #8 COPPER WIRE, OR AS OTHERWISE REQUIRED BY THE N.E.C. OR EQUIPMENT MANUFACTURERS:
   A. ALL METALLIC PARTS OF THE POOL STRUCTURE, INCLUDING REINFORCING STEEL, IN ALL CONCRETE SLABS.
   B. UNDERWATER LIGHT FIXTURES, INCLUDING FORMING SHELLS, MOUNTING BRACKETS AND JUNCTION BOXES AS REQUIRED.
   C. HANDRAILS.
   D. LADDERS.
   E. PUMP MOTORS, FOR ALL POOLS AND THE SLIDE.
   F. WINDOW FRAMES & DOOR FRAMES, WHERE NOTED.
   G. LIGHT FIXTURES ABOVE THE POOL OR SPA AND WITHIN 5 FEET HORIZONTALLY OF THE POOL OR SPA WALLS.
   H. ALL METAL PARTS ASSOCIATED WITH THE SLIDE AND THE SPRAY AREA.
   I. ANY OTHER METALLIC PARTS REQUIRED BY THE N.E.C.
5. THE FOLLOWING ITEMS ARE REQUIRED TO BE GROUNDED WITH INSULATED #12 COPPER WIRE MINIMUM, OR AS OTHERWISE REQUIRED BY THE N.E.C. OR EQUIPMENT MANUFACTURERS:
   A. UNDERWATER LIGHTING FIXTURES.
   B. ALL ELECTRIC EQUIPMENT WITHIN 5'-0" OF THE POOL OR SPA.
   C. ALL ELECTRIC EQUIPMENT ASSOCIATED WITH THE CIRCULATION SYSTEM OF THE POOL OR SPA.
   D. JUNCTION BOXES.
   E. TRANSFORMER ENCLOSURES.
   F. PANELBOARDS SUPPLYING POWER TO ANY EQUIPMENT ASSOCIATED WITH THE POOL OR SPA.
   G. GROUND FAULT INTERRUPT CIRCUITS.
6. GROUNDING FOR POOL AND SPA LIGHTS AND FOR PUMP MOTORS IS TO BE IN CONDUIT.
7. ALL UNDERWATER LIGHT FIXTURES MUST BE SUBMERGED BEFORE BEING OPERATED.
8. UNDERWATER LIGHT FIXTURES MUST BE REMOVABLE FROM THE WATER FOR RELAMPING OR NORMAL MAINTENANCE WITHOUT REQUIRING DRAINAGE OF THE POOL.
9. NICHE LIGHT FIXTURES SHALL BE SUPPLIED WITH CORDS WHICH ARE 50 FEET LONG, EXCEPT AS NOTED. CONDUIT RUNS FROM EACH NICHE TO THE APPROPRIATE CONNECTION POINT (DECK BOX, SUBMERSIBLE JUNCTION BOX, ETC.) MUST BE AS DIRECT AS POSSIBLE AND A TOTAL LENGTH SHORTER THAN THE CORD WHEN PROPERLY INSTALLED. TO PROPERLY INSTALL FIXTURE AND CORD, LEAVE ENOUGH CORD IN THE NICHE SO THAT WHEN SERVICING IS REQUIRED THE FIXTURE CAN BE LIFTED ABOVE WATER LEVEL WITHOUT DRAINING THE POOL (WRAP EXTRA CORD LENGTH AROUND THE FIXTURE WHEN PLACING IN NICHE).
10. WHEN RESEALING A FIXTURE (SUCH AS AFTER RELAMPING, ETC.) CARE MUST BE TAKEN TO TIGHTEN THE SCREWS OR BOLTS IN SUCH A FASHION AS TO CREATE EQUAL PRESSURE ON THE GASKET ALL THE WAY AROUND THE FIXTURE.
11. ALL THREADED CONNECTIONS MUST BE MADE WITH NATIONAL TAPERED PIPE THREADS (N.P.T.) AND APPROVED THREAD SEALANT.
12. AN APPROVED POTTING COMPOUND (LOW MELTING PARAFFIN OR RTV SILASTIC) MUST BE USED TO FILL THE ENTRY OF THE JUNCTION BOX TO PREVENT MOISTURE MIGRATION INTO THE CONDUIT. AFTER POTTING THE JUNCTION BOX, ATTACH THE COVER PLATE SO THAT IT IS WATERTIGHT.
13. ALL METALLIC PIPING SYSTEMS ASSOCIATED WITH THE POOL MUST BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR OF THE BRANCH CIRCUIT SUPPLYING THE POOL.
14. UNDERWATER TYPE SO AND ST CORD CANNOT BE SPLICED EXCEPT IN AN APPROVED UNDERWATER JUNCTION BOX OR UL LISTED UNDERWATER SPLICE KIT.
15. MAXIMUM EXPOSED CORD LENGTH IS 10 FEET. ANY LENGTH BEYOND 10 FEET MUST BE PROTECTED BY CONDUIT.
16. THE CONDUIT SYSTEM MUST BE WATERTIGHT FROM THE PANEL TO THE POOL.
17. ALL CONDUITS EXPOSED TO MOISTURE (BELOW GROUND, IN THE POOL, ETC.) MUST BE OF A NON-CORROSIBLE MATERIAL.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20607 ENGINEER E. DEAN BELK
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

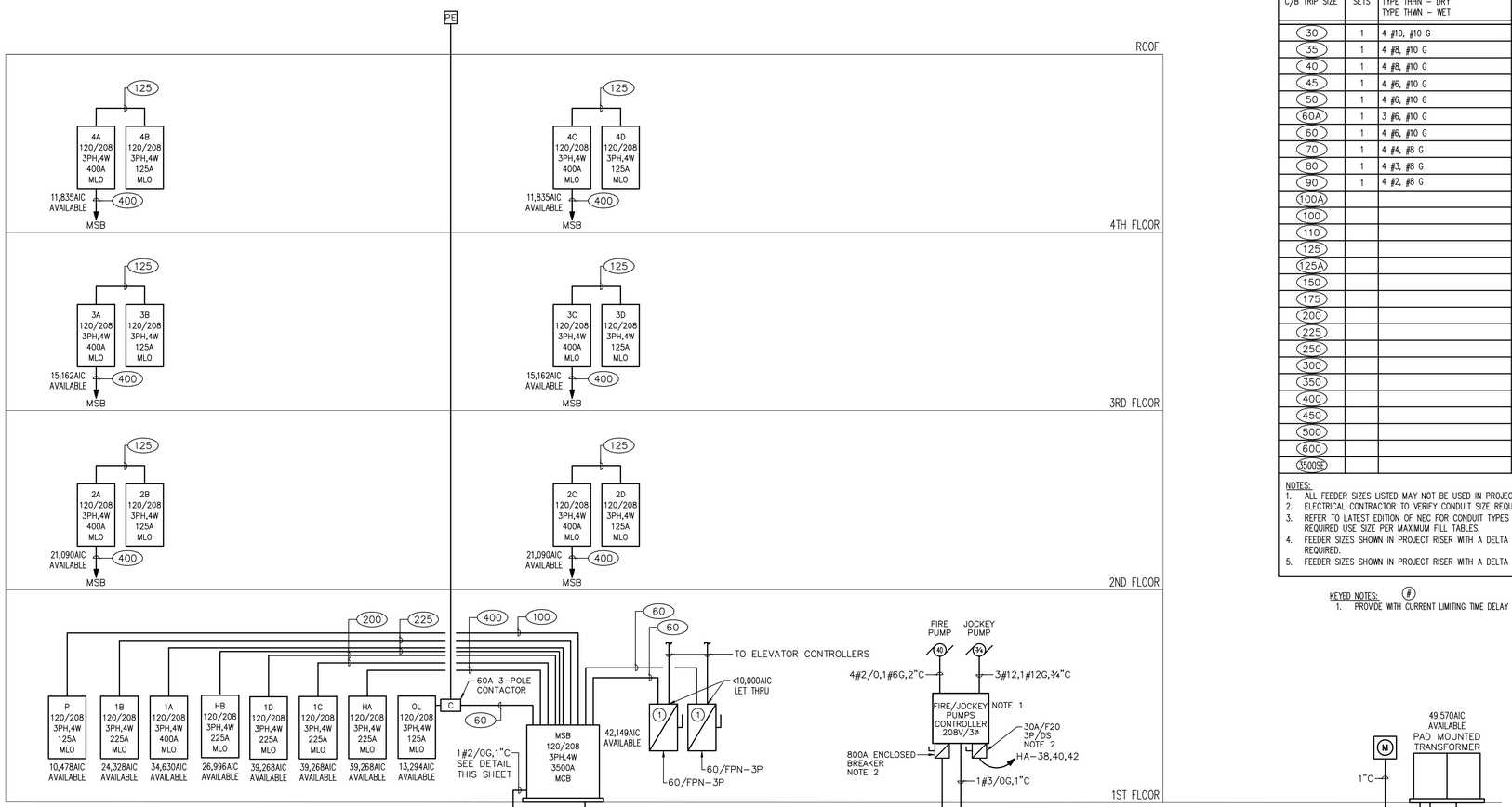
Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: MSM
checked by: EDB
project no: 25-104

ENLARGED POOL AREA ELECTRICAL PLAN

E304

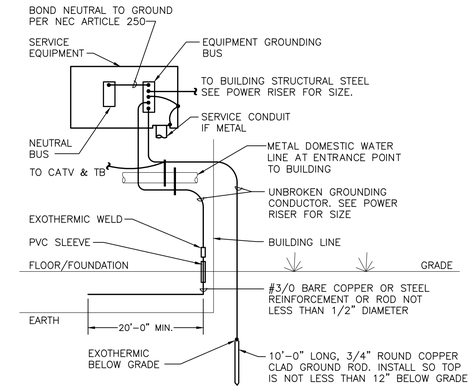
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



FIRE PUMP NOTES:

1. MOTOR(S), CONTROLLER(S), AND ASSOCIATED ACCESORIES FOR THE FIRE PUMP SYSTEM SHALL BE LISTED FOR FIRE PROTECTION SERVICE. COORDINATE EXACT SIZING REQUIREMENTS WITH MANUFACTURER. ADJUST BREAKER/FUSE/WIRING SIZING AS REQUIRED BASE ON THE MANUFACTURER'S REQUIREMENTS.
2. FIRE/JOCKEY PUMPS CONTROLLER DISCONNECTS SHALL BE LISTED FOR USE AS SERVICE ENTRANCE EQUIPMENT, LOCKABLE IN THE "ON" POSITION, LABELED PER NEC 695-4(b)(3) AND SUPERVISED IN THE CLOSED POSITION BY THE FIRE ALARM CONTROL PANEL. LOCATE DISCONNECTS ADJACENT TO FIRE/JOCKEY PUMPS CONTROLLER.
3. THE E.C. SHALL FIELD COORDINATE AND ADJUST THE FEEDERS SIZES TO THE FIRE PUMP FOR VOLTAGE DROP AS REQUIRED BASED ON THEIR FINAL FEEDER ROUTING.

1 / E401 **POWER RISER DIAGRAM**
SCALE: NOT TO SCALE



RESISTANCE TO GROUND SHALL BE LESS THAN 25 OHMS

2 / E4.1 **SERVICE GROUNDING DETAIL**
NO SCALE

CU FEEDER SCHEDULE / AL FEEDERS

STD. FUSE OR C/B TRIP SIZE	# OF SETS	BUILDING WIRE QUANTITY & SIZE. TYPE THHN – DRY TYPE THWN – WET	MINIMUM CONDUIT SIZE	# OF SETS	BUILDING WIRE QUANTITY & SIZE. TYPE THHN – DRY TYPE THWN – WET	MINIMUM CONDUIT SIZE
30	1	4 #10, #10 G	1/2"	N/A	N/A	N/A
35	1	4 #8, #10 G	3/4"	N/A	N/A	N/A
40	1	4 #8, #10 G	3/4"	N/A	N/A	N/A
45	1	4 #6, #10 G	1"	N/A	N/A	N/A
50	1	4 #6, #10 G	1"	N/A	N/A	N/A
60A	1	3 #6, #10 G	1"	N/A	#2, #2, #2 W/ #4 G SER	N/A
60	1	4 #6, #10 G	1"	N/A	N/A	N/A
70	1	4 #4, #8 G	1 1/4"	N/A	N/A	N/A
80	1	4 #3, #8 G	1 1/4"	N/A	N/A	N/A
90	1	4 #2, #8 G	1 1/4"	N/A	N/A	N/A
100A				1	1/0, 1/0, 1/0 W/ #2 G SER	N/A
100				1	4 #1, #6 G	2"
110				1	4 #1/0, #4 G	2"
125				1	4 #2/0, #4 G	2"
125A				1	3/0, 3/0, 3/0 W/ #1/0 G SER	N/A
150				1	4 #3/0, #4 G	2 1/2"
175				1	4 #4/0, #4 G	2 1/2"
200				1	4 –250KCMIL, #4 G	3"
225				1	4 –300KCMIL, #2 G	3"
250				1	4 – 350KCMIL, #2 G	3"
300				1	4 – 500KCMIL, #2 G	3 1/2"
350				1	4 – 750KCMIL, #1 G	5"
400				2	4 – 250KCMIL, #1 G	3"
450				2	4 – 300KCMIL, #1/0 G	3"
500				2	4 – 350KCMIL, #1/0 G	3"
600				2	4 – 500KCMIL, #2/0 G	3 1/2"
3500SC				10	4 – 700KCMIL	4"

NOTES:

1. ALL FEEDER SIZES LISTED MAY NOT BE USED IN PROJECT RISER DIAGRAM.
2. ELECTRICAL CONTRACTOR TO VERIFY CONDUIT SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.
3. REFER TO LATEST EDITION OF NEC FOR CONDUIT TYPES REQUIRED PER THEIR LOCATION. IF CONDUIT OTHER THAN "EMT" IS REQUIRED USE SIZE PER MAXIMUM FILL TABLES.
4. FEEDER SIZES SHOWN IN PROJECT RISER WITH A DELTA SYMBOL " D " ARE 3ø, 3 WIRE FEEDERS, A NEUTRAL WIRE IS NOT REQUIRED.
5. FEEDER SIZES SHOWN IN PROJECT RISER WITH A DELTA SYMBOL " F " ARE 1ø, 3 WIRE FEEDERS.

KEYED NOTES: (#)

1. PROVIDE WITH CURRENT LIMITING TIME DELAY RK1 FUSES OR EQUAL.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20607 ENGINEER E. DEAN BELK
04-11-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2025

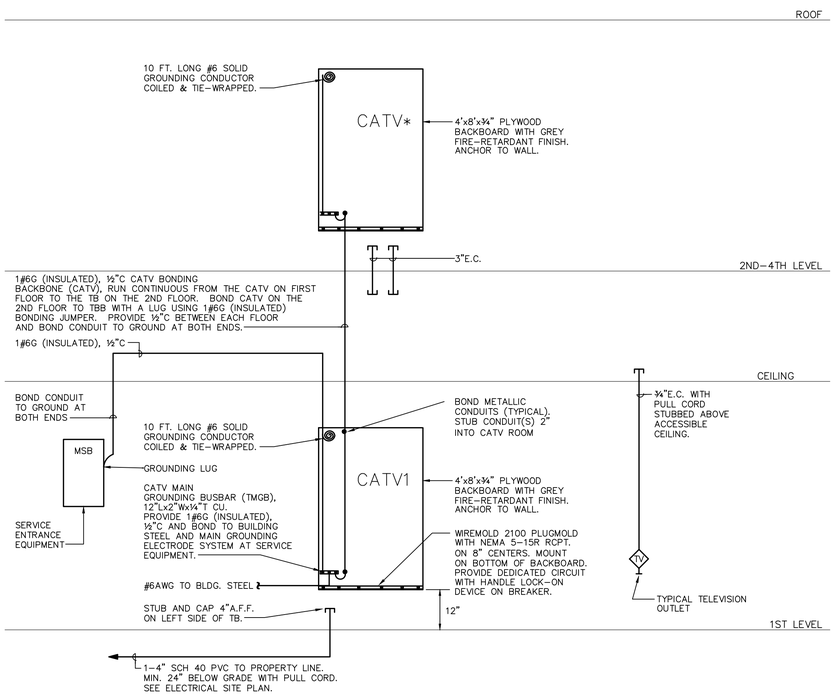
revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: MSM
checked by: EDB
project no: 25-104

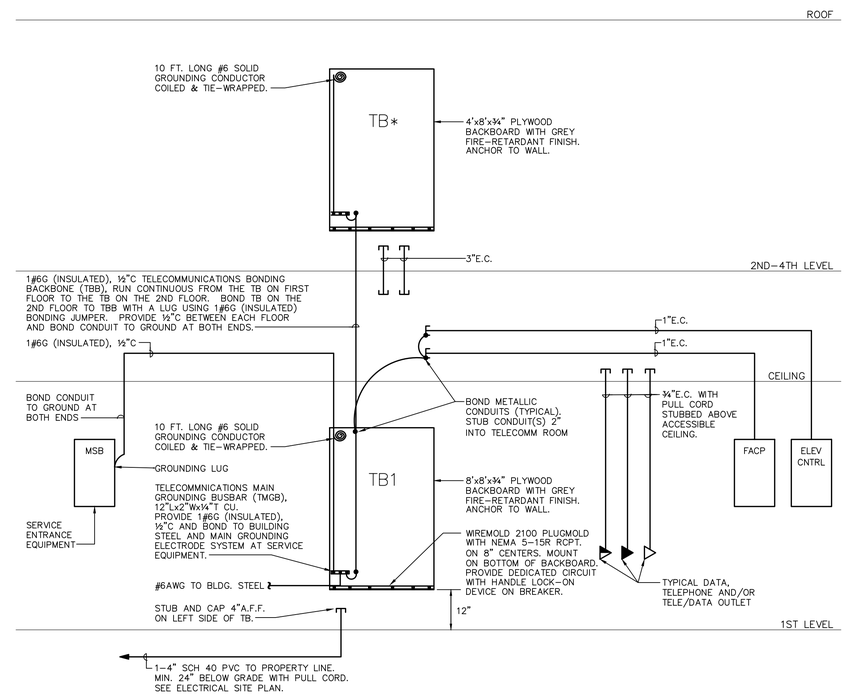
POWER RISER DIAGRAM

E401



CATV RISER DIAGRAM NOTES:
1. FLOOR PLANS INDICATE THE EXACT QUANTITY AND LOCATION OF ALL TELEVISION OUTLETS.
2. ALL TELEVISION WIRING AND EQUIPMENT SHALL BE PROVIDED BY THE OWNER'S CATV SUPPLIER.

2 / E402 CATV RISER DIAGRAM
SCALE: NOT TO SCALE



TELE/DATA RISER DIAGRAM NOTES:
1. FLOOR PLANS INDICATE THE EXACT QUANTITY AND LOCATION OF ALL TELEPHONE AND/OR DATA OUTLETS.
2. ALL TELEPHONE AND/OR DATA WIRING AND EQUIPMENT SHALL BE PROVIDED BY THE OWNER'S TELE/DATA SUPPLIER.

1 / E402 TELEPHONE RISER DIAGRAM
SCALE: NOT TO SCALE

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140
Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20607 ENGINEER E. DEAN BELK
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: MSM
checked by: EDB
project no: 25-104

TELE/DATA AND CATV RISER DIAGRAM

E402

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

PANEL: **1B**

120/208 VOLT: 3 Ø 4 WIRE TYPE: NQOD AIC: 35,000 BY: MSM
SURFACE MOUNTED, 225 AMP MAIN LUGS ONLY NEUTRAL SIZE AMPS 225 JOB # 25165
CHECKED BY: EDB DATE: 9/15/2026

LOAD	KVA A	KVA B	KVA C	REMARKS OR EQUIPMENT SERVED	WIRE SIZE	TRIP AMPS	POLES	CIRCUIT NO.									KVA A	KVA B	KVA C	LOAD	LIGHTS	RECEPTS	MOTORS	HEAT	KITCHEN	OTHER	SPARE
R	0.8			REC-GUEST MICRO. (G)	12	20*	1	1	2	2	20	12	PTAC				1.7			M		0.8	1.7				
R		0.8		REC-GUEST REF. (G)	12	20*	1	3	4									1.7		M		0.8	1.7				
R			0.2	REC-GUEST BATH	12	20*	1	5	6	2	20	12	SPARE									0.2					
R	1.2			LTG/REC-GUEST	12	20*	1	7	8													1.2					
				SPARE		20	1	9	10	2	20		SPARE														
				SPARE		20	1	11	12																		
				SPARE		20	1	13	14	1	20	12	RECEPTS				1.0			R		1.0					
				SPARE		20	1	15	16	1	20	12	LIGHTS-STAIR (L)					0.5		L	0.5						
L			0.3	LIGHTS	12	20	1	17	18	1	20	12	LIGHTS						1.4	L	1.7						
				SPARE		20	1	19	20	1	20	12	REC-MEETING	1.4						R		1.4					
				SPARE		20	1	21	22	1	20	12	REC-MEETING					1.2		R		1.2					
				SPARE		20	1	23	24	1	20	12	REC-MEETING						0.8	R		0.8					
R	1.0			RECEPTS	12	20	1	25	26	1	20	12	REC-MEETING	0.8						R		1.8					
				SPARE		20	1	27	28	1	20	12	REC-FOOD PREP					0.4		R		0.4					
K			2.9	CONVECTION OVEN (G)	8	40	2	29	30	1	20	12	REC-FOOD PREP						0.2	R		0.2		2.9			
K	2.9							31	32	1	20	12	REC-FOOD PREP	0.2						R		0.2		2.9			
K		2.7		COFFE BREWER (G)	10	30	2	33	34	1	20	12	REC-FOOD PREP					0.2		R		0.2		2.7			
K			2.7					35	36	1	20	12	REC-FOOD PREP						0.2	R		0.2		2.7			
				SPARE		20	1	37	38	1	20	12	REC-FOOD PREP	0.2						R		0.2					
K		1.5		ICE MAKER (G)	13	20	1	39	40	1	20	12	REC-FOOD PREP					0.6		R		0.6		1.5			
K			1.8	MICROWAVE (G)	14	20	1	41	42	1	20	12	RECEPTS						0.8	R		0.8		1.8			
K	1.0			FREEZER (G)	15	20	1	43	44	1	20	12	RECEPTS (G)	0.8						R		0.8		1.0			
K		1.0		REF. (G)	16	20	1	45	46	1	20		SPARE											1.0			
R			0.4	REC-BREAKFAST	17	20	1	47	48	1	20		SPARE									0.4					
K	1.5			JUICE (G)	18	20	1	49	50	1	20		SPARE											1.5			
R		0.4		REC-BREAKFAST	19	20	1	51	52	2	40	8	DISHWASHER (G)					4.5		K		0.4		4.5			
K			1.8	WAFFLE MAKER (G)	20	20	1	53	54										4.5	K				6.3			
K	1.8			WAFFLE MAKER (G)	21	20	1	55	56	2	40	8	DISPOSER (G)	0.4						K				2.2			
K		1.8		TOASTER (G)	22	20	1	57	58									0.4		K				2.2			
K			1.5	POT KETTLE (G)	23	20	1	59	60	1	20		SPARE											1.5			
	10.2	8.2	11.6	SUBTOTALS													6.5	9.5	7.9								
				TOTALS												0.0	16.7	17.7	19.5		2.2	13.6	3.4		34.8		

LOAD	KVA CONNECTED	D.F.	KVA NET
LIGHTING	2.2	1.25	2.8
RECEPTACLES	10.0	1.00	10.0
RECEPTACLES	3.6	0.50	1.8
MOTORS	3.4	1.00	3.4
LARGEST MOTOR	0.0	1.75	0.0
HEAT	0.0	1.00	0.0
KITCHEN	34.8	0.65	22.6
OTHER	0.0	1.00	0.0
SPARE	0.0	1.00	0.0
TOTAL	54.0		40.5

CALCULATIONS: 40.5 / 0.36 112.6 A X 1.25 = 140.8 A

NOTES:
1 FOR EACH CIRCUIT SERVING A GUEST ROOM LABEL EACH WITH THE ROOM NUMBER PER NEC 404.4A
2 * - INDICATES TO PROVIDE AN ARC FAULT BREAKER.
3 (G) - INDICATES TO PROVIDE A GFCI BREAKER.
4 (L) - INDICATES TO PROVIDE A BREAKER WITH A HANDLE LOCKING DEVICE.

PANEL: **1A**

120/208 VOLT: 3 Ø 4 WIRE TYPE: NQOD AIC: 42,000 BY: MSM
SURFACE MOUNTED, 400 AMP MAIN BREAKER NEUTRAL SIZE AMPS 400 JOB # 25165
CHECKED BY: EDB DATE: 9/15/2026

LOAD	KVA A	KVA B	KVA C	REMARKS OR EQUIPMENT SERVED	WIRE SIZE	TRIP AMPS	POLES	CIRCUIT NO.									KVA A	KVA B	KVA C	LOAD	LIGHTS	RECEPTS	MOTORS	HEAT	KITCHEN	OTHER	SPARE
O	1.0			ELEV. LTG	12	20	2	1	2	1	20	12	LTG/REC-ELEV. SHAFT				1.0			L	1.0					1.0	
O		1.0		ELEV. CONTROLS				3	4	1	20	12	LTG/REC-ELEV. SHAFT				1.0			L	1.0					1.0	
O			1.0	ELEV. LTG	12	20	2	5	6	2	60	6	EV. CHARGER			5.0				O						6.0	
O	1.0			ELEV. CONTROLS				7	8								5.0			O						6.0	
M		1.0		ESP (G)	12	20	1	9	10	2	60	6	EV. CHARGER			5.0				O			1.0			5.0	
M			1.0	ESP (G)	12	20	1	11	12								5.0			O			1.0			5.0	
O	1.0			BDA SYSTEM	12	20	1	13	14	2	60	6	EV. CHARGER			5.0				O						6.0	
O		1.0		FIRE SMOKE DAMP.	12	20	1	15	16								5.0			O						6.0	
R			1.5	REC-ICE MAKER (G)	12	20	1	17	18	2	60	6	EV. CHARGER					1.5		O			1.5			5.0	
L	0.5			LIGHTS-STAIR (L)	12	20	1	19	20							5.0				O	0.5					5.0	
L		0.3		LIGHTS	12	20	1	21	22	2	60	6	EV. CHARGER				5.0			O	0.3					5.0	
L			1.1	LIGHTS	12	20	1	23	24									5.0		O	1.1					5.0	
L	0.7			LIGHTS	12	20	1	25	26	2	60	6	EV. CHARGER			5.0				O	0.7					5.0	
L		0.6		LIGHTS	12	20	1	27	28								5.0			O	0.6					5.0	
L			1.1	LIGHTS	12	20	1	29	30	2	60	6	EV. CHARGER					5.0		O	1.1					5.0	
L	1.1			LIGHTS	12	20	1	31	32							5.0				O	1.1					5.0	
				SPARE		20	1	33	34	2	60	6	EV. CHARGER				5.0									5.0	
				SPARE		20	1	35	36									5.0		O						5.0	
				SPARE		20	1	37	38	1	20	12	RECEPTS	1.0						R		1.0					
				SPARE		20	1	39	40	1	20		SPARE														
				SPARE		20	1	41	42	1	20		SPARE														
	5.3	3.9	5.7	SUBTOTALS										27.2	28.2	30.2											
				TOTALS										0.0	32.5	30.1	35.9				7.4	2.5	2.0			86.6	

LOAD	KVA CONNECTED	D.F.	KVA NET
LIGHTING	7.4	1.25	9.3
RECEPTACLES	2.5	1.00	2.5
RECEPTACLES	0.0	0.50	0.0
MOTORS	2.0	1.00	2.0
LARGEST MOTOR	0.0	1.75	0.0
HEAT	0.0	1.00	0.0
KITCHEN	0.0	0.65	0.0
OTHER	86.6	1.00	86.6
SPARE	0.0	1.00	0.0
TOTAL	98.5		100.4

CALCULATIONS: 100.4 / 0.36 278.9 A X 1.25 = 348.6 A

NOTES:
1 * - INDICATES HANDLE LOCKING DEVICE
2 (SH) INDICATES TO PROVIDE A SHUNT TRIP BREAKER.

SWITCHBOARD: **MSB**

120/208 VOLTS, 3 Ø 4 WIRE, TYPE: QED SWITCHBOARD AIC: 65,000 BY: MSM
FLOOR MOUNTED, PANEL SIZE 3500 AMP MAIN BREAKER WITH GFCI 3500 AMPS JOB #: 25165
CHECKED: EDB DATE: 9/15/2026

CIRCUIT NO.	CIRCUIT BREAKER FRAME	TRIP	POLE	LOAD SERVED	PHASE KVA A	PHASE KVA B	PHASE KVA C	KVA LIGHTS	KVA RECEPTS	KVA MOTORS	KVA HEAT	KVA KITCHEN	KVA OTHER	KVA SPARE
1	65k	60	3	SFD				9.5						
2	65k	60	3	PANEL "OL"	3.6	2.7	3.2							
3	65k	400	3	PANEL "HA"	37.3	36.1	30.9			95.3	4.0		5.0	
4	65k	400	3	PANEL "1A"	32.5	30.1	35.9	7.4	2.5	2.0			86.6	
5	65k	225	3	PANEL "1B"	16.7	17.7	19.5	2.2	13.6	3.4		34.8		
6	65k	200	3	PANEL "1C"	13.0	13.6	11.8		18.0	20.4				
7	65k	200	3	PANEL "1D"	18.2	17.4	13.8		30.9	3.4			15.1	
8	65k	100	3	PANEL "P"	8.8	8.8	7.4	1.1	1.2	8.7	3.0		11.0	
9	65k	400	3	PANEL "2A"	36.3	34.8	35.0	0.6	47.9	53.4			4.2	
10	65k	400	3	PANEL "2C"	36.8	36.6	32.0	0.5	49.0	54.4			1.5	
11	65k	400	3	PANEL "3A"	36.3	33.6	34.2	0.6	48.3	51.0			4.2	
12	65k	400	3	PANEL "3C"	36.8	35.1	31.8	0.5	48.8	54.4				
13	65k	400	3	PANEL "4A"	36.3	34.8	35.0	0.6	47.9	53.4			4.2	
14	65k	400	3	PANEL "4C"	36.8	35.1	31.8	0.5	48.8	54.4				
15	65k	175	3	DOAS-1	15.0	15.0	15.0			44.9				
16	65k	150	3	DOAS-2	11.9	11.9	11.9			35.7				
17	65k	225	3	PANEL "HB"	16.4	21.0	18.7			54.1	2.0			
18	65k	60	3	ELEVATOR (SH)	6.0	6.0	6.0			18.0				
19	65k	60	3	ELEVATOR (SH)	6.0	6.0	6.0			18.0				
				SUBTOTALS										
* - INDICATES SHUNT TRIP BREAKER				0.0 TOTALS		0.0		23.5	356.9	624.9	9.0	34.8	131.8	

LOAD	KVA CONN.	D.F.	KVA NET
LIGHTING	23.5	1.25	29.4
RECEPTACLES	10.0	1.00	10.0
RECEPTACLES	346.9	0.50	173.5
MOTORS	607.5	1.00	607.5
LARGEST MOTOR	17.4	1.75	30.5
HEAT	9.0	1.00	9.0
KITCHEN	34.8	0.65	22.6
OTHER	131.8	1.00	131.8
SPARE	0.0	1.00	0.0
TOTAL	1180.9		1014.2

CALCULATIONS: 1014.2 / 0.36 2817.2 A

NOTES:
1 U.L. LISTED FOR SERVICE ENTRANCE.
2 PROVIDE AN INTEGRAL 200kA SURGE PROTECTION DEVICE.
3 (SH) INDICATES TO PROVIDE A SHUNT TRIP BREAKER.
4 PROVIDE AN INTEGRAL ENERGY REDUCTION MAINTENANCE SETTING SWITCH WITH ALL INTERNAL CONNECTIONS TO THE MAIN AND BRANCH BREAKERS FOR ARC ENERGY REDUCTION
5 PROVIDE SWITCBOARD WITH 100% RATED MAIN BREAKER.

PANEL: **HA**

120/208 VOLT: 3 Ø 4 WIRE, TYPE: NQOD AIC: 42,000 BY: MSM
SURFACE MOUNTED, 400 AMP MAIN LUGS ONLY NEUTRAL SIZE AMPS 400 JOB # 25165
CHECKED BY: EDB DATE: 9/15/2026

LOAD	KVA A	KVA B	KVA C	REMARKS OR EQUIPMENT SERVED	WIRE SIZE	TRIP AMPS	POLES	CIRCUIT NO.									KVA A	KVA B	KVA C	LOAD	LIGHTS	RECEPTS	MOTORS	HEAT	KITCHEN	OTHER	SPARE
M	5.6			AH-1	6	60	2	1	2	1	20	12	WH-1				1.0			O		5.6				1.0	
M		5.6						3	4									1.0		O		5.6				1.0	
M			4.2	AH-2	8	45	2	5	6	1	20	12	WH-1						1.0	O		4.2				1.0	
M	4.2							7	8								1.0			O		4.2				1.0	
M		5.3		AH-3	6	60	2	9	10	1	20	12	WH-1					1.0		O		5.3				1.0	
M			5.3					11	12	1	20	12	RCP						0.1	M		5.4					
M	4.3			AH-4	8	45	2	13	14	1	20	12	EWH-1				1.0			H		4.3	1.0				
M		4.3						15	16									1.0		H		4.3	1.0				
M			4.2	AH-5	8	45	2	17	18	2	20	12	EWH-1						1.0	H		4.2	1.0				
M	4.2							19	20								1.0			H		4.2	1.0				
M		2.8		AH-6	10	30	2	21	22	2	25	10	HP-10					1.4		M		4.2					
M			2.8					23	24										1.4	M		4.2					
M	5.6			AH-7	6	60	2	25	26	1	20		SPARE									5.6					
M		5.6						27	28	1	20		SPARE									5.6					
M			5.6	AH-8	6	60	2	29	30	1	20		SPARE									5.6					
M	5.6							31	32	1	20		SPARE									5.6					
M		4.3		AH-9	8	45	2	33	34	1	20		SPARE									4.3					
M			4.3					35	36	1	20		SPARE									4.3					
M	2.8			AH-10	10	30	2	37	38								1.0			M		3.8					
M		2.8						39	40	3	20	12	JOCKEY PUMP					1.0		M		3.8					
				SPARE		20	1	41	42									1.0		M		1.0					
	32.3	30.6	26.4	SUBTOTALS													5.0	5.4	4.5								
				TOTALS										0.0	37.3	36.1	30.9					95.3	4.0			5.0	

LOAD	KVA CONNECTED	D.F.	KVA NET
LIGHTING	0.0	1.25	0.0
RECEPTACLES	0.0	1.00	0.0
RECEPTACLES	0.0	0.50	0.0
MOTORS	95.3	1.00	95.3
LARGEST MOTOR	0.0	1.75	0.0
HEAT	4.0	1.00	4.0
KITCHEN	0.0	0.65	0.0
OTHER	5.0	1.00	5.0
SPARE	0.0	1.00	0.0
TOTAL	104.3		104.3

CALCULATIONS: 104.3 / 0.36 289.6 A X 1.25 = 362.0 A

NOTES:
1 * - INDICATES HANDLE LOCKING DEVICE

PANEL: **1D**

120/208 VOLT: 3 Ø 4 WIRE, TYPE: NQOD AIC: 35,000 BY: MSM
SURFACE MOUNTED, 225 AMP MAIN LUGS ONLY NEUTRAL SIZE AMPS 225 JOB # 25165
CHECKED BY: EDB DATE: 9/15/2026

LOAD	KVA A	KVA B	KVA C	REMARKS OR EQUIPMENT SERVED	WIRE SIZE	TRIP AMPS	POLES	CIRCUIT NO.									KVA A	KVA B	KVA C	LOAD	LIGHTS	RECEPTS	MOTORS	HEAT	KITCHEN	OTHER	SPARE
O	1.0							1	2	1	20	12	RECEPTS				1.2			R		1.2				1.0	
O		1.0		WASHER (G)	12	20	3	3	4									1.2		R		1.2				1.0	
O			1.0					5	6	1	20	12	REC-WORK AREA						0.8	R		0.8				1.0	
O	1.0							7	8	1	20	12	REC-WORK AREA	1.0						R		1.0				1.0	
O		1.0		WASHER (G)	12	20	3	9	10	1	20	12	REC-WORK AREA				0.8			R		0.8				1.0	
O			1.0					11	12	1	20	12	REC-WORK AREA						0.8	R		0.8				1.0	
O	1.0							13	14	1	20	12	REC-WORK AREA	0.8						R		0.8				1.0	
O		1.0		DRYER (G)	12	20	3	15	16	1	20	12	FACP (L)			1.6				O						2.6	
O			1.0					17	18	1	20	12	REC-TELE/DATA						1.2	R		1.2				1.0	
O	1.0							19	20	1	20	12	REC-TELE/DATA	1.2						R		1.2				1.0	
O		1.0		DRYER (G)	12	20	3	21	22	1	20	12	REC-TELE/DATA			0.4				R		0.4				1.0	
O			1.0					23	24	1	20	12	REC-TELE/DATA						0.4	R		0.4				1.0	
R	1.0			REC-DINING/LOUNGE	12	20	1	25	26	1	20	12	REC-LAUNDRY	1.0						R		2.0					
R		0.6		REC-DINING/LOUNGE	12	20	1	27	28	1	20	12	REC-LAUNDRY				1.0			R		1.6					
R			0.8	REC-DINING/LOUNGE	12	20	1	29	30	1	20	12	REC-BATHROOM						0.2	R		1.0					
R	0.6			REC-DINING/LOUNGE	12	20	1	31	32	1	20	12	REC-BREAK	0.8						R		1.4					
R		0.8		REC-FRONT DESK	12	20	1	33	34	1	20	12	REC-BREAK				0.2			R		1.0					
R			0.8	REC-FRONT DESK	12	20	1	35	36	1	20	12	REC-BREAK						0.2	R		1.0					
R	1.0			REC-RETAIL (G)	12	20	1	37	38	1	20	12	REC-REF. (G)	1.0						R		2.0					
R		1.0		REC-RETAIL (G)	12	20	1	39	40	1	20	12	LINT ALARM				0.5			O		1.0				0.5	
R			1.0	REC-RETAIL (G)	12	20	1	41	42	1	20	12	REC-WASHERS					0.2		R		1.2					
R	1.0			REC-RETAIL (G)	12	20	1	43	44	1	20	12	REC-FITNESS	0.2						R		1.2					
O		1.0		AUTODOORS	12	20	1	45	46	1	20	12	REC-FITNESS				0.2			R		0.2				1.0	
R			0.8	REC-EXTERIOR	12	20	1	47	48	1	20	12	REC-MAINT.						1.6	R		2.4					
R	0.3			REC-EVAC (G)	12	20	1	49	50	1	20	12	REC-FLEX	1.2						R		1.5					
R		1.2		REC-FITNESS	12	20	1	51	52	1	20	12	REC-FLEX				1.2			R		2.4					
R			0.2	REC-FITNESS	12	20	1	53	54	1	20	12	REC-MAINT.						0.8	R		1.0					
R	0.2			REC-FITNESS	12	20	1	55	56	2	20	12	PTAC	1.7						M		0.2	1.7				
				SPARE		20	1	57	58								1.7			M			1.7				
				SPARE		20	1	59	60	1	20		SPARE														
	8.1	8.6	7.6	SUBTOTALS											10.1	8.8	6.2										
				TOTALS										0.0	18.2	17.4	13.8					30.9	3.4			15.1	

LOAD	KVA CONNECTED	D.F.	KVA NET
LIGHTING	0.0	1.25	0.0
RECEPTACLES	10.0	1.00	10.0
RECEPTACLES	20.9	0.50	10.5
MOTORS	3.4	1.00	3.4
LARGEST MOTOR	0.0	1.75	0.0
HEAT	0.0	1.00	0.0
KITCHEN	0.0	0.65	0.0
OTHER	15.1	1.00	15.1
SPARE	0.0	1.00	0.0
TOTAL	49.4		39.0

CALCULATIONS: 39.0 / 0.36 108.2 A X 1.25 = 135.2 A

NOTES:
1 (G) - INDICATES TO PROVIDE A GFCI BREAKER.
2 (L) - INDICATES TO PROVIDE A BREAKER WITH A HANDLE LOCKING DEVICE.

PANEL: **1C**

120/208 VOLT: 3 Ø 4 WIRE, TYPE: NQOD AIC: 35,000 BY: MSM
SURFACE MOUNTED, 225 AMP MAIN LUGS ONLY NEUTRAL SIZE AMPS 225 JOB # 25165
CHECKED BY: EDB DATE: 9/15/2026

LOAD	KVA A	KVA B	KVA C	REMARKS OR EQUIPMENT SERVED	WIRE SIZE	TRIP AMPS	POLES	CIRCUIT NO.									KVA A	KVA B	KVA C	LOAD	LIGHTS	RECEPTS	MOTORS	HEAT	KITCHEN	OTHER	SPARE
R	0.8			REC-GUEST MICRO. (G)	12	20*	1	1	2	2	20	12	PTAC				1.7			M		0.8	1.7				
R		0.8		REC-GUEST REF. (G)	12	20*	1	3	4									1.7		M		0.8	1.7				
R			0.2	REC-GUEST BATH	12	20*	1	5	6	2	20	12	PTAC						1.7	M		0.2	1.7				
R	1.2			LTG/REC-GUEST	12	20*	1	7	8								1.7			M		1.2	1.7				
R		0.8		REC-GUEST MICRO. (G)	12	20*	1	9	10	2	20	12	PTAC					1.7		M		0.8	1.7				
R			0.8	REC-GUEST REF. (G)	12	20*	1	11	12										1.7	M		0.8	1.7				
R	0.2			REC-GUEST BATH	12	20*	1	13	14	2	20	12	PTAC				1.7			M		0.2	1.7				
R		1.2		LTG/REC-GUEST	12	20*	1	15	16									1.7		M		1.2	1.7				
R			0.8	REC-GUEST MICRO. (G)	12	20*	1	17	18	2	20	12	PTAC						1.7	M		0.8	1.7				
R	0.8			REC-GUEST REF. (G)	12	20*	1	19	20								1.7			M		0.8	1.7				
R		0.2		REC-GUEST BATH	12	20*	1	21	22	2	20	12	PTAC					1.7		M		0.2	1.7				
R			1.2	LTG/REC-GUEST	12	20*	1	23	24										1.7	M		1.2	1.7				
R	0.8			REC-GUEST MICRO. (G)	12	20*	1	25	26	1	20	12	REC-FITNESS	0.2						R		1.0					
R		0.8		REC-GUEST REF. (G)	12	20*	1	27	28	1	20	12	REC-FITNESS				0.2			R		1.0					
R			0.2	REC-GUEST BATH	12	20*	1	29	30	1	20		SPARE									0.2					
R	1.2			LTG/REC-GUEST	12	20*	1	31	32	1	20		SPARE									1.2					
R		0.8		REC-GUEST MICRO. (G)	12	20*	1	33	34	1	20		SPARE									0.8					
R			0.8	REC-GUEST REF. (G)	12	20*	1	35	36	1	20		SPARE									0.8					
R	0.2			REC-GUEST BATH	12	20*	1	37	38	1	20		SPARE									0.2					
R		1.2		LTG/REC-GUEST	12	20*	1	39	40	1	20		SPARE									1.2					
R			0.8	REC-GUEST MICRO. (G)	12	20*	1	41	42	1	20		SPARE									0.8					
R	0.8			REC-GUEST REF. (G)	12	20*	1	43	44	1

PANEL: 2C

120/208 | VOLT: 3 Ø | 4 WIRE | TYPE: NQOD | AIC: 35,000
SURFACE MOUNTED | 400 AMP MAIN LUGS ONLY | NEUTRAL SIZE AMPS 400

BY: MSM | JOB # 25165 | CHECKED BY: EDB | DATE 9/15/2026

| LOAD | KVA A | KVA B | KVA C | REMARKS OR EQUIPMENT SERVED | WIRE SIZE | TRIP AMPS | POLES | CIRCUIT NO. | | |

PANEL: 3C

120/208 VOLT: 3 Ø 4 WIRE TYPE: NQOD AIC: 35,000
SURFACE MOUNTED, 400 AMP MAIN LUGS ONLY NEUTRAL SIZE AMPS 400

BY: MSM JOB # 25165 CHECKED BY: EDB DATE 9/15/2026

| LOAD | KVA A | KVA B | KVA C | REMARKS OR EQUIPMENT SERVED | WIRE SIZE | TRIP AMPS | POLES | CIRCUIT NO. | | |

PANEL: **4C** | BY: MSM

120/208 VOLT: 3 Ø 4 WIRE TYPE: NQOD AIC: 35,000 | JOB # 25165

SURFACE MOUNTED, 400 AMP MAIN LUGS ONLY NEUTRAL SIZE AMPS 400 | CHECKED BY: EDB DATE 9/15/2026

LOAD	KVA A	KVA B	KVA C	REMARKS OR EQUIPMENT SERVED	WIRE SIZE	TRIP AMPS	POLES	CIRCUIT NO.								REMARKS OR EQUIPMENT SERVED	KVA A	KVA B	KVA C	LOAD	LIGHTS	RECEPTS	MOTORS	HEAT	KITCHEN	OTHER	SPARE
M	1.7			PTAC	12	20	2	1			2	2	20	12	PTAC		1.7			M			3.4				
M		1.7						3			4							1.7		M			3.4				
M			1.7					5			6	2	20	12	PTAC				1.7	M			3.4				
M	1.7			PTAC	12	20	2	7			8						1.7			M			3.4				
M		1.7						9			10	2	20	12	PTAC					M			3.4				
M			1.7					11			12							1.7		M			3.4				
M	1.7			PTAC	12	20	2	13			14	2	20	12	PTAC		1.7			M			3.4				
M		1.7						15			16							1.7		M			3.4				
M			1.7	PTAC	12	20	2	17			18	2	20	12	PTAC				1.7	M			3.4				
M	1.7							19			20						1.7			M			3.4				
M		1.7		PTAC	12	20	2	21			22	2	20	12	PTAC			1.7		M			3.4				
M			1.7					23			24								1.7	M			3.4				
M	1.7			PTAC	12	20	2	25			26	2	20	12	PTAC		1.7			M			3.4				
M		1.7						27			28							1.7		M			3.4				
M			1.7	PTAC	12	20	2	29			30	2	20	12	PTAC				1.7	M			3.4				
M	1.7							31			32						1.7			M			3.4				
				SPARE		20	1	33			34	1	20		SPARE												
				SPARE		20	1	35			36	1	20		SPARE												
				SPARE		20	1	37			38						16.4										
L		0.5		LIGHTS	12	20	1	39			40	3	125	1	PANEL "4D"			17.6			0.5						
R			0.8	RECEPTS	12	20	1	41			42								14.0			0.8					
	10.2	9.0	9.3	SUBTOTALS													26.6	26.1	22.5								
																	PANEL "4D"					48.0					
																TOTALS	0.0	36.8	35.1	31.8	0.5	48.8	54.4				

LOAD	KVA CONNECTED	D.F.	KVA NET
LIGHTING	0.5	1.25	0.6
RECEPTACLES	10.0	1.00	10.0
RECEPTACLES	38.8	0.50	19.4
MOTORS	54.4	1.00	54.4
LARGEST MOTOR	0.0	1.75	0.0
HEAT	0.0	1.00	0.0
KITCHEN	0.0	0.65	0.0
OTHER	0.0	1.00	0.0
SPARE	0.0	1.00	0.0
TOTAL	103.7		84.4

CALCULATIONS: 84.4 / 0.36 234.5 A X 1.25 = 293.1 A

NOTES:
1 FOR EACH CIRCUIT SERVING A GUEST ROOM LABEL EACH WITH THE ROOM NUMBER PER NEC 404.4A
2 * - INDICATES TO PROVIDE AN ARC FAULT BREAKER.
3 (G) - INDICATES TO PROVIDE A GFCI BREAKER.
4 (L) - INDICATES TO PROVIDE A BREAKER WITH A HANDLE LOCKING DEVICE.

PANEL: **4B** | BY: MSM

120/208 VOLT: 3 Ø 4 WIRE TYPE: NQOD AIC: 35,000 | JOB # 25165

SURFACE MOUNTED, 125 AMP MAIN LUGS ONLY NEUTRAL SIZE AMPS 125 | CHECKED BY: EDB DATE 9/15/2026

LOAD	KVA A	KVA B	KVA C	REMARKS OR EQUIPMENT SERVED	WIRE SIZE	TRIP AMPS	POLES	CIRCUIT NO.								REMARKS OR EQUIPMENT SERVED	KVA A	KVA B	KVA C	LOAD	LIGHTS	RECEPTS	MOTORS	HEAT	KITCHEN	OTHER	SPARE
R	0.8			REC-GUEST MICRO. (G)	12	20*	1	1			2	1	20*	12	REC-GUEST MICRO. (G)	0.8			R		1.6					
R		0.8		REC-GUEST REF. (G)	12	20*	1	3			4	1	20*	12	REC-GUEST REF. (G)		0.8		R		1.6					
R			0.2	REC-GUEST BATH	12	20*	1	5			6	1	20*	12	REC-GUEST BATH			0.2	R		0.4					
R	1.2			LTG/REC-GUEST	12	20*	1	7			8	1	20*	12	LTG/REC-GUEST	1.2			R		2.4					
R		0.8		REC-GUEST MICRO. (G)	12	20*	1	9			10	1	20*	12	REC-GUEST MICRO. (G)		0.8		R		1.6					
R			0.8	REC-GUEST REF. (G)	12	20*	1	11			12	1	20*	12	REC-GUEST REF. (G)			0.8	R		1.6					
R	0.2			REC-GUEST BATH	12	20*	1	13			14	1	20*	12	REC-GUEST BATH	0.2			R		0.4					
R		1.2		LTG/REC-GUEST	12	20*	1	15			16	1	20*	12	LTG/REC-GUEST		1.2		R		2.4					
R			0.8	REC-GUEST MICRO. (G)	12	20*	1	17			18	1	20*	12	REC-GUEST MICRO. (G)			0.8	R		1.6					
R	0.8			REC-GUEST REF. (G)	12	20*	1	19			20	1	20*	12	REC-GUEST REF. (G)	0.8			R		1.6					
R		0.2		REC-GUEST BATH	12	20*	1	21			22	1	20*	12	REC-GUEST BATH		0.2		R		0.4					
R			1.2	LTG/REC-GUEST	12	20*	1	23			24	1	20*	12	LTG/REC-GUEST			1.2	R		2.4					
R	0.8			REC-GUEST MICRO. (G)	12	20*	1	25			26	1	20*	12	REC-GUEST MICRO. (G)	0.8			R		1.6					
R		0.8		REC-GUEST REF. (G)	12	20*	1	27			28	1	20*	12	REC-GUEST REF. (G)		0.8		R		1.6					
R			0.2	REC-GUEST BATH	12	20*	1	29			30	1	20*	12	REC-GUEST BATH			0.2	R		0.4					
R	1.2			LTG/REC-GUEST	12	20*	1	31			32	1	20*	12	LTG/REC-GUEST	1.2			R		2.4					
R		0.8		REC-GUEST MICRO. (G)	12	20*	1	33			34	1	20*	12	REC-GUEST MICRO. (G)		0.8		R		1.6					
R			0.8	REC-GUEST REF. (G)	12	20*	1	35			36	1	20*	12	REC-GUEST REF. (G)			0.8	R		1.6					
R	0.2			REC-GUEST BATH	12	20*	1	37			38	1	20*	12	REC-GUEST BATH	0.2			R		0.4					
R		1.2		LTG/REC-GUEST	12	20*	1	39			40	1	20*	12	LTG/REC-GUEST		1.2		R		2.4					
R			0.8	REC-GUEST MICRO. (G)	12	20*	1	41			42	1	20*	12	REC-GUEST MICRO. (G)			0.8	R		1.6					
R	0.8			REC-GUEST REF. (G)	12	20*	1	43			44	1	20*	12	REC-GUEST REF. (G)	0.8			R		1.6					
R		0.2		REC-GUEST BATH	12	20*	1	45			46	1	20*	12	REC-GUEST BATH		0.2		R		0.4					
R			1.2	LTG/REC-GUEST	12	20*	1	47			48	1	20*	12	LTG/REC-GUEST			1.2	R		2.4					
R	0.8			REC-GUEST MICRO. (G)	12	20*	1	49			50	1	20		SPARE						0.8					
R		0.8		REC-GUEST REF. (G)	12	20*	1	51			52	1	20		SPARE						0.8					
R			0.2	REC-GUEST BATH	12	20*	1	53			54	1	20		SPARE						0.2					
R	1.2			LTG/REC-GUEST	12	20*	1	55			56	1	20		SPARE						1.2					
R		0.8		REC-GUEST MICRO. (G)	12	20*	1	57			58	1	20		SPARE						0.8					
R			0.8	REC-GUEST REF. (G)	12	20*	1	59			60	1	20		SPARE						0.8					
R	0.2			REC-GUEST BATH	12	20*	1	61			62	1	20		SPARE						0.2					
R		1.2		LTG/REC-GUEST	12	20*	1	63			64	1	20		SPARE						1.2					
R			0.8	REC-GUEST MICRO. (G)	12	20*	1	65			66	1	20		SPARE						0.8					
R	0.8			REC-GUEST REF. (G)	12	20*	1	67			68	1	20		SPARE						0.8					
R		0.2		REC-GUEST BATH	12	20*	1	69			70	1	20		SPARE						0.2					
R			1.2	LTG/REC-GUEST	12	20*	1	71			72	1	20		SPARE						1.2					
				SPARE		20	1	73			74	1	20		SPARE												
				SPARE		20	1	75			76	1	20		SPARE												
				SPARE		20	1	77			78	1	20		SPARE												
				SPARE		20	1	79			80	1	20		SPARE												
				SPARE		20	1	81			82	1	20		SPARE												
				SPARE		20	1	83			84	1	20		SPARE												
	9.0	9.0	9.0	SUBTOTALS												6.0	6.0	6.0									
																TOTALS	0.0	15.0	15.0	15.0		45.0					

LOAD	KVA CONNECTED	D.F.	KVA NET
LIGHTING	0.0	1.25	0.0
RECEPTACLES	10.0	1.00	10.0
RECEPTACLES	35.0	0.50	17.5
MOTORS	0.0	1.00	0.0
LARGEST MOTOR	0.0	1.75	0.0
HEAT	0.0	1.00	0.0
KITCHEN	0.0	0.65	0.0
OTHER	0.0	1.00	0.0
SPARE	0.0	1.00	0.0
TOTAL	45.0		27.5

CALCULATIONS: 27.5 / 0.36 76.4 A X 1.25 = 95.5 A

NOTES:
1 FOR EACH CIRCUIT SERVING A GUEST ROOM LABEL EACH WITH THE ROOM NUMBER PER NEC 404.4A
2 * - INDICATES TO PROVIDE AN ARC FAULT BREAKER.
3 (G) - INDICATES TO PROVIDE A GFCI BREAKER.
4 (L) - INDICATES TO PROVIDE A BREAKER WITH A HANDLE LOCKING DEVICE.

PANEL: **4A** | BY: MSM

120/208 VOLT: 3 Ø 4 WIRE TYPE: NQOD AIC: 35,000 | JOB # 25165

SURFACE MOUNTED, 400 AMP MAIN LUGS ONLY NEUTRAL SIZE AMPS 400 | CHECKED BY: EDB DATE 9/15/2026

LOAD	KVA A	KVA B	KVA C	REMARKS OR EQUIPMENT SERVED	WIRE SIZE	TRIP AMPS	POLES	CIRCUIT NO.								REMARKS OR EQUIPMENT SERVED	KVA A	KVA B	KVA C	LOAD	LIGHTS	RECEPTS	MOTORS	HEAT	KITCHEN	OTHER	SPARE
L	0.6			LIGHTS	12	20	1	1			2	2	20	12	PTAC		1.7			M	0.6		1.7				
R		1.5		REC-ICE MACHINE (G)	12	20	1	3			4							1.7		M		1.5	1.7				
O			1.2	REC-TELEDATA	12	20	1	5			6	2	20	12	PTAC				1.7	M			1.7			1.2	
O	1.2			REC-TELEDATA	12	20	1	7			8						1.7			M			1.7			1.2	
O		1.0		FIRE ALARM EXT. (L)	12	20	1	9			10	2	20	12	PTAC				1.7	M			1.7			1.0	
R			1.0	RECEPTS	12	20	1	11			12							1.7		M		1.0	1.7				
				SPARE		20	1	13			14	2	20	12	PTAC		1.7			M			1.7				
O		0.8		FIRE SMOKE DAMP.	12	20	1	15			16							1.7		M			1.7			0.8	
M			1.7	PTAC	12	20	2	17			18	2	20	12	PTAC				1.7	M			3.4				
M	1.7							19			20						1.7			M			3.4				
M		1.7		PTAC	12	20	2	21			22	2	20	12	PTAC			1.7		M			3.4				
M			1.7					23			24								1.7	M			3.4				
M	1.7			PTAC	12	20	2	25			26	2	20	12	PTAC		1.7			M			3.4				
M		1.7						27			28							1.7		M			3.4				
M			1.7	PTAC	12	20	2	29			30	2	20	12	PTAC				1.7	M			3.4				
M	1.7							31			32						1.7			M			3.4				
				SPARE		20	1	33			34	2	20	12	PTAC				1.7	M			1.7				
				SPARE		20	1	35			36							1.7		M			1.7				
				SPARE		20	1	37			38	2	20	12	PTAC		1.7			M			1.7				
				SPARE		20	1	39			40							1.7		M			1.7				
M			0.4	EF-9	12	20	1	41			42	2	20	12	PTAC				1.7	M			2.1				
M	0.4			EF-10	12	20	1	43			44						1.7			M			2.1				
M		0.4		EF-10	12	20	1	45			46	1	20	12	REC-ROOF			0.4		R		0.4	0.4				
M			0.4	EF-11	12	20	1	47			48	1	20		SPARE								0.4				
M	0.4			EF-11	12	20	1	49			50	1	20		SPARE								0.4				
M		0.4		EF-11	12	20	1	51			52	1	20		SPARE								0.4				
				SPARE		20	1	53			54	1	20		SPARE												
				SPARE		20	1	55			56	1	20		SPARE		15.0										
				SPARE		20	1	57			58	3	125	1	PANEL "4B"			15.0									
				SPARE		20	1	59			60								15.0								
	7.7	7.5	8.1	SUBTOTALS													28.6	27.3	26.9								
																	PANEL "4B"					45.0					
																TOTALS	0.0	36.3	34.8	35.0		0.6	47.9	53.4			4.2	

LOAD	KVA CONNECTED	D.F.	KVA NET
LIGHTING	0.6	1.25	0.8
RECEPTACLES	10.0	1.00	10.0
RECEPTACLES	37.9	0.50	19.0
MOTORS	53.4	1.00	53.4
LARGEST MOTOR	0.0	1.75	0.0
HEAT	0.0	1.00	0.0
KITCHEN	0.0	0.65	0.0
OTHER	4.2	1.00	4.2
SPARE	0.0	1.00	0.0
TOTAL	106.1		87.3

CALCULATIONS: 87.3 / 0.36 242.5 A X 1.25 = 303.1 A

NOTES:
1 FOR EACH CIRCUIT SERVING A GUEST ROOM LABEL EACH WITH THE ROOM NUMBER PER NEC 404.4A
2 * - INDICATES TO PROVIDE AN ARC FAULT BREAKER.
3 (G) - INDICATES TO PROVIDE A GFCI BREAKER.
4 (L) - INDICATES TO PROVIDE A BREAKER WITH A HANDLE LOCKING DEVICE.

PANEL: **4D** | BY: MSM

120/208 VOLT: 3 Ø 4 WIRE TYPE: NQOD AIC: 35,000 | JOB # 25165

SURFACE MOUNTED, 125 AMP MAIN LUGS ONLY NEUTRAL SIZE AMPS 125 | CHECKED BY: EDB DATE 9/15/2026

LOAD	KVA A	KVA B	KVA C	REMARKS OR EQUIPMENT SERVED	WIRE SIZE	TRIP AMPS	POLES	CIRCUIT NO.								REMARKS OR EQUIPMENT SERVED	KVA A	KVA B	KVA C	LOAD	LIGHTS	RECEPTS	MOTORS	HEAT	KITCHEN	OTHER	SPARE
R	0.8			REC-GUEST MICRO. (G)	12	20*	1	1			2	1	20*	12	REC-GUEST MICRO. (G)	0.8			R		1.6					
R		0.8		REC-GUEST REF. (G)	12	20*	1	3			4	1	20*	12	REC-GUEST REF. (G)		0.8		R		1.6					
R			0.2	REC-GUEST BATH	12	20*	1	5			6	1	20*	12	REC-GUEST BATH			0.2	R		0.4					
R	1.2			LTG/REC-GUEST	12	20*	1	7			8	1	20*	12	LTG/REC-GUEST	1.2			R		2.4					
R		0.8		REC-GUEST MICRO. (G)	12	20*	1	9			10	1	20*	12	REC-GUEST MICRO. (G)		0.8		R		1.6					
R			0.8	REC-GUEST REF. (G)	12	20*	1	11			12	1	20*	12	REC-GUEST REF. (G)			0.8	R		1.6					
R	0.2			REC-GUEST BATH	12	20*	1	13			14	1	20*	12	REC-GUEST BATH	0.2			R		0.4					
R		1.2		LTG/REC-GUEST	12	20*	1	15			16	1	20*	12	LTG/REC-GUEST		1.2		R		2.4					
R			0.8	REC-GUEST MICRO. (G)	12	20*	1	17			18	1	20*	12	REC-GUEST MICRO. (G)			0.8	R		1.6					
R	0.8			REC-GUEST REF. (G)	12	20*	1	19			20	1	20*	12	REC-GUEST REF. (G)	0.8			R		1.6					
R		0.2		REC-GUEST BATH	12	20*	1	21			22	1	20*	12	REC-GUEST BATH		0.2		R		0.4					
R			1.2	LTG/REC-GUEST	12	20*	1	23			24	1	20*	12	LTG/REC-GUEST			1.2	R		2.4					
R	0.8			REC-GUEST MICRO. (G)	12	20*	1	25			26	1	20*	12	REC-GUEST MICRO. (G)	0.8			R		1.6					
R		0.8		REC-GUEST REF. (G)	12	20*	1	27			28	1	20*	12	REC-GUEST REF. (G)		0.8		R		1.6					
R			0.2	REC-GUEST BATH	12	20*	1	29			30	1	20*	12	REC-GUEST BATH			0.2	R		0.4					
R	1.2			LTG/REC-GUEST	12	20*	1	31			32	1	20*	12	LTG/REC-GUEST	1.2			R		2.4					
R		0.8		REC-GUEST MICRO. (G)	12	20*	1	33			34	1	20*	12	REC-GUEST MICRO. (G)		0.8		R		1.6					
R			0.8	REC-GUEST REF. (G)	12	20*	1	35			36	1	20*	12	REC-GUEST REF. (G)			0.8	R		1.6					
R	0.2			REC-GUEST BATH	12	20*	1	37			38	1	20*	12	REC-GUEST BATH	0.2			R		0.4					
R		1.2		LTG/REC-GUEST	12	20*	1	39			40	1	20*	12	LTG/REC-GUEST		1.2		R		2.4					
R			0.8	REC-GUEST MICRO. (G)	12	20*	1	41			42	1	20*	12	REC-GUEST MICRO. (G)			0.8	R		1.6					
R	0.8			REC-GUEST REF. (G)	12	20*	1	43			44	1	20*	12	REC-GUEST REF. (G)	0.8			R		1.6					
R		0.2		REC-GUEST BATH	12	20*	1	45			46	1	20*	12	REC-GUEST BATH		0.2		R		0.4					
R			1.2	LTG/REC-GUEST	12	20*	1	47			48	1	20*	12	LTG/REC-GUEST			1.2	R		2.4					
R	0.8			REC-GUEST MICRO. (G)	12	20*	1	49			50	1	20*	12	REC-GUEST MICRO. (G)	0.8			R		1.6					
R		0.8		REC-GUEST REF. (G)	12	20*	1	51			52	1	20*	12	REC-GUEST REF. (G)		0.8		R		1.6					
R			0.2	REC-GUEST BATH	12	20*	1	53			54	1	20*	12	REC-GUEST BATH			0.2	R		0.4					
R	1.2			LTG/REC-GUEST	12	20*	1	55			56	1	20*	12	LTG/REC-GUEST	1.2			R		2.4					
R		0.8		REC-GUEST MICRO. (G)	12	20*	1	57			58	1	20*	12	REC-GUEST MICRO. (G)		0.8		R		1.6					
R			0.8	REC-GUEST REF. (G)	12	20*	1	59			60	1	20*	12	REC-GUEST REF. (G)			0.8	R		1.6					
R	0.2			REC-GUEST BATH	12	20*	1	61			62	1	20*	12	REC-GUEST BATH	0.2			R		0.4					
R		1.2		LTG/REC-GUEST	12	20*	1	63			64	1	20*	12	LTG/REC-GUEST		1.2		R		2.4					
				SPARE		20	1	65			66	1	20		SPARE												
				SPARE		20	1	67			68	1	20		SPARE												
				SPARE		20	1	69			70	1	20		SPARE												
				SPARE		20	1	71			72	1	20		SPARE												
				SPARE		20	1	73			74	1	20		SPARE												
				SPARE		20	1	75			76	1	20		SPARE												
				SPARE		20	1	77			78	1	20		SPARE												
				SPARE		20	1	79			80	1	20		SPARE												
				SPARE		20	1	81			82	1	20		SPARE												
				SPARE		20	1	83			84	1	20		SPARE												
	8.2	8.8	7.0	SUBTOTALS													8.2	8.8	7.0								
																TOTALS	0.0	16.4	17.6	14.0		48.0					

LOAD	KVA CONNECTED	D.F.	KVA NET
LIGHTING	0.0	1.25	0.0
RECEPTACLES	10.0	1.00	10.0
RECEPTACLES	38.0	0.50	19.0
MOTORS	0.0	1.00	0.0
LARGEST MOTOR	0.0	1.75	0.0
HEAT	0.0	1.00	0.0
KITCHEN	0.0	0.65	0.0
OTHER	0.0	1.00	0.0
SPARE	0.0	1.00	0.0
TOTAL	48.0		29.0

CALCULATIONS: 29.0 / 0.36 80.6 A X 1.25 = 100.7 A

NOTES:
1 FOR EACH CIRCUIT SERVING A GUEST ROOM LABEL EACH WITH THE ROOM NUMBER PER NEC 404.4A
2 * - INDICATES TO PROVIDE AN ARC FAULT BREAKER.
3 (G) - INDICATES TO PROVIDE A GFCI BREAKER.
4 (L) - INDICATES TO PROVIDE A BREAKER WITH A HANDLE LOCKING DEVICE.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-5943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20607 ENGINEER E. DEAN BELK
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: MSM
checked by: EDB
project no: 25-104

PANEL SCHEDULES

E504

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FIRE ALARM SPECIFICATIONS

PART 1: FIRE ALARM SYSTEM

SYSTEM SHALL BE A CENTRALIZED, ANALOG, ADDRESSABLE, FULLY ELECTRONICALLY SUPERVISED (INCLUDING AUXILIARY SYSTEMS INTERCONNECT WIRING) SYSTEM LISTED BY UL IN COMPLIANCE WITH ALL APPLICABLE NFPA 72 AND OTHER STANDARDS AS WELL AS THE AMERICAN'S WITH DISABILITIES ACT (ADA). ALL FINAL CONNECTIONS, TESTING AND ADJUSTMENTS SHALL BE PERFORMED BY OR UNDER DIRECT SUPERVISION OF AN AUTHORIZED FACTORY REPRESENTATIVE. SYSTEM SHALL BE SIMPLEX, NOTIFIER, EDWARDS OR EQUAL, AS ACCEPTED BY THE ENGINEER. SYSTEM SHALL HAVE A 24HR MINIMUM BATTERY BACKUP.

A. INITIATING DEVICE ACTIVATION SHALL CAUSE OPERATION OF THE PROPER ZONE ALARM CIRCUIT IN THE CONTROL PANEL, AND OPERATE ALL AUDIBLE INDICATING ALARMS. ALL AIR HANDLING UNITS SHALL BE STOPPED UPON ANY ALARM INPUT. EACH AIR HANDLER UNIT SHALL BE PROVIDED WITH A SYSTEM CONTROLLED RELAY TO EFFECT SHUTDOWN. ALL ALARM DEVICES AND LAMPS SHALL CONTINUE TO OPERATE UNTIL THE INITIATING DEVICE IS RESET. SUBSEQUENT ALARMS SHALL RESOUND THE SYSTEM. AN AUDIBLE AND VISUAL SIGNAL SHALL INDICATE SYSTEM TROUBLE. THE CONTROL PANEL SHALL PROVIDE FOR ACTIVATING A UL LISTED CENTRAL STATION SIGNAL.

B. MANUAL STATIONS SHALL BE NON-CODED, WITH PULL LEVER AND GLASS ROD, SEMI-FLUSH MOUNTED. COMBINATION LIGHT AND HORN SIGNALS SHALL BE FLUSH MOUNTED. WIRING SHALL BE IN CONDUIT AS PREVIOUSLY SPECIFIED, #14 AWG MINIMUM, THHN, THE USE OF PLENUM RATED CABLE IS NOT ALLOWED. ALL JUNCTION BOXES USED FOR THE FIRE ALARM SYSTEM SHALL BE PAINTED RED.

C. SPRINKLER SYSTEM TAMPER SWITCHES SHALL BE CONNECTED INTO A COMMON ZONE WHICH SHALL DISTINGUISH BETWEEN A CIRCUIT FAULT AND A CLOSED VALVE. A CLOSED VALVE SHALL BE INDICATED AS AN ALARM CONDITION, BUT WILL NOT ACTIVATE THE AUDIBLE-VISUAL DEVICES OR CAUSE A SIGNAL TO BE TRANSMITTED TO THE CENTRAL STATION.

D. WHERE REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION, THE FIRE ALARM SUPPLIER SHALL A SEPARATE SET OF PLANS FOR A SEPARATE FIRE ALARM PERMIT. THE ENGINEER IS NOT RESPONSIBLE FOR PRODUCING THESE DRAWINGS OR FOR SUBMITTING FOR THIS PERMIT, IT IS THE SOLE RESPONSIBILITY OF THE FIRE ALARM SUPPLIER.

E. ALL STROBES LOCATED WITHIN THE SAME AREA SHALL BE SYNCHRONIZED.

PART 2: FIRE STOPPING

A. ALL PENETRATIONS OF NON-RATED PENETRATIONS SHALL BE SEALED WITH RATED MATERIALS MEETING ASTM E-814.

B. PROVIDE FIRE STOPPING DEVICE(S) OR SYSTEM(S) WHICH HAVE BEEN TESTED AND LISTED AS COMPLYING WITH ASTM E-814. INSTALL THE DEVICE(S) OR SYSTEM(S) IN ACCORDANCE WITH THE CONDITIONS OF THEIR LISTING. PROVIDE THE APPROPRIATE DEVICE(S) OR SYSTEM(S) WITH AN "F" RATING EQUAL TO THE RATING OF THE ASSEMBLY BEING PENETRATED.

C. DEVICE(S) AND/OR SYSTEM(S) SHALL BE BY HILTI, 3M OR EQUIVALENT.

D. WHERE OPENINGS FOR INSTALLATION OF ELECTRICAL BOXES EXCEEDS 16 SQUARE INCHES IN RATED WALLS OR PARTITIONS, THE OPENING SHALL BE PROTECTED AS REQUIRED BY THE APPROPRIATE WALL LISTING TYPE.

SYMBOL SCHEDULE

FACP	FIRE ALARM CONTROL PANEL
RA	FIRE ALARM REMOTE ANNUNCIATOR PANEL
EXT	FIRE ALARM EXTENDER PANEL
F	FIRE ALARM MANUAL STATION, MOUNT 48"A.F.F.
F	FIRE ALARM HORN-STROBE COMBINATION, 15CD U.O.N, MOUNT 80" TO BOTTOM.
F C	FIRE ALARM HORN-STROBE COMBINATION, 15CD U.O.N, CEILING MOUNTED.
S	FIRE ALARM STROBE, 15CD, MOUNT 80" TO BOTTOM.
H	FIRE ALARM HORN, ALIGN WITH BOTTOM OF STROBES.
CO	FIRE ALARM SYSTEM CARBON MONOXIDE DETECTOR.
CO	FIRE ALARM SYSTEM SMOKE/CARBON MONOXIDE DETECTOR.
S	FIRE ALARM SMOKE DETECTOR, CEILING MOUNTED.
S D	FIRE ALARM DUCT SMOKE DETECTOR.
H	FIRE ALARM HEAT DETECTOR, CEILING MOUNTED.
A	HEARING IMPAIRED AUDIO/VISUAL DEVICE.
FS	FIRE ALARM FLOW SWITCH ON SPRINKLER SYSTEM.
TS	FIRE ALARM TAMPER SWITCH ON SPRINKLER SYSTEM.
DH	FIRE ALARM DOOR HOLD OPEN DEVICE.
EXT	FIRE ALARM EXTENDER PANEL.
	FIRE ALARM DUCT DETECTOR REMOTE INDICATING LIGHT.
PIV	CONNECTION TO SPRINKLER POST INDICATOR VALVE.
D FS	CONNECTION TO FIRE/SMOKE DAMPER. PROVIDE 120V CONNECTION, RIB RELAY, AND FIRE ALARM CONNECTION AS REQUIRED.
SS	FIRE ALARM SYSTEM GUESTROOM SMOKE DETECTOR. MOUNT 8" BELOW FINISHED CEILING (MAX). MONITOR WITH FIRE ALARM SYSTEM TO GIVE TROUBLE SIGNAL. SYSTEM SMOKE DETECTOR WITH SOUNDER BASE (520Hz TONE).
SS CO	FIRE ALARM SYSTEM GUESTROOM SMOKE/CO DETECTOR. MOUNT 8" BELOW FINISHED CEILING (MAX). MONITOR WITH FIRE ALARM SYSTEM TO GIVE TROUBLE SIGNAL. SYSTEM SMOKE DETECTOR WITH SOUNDER BASE (520Hz TONE).

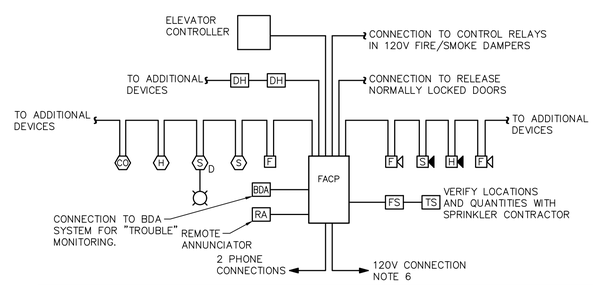
GUESTROOM GENERAL NOTES:

1. AT ALL ADA AND HEARING IMPAIRED ROOMS:
   A. 177CD FIRE ALARM SYSTEM HORN/STROBE IN ROOM.
   B. FIRE ALARM SYSTEM STROBE IN BATH ROOM.
   C. SYSTEM SMOKE DETECTOR WITH BATTERY BACK-UP, 177CD STROBE LIGHT AND SOUNDER BASE. (520Hz TONE)
2. ALL NON-ADA GUESTROOMS:
   A. SYSTEM SMOKE DETECTOR WITH BATTERY BACK-UP AND SOUNDER BASE. (520Hz TONE)
3. ALL GUESTROOMS SHALL HAVE 75DBA MINIMUM AT PILLOW.

FIRE ALARM SEQUENCE

SEQUENCE OF OPERATIONS / ALARM SOURCE AND TYPE	BUILDING SYSTEM OUTPUTS												CENTRAL COMM.				
	ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE TROUBLE SIGNAL	ACTIVATE GENERAL EXACTUATION SIGNAL	DISPLAY CHANGE OF STATUS	ACTIVATE EXTERNAL HORN STROBE	TRANSMIT F.A. SIGNAL TO CENTRAL COMMUNICATOR	TRANSMIT SUPERVISORY SIGNAL TO CENTRAL COMM.	TRANSMIT TROUBLE SIGNAL TO CENTRAL COMM.	SHOW CHANGE OF STATUS ON ANNUNCIATOR	SHOW CHANGE OF STATUS ON CENTRAL PANEL	TRANSMIT FIRE ALARM SIGNAL TO CENTRAL STATION	TRANSMIT SUPERVISORY SIGNAL TO CENTRAL STATION	TRANSMIT TROUBLE SIGNAL TO CENTRAL STATION
1. MANUAL PULL STATION ALARM	■	■					■	■	■	■			■	■	■		
2. BUILDING SMOKE DETECTOR	■	■					■	■	■	■			■	■	■		
3. DUCT DETECTOR ALARM			■	■				■			■		■	■		■	
4. SMOKE DETECTOR DIRTY/MALFUNCTION – ALL					■	■		■				■	■	■			■
5. SPRINKLER WATERFLOW	■	■					■	■	■	■			■	■	■		
6. SPRINKLER TAMPER			■	■				■			■		■	■		■	
7. FIRE ALARM AC POWER FAILURE					■	■		■				■	■	■			■
8. FIRE ALARM SYSTEM LOW BATTERY					■	■		■				■	■	■			■
9. OPEN CIRCUIT					■	■		■				■	■	■			■
10. GROUND FAULT					■	■		■				■	■	■			■
11. NOTIFICATION APPLIANCE CIRCUIT SHORT					■	■		■				■	■	■			■
12. SYSTEM RESET	(SEE NOTES 1 AND 2 BELOW FOR ACTIONS)																

NOTES:
1. 'SYSTEM RESET' SHALL CLEAR ALL DETECTOR AND MANUAL ALARM SIGNALS, STOP AND RESET THE PRE-DISCHARGE COUNTDOWN, AND STOP TRANSMISSION OF ALL ALARM SIGNALS TO THE MAIN PANEL.
2. SYSTEM SHALL BE PROGRAMMED SUCH THAT THE SYSTEM CAN BE RESET WHILE THE MANUAL ABORT BUTTON IS ACTIVATED.
3. SYSTEM SHALL HAVE A 3 BEAT TEMPORAL SOUND PATTERN.



FIRE ALARM RISER NOTES:
1. FACP SHALL HAVE A MINIMUM 24HR. BATTERY BACKUP.
2. FACP SHALL BE CONNECTED TO A UL APPROVED CENTRAL STATION.
3. ZONE PER NFPA 72 AND MANUFACTURER'S RECOMMENDATIONS WITH NO ONE ZONE EXCEEDING 15,000 S.F. PER FLOOR.
4. SEE PLANS FOR EXACT DEVICE QUANTITY AND LOCATIONS.
5. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
6. PROVIDE CONNECTIONS FOR FIRE ALARM EXTENDER PANELS AS REQUIRED BY FIRE ALARM MANUFACTURER/INSTALLER.

1 / FA001 FIRE ALARM RISER DIAGRAM
NOT TO SCALE

FIRE ALARM DRAWING NOTE:
FIRE ALARM DRAWINGS ARE PROVIDED AS A PRESCRIPTIVE DESIGN FOR BIDDING PURPOSES. SIGNED AND SEALED SHOP DRAWINGS SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR.

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20607 ENGINEER E. DEAN BELK
04-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

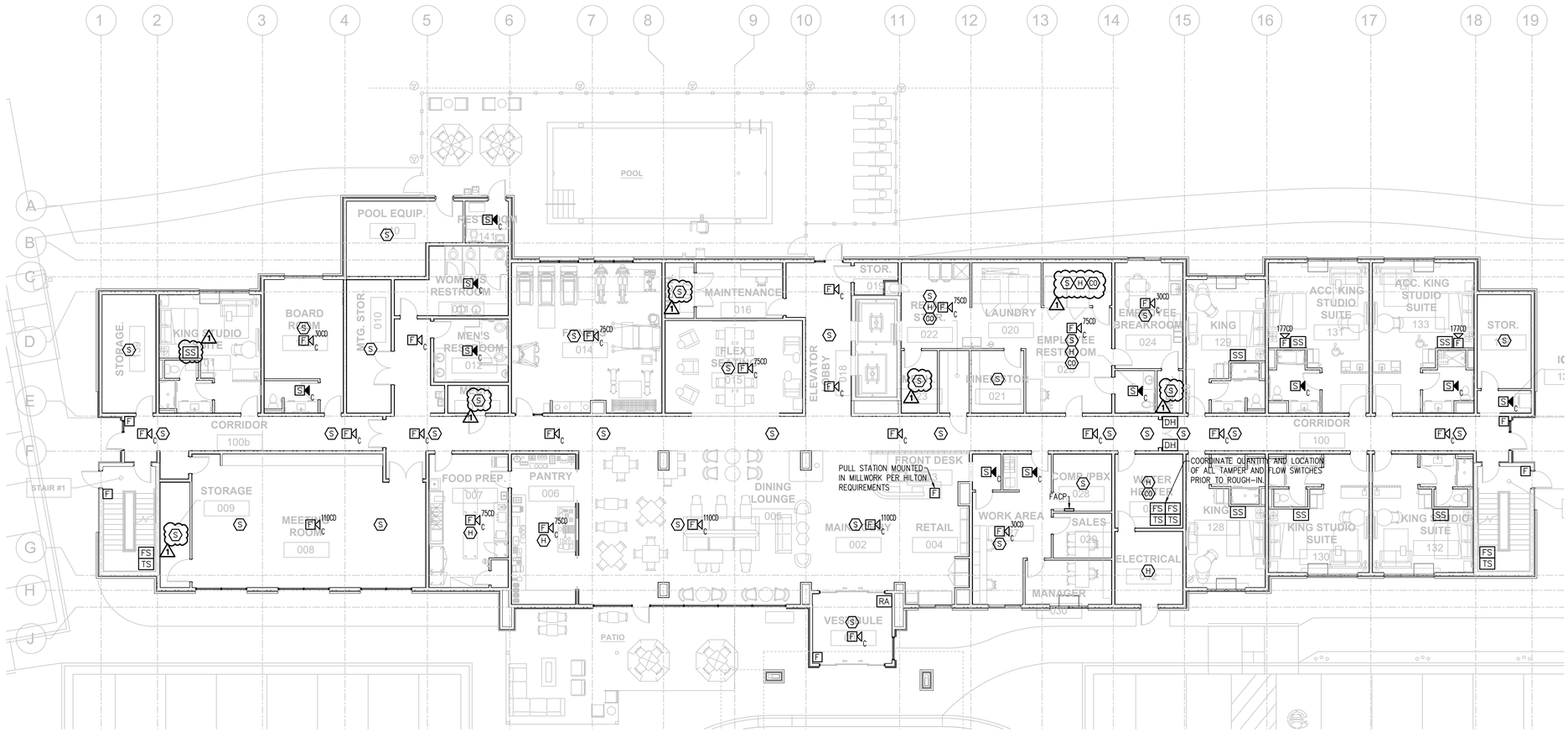
Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: MSM
checked by: EDB
project no: 25-104

FIRE ALARM SPECIFICATIONS, DETAILS, AND SYMBOLS

FA001

2 FA101 SECOND FLOOR PLAN - FIRE ALARM
SCALE: 3/32" = 1'-0"



1 FA101 FIRST FLOOR PLAN - FIRE ALARM
SCALE: 3/32" = 1'-0"

ADA ROOM

HEARING IMPAIRED ROOM

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20807 ENGINEER E. DEAN BELK
09-11-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

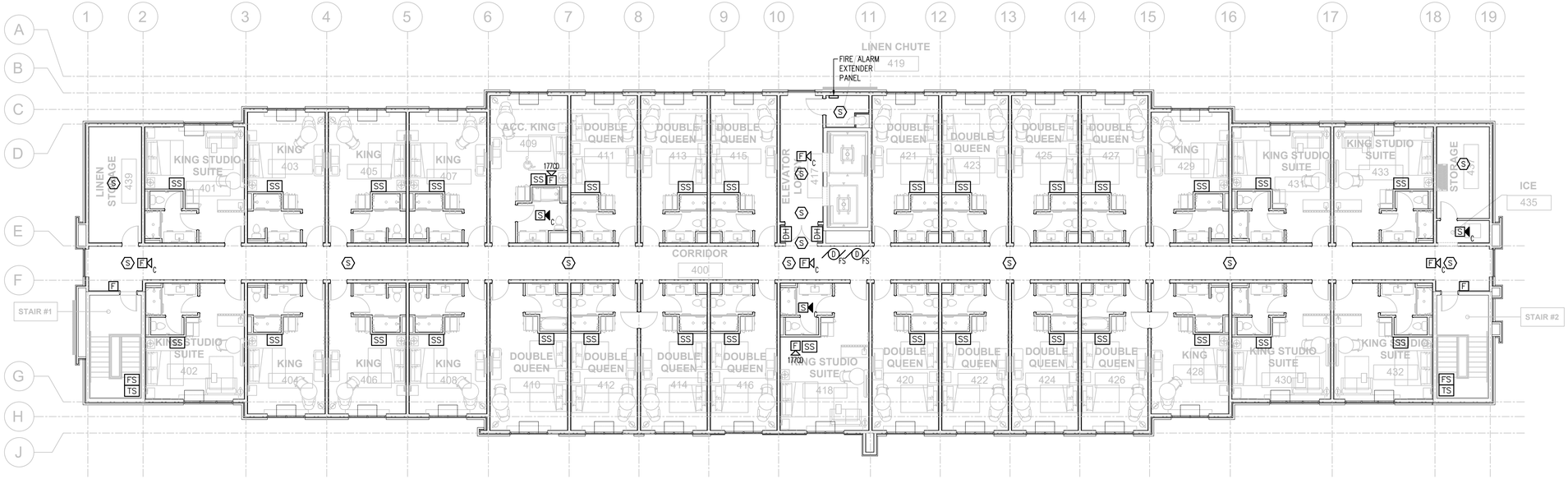
drawn by: MSM

checked by: EDB

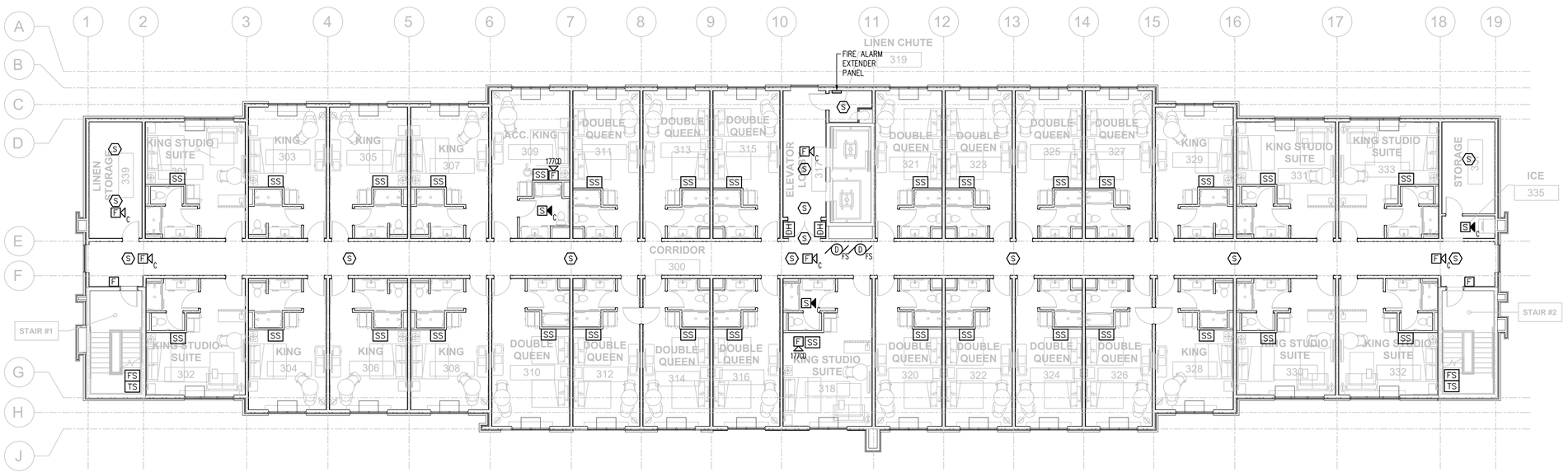
project no: 25-104

FIRST AND SECOND FLOOR FIRE ALARM PLANS

FA101



2 FA102 FOURTH FLOOR PLAN - FIRE ALARM
SCALE: 3/32" = 1'-0"



1 FA102 THIRD FLOOR PLAN - FIRE ALARM
SCALE: 3/32" = 1'-0"

ADA ROOM

HEARING IMPAIRED ROOM

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20807 ENGINEER E. DEAN BELK
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: MSM

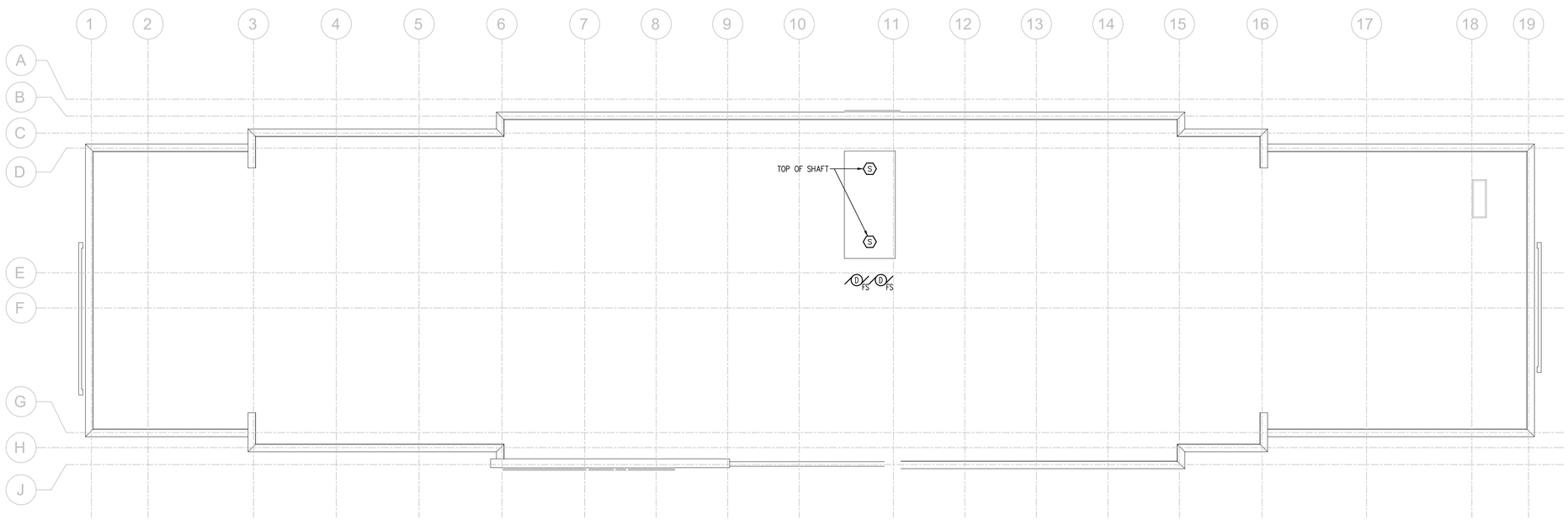
checked by: EDB

project no: 25-104

THIRD AND FOURTH FLOOR FIRE ALARM PLANS

FA102

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.



1 FA103 ROOF PLAN - FIRE ALARM
SCALE: 3/32" = 1'-0"

ADA ROOM

HEARING IMPAIRED ROOM

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED
CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL SEAL 20807 ENGINEER E. DEAN BELK
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by:
MSM

checked by:
EDB

project no:
25-104

ROOF FIRE ALARM PLAN

FA103

FIRE HYDRANT FLOW TEST RESULTS

TEST LOCATION
Address: 1462 Olde Waterford Way, Leland
Proposed Tap Location:
Requested Flow Location: nearest hydrant to the proposed point of connection

APPLICANT
Name: VSC Fire & Security, Inc.
Address: 263 Hein Drive, Garner, NC 27529
Contact Person: Ben Cossel Phone: 919.645.5880 Fax:

TESTING AGENT
Firm Name: Andrew King Engineering, PLLC
Address: 5917 Shedd Drive, Raleigh, North Carolina 27603
Phone: (919) 906-5236 Email: Drew@AndrewKingEngineering.com

SYSTEM ANALYSIS
Main Size: 8" Elevation of Test Location: 27' +/-
Nearest Elevated Tank: Atkinson Trl Time of Test: 2:00 PM
Tank Elevation: 211'(187') Pressure Zone: 214'(190')

Theoretical Pressure: 79.7 psi
Calculated by: Drew King Witnessed by: Matt Morgan

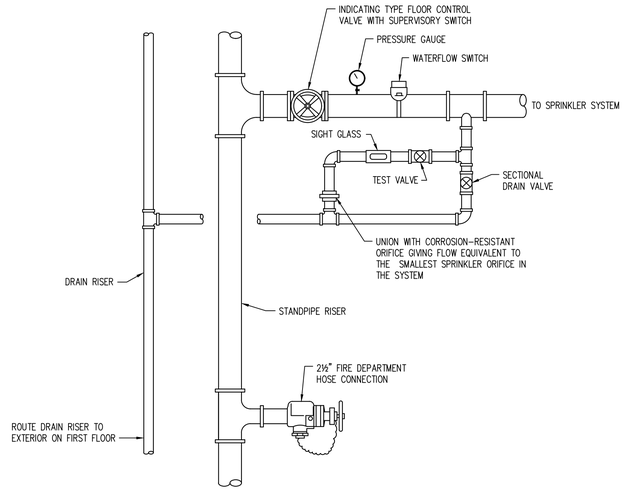
RESULTS

Static Pressure: 78 psi 3.05" Pitotless Nozzle Reading: 22 psi
Residual Pressure: 64 psi Volume: 1,764 gpm
Disclaimer: These results are an instantaneous snap-shot of the system. It is recommended that the designer allow adequate safety to include low tank level.
Comments: Flowed (1) BigBoy Hose Monster. C = 1.35

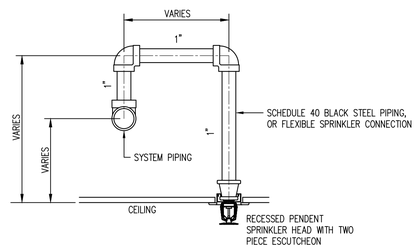
Completed by: Drew King

Date: 10/10/2025

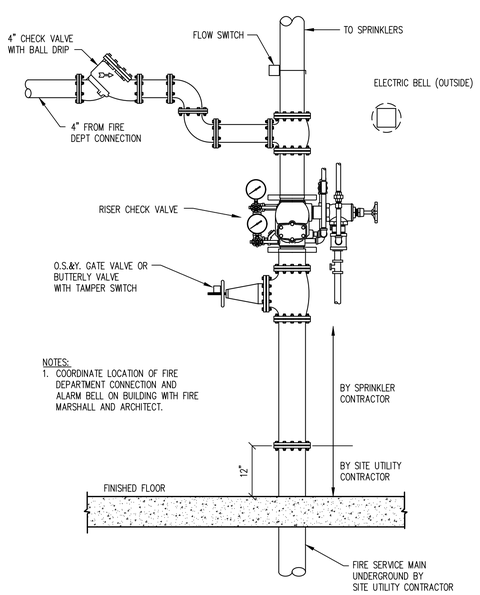
6 FP010 FLOW TEST INFORMATION
NOT TO SCALE



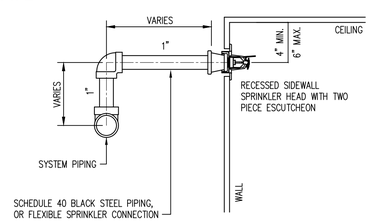
5 FP010 FIRE STANDPIPE DETAIL
NOT TO SCALE



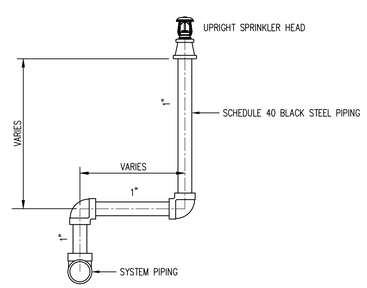
4 FP010 TYPICAL RECESSED PENDANT SPRINKLER HEAD DETAIL
NOT TO SCALE



1 FP010 FIRE SERVICE ENTRANCE RISER DETAIL
NOT TO SCALE



3 FP010 TYPICAL SIDEWALL SPRINKLER HEAD DETAIL
NOT TO SCALE



2 FP010 TYPICAL UPRIGHT SPRINKLER HEAD DETAIL
NOT TO SCALE

FIRE PROTECTION GENERAL NOTES

GENERAL REQUIREMENTS:

1. THE DESIGN, MATERIALS, AND INSTALLATION SHALL MEET OR EXCEED ALL REQUIREMENTS OF THE APPLICABLE NFPA STANDARDS, STATE FIRE MARSHALL, LOCAL FIRE MARSHALL HAVING JURISDICTION, OWNER'S INSURANCE CARRIER, AND GOVERNING CITY AND COUNTY CODES.
2. PROVIDE A COMPLETE AUTOMATIC WET PIPE SPRINKLER SYSTEM IN ALL CONDITIONED AREAS OF THE BUILDING. PROVIDE STANDPIPES IN ALL REQUIRED STAIRWAYS.
3. ALL FIRE PROTECTION SYSTEMS SHALL BE DESIGNED, HYDRAULICALLY SIZED, AND INSTALLED IN FULL COMPLIANCE WITH THE REQUIREMENTS OF NFPA 13, NFPA 14, OWNER'S INSURANCE UNDERWRITER, LOCAL AUTHORITIES, AND OTHER APPLICABLE CODES AND STANDARDS.
4. WARRANT THE SYSTEM LABOR, MATERIALS, AND EQUIPMENT FOR ONE YEAR AFTER COMPLETION AND ACCEPTANCE. REPLACE OR REPAIR ALL DEFECTIVE WORKMANSHIP, EQUIPMENT, AND MATERIALS AT NO ADDITIONAL COST TO THE OWNER.
5. THE INFORMATION GIVEN HEREIN AND ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED FOR BIDDING PURPOSES AND ITS ACCURACY IS NOT GUARANTEED.
6. INCLUDE ALL NECESSARY PERMITS, FEES, AND CHARGES IN THE BID.

DESIGN:

1. THE SPRINKLER SYSTEM SHALL BE DESIGNED AND HYDRAULICALLY CALCULATED UTILIZING THE INFORMATION INCLUDED HEREIN AND MEET ALL APPLICABLE CODES AND NFPA STANDARDS WHETHER OR NOT INDICATED WITHIN THESE DOCUMENTS.
2. THE DESIGN, INCLUDING HYDRAULIC CALCULATIONS, MATERIALS, AND LAYOUT, SHALL BE BY A SPECIALTY DESIGNER WHO IS A NICET LEVEL 3 OR HIGHER, AS REQUIRED BY STATE LAW, AND LICENSED FOR FIRE PROTECTION DESIGN.
3. PRIOR TO PERFORMING HYDRAULIC CALCULATIONS, OBTAIN APPROVED FIRE FLOW DATA (FLOW AND PRESSURE) FROM THE NEAREST WATER SUPPLY.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SHOP DRAWINGS INCLUDING, BUT NOT LIMITED TO, ALL ITEMS WHICH APPLY AS OUTLINED IN NFPA 13, CHAPTER 23, "PLANS AND CALCULATIONS".
5. PROVIDE ALL NECESSARY OFFSETS, RISES, OR DROPS IN THE PIPING AND AUXILIARY DRAINS AS REQUIRED BY BUILDING CODES WHETHER OR NOT SHOWN ON THE PLANS.
6. THE CONTRACTOR IS RESPONSIBLE FOR INVESTIGATING IF SEISMIC PROTECTION IS REQUIRED FOR THE PROJECT AND SHALL DESIGN, PROVIDE, AND INSTALL SEISMIC RESTRAINTS IN ACCORDANCE WITH NFPA 13.
7. SPRINKLER SYSTEM DESIGN CRITERIA:
   SYSTEM TYPE: WET PIPE SYSTEM
   KITCHEN, LAUNDRY, SERVICE, MECHANICAL, ELECTRICAL, AND STORAGE AREAS: ORDINARY HAZARD, GROUP 1.
   DENSITY: .15 GPM OVER AN AREA OF OPERATION OF 1500 SF.
   ALL OTHER AREAS: LIGHT HAZARD.
   DENSITY: .10 GPM OVER AN AREA OF OPERATION OF 1500 SF.
   COOLER/FREEZER & EXTERIOR CANOPY USING DRY SPRINKLERS: LIGHT HAZARD.
   DENSITY: .10 GPM OVER 1500 SF.

   SYSTEM TYPE: DRY SPRINKLER HEADS
   COOLER/FREEZER & EXTERIOR CANOPY: LIGHT HAZARD.
   DENSITY: .10 GPM OVER 1950 SF.

   HOSE ALLOWANCE (COMBINED INSIDE AND OUTSIDE):
   LIGHT HAZARD: 100 GPM
   ORDINARY HAZARD: 250 GPM

PIPING AND COMPONENTS:

1. VALVES, SPRINKLER HEADS, FLOW SWITCHES, AND ALL OTHER COMPONENTS USED IN THE SPRINKLER SYSTEM SHALL BE UL LISTED AND SHALL CONFORM TO ALL REQUIREMENTS AS LISTED IN THE LATEST EDITION OF THE NFPA STANDARDS.
2. UNDERGROUND PIPE AND FITTINGS:
   DUCTILE IRON, AWWA C151, WITH GROOVED-END, MECHANICAL, OR PUSH-ON FITTINGS AND JOINTS.
3. ABOVE GRADE PIPE AND FITTINGS:
   MINIMUM SIZE IS 1". FOR 1" TO 2" PIPING: SCHEDULE 40 BLACK STEEL, ASTM A 53 / A 53M, WITH THREADED, WELDED, OR GROOVED-END FITTINGS AND JOINTS. FOR 2½" AND LARGER PIPING: SCHEDULE 40 BLACK STEEL, ASTM A 53 / A 53M, WITH GROOVED-END FITTINGS AND JOINTS; OR THINWALL BLACK STEEL, ASTM A 135 OR ASTM A 795 / A 795M, WITH WALL THICKNESS EQUAL TO OR GREATER THAN SCHEDULE 10, WITH GROOVED-END FITTINGS AND JOINTS. SCHEDULE 5 PIPING WILL NOT BE PERMITTED.
4. IF PERMITTED BY LOCAL CODES, ASTM F 442 / F 442M AND UL 1821 CPVC PIPE, AND UL LISTED FITTINGS MAY BE USED. PIPE AND FITTINGS MUST INCLUDE "LISTED", AND "CPVC SPRINKLER" MARKINGS.
5. PIPE HANGERS:
   SHALL CONFORM TO NFPA AND UL STANDARDS FOR SPACING, NUMBER, SIZE, AND TYPE. PIPE TO BE GENERALLY SUPPORTED BY CLAMPS AND RODS SECURED TO OVERHEAD CONSTRUCTION.
6. VALVES:
   O.S.&Y.GATE VALVES, CAST IRON BODY, WITH BRONZE TRIM, SOLID WEDGE; OR BUTTERFLY VALVES, DUCTILE IRON BODY, WITH STAINLESS STEEL STEM, DUCTILE IRON DISC. VALVES SHALL BE UL LISTED AND APPROVED FOR FIRE PROTECTION SERVICE.
7. ESCUTCHEONS:
   PROVIDE CHROME PLATED BRASS ESCUTCHEONS WHERE EXPOSED PIPES PASS THROUGH FINISHED WALLS, FLOORS, OR CEILINGS. PROVIDE ROUGH BRASS ESCUTHEONS WHERE EXPOSED PIPES PASS THROUGH WALLS, FLOORS, OR CEILINGS IN UNFINISHED AREAS.
8. PROVIDE FIRE DEPARTMENT CONNECTION IN COMPLIANCE WITH LOCAL FIRE DEPARTMENT REQUIREMENTS.

SPRINKLER HEADS:

1. SPRINKLER HEAD LOCATIONS ARE SHOWN AS A BASIS OF DESIGN ONLY. FINAL SPRINKLER HEAD LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR BASED ON HYDRAULIC CALCULATIONS AND NFPA 13 REQUIREMENTS. ALL SPRINKLER HEAD LOCATIONS SHALL BE CONFIRMED WITH THE ARCHITECT PRIOR TO INSTALLATION.
2. SPRINKLERS IN PUBLIC AREAS WITH CEILINGS AND IN GUEST ROOMS SHALL BE RECESSED PENDENT TYPE, WITH TWO-PIECE ESCUTCHEON, CHROME PLATED OR WHITE AS SPECIFIED BY ARCHITECT.
3. SPRINKLERS IN OFFICES AND BACK-OF-HOUSE AREAS WITH CEILINGS SHALL BE RECESSED PENDENT TYPE, WITH TWO-PIECE ESCUTCHEON, CHROME PLATED OR WHITE AS SPECIFIED BY ARCHITECT.
4. SPRINKLERS IN AREAS WITHOUT CEILINGS SHALL BE BRASS UPRIGHT TYPE OR SIDEWALL TYPE.
5. INSTALL WIRE CAGE SPRINKLER GUARDS ON ALL SPRINKLERS IN STORAGE AREAS, LAUNDRY, UTILITY/SERVICE ROOMS, AND IN MECHANICAL AND ELECTRICAL ROOMS.
6. PROVIDE UPRIGHT OR SIDEWALL SPRINKLER HEADS AT THE TOP OF ALL ELEVATOR SHAFTS, EXCEPT SHAFTS FOR PASSENGER ELEVATORS THAT ARE NONCOMBUSTIBLE WITH CAR ENCLOSURES THAT MEET THE REQUIREMENTS OF ASME A17.1.

APPROVALS:

1. THE DESIGN SHALL BE SUBMITTED TO AND APPROVED BY THE AUTHORITY HAVING JURISDICTION, AND THE OWNER'S INSURANCE COMPANY, PRIOR TO FABRICATION OR INSTALLATION.
2. BEFORE STARTING INSTALLATION OF THE WORK, THE CONTRACTOR SHALL SUBMIT EQUIPMENT DATA, PIPING DRAWINGS, AND HYDRAULIC CALCULATIONS OF THE PROPOSED LAYOUT TO THE ARCHITECT FOR REVIEW. NUMBER OF COPIES AS SPECIFIED BY THE ARCHITECT.

INSTALLATION:

1. SPRINKLER SYSTEMS SHALL BE INSTALLED BY PERSONNEL WHO HAVE FACILITIES AND EXPERIENCE IN SUCH WORK, AND WHO ARE REGULARLY EMPLOYED TO DO SUCH WORK.
2. COORDINATE THE LOCATION OF ALL INSPECTOR'S TEST VALVES AND ROUTE TO EXTERIOR. PROVIDE AND INSTALL ACCESS PANELS AS REQUIRED.
3. IN ROOMS WITH 2'X2' LAY-IN TILE CEILINGS, SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF CEILING TILES (BOTH DIRECTIONS). IN ROOMS WITH 2'X4' LAY-IN TILE CEILINGS, SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF CEILING TILES (NARROW DIRECTION), AND IN THE CENTER OR QUARTER POINT OF CEILING TILES (LONG DIRECTION). IN ROOMS WITH GYPSUM BOARD CEILINGS, SPRINKLER HEADS SHALL BE LOCATED SYMMETRICALLY WITH RESPECT TO OTHER ELEMENTS IN THE CEILING (LIGHTS, GRILLES, ETC.).
4. PROVIDE ALL REQUIRED DRAINS, TEST STATIONS, VALVES, TAMPER SWITCHES, FLOW SWITCHES, ETC. FOR A COMPLETE SPRINKLER SYSTEM. PROVIDE ALL REQUIRED DEVICES AND COMPONENTS FOR INTER-LOCK WIRING WITH THE BUILDING FIRE ALARM.
5. SPRINKLER PIPING SHALL BE CONCEALED ABOVE CEILINGS WHERE POSSIBLE. COORDINATE ROUTING OF PIPING WITH DUCTWORK, PIPING, CONDUIT, ETC. INSTALLED BY OTHER TRADES. DO NOT INSTALL PIPING BENEATH AIR HANDLING BOXES OR WITHIN CLEARANCES REQUIRED FOR MAINTENANCE. INSTALL PIPING AT LEAST 4" ABOVE LIGHT FIXTURES TO ALLOW FOR FUTURE REMOVAL OF FIXTURES.
6. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL SMOKE AND FIRE WALLS. PIPING WHICH PENETRATES SMOKE OR FIRE WALLS SHALL BE SEALED IN AN APPROVED MANNER. PROVIDE SLEEVES OR OTHER APPROVED MEANS AND SEAL OPENINGS IN WALLS, FLOORS, AND CEILINGS IN SUCH A MANNER AS TO MAINTAIN THE SMOKE AND FIRE RATING.
7. THE CONTRACTOR SHALL EXAMINE THE JOB CONDITIONS AND VERIFY ALL MEASUREMENTS, DISTANCES, ELEVATIONS, CLEARANCES, PIPE SIZES, ETC. BEFORE STARTING THE WORK. THE LOCATION OF THE SPRINKLER HEADS SHALL BE COORDINATED WITH OTHER ELEMENTS IN THE CEILING INCLUDING, BUT NOT LIMITED TO, ARCHITECTURAL FEATURES, ELECTRICAL LIGHTS AND DEVICES, AND HVAC GRILLES.

TESTING:

1. UNDERGROUND PIPING:
   ALL PIPING AND ATTACHED APPURTENANCES SHALL BE HYDROSTATICALLY TESTED AT 200 PSI AND SHALL MAINTAIN THAT PRESSURE ±5 PSI FOR TWO HOURS.
2. ABOVE GRADE PIPING:
   ALL PIPING AND ATTACHED APPURTENANCES SHALL BE HYDROSTATICALLY TESTED AT 200 PSI AND SHALL MAINTAIN THAT PRESSURE WITHOUT LOSS FOR TWO HOURS.

FIRE PUMP:

1. PROVIDE A FIRE PUMP IF REQUIRED DUE TO INADEQUATE PRESSURE.

SAFETY MARGIN:

1. PROVIDE 10% PRESSURE SAFETY MARGIN.

FIRE PROTECTION LEGEND

—F—	FIRE WATER SUPPLY
	SPRINKLER SYSTEM RISER (WET)
	UPRIGHT/PENDENT SPRINKLER HEAD, REFER TO NOTES FOR TYPE
	DRY SIDEWALL SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD
	CORROSION RESISTANT SPRINKLER HEAD

HILTON FIRE PROTECTION NOTES

1. AHJ/FIRE MARSHAL ARE REQUIRED TO REVIEW AND APPROVE PRIOR TO INSTALL.
2. WHERE THE REQUIREMENTS OF LOCAL, REGIONAL AND/OR NATIONAL AUTHORITIES (I.E. THE AUTHORITY HAVING JURISDICTION HEREAFTER, AHJ) EXCEED THOSE PRESCRIBED BY HILTON, THE MORE STRINGENT STANDARD MUST BE FOLLOWED.
3. SYSTEMS MUST BE ZONED, AT A MINIMUM BY GUESTROOM FLOOR.
4. PROVIDE AN ELECTRICALLY SUPERVISED VALVE TAMPER SWITCH FOR EACH SYSTEM CONTROL VALVE. ELECTRICALLY SUPERVISED WATER FLOW SWITCHES MUST BE PROVIDED FOR EACH SYSTEM ZONE AS WELL AS EACH RISER.
5. FOR BUILDINGS PROTECTED BY AUTOMATIC SPRINKLERS, STANDPIPE SYSTEMS AND HOSE CONNECTIONS MAY BE DESIGNED AND INSTALLED FOR FIRE DEPARTMENT OR BRIGADE SERVICE USE ONLY. CALCULATED INTERIOR HOSE DEMAND MUST BE 100 GPM AND PROVIDED THROUGH AUTOMATIC MEANS.
6. WHEN THE STANDPIPE SYSTEM IS PROVIDED WITH A FIRE DEPARTMENT CONNECTION, THE LOCAL FIRE DEPARTMENT MUST BE CONSULTED REGARDING AVAILABLE WATER SUPPLY. DIAMETER AND THREADING OF HOSE CONNECTIONS MUST BE CONSISTENT WITH THOSE USED BY FIREFIGHTING FORCES RESPONDING TO THE PROPERTY.
7. NON-CONCEALED OR RECESSED (CEILING OR SIDEWALL) SPRINKLER HEADS MUST HAVE APPROPRIATE SIGNAGE TO DISCOURAGE INTERACTION WITH THE DEVICE.
8. PROTECTIVE SYSTEMS MUST BE SPECIFIED, INSTALLED AND SUCCESSFULLY COMMISSIONED IN CONFORMANCE WITH NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS -LATEST EDITION (WWW.NFPA.ORG)
9. WHERE APPLICABLE, COORDINATE LOCATION OF HEADS WITH OTHER CEILING ELEMENTS, I.E. CENTER OF ACT, CENTERED/ALIGNED WITH FIXTURES. THIS INCLUDES GUESTROOM ENTRY AREA.
10. QUICK RESPONSE (QR) SPRINKLERS MUST BE USED THROUGHOUT AUTOMATIC SPRINKLER SYSTEMS, SUBJECT TO INSTALLATION CRITERIA PUBLISHED BY THE MANUFACTURER. THE USE OF STANDARD RESPONSE SPRINKLERS IN EXISTING BUILDINGS IS PERMITTED UNTIL SUCH TIME AS MAJOR RENOVATION OF THE AUTOMATIC SPRINKLER SYSTEM(S) OCCURS.
11. PROTECT HEADS IN POTENTIAL IMPACT AREAS, SPRINKLER GUARDS MUST BE PROVIDED IN BACK-OF-HOUSE AREAS INCLUDING LINEN AND STORAGE ROOMS. I.E. LAUNDRY ROOM, STORAGE.

OLIVE ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030549 J. DAVID HOOD
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON
OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

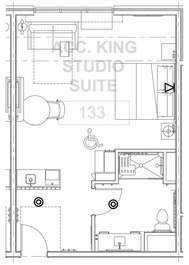
Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: JDH
checked by: CED
project no: 25-104

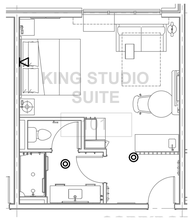
FIRE PROTECTION NOTES, LEGEND AND DETAILS

FP010

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE, PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

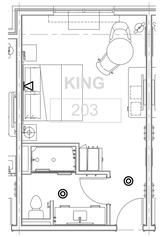


3 FP110 ACCESSIBLE KING STUDIO SUITE
SCALE: 1/8" = 1'-0"

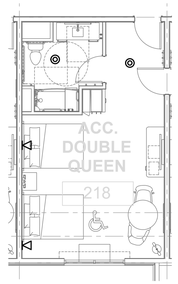


4 FP110 KING STUDIO SUITE
SCALE: 1/8" = 1'-0"

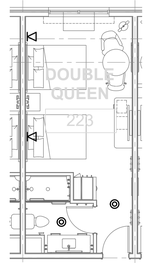
5 FP110 ACCESSIBLE KING
SCALE: 1/8" = 1'-0"



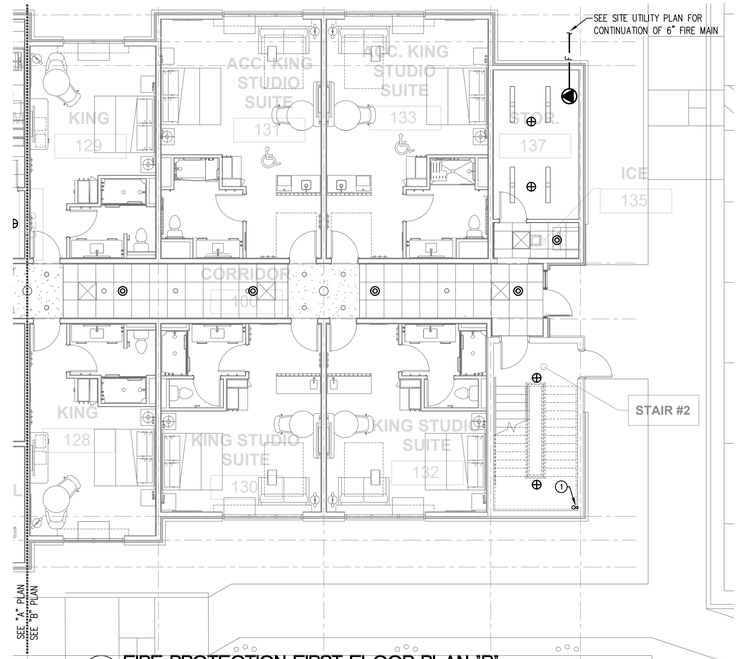
6 FP110 KING
SCALE: 1/8" = 1'-0"



7 FP110 ACCESSIBLE DOUBLE QUEEN
SCALE: 1/8" = 1'-0"



8 FP110 DOUBLE QUEEN
SCALE: 1/8" = 1'-0"



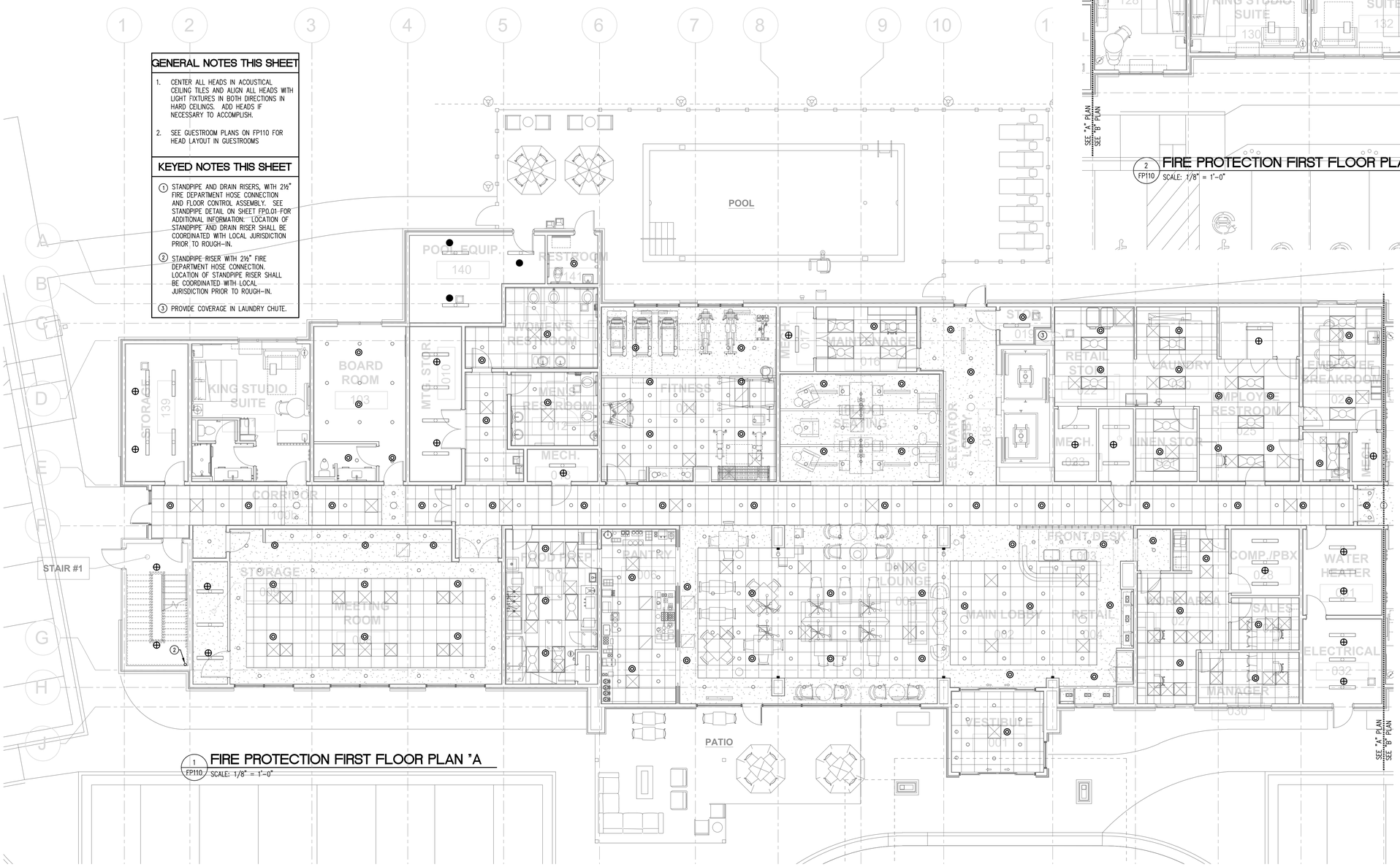
2 FP110 FIRE PROTECTION FIRST FLOOR PLAN "B"
SCALE: 1/8" = 1'-0"

GENERAL NOTES THIS SHEET

1. CENTER ALL HEADS IN ACOUSTICAL CEILING TILES AND ALIGN ALL HEADS WITH LIGHT FIXTURES IN BOTH DIRECTIONS IN HARD CEILINGS. ADD HEADS IF NECESSARY TO ACCOMPLISH.
2. SEE GUESTROOM PLANS ON FP110 FOR HEAD LAYOUT IN GUESTROOMS

KEYED NOTES THIS SHEET

1. STANDPIPE AND DRAIN RISERS, WITH 2½" FIRE DEPARTMENT HOSE CONNECTION AND FLOOR CONTROL ASSEMBLY. SEE STANDPIPE DETAIL ON SHEET FP0.01-FOR ADDITIONAL INFORMATION. LOCATION OF STANDPIPE AND DRAIN RISER SHALL BE COORDINATED WITH LOCAL JURISDICTION PRIOR TO ROUGH-IN.
2. STANDPIPE RISER WITH 2½" FIRE DEPARTMENT HOSE CONNECTION. LOCATION OF STANDPIPE RISER SHALL BE COORDINATED WITH LOCAL JURISDICTION PRIOR TO ROUGH-IN.
3. PROVIDE COVERAGE IN LAUNDRY CHUTE.



1 FP110 FIRE PROTECTION FIRST FLOOR PLAN "A
SCALE: 1/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030549 J. DAVID HOOD
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/16/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: JDH
checked by: CED
project no: 25-104

FIRE PROTECTION FIRST FLOOR AND GUESTROOM PLANS

FP110

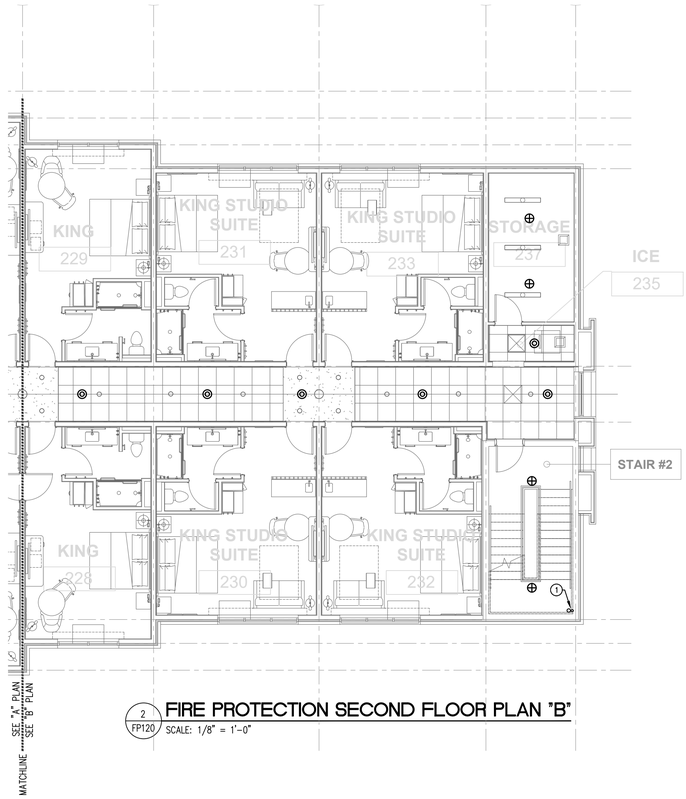
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

GENERAL NOTES THIS SHEET

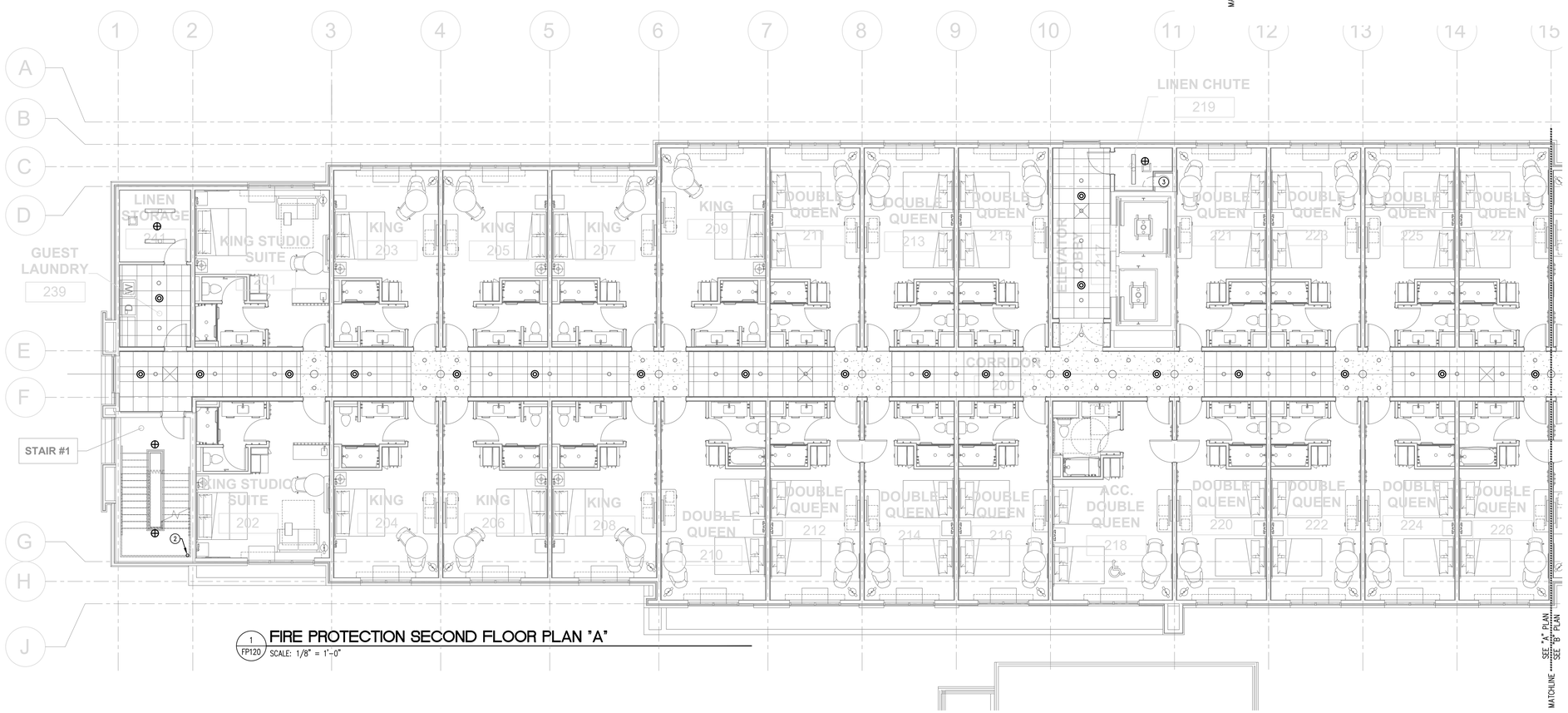
1. CENTER ALL HEADS IN ACOUSTICAL CEILING TILES AND ALIGN ALL HEADS WITH LIGHT FIXTURES IN BOTH DIRECTIONS IN HARD CEILINGS. ADD HEADS IF NECESSARY TO ACCOMPLISH.
2. SEE GUESTROOM PLANS ON FP110 FOR HEAD LAYOUT IN GUESTROOMS

KEYED NOTES THIS SHEET

1. STANDPIPE AND DRAIN RISERS, WITH 2½" FIRE DEPARTMENT HOSE CONNECTION AND FLOOR CONTROL ASSEMBLY. SEE STANDPIPE DETAIL ON SHEET FP0.01 FOR ADDITIONAL INFORMATION. LOCATION OF STANDPIPE AND DRAIN RISER SHALL BE COORDINATED WITH LOCAL JURISDICTION PRIOR TO ROUGH-IN.
2. STANDPIPE RISER WITH 2½" FIRE DEPARTMENT HOSE CONNECTION. LOCATION OF STANDPIPE RISER SHALL BE COORDINATED WITH LOCAL JURISDICTION PRIOR TO ROUGH-IN.
3. PROVIDE COVERAGE IN LAUNDRY CHUTE.



2 FP120 FIRE PROTECTION SECOND FLOOR PLAN "B"
SCALE: 1/8" = 1'-0"



1 FP120 FIRE PROTECTION SECOND FLOOR PLAN "A"
SCALE: 1/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030549 J. DAVID HOOD
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/15/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: JDH
checked by: CED
project no: 25-104

FIRE PROTECTION SECOND FLOOR PLAN

FP120

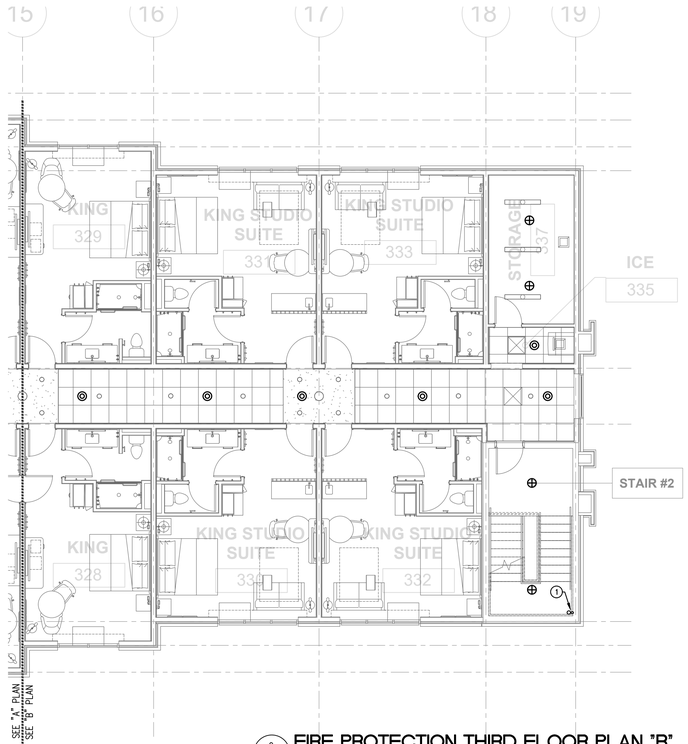
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

GENERAL NOTES THIS SHEET

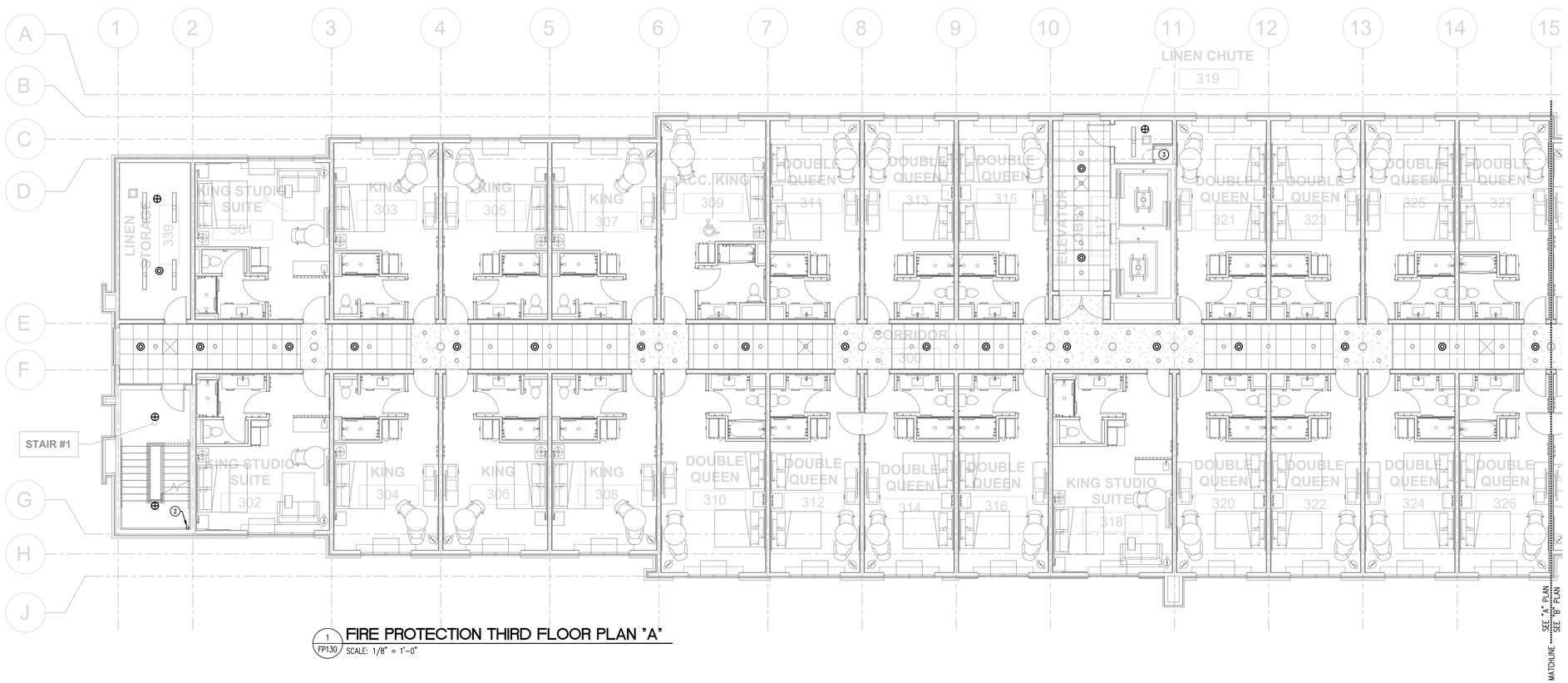
1. CENTER ALL HEADS IN ACOUSTICAL CEILING TILES AND ALIGN ALL HEADS WITH LIGHT FIXTURES IN BOTH DIRECTIONS IN HARD CEILINGS. ADD HEADS IF NECESSARY TO ACCOMPLISH.
2. SEE GUESTROOM PLANS ON FP110 FOR HEAD LAYOUT IN GUESTROOMS

KEYED NOTES THIS SHEET

1. STANDPIPE AND DRAIN RISERS, WITH 2½" FIRE DEPARTMENT HOSE CONNECTION AND FLOOR CONTROL ASSEMBLY. SEE STANDPIPE DETAIL ON SHEET FP0.01 FOR ADDITIONAL INFORMATION. LOCATION OF STANDPIPE AND DRAIN RISER SHALL BE COORDINATED WITH LOCAL JURISDICTION PRIOR TO ROUGH-IN.
2. STANDPIPE RISER WITH 2½" FIRE DEPARTMENT HOSE CONNECTION. LOCATION OF STANDPIPE RISER SHALL BE COORDINATED WITH LOCAL JURISDICTION PRIOR TO ROUGH-IN.
3. PROVIDE COVERAGE IN LAUNDRY CHUTE.



2 FP130 FIRE PROTECTION THIRD FLOOR PLAN "B"
SCALE: 1/8" = 1'-0"



1 FP130 FIRE PROTECTION THIRD FLOOR PLAN "A"
SCALE: 1/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 p 919.838.9934
Raleigh, NC 27603 f 919.838.9995

ALLIED
CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030549 J. DAVID HOOD
09-11-26

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/15/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: JDH
checked by: CED
project no: 25-104

FIRE PROTECTION
THIRD FLOOR PLAN

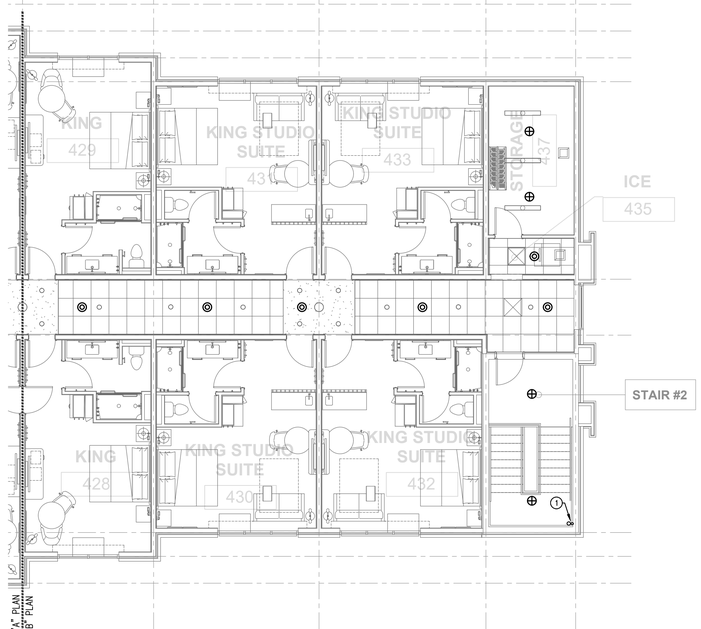
FP130

GENERAL NOTES THIS SHEET

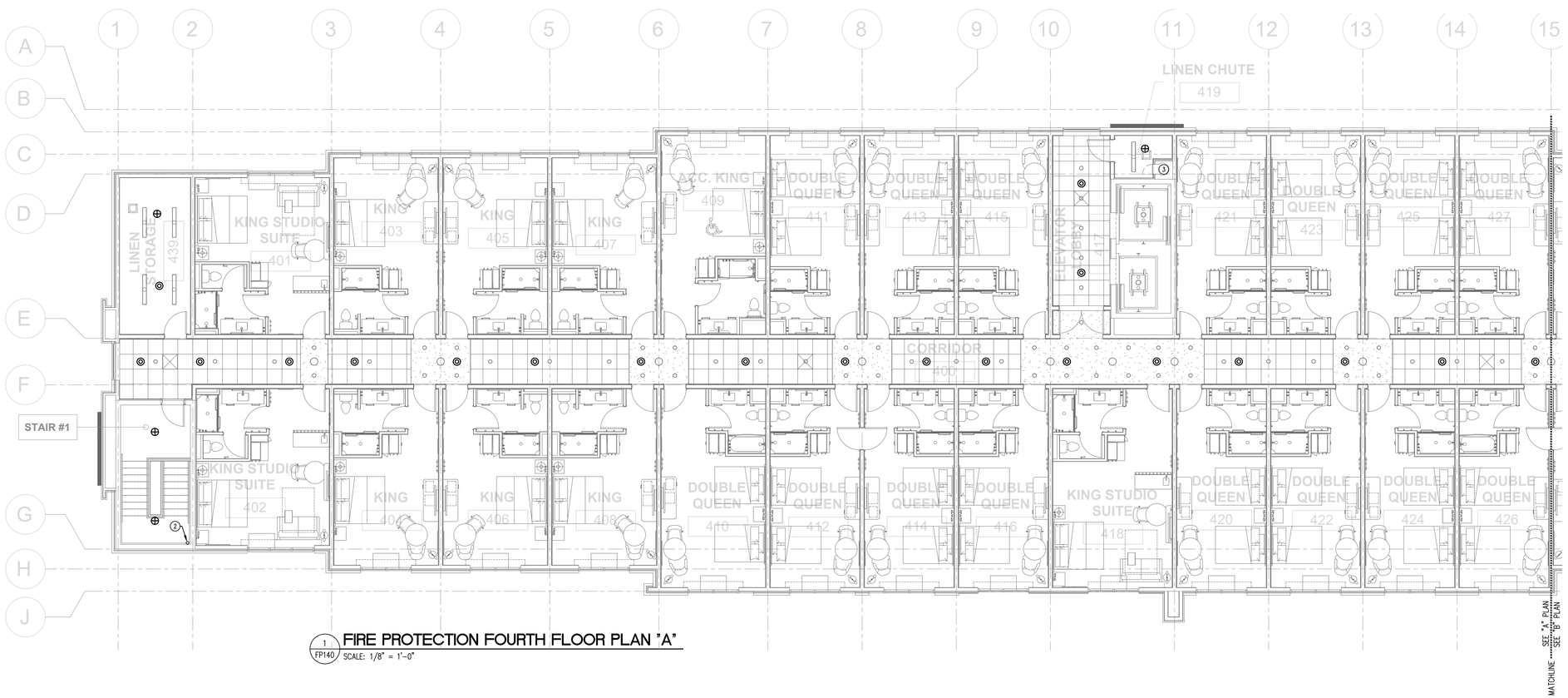
1. CENTER ALL HEADS IN ACOUSTICAL CEILING TILES AND ALIGN ALL HEADS WITH LIGHT FIXTURES IN BOTH DIRECTIONS IN HARD CEILINGS. ADD HEADS IF NECESSARY TO ACCOMPLISH.
2. SEE GUESTROOM PLANS ON FP110 FOR HEAD LAYOUT IN GUESTROOMS

KEYED NOTES THIS SHEET

1. STANDPIPE AND DRAIN RISERS, WITH 2½" FIRE DEPARTMENT HOSE CONNECTION AND FLOOR CONTROL ASSEMBLY. SEE STANDPIPE DETAIL ON SHEET FP0.01 FOR ADDITIONAL INFORMATION. LOCATION OF STANDPIPE AND DRAIN RISER SHALL BE COORDINATED WITH LOCAL JURISDICTION PRIOR TO ROUGH-IN.
2. STANDPIPE RISER WITH 2½" FIRE DEPARTMENT HOSE CONNECTION. LOCATION OF STANDPIPE RISER SHALL BE COORDINATED WITH LOCAL JURISDICTION PRIOR TO ROUGH-IN.
3. PROVIDE COVERAGE IN LAUNDRY CHUTE.



2 / FP140 FIRE PROTECTION FOURTH FLOOR PLAN "B"
SCALE: 1/8" = 1'-0"



1 / FP140 FIRE PROTECTION FOURTH FLOOR PLAN "A"
SCALE: 1/8" = 1'-0"

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934
f 919.838.9995

ALLIED CONSULTING ENGINEERS
709 Catawba St.
Belmont, NC 28012
P: (704) 399-3943
www.allied-engineers.com
North Carolina COA #P-0342
ALLIED #25165

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030549 J. DAVID HOOD
09-11-26

FOR CONSTRUCTION

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

issue date:

ISSUE	NAME	DATE
	CONSTRUCTION	09/11/2026

revisions:

Revision	Date	Description
1	04/15/2026	Hilton Comments
2	07/14/2026	Site Lighting Coord.
3	09/11/2026	Coordination

drawn by: JDH
checked by: CED
project no: 25-104

FIRE PROTECTION FOURTH FLOOR PLAN

FP140

THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET DOES NOT APPEAR IN RED, THIS IS NOT AN AUTHORIZED COPY.