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

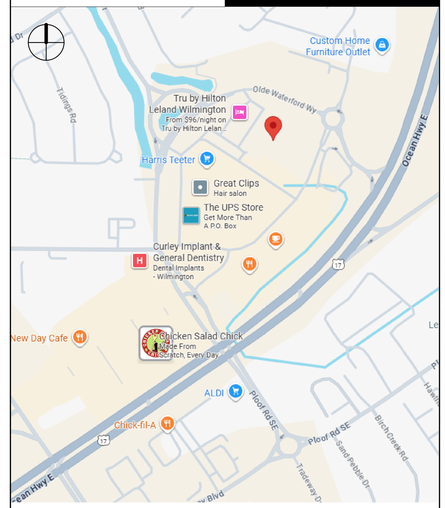
ARCHITECT
Olive Architecture
436 N. Harrington St. Suite 140
Raleigh, NC 27603
E-Mail: ---@Olive-Arch.com
Phone: (919) 838-9934
Fax: (919) 838-9995

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 10:03:59 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.

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

_____ + _____ + ... = _____ ≤ 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 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:
checked by:
project no: 25-104

CODE SUMMARY
G001
9/18/2026 10:34:02 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.

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 SAID 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: MC-250 OR MC-70 PER ASPHALT INSTITUTE (ASTM D2027-76)

SURFACE COAT: AS NOTED ON CIVIL DRAWINGS

PAVEMENT MARKINGS, PARKING STALL STRIPES SHALL BE: AS NOTED ON CIVIL DRAWINGS

DO NOT APPY PAVEMENT-MARKING PAINT UNTIL LAYOUT, COLORS, AND PLACEMENT HAVE BEEN VERIFIED

SEAL COAT: FOG-SEAL BY KOPPERS COMPANY.

PROVIDE ALL ASPHALT AND CONCRETE WORK COMPLETE, AS SHOWN ON THE DRAWINGS HEREIN SPECIFIED, INCLUDING CONCRETE FORM WORK, REINFORCEMENT DOWELS AND ACCESSORIES, CONCRETE MIXED, PLACE, FINISHED AND CURED.

EXTERIOR WALKS AND RAMPS TO BE LIGHT BROOM TEXTURE FINISH, UNLESS NOTED OTHERWISE.

EXTERIOR FLATWORK AND CURBS - PROVIDE EXPANSION CONTRACTION JOINT AT 20'-0" ON CENTER MAXIMUM AND CONTROL JOINT AT 5'-0" ON CENTER MAXIMUM.

UNIT PAVERS:

SHOULD BE OF UNIFORM COLORATION WITHIN SPECIFIED RANGE AND FREE OF DEFECTS IN STRENGTH, DURABLILITY, AND APPEARANCE

EXAMINE AREAS TO RECEIVE PAVERS AND INSTALLATION CONDITIONS, INCLUDING ALL RELATED WORK TO BE COMPLETED BEFORE INSTALLATION

NOTIFY ARCHITECT IN WRITING OF ANY CONDITIONS NOT IN COMPLIANCE WITH REQUIREMENTS

CORRECT ANY UNSATASFACTORY CONDITIONS BEFORE INSTALLING PRODUCTS SPECIFIED IN THIS SECTION. COMMENCEMENT OF INSTALLATION INDICATES ACCEPTANCE OF CONDITIONS.

DIVISION 03 - CONCRETE

03050 - BASIC CONCRETE MATERIALS AND METHODS

REFER TO STRUCTURAL DRWGS. FOR CONCRETE SPECS

03500 - CEMENTITIOUS DECKS AND UNDERLAYMENT

COORDINATE CEMENT-BASED UNDERLAYMENT WITH REQMTS. OF FINISH FLOORING PRODUCTS, INCLUDING ADHESIVES

MANUFACTURERS: "DURA-CAP"; MAXXON CORPORATION (612-478-2431)

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

drawn by: NMM & RRHA

checked by: FTM

project no: 25-104

SPECIFICATIONS

G100

9/18/2026 10:34:06 AM

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.

GENERAL BUILDING APPLICATIONS: FOR JOINTS WHERE MOVEMENT IS ANTICIPATED, USE A.C. HORN HORNFLEX (POLYSULFIDE ONE COMPONENT SYSTEM) IN THE COLOR INDICATED ON FINISH SCHEDULE, OR IF NOT SHOWN, MATCH SEALANT MATERIAL TO COLORS OF ADJACENT MATERIALS AS APPROVED BY OWNER'S REPRESENTATIVE, UNLESS INDICATED OTHERWISE. SEALANT TO HAVE A SHORE "A" HARDNESS OF 20 TO 30.

FOR DRY JOINTS BETWEEN DISSIMILAR MATERIALS WHERE LITTLE MOVEMENT IS ANTICIPATED, USE A.C. HORN HORNSEAL ELASTOMERIC CAULK (BUTYL RUBBER ONE COMPONENT SYSTEM) IN THE COLOR WHICH MOST CLOSELY MATCHES ADJACENT SURFACES.

FOR GLAZING AND KITCHEN APPLICATIONS:

GENERAL ELECTRIC SILICONE CONSTRUCTION 1200 SEALANT.

FOR SHEET METAL FLASHING AND COPING:

GENERAL ELECTRIC SILPRUF SILICONE WEATHER PROOFING SEALANT.

THE GENERAL CONTRACTOR SHALL INCLUDE IN HIS WORK THE FOLLOWING: AFTER ALL EQUIPMENT AND WALL MATERIALS ARE INSTALLED, ALL JOINTS TO WALLS AND BASES SHALL BE SEALED WITH SILICONE SEALANT.

ALL INSIDE VERTICAL CERAMIC TILE CORNERS SHALL RECEIVE A TOOLED BEAD OF SILICONE SEALANT.

MANUFACTURERS: DOW CORNING CORP, GE SILICONES.

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

drawn by: NMM & RRHA

checked by: FTM

project no: 25-104

SPECIFICATIONS

G101

9/18/2026 10:34:10 AM

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 101/1.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

OLIVE
ARCHITECTURE
WWW.OLIVE-ARCH.COM
436 N. Harrington St. Ste. 140 Raleigh, NC 27603
p 919.838.9934 f 919.838.9955

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

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.

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 SAID 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.

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

drawn by:
NMM & RRHA

checked by:
FTM

project no:
25-104

SPECIFICATIONS

G103

9/18/2026 10:34:19 AM

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
V	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
Ex	DUPLEX RECEPTACLE WALL-MOUNTED
Ex	DOUBLE DUPLEX RECEPTACLE WALL-MOUNTED
Sx	SPECIAL PURPOSE RECEPTACLE WALL-MOUNTED *x = SPECIAL CONDITIONS (USB, GFI)*
	DATA RECEPTACLE
	VOICE RECEPTACLE
TV	COMBINATION RF COAX CABLE AND DATA OUTLET
Sx 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
J	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 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: 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 919.838.9995

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: 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

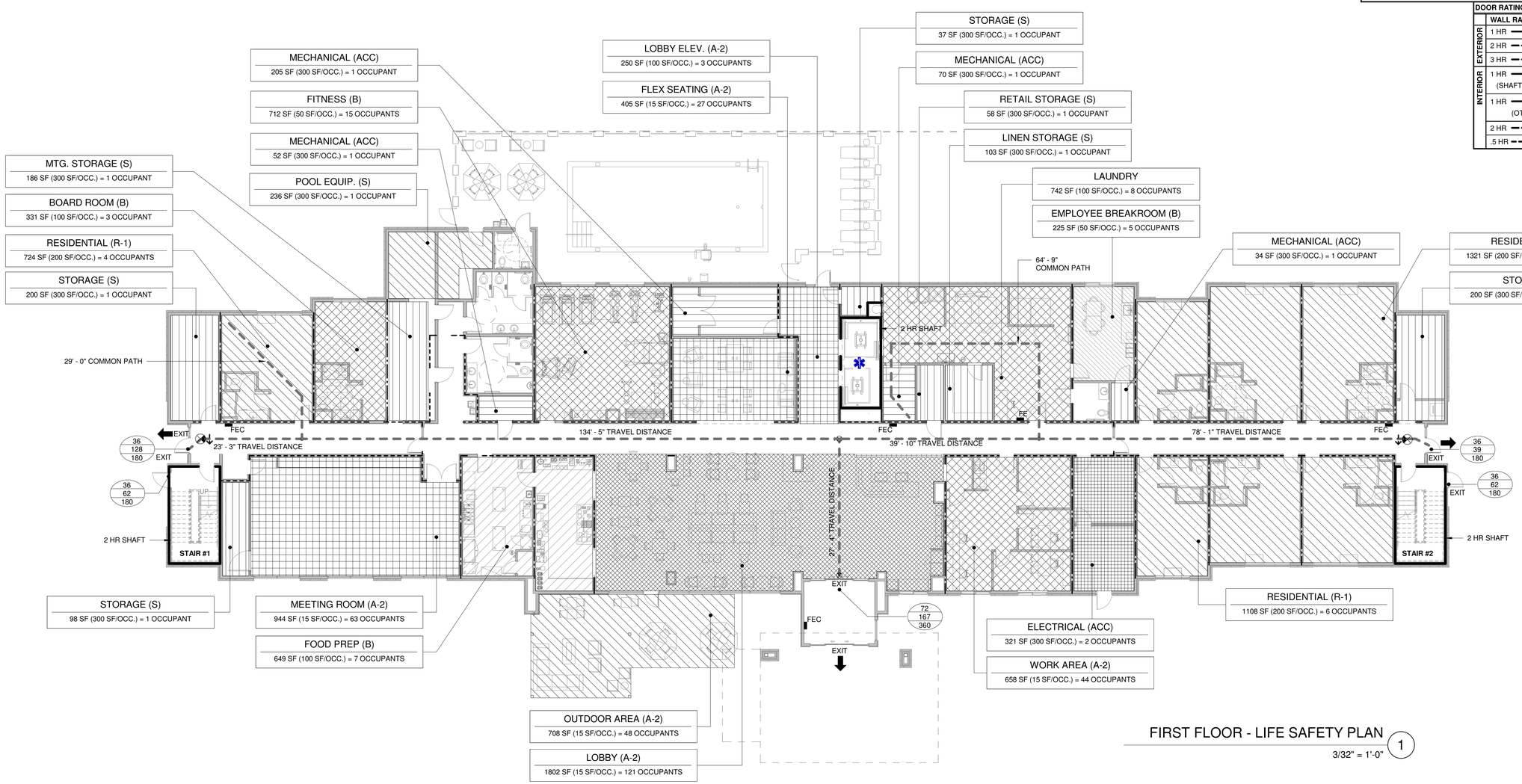
- - - - - - - - - - - -	30 MINUTE EXIT ACCESS CORRIDOR
—·—·—·—	1 HOUR FIRE PARTITION
—··—··—·—	2 HOUR FIRE PARTITION
▬▬▬▬▬	1 HOUR FIRE BARRIER
▬▬▬▬▬	2 HOUR SHAFT ENCLOSURE/STRUCTURE PROTECTION
⊗	EXIT SIGN
F.E.C.	FIRE EXTINGUISHER CABINET
✱	"STAR OF LIFE" DECAL AT ELEVATOR ENTRANCE FOR STRETCHER CAPABILITY
# / ## / ###	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 919.838.9995

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

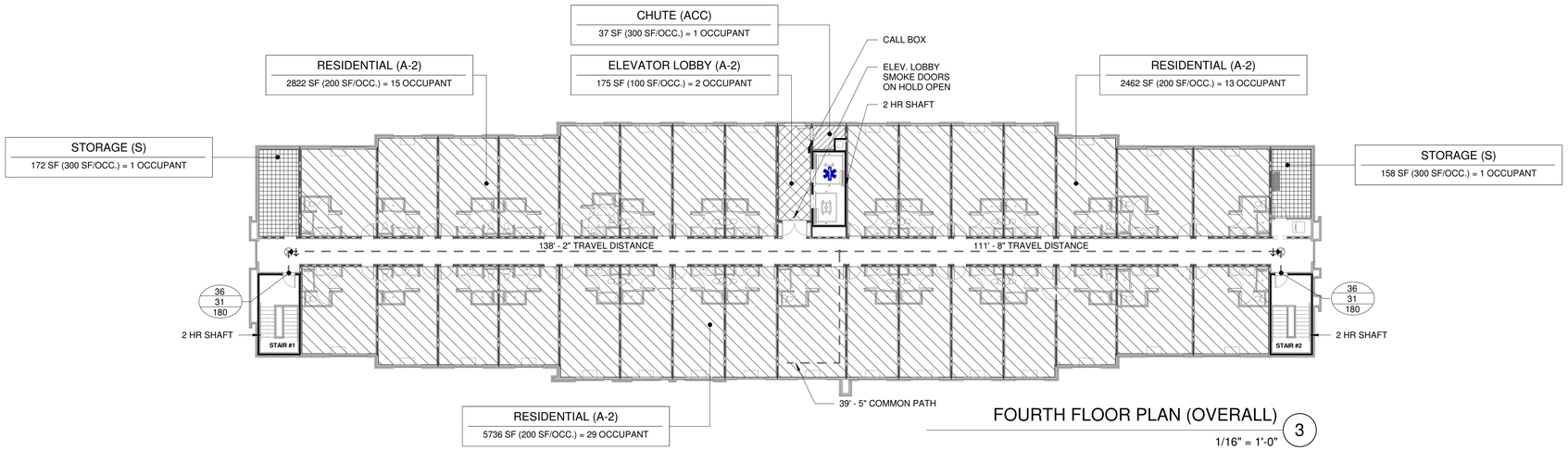
drawn by: KKJ
checked by: FTM
project no: 25-104

LIFE SAFETY

G200

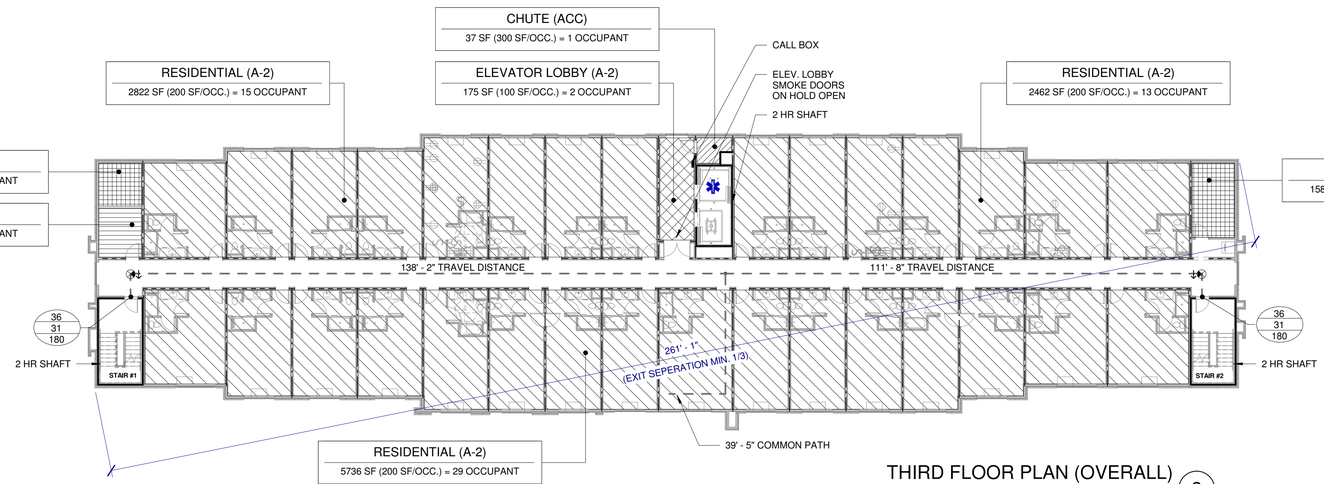
9/18/2026 10:34:31 AM

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.



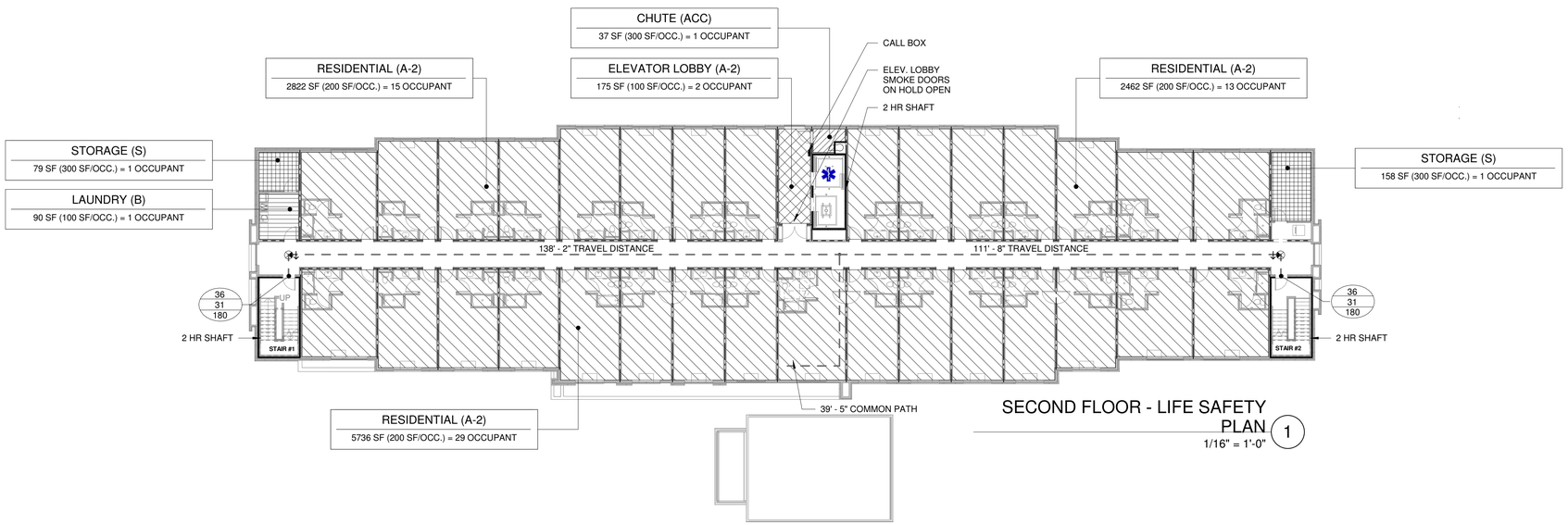
FOURTH FLOOR PLAN (OVERALL) 3

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
EXTERIOR	2 HR	90 MIN
EXTERIOR	3 HR	90 MIN
INTERIOR	1 HR (SHAFTS & EXITS)	60 MIN
INTERIOR	1 HR (OTHER)	45 MIN
INTERIOR	2 HR	90 MIN
INTERIOR	.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 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:

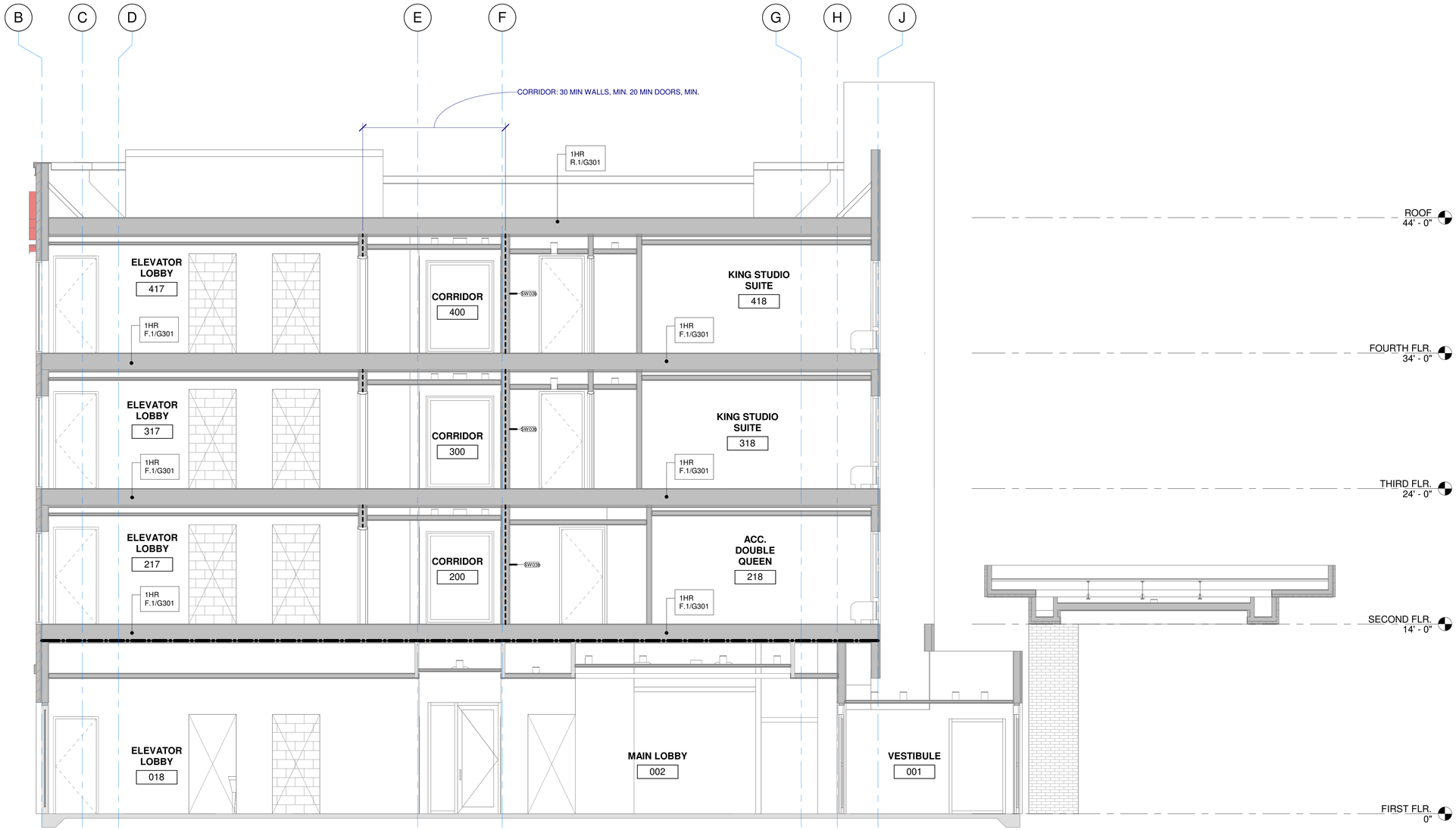
Revision	Date	Description

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

LIFE SAFETY

G201

9/18/2026 10:34:42 AM



CROSS SECTION - LIFE SAFETY

1/4" = 1'-0"

1

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

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

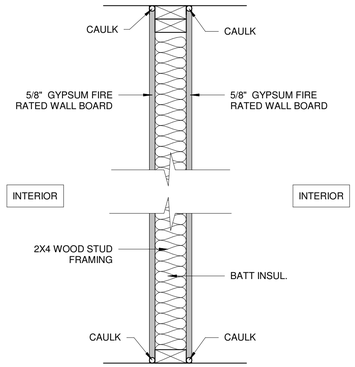
project no:
25-104

LIFE SAFETY - SECTION

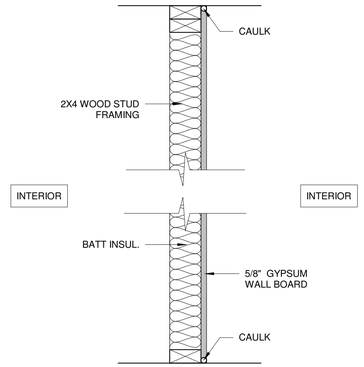
G202

9/18/2026 10:34:48 AM

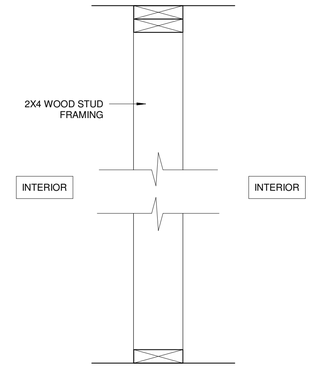
WALL TYPES



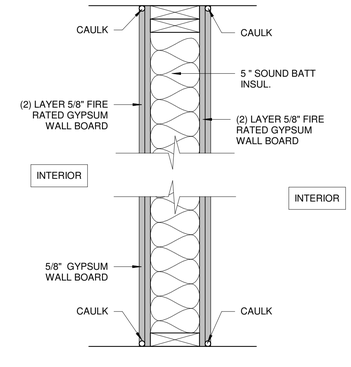
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW01	INTERIOR WALL	1 HR	U309



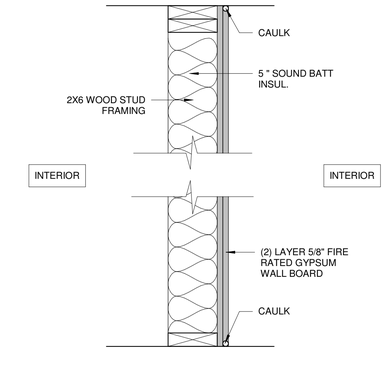
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW02	INTERIOR WALL	---	---



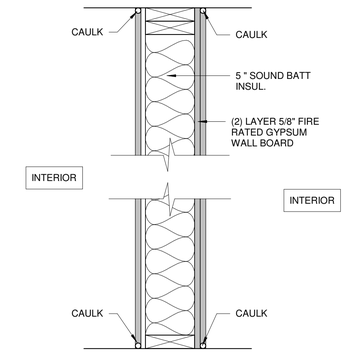
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW02a	INTERIOR WALL	---	---



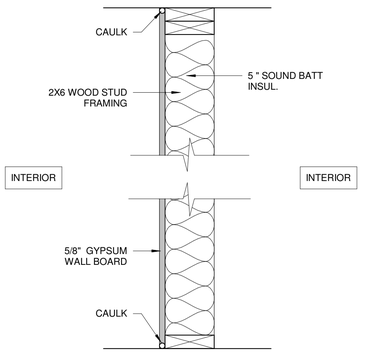
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW03	DEMISING WALL	1 HR	U309



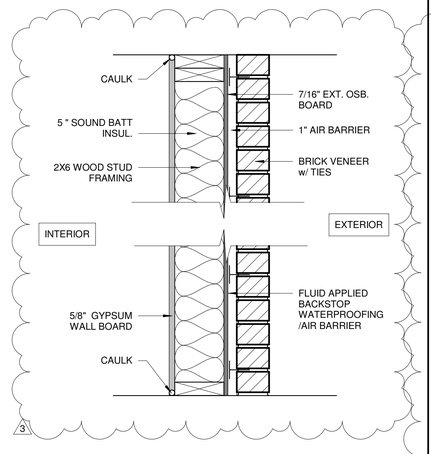
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW03a	INTERIOR WALL	---	---



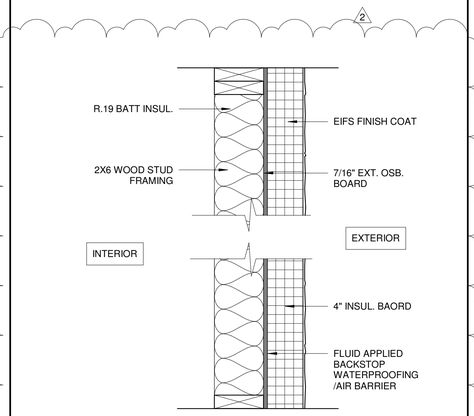
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW03b	CORRIDOR WALL	30 MIN.	U305



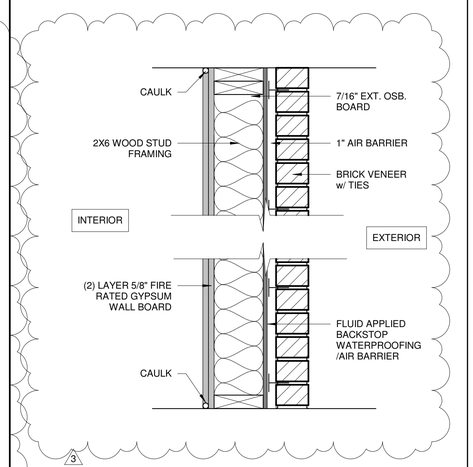
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW03c	INTERIOR WALL	---	---



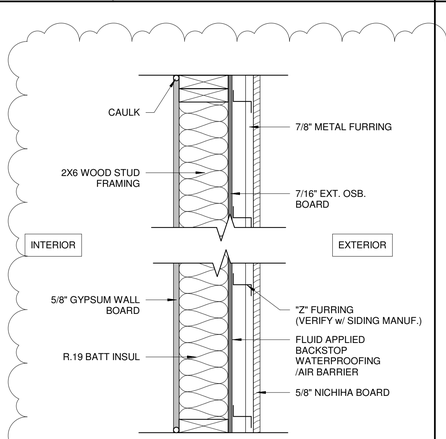
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW04	EXTERIOR WALL	---	---



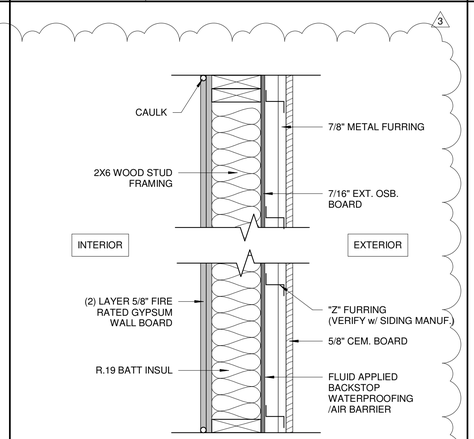
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW04a	EXTERIOR WALL	---	---



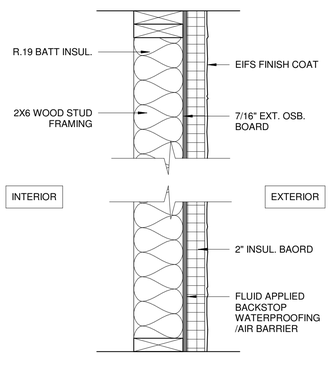
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW04b	EXTERIOR WALL	---	---



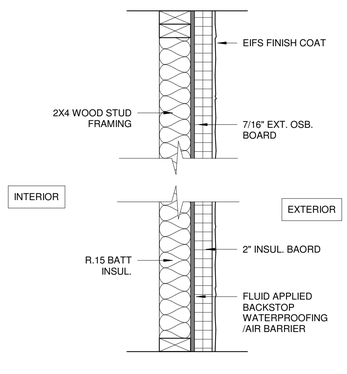
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW05	EXTERIOR WALL	---	---



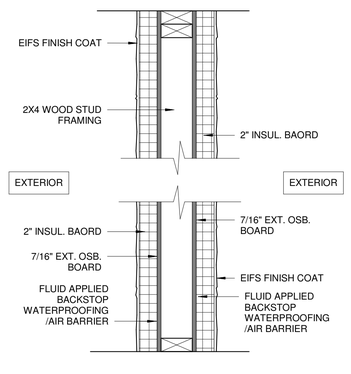
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW05a	EXTERIOR WALL	---	---



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 919.838.9955

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
3	09.16.26	CLARIFICATIONS

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

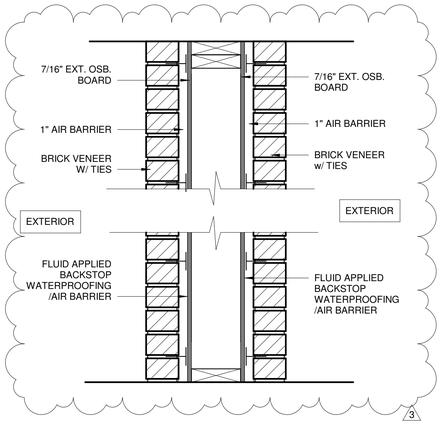
WALL TYPES

G300

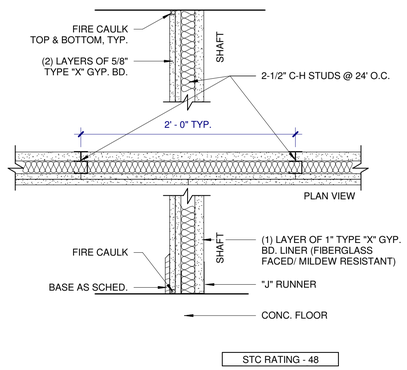
9/18/2026 10:34:51 AM

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

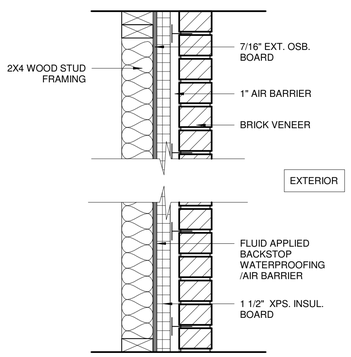


TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW08	EXTERIOR WALL	---	---

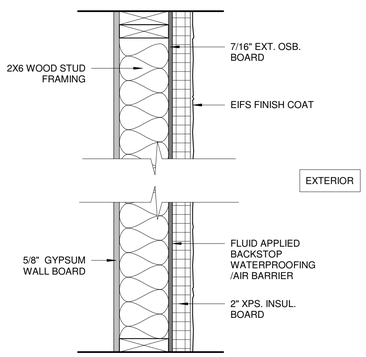


*ALL SHAFT SIDE WALL GWB TO BE NON CELLULOSE FACED/ MR, TYP.

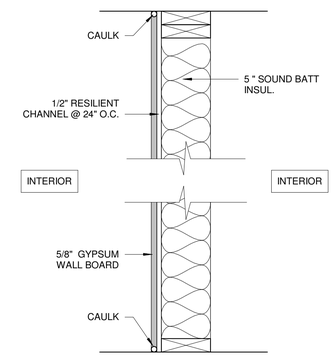
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW09	SHAFT WALL	2 HR.	---



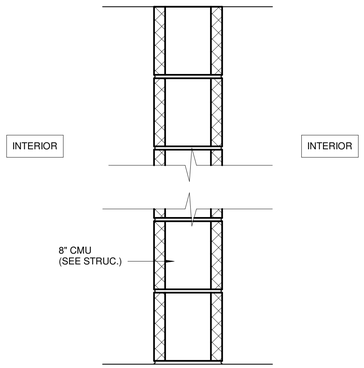
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW10	EXTERIOR WALL	---	---



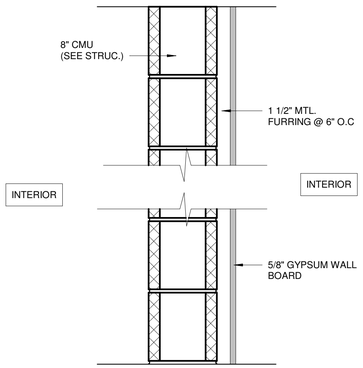
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW11	EXTERIOR WALL	---	---



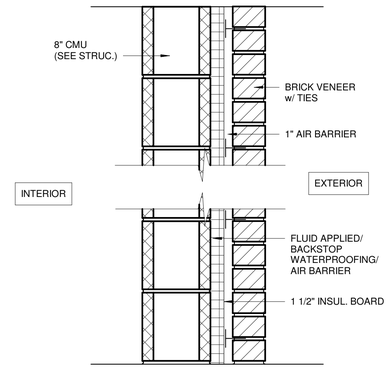
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
SW12	INTERIOR WALL	---	---



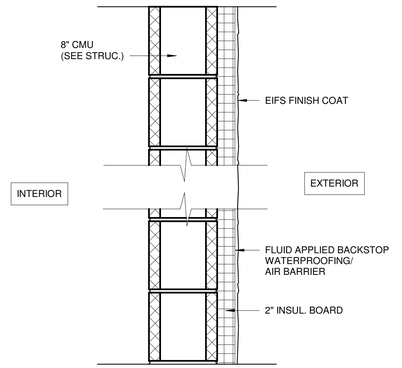
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
CM01	STAIR SHAFT	2 HR.	U905



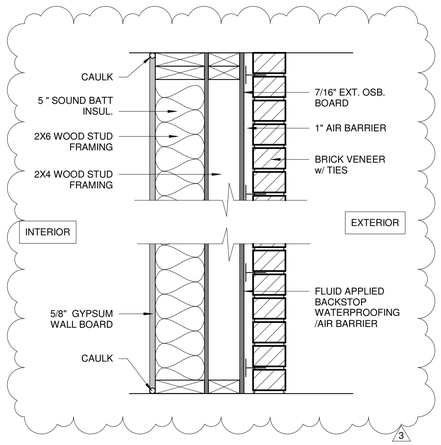
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
CM02	ELEV. SHAFT	2 HR.	U905



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

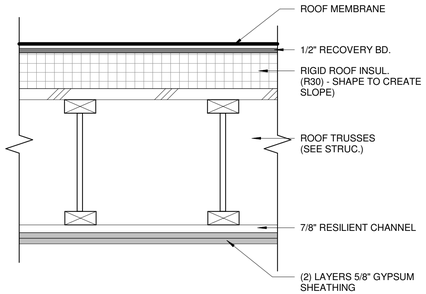
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
---	---	---	---

NOT USED

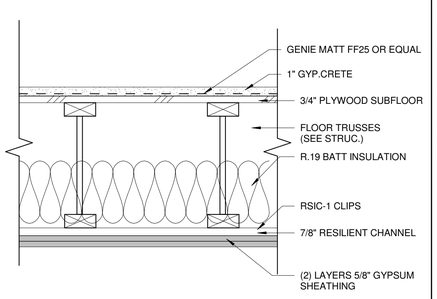
TYPE MARK	LOCATION	FIRE RATING	ASSEMBLY
---	---	---	---

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 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
3	09.16.26	CLARIFICATIONS

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

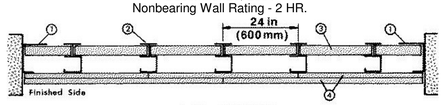
WALL TYPES

G301

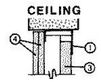
9/18/2026 10:34:54 AM

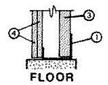
UL DETAILS

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.

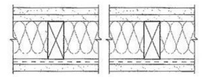
2. **Steel Studs -** "C-H" -shaped studs, 2-1/2 in. wide by 1-1/2 in. deep, fabricated from 25 MSG galv steel. Cut to lengths 3/8 to 1/2 in. less than floor to ceiling height and spaced 24 in. or 600 mm OC.
2A. **Steel Studs -** (Not shown)-"E" -shaped studs installed in place of "C-H" -shaped studs (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* -** (Option A) - (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)**

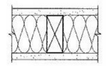


Thickness: 6"
Approx. Weight: 9 psf
Fire Test: Based on UL R14196, 05NK05371, 2-15-05, UL Design U305
Sound Test: NRCC TL-93-116, IRC-IR-761, 3-98

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)**



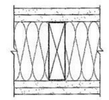
Thickness: 4-3/4"
Approx. Weight: 7.5 psf
Fire Test: ITS J20-06170.1, 4-00

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

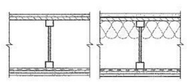
GA FILE NO. FC 5011 | PROPRIETARY* | 1 HOUR FIRE | 60 to 64 STC SOUND

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

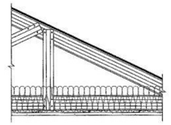
GA FILE NO. RC 2506 | PROPRIETARY* | 1 HOUR FIRE

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

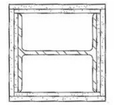


Approx. Ceiling Weight: 4.5 psf
Fire Test: UL R14196, 4786042166, 8-2-13, UL Design P557

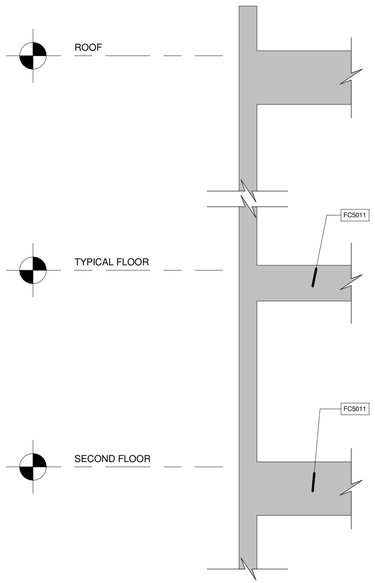
GA FILE NO. CM 2015 | GENERIC | 2 HOUR FIRE

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.

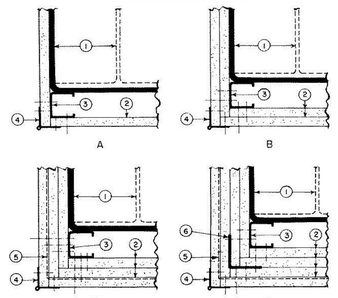


Fire Test: UL NC505-(1-6), 71NK2639, 12-23-75; UL NC505, 77NK1518; UL Design X526



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 bottem 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

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

PERMIT SET

HAMPTON INN & SUITES by HILTON

OLD WATERFORD WAY
LELAND, NC 28451

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.

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

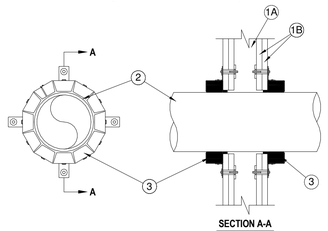
G400

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

*Bearing the UL Classification Mark

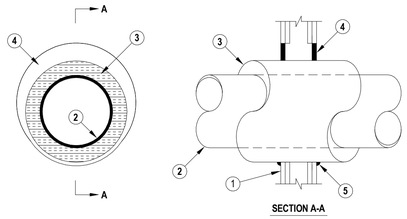
Hilti Firestop Systems

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

System No. W-L-5029

C US 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

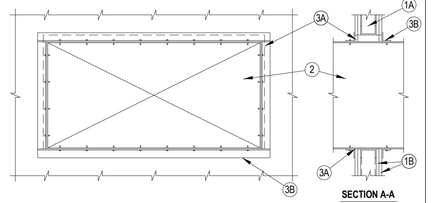
Hilti Firestop Systems

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

System No. W-L-7040

C US 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, CPC601S 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 sufaces 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

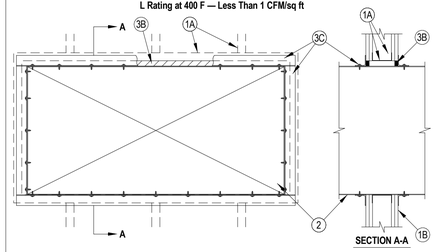
Hilti Firestop Systems

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

System No. W-L-7155

C US 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 (13 to 25 mm)	Item 3A1	No

*Bearing the UL Classification Mark

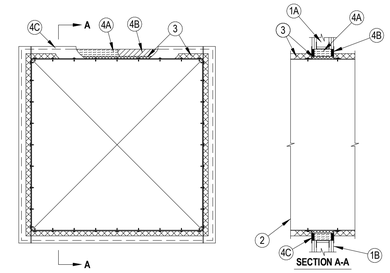
Hilti Firestop Systems

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

System No. W-L-7156

C US 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 fil 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 (13 to 25 mm)	Item 3A1	No

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

UL DETAILS

G401

9/18/2026 10:34:58 AM

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

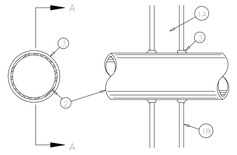
Gypsum Wall and Ceiling Assemblies
Gypsum Association
1800 North Highland Avenue, Suite 210
Hollywood, California 90028

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. W-1001
(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 hr. 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:

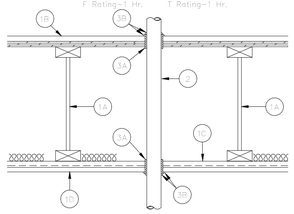
Max Pipe or Conduit Diam, in	Annular Space, in	F Rating Hr.	T Rating Hr.
1	0 to 3/16	1 or 2	0+, 1 or 2
1	1/4 to 1/2	3 or 4	3 or 4
4	0 to 1/4	1 or 2	0
6	1/4 to 1/2	3 or 4	0
12	3/16 to 3/8	1 or 2	0

+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–0 and 1 Hr.

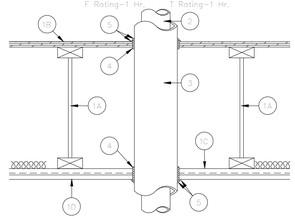


1. Floor Assembly–The fire rated wood truss or combination wood and steel truss Floor–Ceiling assembly shall be constructed of the materials and in the manner described in the individual L500 Series Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. 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 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 5 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 closed (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 firestop system. Pipe to be rigidly supported on both sides of Floor–Ceiling assembly.
3. Firestop System –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), 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.

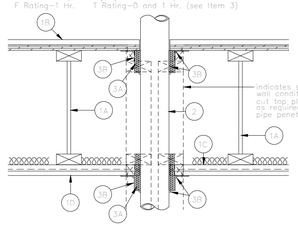


1. Floor Assembly–The fire rated wood truss or combination wood and steel truss Floor–Ceiling assembly shall be constructed of the materials and in the manner described in the individual L500 Series Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Trusses–Min 12 in. deep parallel chord trusses fabricated from 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*. 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–Material (BRGU) 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 Flome Spread Index of 25 or less and a Smoke Developed Index of 50 or less may by used.
   3A. Tube Insulation–Plastics+–As an alternate to the glass fiber pipe covering (item 3), nom 1/2 to 2 of 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

System No. FC2009
(Formerly System No. 451)
(STUD WALLS SIMILAR)
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 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 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 closed (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

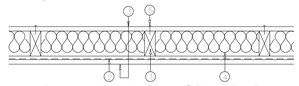
The details of the firestop system shall be as follows:
   A. Fill, Void or Cavity Materials*–Wrap Strip–Nom 1/4 in. thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. wide strips. Nom 2 in. wide strip tightly–wrapped around nonmetallic pipe (foil side exposed) 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) steel sheet 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 con–junction 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 — Sound Rating STC–50 to 54
Bearing Wall Rating–1 Hr. — GA File No.–WP 3230 (+)
Finish Rating–23 Min. — Thickness–5 3/8"
Fire Test–UL R1319–93,94,129 — Approx. Weight–7psf
Design U-311,8–15–66 — Sound Test–BBN 760903,9–17–66
ULC Design U311

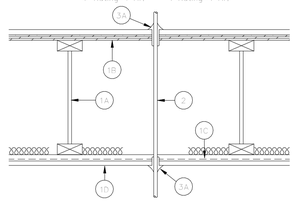


1. Wood Studs–Nom. 2 by 4 in., spaced 16" O.C., at First Floor. Effectively crossbraced.
2. Furring Channel–Resilient, 25 MSG galv. steel. Furring channels spaced vertically 24 in. O.C. flange portion screw attached to one side of studs with 1–1/4 in. long diamond–shaped point, double lead Phillips head 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.



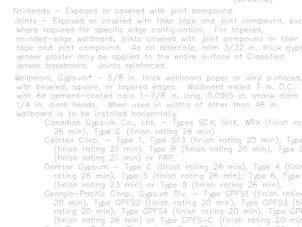
1. Floor Assembly–The fire rated wood truss or combination wood and steel truss Floor–Ceiling assembly shall be constructed of the materials and in the manner described in the individual L500 Series Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. 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 Floor Topping Mixture*. Diam of opening hole–sawed in flooring to be 1 in. perpendicular to bottom chord of trusses.
   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 to 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 20 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 26 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

1 HOUR FIRE
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 2x8 NOT APPROVED, THEN 2x10's MUST BE USED.

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

UL DETAILS

G402

9/18/2026 10:34:59 AM

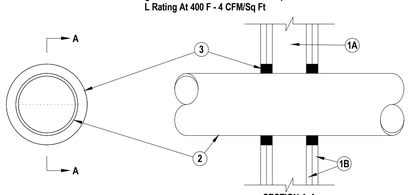
THESE DRAWINGS ARE THE COPYRIGHT OF OLIVE ARCHITECTURE PLLC. THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE PROJECT DESCRIBED IN THE ADDRESS BAR. THEY ARE NOT SUITABLE FOR USE ON OTHER LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. REPRODUCTION IS PROHIBITED. IF SIGNATURE ON COVER SHEET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

System No. W-L-1054

C US

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

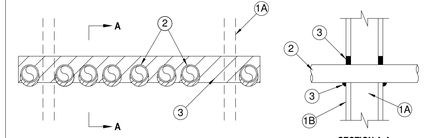
Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. December 4, 2002

System No. W-L-1389

C US

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

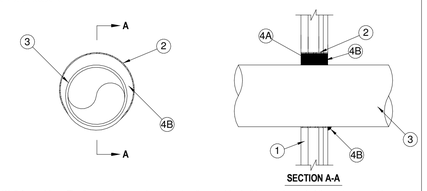
Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. September 05, 2006

System No. W-L-1206

C US

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

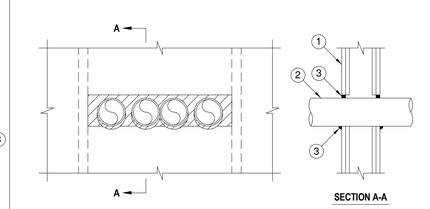
Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. August 31, 2005

System No. W-L-1408

C US

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.)*

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.
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

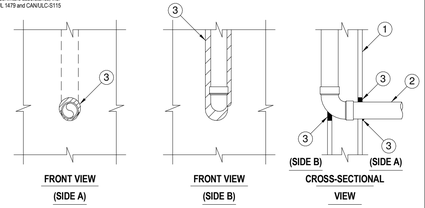
G403

9/19/2026 10:35:00 AM

System No. W-L-1412

F Rating — 1 Hr
T Rating — 0 Hr

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



FRONT VIEW (SIDE A) | FRONT VIEW (SIDE B) | CROSS-SECTIONAL VIEW (SIDE B) (SIDE A)

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

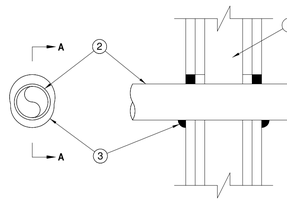
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
May 24, 2007

System No. W-L-2244

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

Classified by Underwriters Laboratories, Inc. to UL 1479



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 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 by 1-3/8 in. (35 mm) deep channels 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

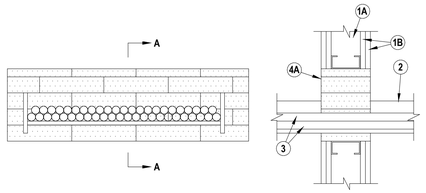
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
April 11, 2005

System No. W-L-4011

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

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



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 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 cm) 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 0.10 in. (2.54 mm) thick aluminum or 0.060 in. (1.54 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 0.09 in. (0.74 mm) thick steel solid back, respectively. The annular space between the cable tray and the periphery of the opening shall be min 0 in. (point contact) to max 4 in. (102 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 45 percent of the cross-sectional area of the cable tray based on a max 5 in. (127 mm) cable loading depth. Any combination of the following types and sizes of copper conductor cables may be used:
   A. 1/C, 750 kcmil (or smaller) power cable with EPR insulation and PVC jacket.
   B. 300 pair — No. 24 AWG cable with PVC insulation and jacket
   C. Twenty-four fiberoptic cable with PVC subunit and jacket,
   D. Max three 1/C, No. 12 AWG wire, insulated with polyvinyl chloride, in a nom 3/4 in. (19 mm) Flexible Metal Conduit+,
4. 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 in. (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 firmly packed within 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

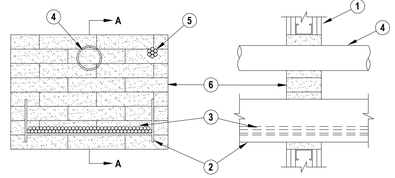
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
December 13, 2011

System No. W-L-8013

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

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



SECTION A-A

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

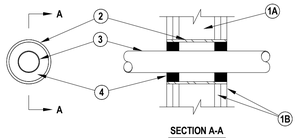
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
January 13, 2012

System No. W-L-2075

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

Underwriters Laboratories, Inc. to UL 1479



SECTION A-A

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

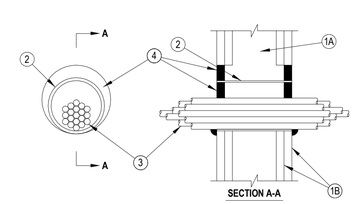
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
January 9, 2003

System No. W-L-3065

F Ratings — 1 and 2 Hr (See Item 1)
T Rating — 0 and ¾ Hr (See Item 3)

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



SECTION A-A

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
*Bearing the UL Classification Mark

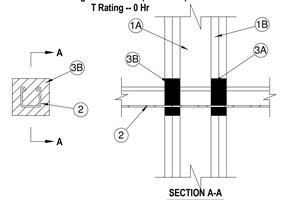
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.
March 15, 2012

System No. W-L-7130

F Ratings – 1 and 2 Hr (See Item 1)
T Rating -- 0 Hr

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



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 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 CHEMICALS, 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 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

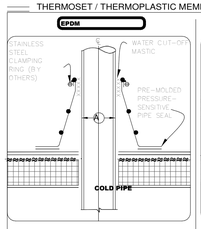
G404

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

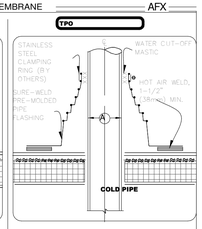
EPDM



DIMENSIONS	in	mm
A	1/2"	13
	6"	152

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.

TPO



DIMENSIONS	in	mm
A	1/4"	6
	4"	103

NOTES:
1. REMOVE ALL LEAD AND OTHER FLASHING BEFORE INSTALLING FIELD FABRICATED PIPE SEAL.
2. TEMPERATURE OF PIPE MUST NOT EXCEED 160° F (71° C).
3. PIPE SEAL MUST HAVE INTACT RIB AT TOP EDGE, REGARDLESS OF PIPE DIAMETER.
4. DECK FLANGES OF THE PRE-MOLDED PIPE SEAL SHALL NOT BE OVERLAPPED, CUT OR APPLIED OVER ANY ANGLE CHANGE.

AFX MEMBRANE
ASPHALT COLD APPLIED
APPROVED SUBSTRATE
0 SEE NOTE(S)

PRE-MOLDED PIPE SEALS
For additional information, refer to Specifications

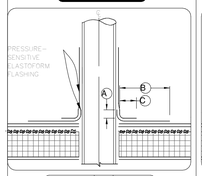
DETAIL NO. AFX-8A
AFX ADHERED

© 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.

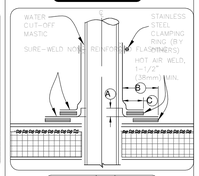
EPDM



DIMENSIONS	in	mm	
A	1/2"	13	MIN.
B	3"	76	MIN.
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.

TPO



DIMENSIONS	in	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 160° F (71° C).
3. APPLY HEAT TO FLASHING AND FORM BY HAND PRIOR TO HOT AIR WELDING.
4. MECHANICAL SECUREMENT IS REQUIRED AROUND ALL PIPES GREATER THAN 18" (457mm) IN DIAMETER.
5. REFER TO THERMOPLASTIC UNIVERSAL DETAILS FOR HOT STACK, STEEL TUBING & FLEXIBLE PIPE PENETRATIONS.

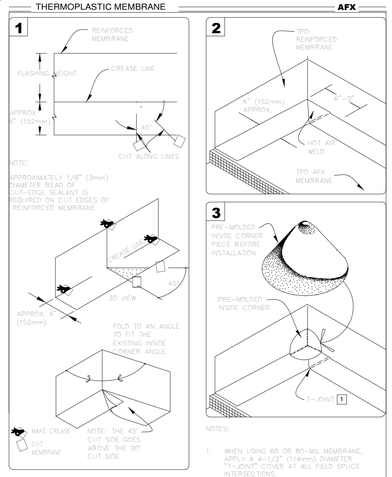
AFX MEMBRANE
ASPHALT COLD APPLIED
APPROVED SUBSTRATE
0 SEE NOTE(S)

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.

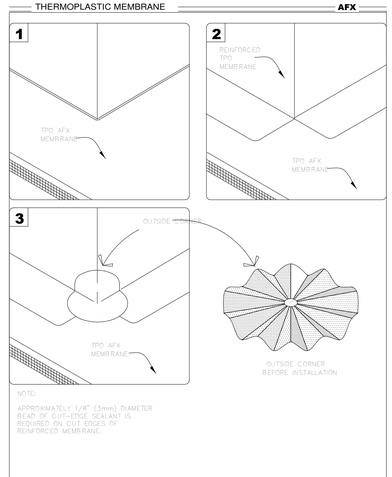
AFX MEMBRANE
ASPHALT/COLD APPLIED
APPROVED SUBSTRATE
0 SEE NOTE(S)

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: APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED MEMBRANE.

AFX MEMBRANE
ASPHALT/COLD APPLIED
APPROVED SUBSTRATE
0 SEE NOTE(S)

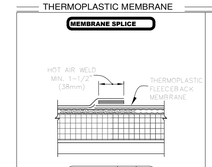
TPO PRE-MOLDED OUTSIDE CORNER
For additional information, refer to Specifications

DETAIL NO. AFX-15D
AFX ADHERED

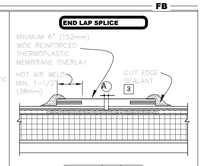
© 2012 Carlisle SynTec a division of Carlisle Construction Materials Incorporated

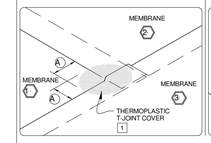
THERMOPLASTIC MEMBRANE — FB

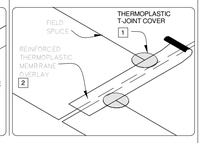
MEMBRANE SPLICE



END LAP SPLICE







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.

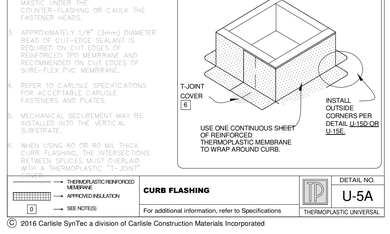
FleeceBACK MEMBRANE
FAST ADHESIVE/40-MIL/48-MIL
APPROVED SUBSTRATE
0 SEE NOTE(S)

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.

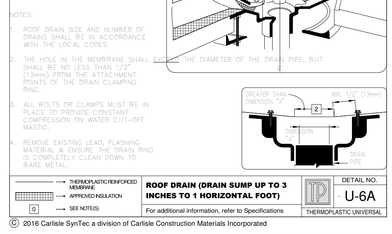
TPO MEMBRANE
APPROVED SUBSTRATE
0 SEE NOTE(S)

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.

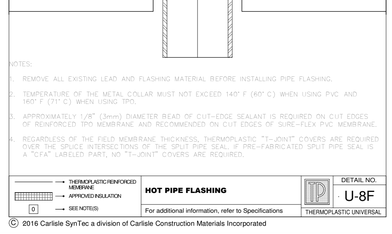
MEMBRANE ATTACHMENT

HIGH DENSITY RECOVER BOARD
IN-FILL INSULATION
ROOF MEMBRANE
WOOD NAILER (BY OTHERS)
0 SEE DRAWING NOTE(S)

SHEET NO. MR T2.1

© 2013 Carlisle SynTec a division of Carlisle Construction Materials Incorporated

THERMOPLASTIC MEMBRANE — PVC/TPO



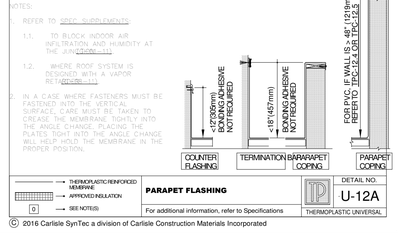
THERMOPLASTIC REINFORCED MEMBRANE
APPROVED INSULATION
0 SEE NOTE(S)

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
0 SEE NOTE(S)

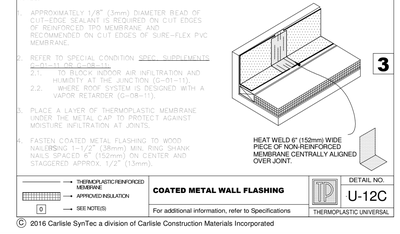
DECK-TO-DECK EXPANSION DETAIL
For additional information, refer to Specifications

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
0 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
0 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 NOT 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 & MODIFY THE DRAIN RING IS COMPLETELY CLEAN DOWN TO BARE METAL.

THERMOPLASTIC REINFORCED MEMBRANE
APPROVED INSULATION
0 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
0 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.

NOTES:
1. REFER TO SPEC SUPPLEMENTS:
1.1. TO BLOCK INDOOR AIR INFILTRATION AND HUMIDITY AT THE JUNCTION (G-01-11).
1.2. WHERE ROOF SYSTEM IS DESIGNED WITH A VAPOR RETARDER (G-08-11).
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
0 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-01-11).
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/SOLID 1-1/2" (38mm) MIN. RING SHANK NAILS SPACED 6" (152mm) ON CENTER AND STAGGERED APPROX. 1/2" (13mm).

THERMOPLASTIC REINFORCED MEMBRANE
APPROVED INSULATION
0 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 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

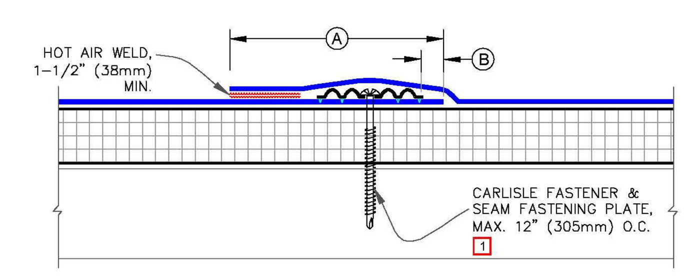
drawn by: MLA
checked by: FTM
project no: 25-104

TPO ROOFING DETAILS

G411

9/18/2026 10:35:03 AM

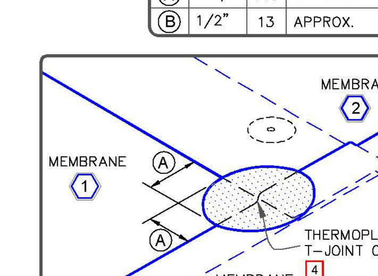
THERMOPLASTIC MEMBRANE — PVC/TPO



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.



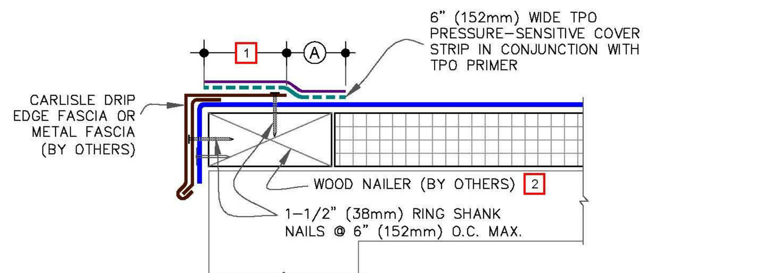
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — 0 SEE NOTE(S)

MECHANICALLY FASTENED MEMBRANE SPLICE — For additional information, refer to Specifications — DETAIL NO. MF-2A — THERMOPLASTIC UNIVERSAL

(c) 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-1B, U-1C, U-1D, U-1E OR U-1F.

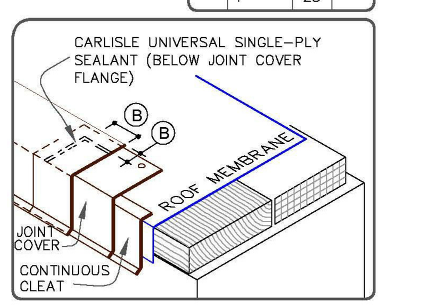


TPO ONLY (NOT FOR PVC)

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	

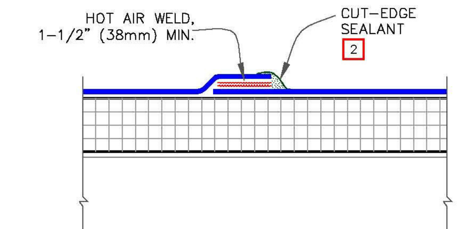


TPO MEMBRANE — APPROVED SUBSTRATE — 0 SEE NOTE(S)

SecurSeal DRIP EDGE FASCIA — For additional information, refer to Specifications — DETAIL NO. U-1A — THERMOPLASTIC TPO

(c) 2012 Carlisle SynTec, a division OF Carlisle Construction Materials Incorporated SHEET 06

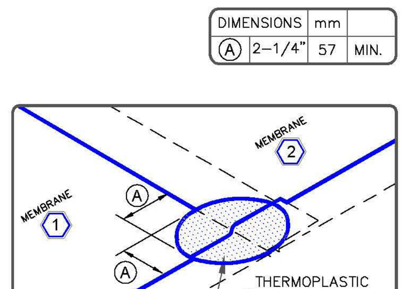
THERMOPLASTIC MEMBRANE — PVC/TPO



DIMENSIONS		mm	
(A)	2-1/4"	57	MIN.

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.

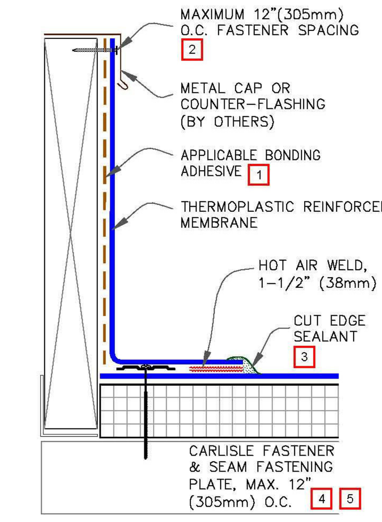


THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — 0 SEE NOTE(S)

MEMBRANE SPLICE — For additional information, refer to Specifications — DETAIL NO. U-2 — THERMOPLASTIC UNIVERSAL

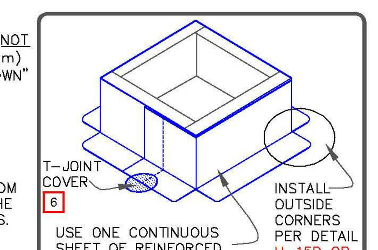
(c) 2012 Carlisle SynTec, a division OF Carlisle Construction Materials Incorporated SHEET 12

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.

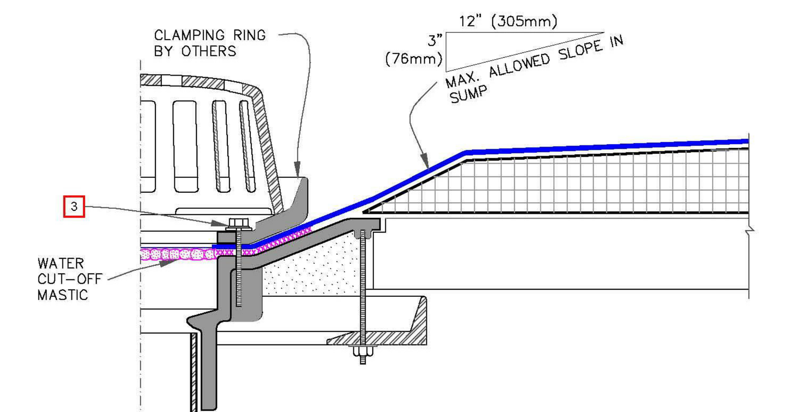


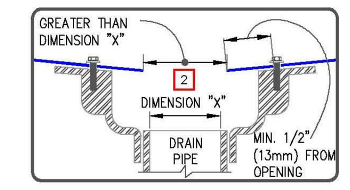
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — 0 SEE NOTE(S)

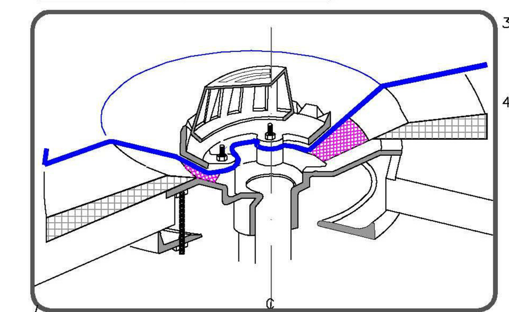
CURB FLASHING — For additional information, refer to Specifications — DETAIL NO. U-5A — THERMOPLASTIC UNIVERSAL

(c) 2012 Carlisle SynTec, a division OF Carlisle Construction Materials Incorporated SHEET 15

THERMOPLASTIC MEMBRANE — PVC/TPO







NOTES:

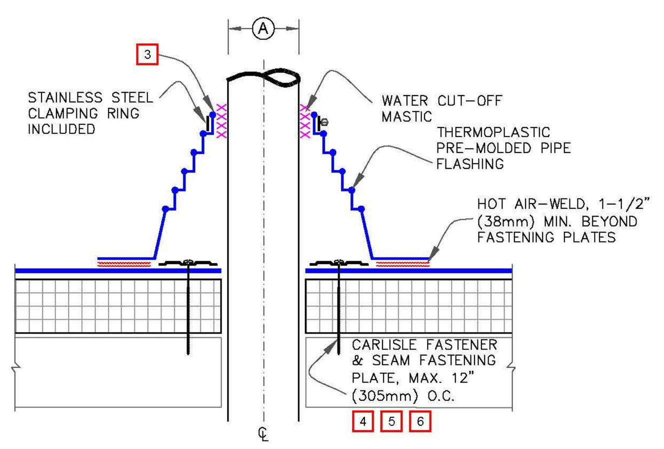
1. ROOF DRAIN SIZE AND NUMBER OF DRAINS SHALL BE IN ACCORDANCE WITH THE LOCAL CODES.
2. THE HOLE IN THE MEMBRANE SHALL EXCEED THE DIAMETER OF THE DRAIN PIPE, BUT SHALL BE NO LESS THAN 1/2" (13mm) FROM THE ATTACHMENT POINTS OF THE DRAIN CLAMPING RING.
3. ALL BOLTS OR CLAMPS MUST BE IN PLACE TO PROVIDE 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 — 0 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

(c) 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.

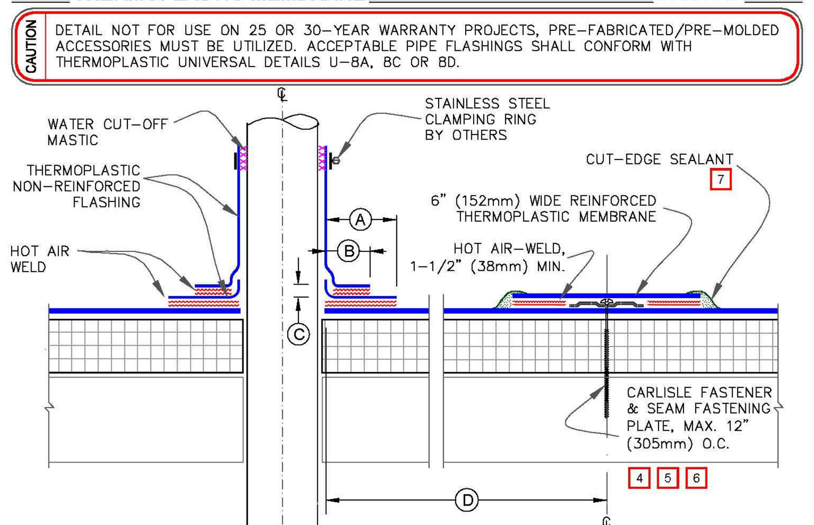
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — 0 SEE NOTE(S)

PRE-MOLDED PIPE FLASHING — For additional information, refer to Specifications — DETAIL NO. U-8A — THERMOPLASTIC UNIVERSAL

(c) 2012 Carlisle SynTec, a division OF Carlisle Construction Materials Incorporated SHEET 22

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.

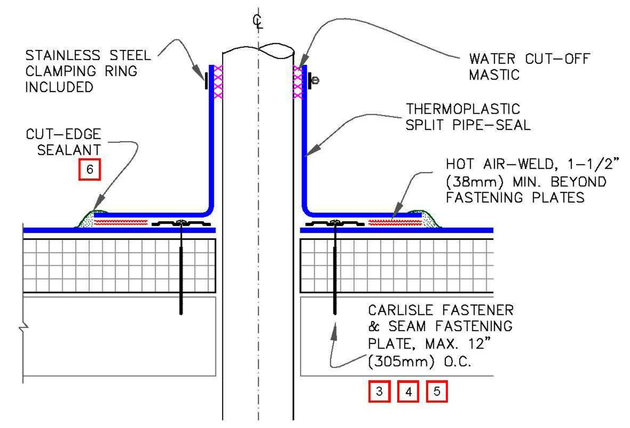
DIMENSIONS		mm	
(A)	1-1/2"	38	TO
	2"	51	
(B)	1"	25	MIN.
(C)	1/2"	13	MIN.
(D)	12"	305	APPROX.

THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — 0 SEE NOTE(S)

FIELD FABRICATED PIPE FLASHING — For additional information, refer to Specifications — DETAIL NO. U-8B — THERMOPLASTIC UNIVERSAL

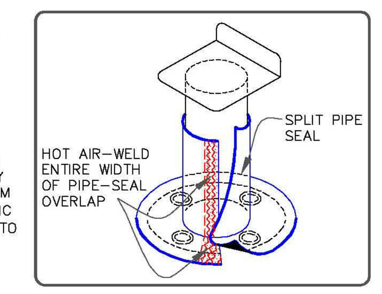
(c) 2012 Carlisle SynTec, a division OF Carlisle Construction Materials Incorporated SHEET 23

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.



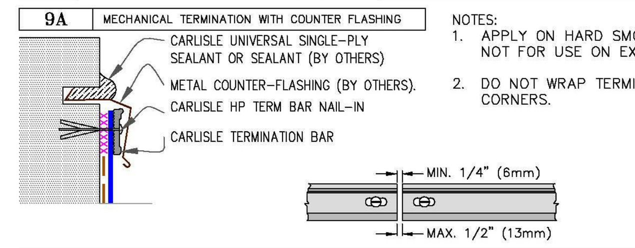
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — 0 SEE NOTE(S)

PRE-FABRICATED SPLIT PIPE SEAL — For additional information, refer to Specifications — DETAIL NO. U-8D — THERMOPLASTIC UNIVERSAL

(c) 2012 Carlisle SynTec, a division OF Carlisle Construction Materials Incorporated SHEET 25

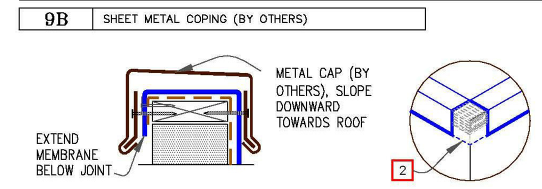
THERMOPLASTIC MEMBRANE — PVC/TPO

9A MECHANICAL TERMINATION WITH COUNTER FLASHING



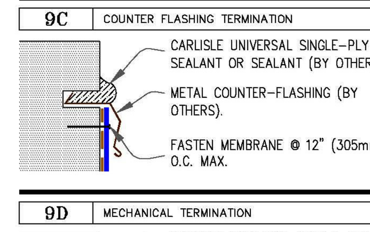
NOTES:
1. APPLY ON HARD SMOOTH SURFACE ONLY; NOT FOR USE ON EXPOSED WOOD.
2. DO NOT WRAP TERMINATION BAR AROUND CORNERS.

9B SHEET METAL COPING (BY OTHERS)



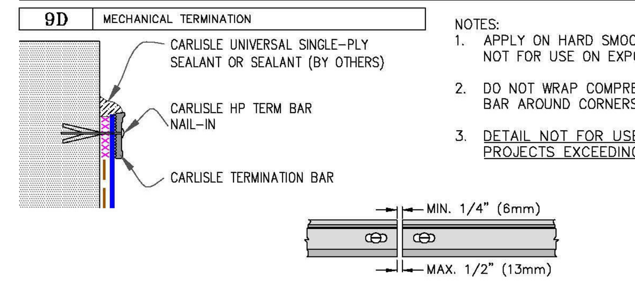
NOTES:
1. FOR CARLISLE SecurEdge COPING, REFER TO INSTALLATION INSTRUCTIONS PUBLISHED SEPARATELY.
2. MEMBRANE MUST BE EXTENDED TO CORNERS TO PROVIDE COMPLETE COVERAGE OF THE TOP WALL SURFACE.

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 — xxxxxxxx WATER CUT-OFF MASTIC- MUST BE HELD UNDER CONSTANT COMPRESSION.

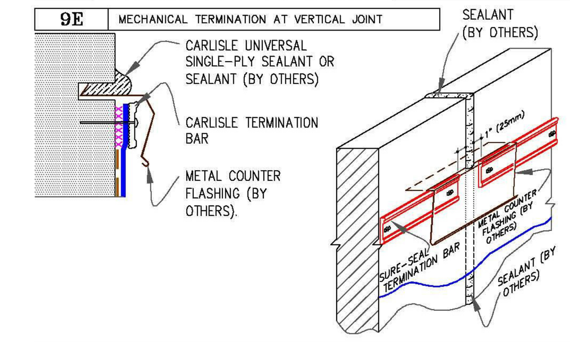
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — 0 SEE NOTE(S)

MEMBRANE TERMINATIONS PAGE 1 OF 2 — For additional information, refer to Specifications — DETAIL NO. U-9 — THERMOPLASTIC UNIVERSAL

(c) 2012 Carlisle SynTec, a division OF Carlisle Construction Materials Incorporated SHEET 27

THERMOPLASTIC MEMBRANE — PVC/TPO

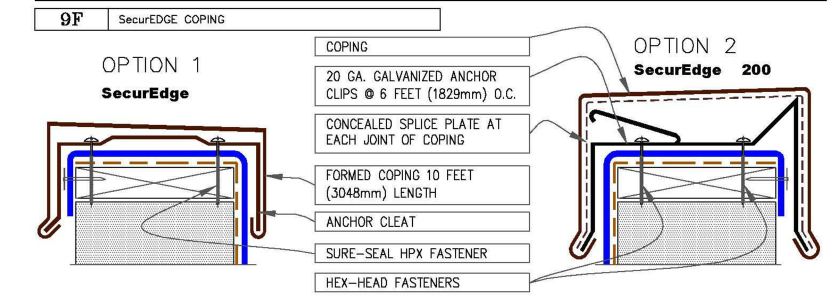
9E MECHANICAL TERMINATION AT VERTICAL JOINT



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.

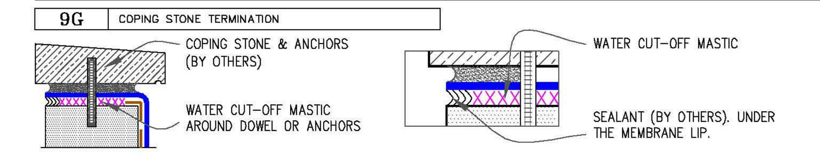
9F SecurEDGE COPING

OPTION 1 **SecurEdge** — OPTION 2 **SecurEdge 200**



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 — xxxxxxxx WATER CUT-OFF MASTIC- MUST BE HELD UNDER CONSTANT COMPRESSION.

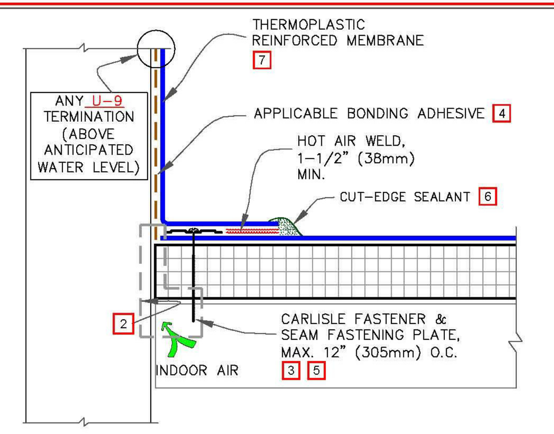
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — 0 SEE NOTE(S)

MEMBRANE TERMINATIONS PAGE 2 OF 2 — For additional information, refer to Specifications — DETAIL NO. U-9.1 — THERMOPLASTIC UNIVERSAL

(c) 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.

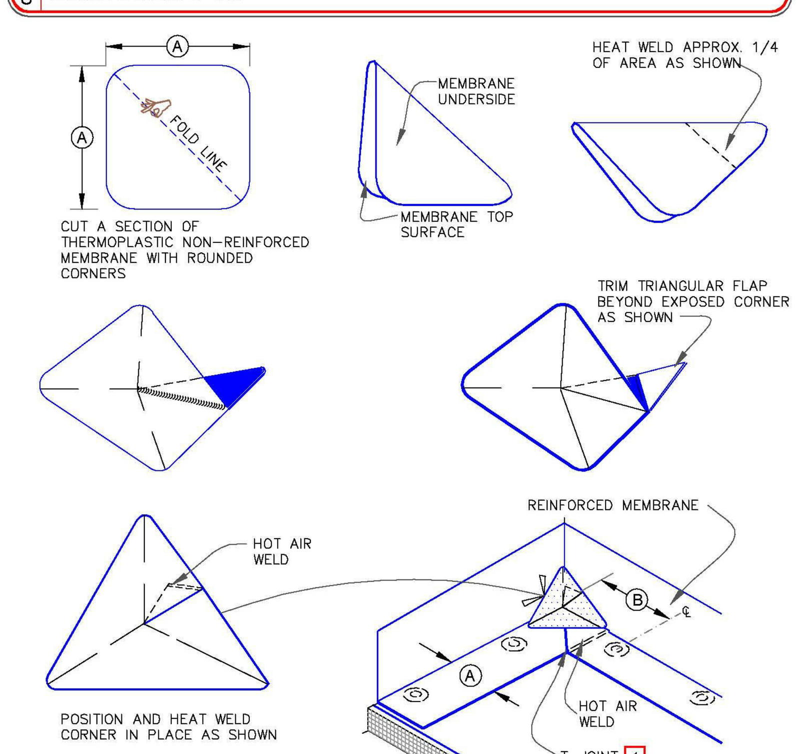
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — 0 SEE NOTE(S)

PARAPET FLASHING — For additional information, refer to Specifications — DETAIL NO. U-12A — THERMOPLASTIC UNIVERSAL

(c) 2012 Carlisle SynTec, a division OF Carlisle Construction Materials Incorporated SHEET 29

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.

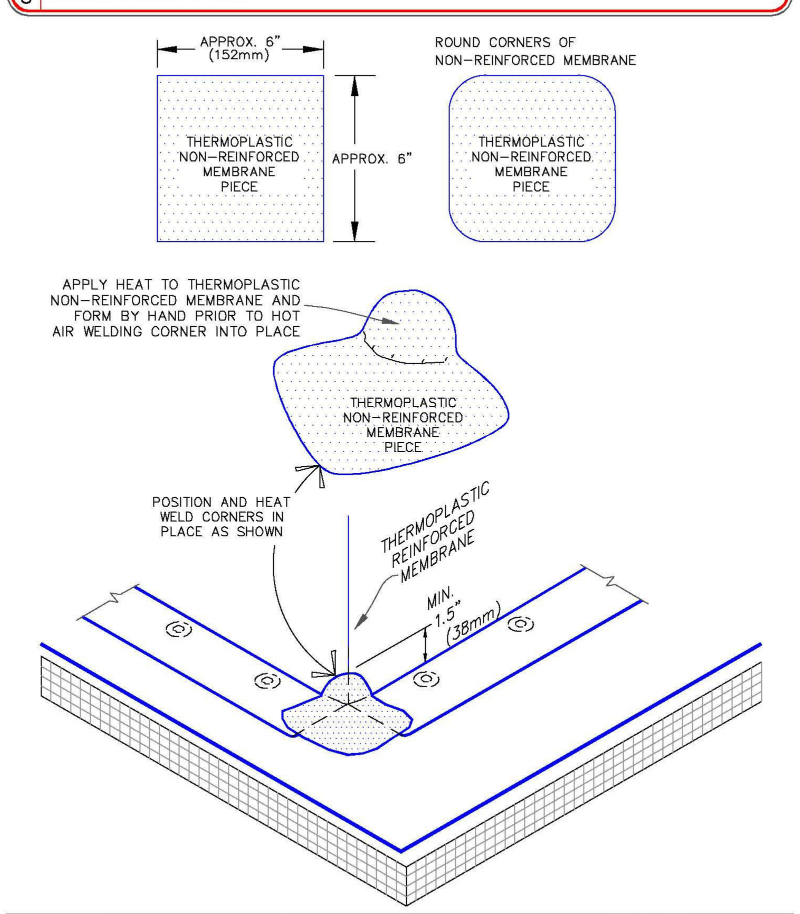
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — 0 SEE NOTE(S)

FIELD FABRICATED INSIDE CORNER FLASHING — For additional information, refer to Specifications — DETAIL NO. U-15B — THERMOPLASTIC UNIVERSAL

(c) 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.



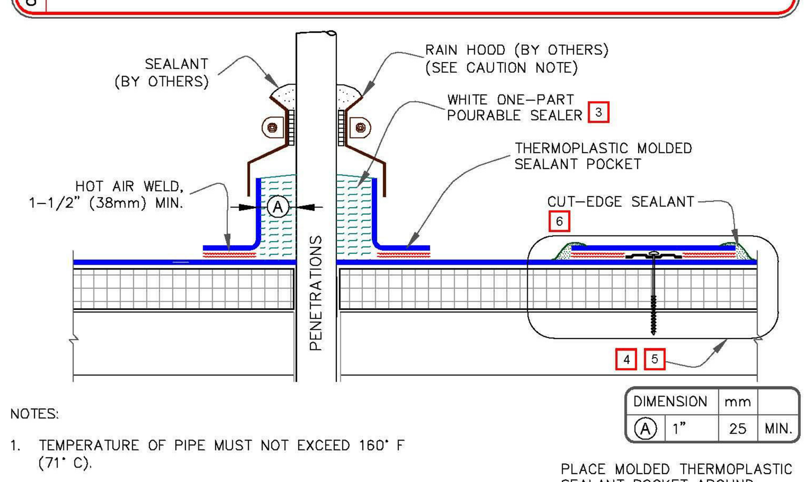
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — 0 SEE NOTE(S)

FIELD FABRICATED OUTSIDE CORNER FLASHING — For additional information, refer to Specifications — DETAIL NO. U-15E — THERMOPLASTIC UNIVERSAL

(c) 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.

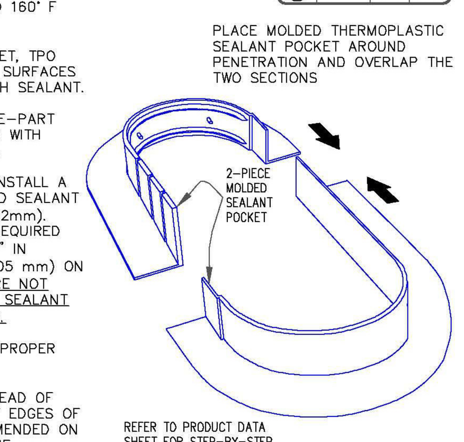


DIMENSION		mm	
(A)	1"	25	MIN.

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" (305 mm) 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.

PLACE MOLDED THERMOPLASTIC SEALANT POCKET AROUND PENETRATION AND OVERLAP THE TWO SECTIONS



REFER TO PRODUCT DATA SHEET FOR STEP-BY-STEP INSTALLATION PROCEDURES

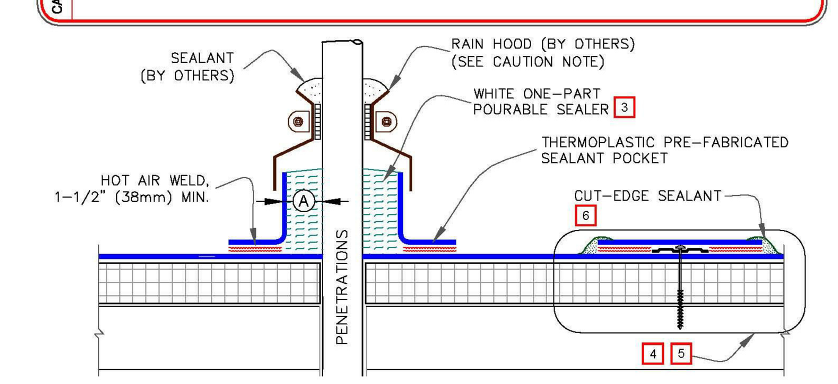
THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — 0 SEE NOTE(S)

MOLDED SEALANT POCKET — For additional information, refer to Specifications — DETAIL NO. U-16A — THERMOPLASTIC UNIVERSAL

(c) 2012 Carlisle SynTec, a division OF Carlisle Construction Materials Incorporated SHEET 48

THERMOPLASTIC MEMBRANE — PVC/TPO

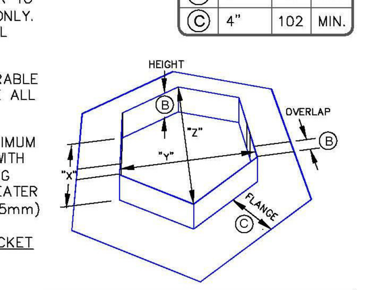
CAUTION: PRE-FABRICATED SEALANT POCKETS MUST BE USED IN CONJUNCTION WITH RAIN HOODS FOR PROJECTS WITH 25 AND 30-YEAR WARRANTIES.



NOTES:

1. TEMPERATURE OF PIPE MUST NOT EXCEED 160° F (71° C).
2. WHEN USING TPO SEALANT POCKET, APPLY TPO PRIMER TO THE TPO MEMBRANE AND PENETRATION(S) SURFACES ONLY. DO NOT APPLY TPO PRIMER TO THE GALVANIZED METAL SURFACE ON THE INSIDE OF THE SEALANT POCKET.
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.
7. CUSTOM SIZES ARE AVAILABLE FOR BOTH TPO AND PVC SEALANT POCKETS.

DIMENSIONS		mm	
(A)	1"	25	MIN.
(B)	2"	51	MIN.
(C)	4"	102	MIN.



POCKET SIZE	DIMENSIONS "X"	"Y"	"Z"
12"(305mm)	12"(305mm)	12"(305mm)	24"(607mm)

SEALANT POCKET EXTENSION LEGS CAN BE USED TO EXTEND THE LENGTH IN 10" (254mm) INCREMENTS. REFER TO PRODUCT DATA SHEET (PDS) FOR STEP-BY-STEP INSTALLATION PROCEDURES

THERMOPLASTIC REINFORCED MEMBRANE — APPROVED INSULATION — 0 SEE NOTE(S)

PRE-FABRICATED SEALANT POCKET — For additional information, refer to Specifications — DETAIL NO. U-16B — THERMOPLASTIC UNIVERSAL

(c) 2012 Carlisle SynTec, a division OF Carlisle Construction Materials Incorporated SHEET 49

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. — 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

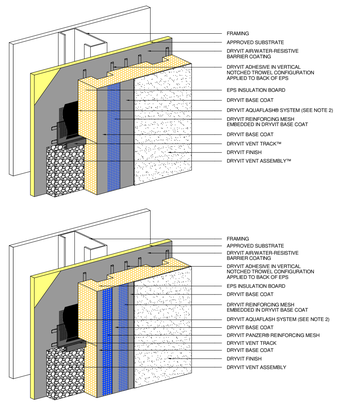
checked by: FTM

project no: 25-104

TPO ROOFING DETAILS

G412

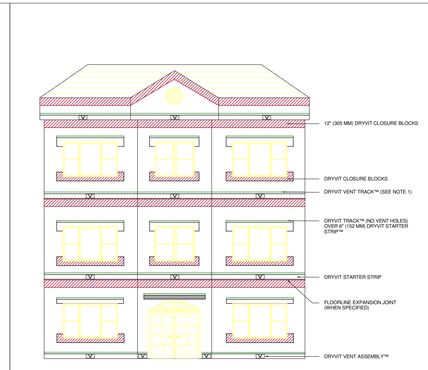
9/18/2026 10:35:08 AM



OMD 0.0.01 Outsulation MD System

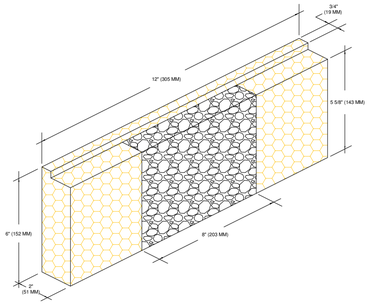
NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ OR DRYVIT BACKSTOP® NT™ TEXTURE OVER DRYVIT GRID TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.

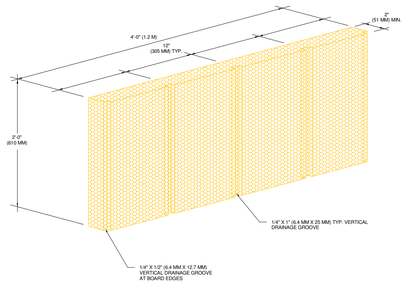


OMD 0.0.02 Building Facade

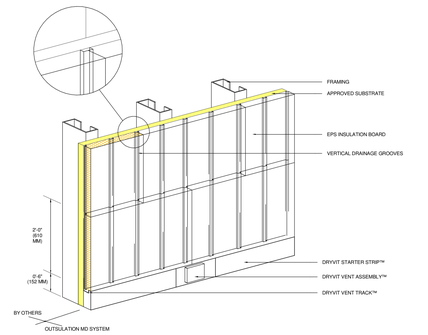
NOTE:
1. SLOT IN DRYVIT VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.



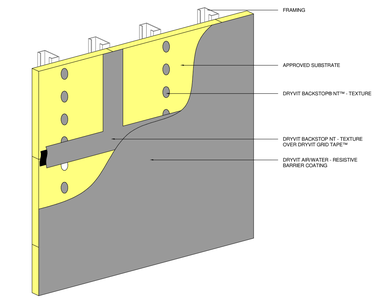
OMD 0.0.03 Dryvit Vent Assembly™

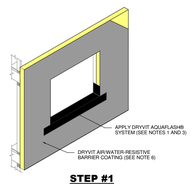


OMD 0.0.04 Insulation Board

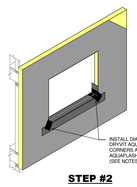


OMD 0.0.05 Insulation Board Layout

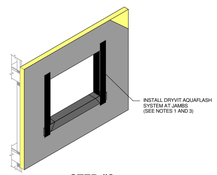




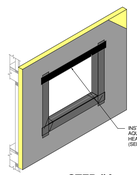
STEP #1



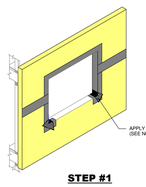
STEP #2



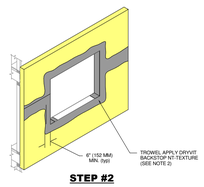
STEP #3



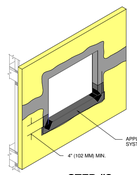
STEP #4



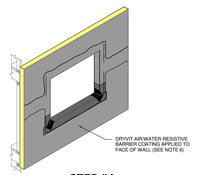
STEP #1



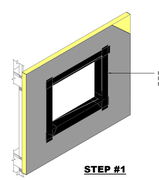
STEP #2



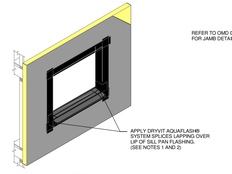
STEP #3



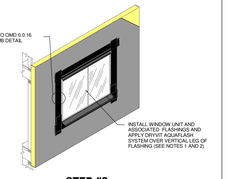
STEP #4



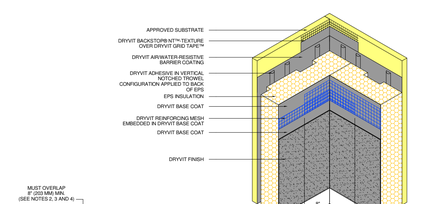
STEP #1



STEP #2



STEP #3



OMD 0.0.06 AWRB Application

NOTE:
1. FOR ADDITIONAL AIR/WATER- RESISTIVE BARRIER DETAILS, REFER TO DRYVIT PUBLICATION DSB40.

OMD 0.0.07 Opening Preparation - AquaFlash® System Option

NOTE:
1. DRYVIT AQUAFLASH SHALL EXTEND TO INTERIOR FACE OF OPENINGS.

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 DSB40.

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.

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 DSB40.

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 DSB40.

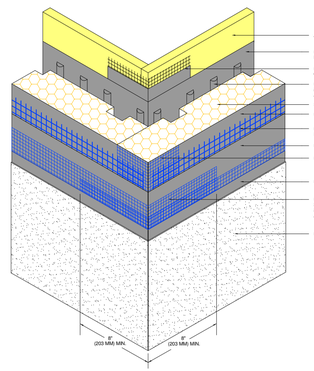
OMD 0.0.10 Inside/Outside Corners

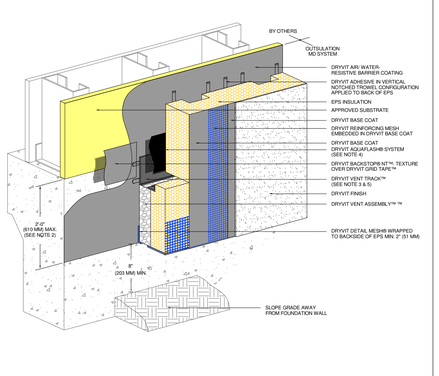
NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

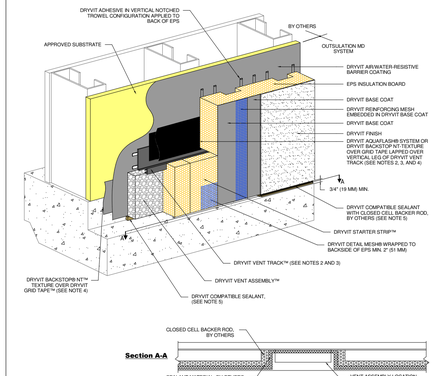
2. DOUBLE WRAP OUTSIDE CORNERS WITH REINFORCING MESH OR USE CORNER MESH™ IN

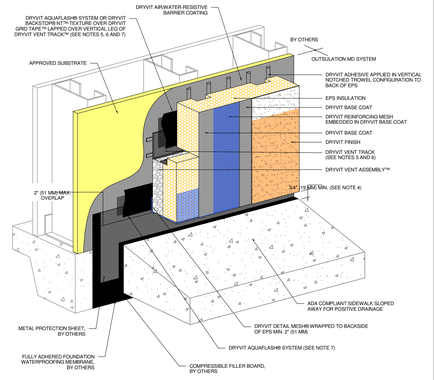
3. DO NOT LAP REINFORCING MESH WITHIN 8" (203 MM) OF A CORNER.

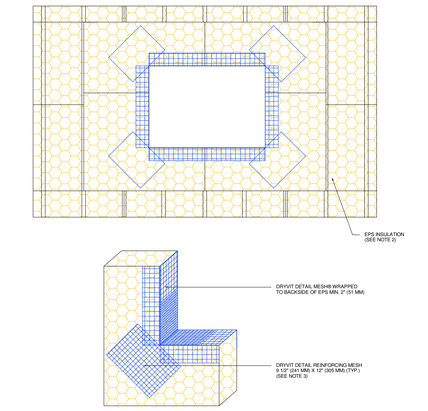
4. OUTSIDE INSULATION BOARD EDGES SHALL BE OFFSET.











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 PANZER® 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 PANZER® 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 PANZER® 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 PANZER® 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.

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 919.838.9915

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:

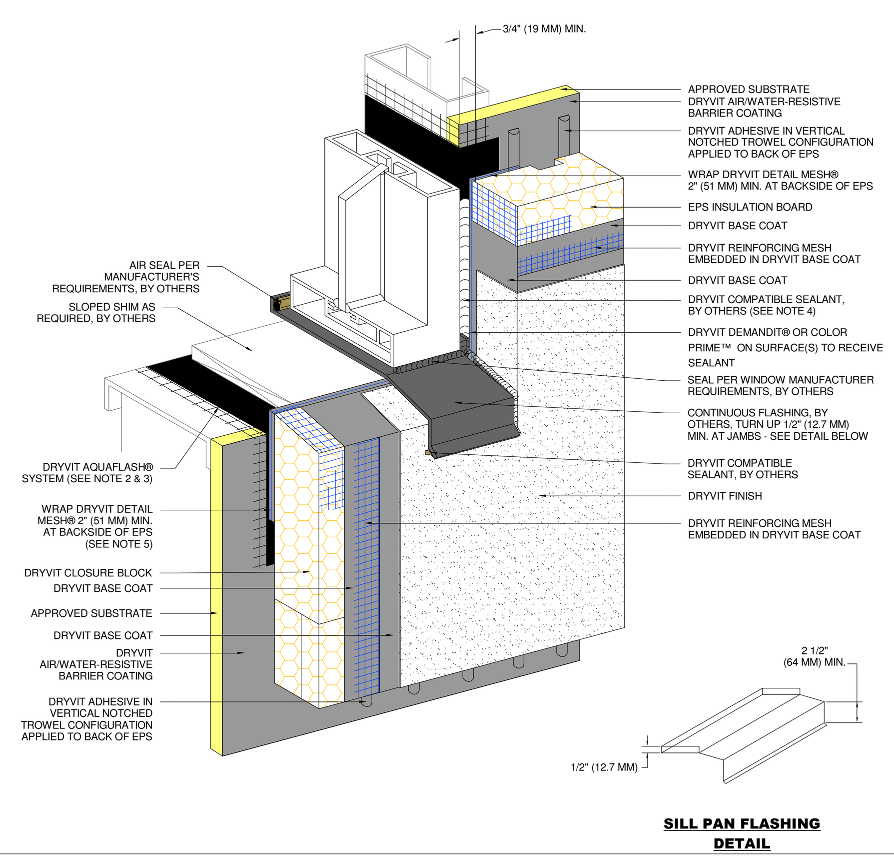
Revision	Date	Description

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

EIFS DETAILS

G413

9/18/2026 10:35:11 AM



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.

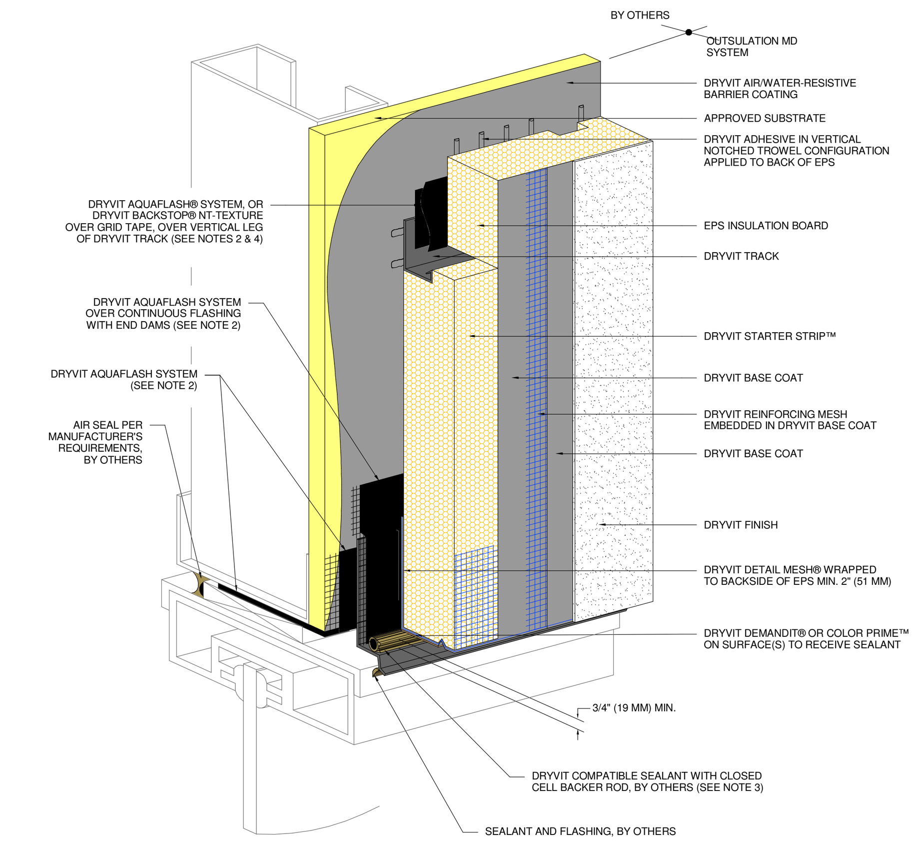
2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.

\N

3. [illegible] OMD 0.0.08.

4. 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.

5. 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

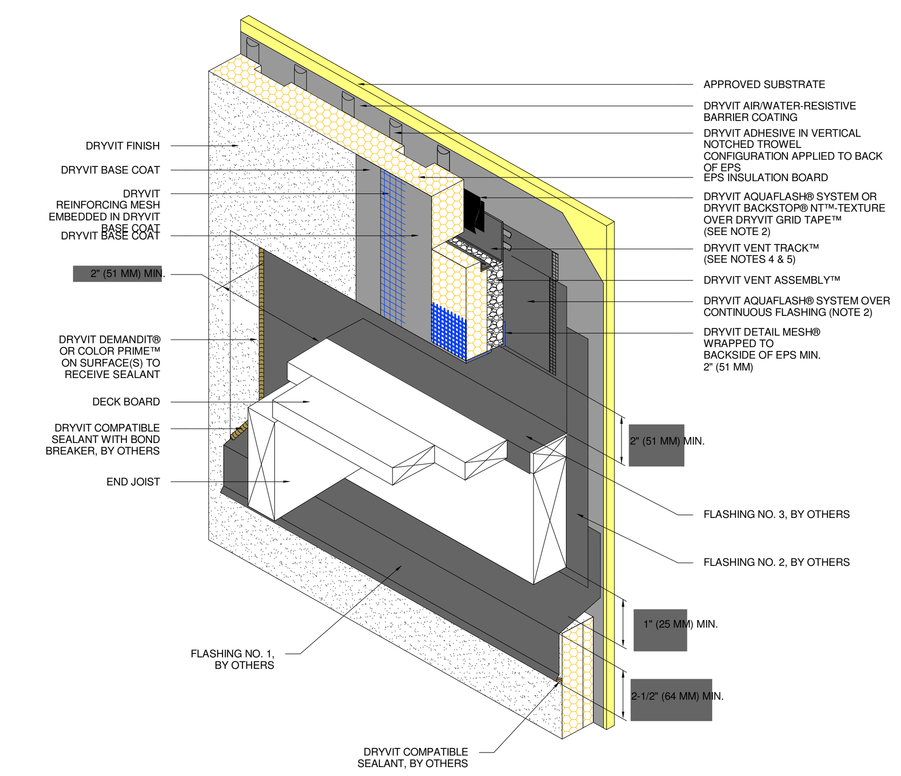
Storefront Window Head

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.
\N

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

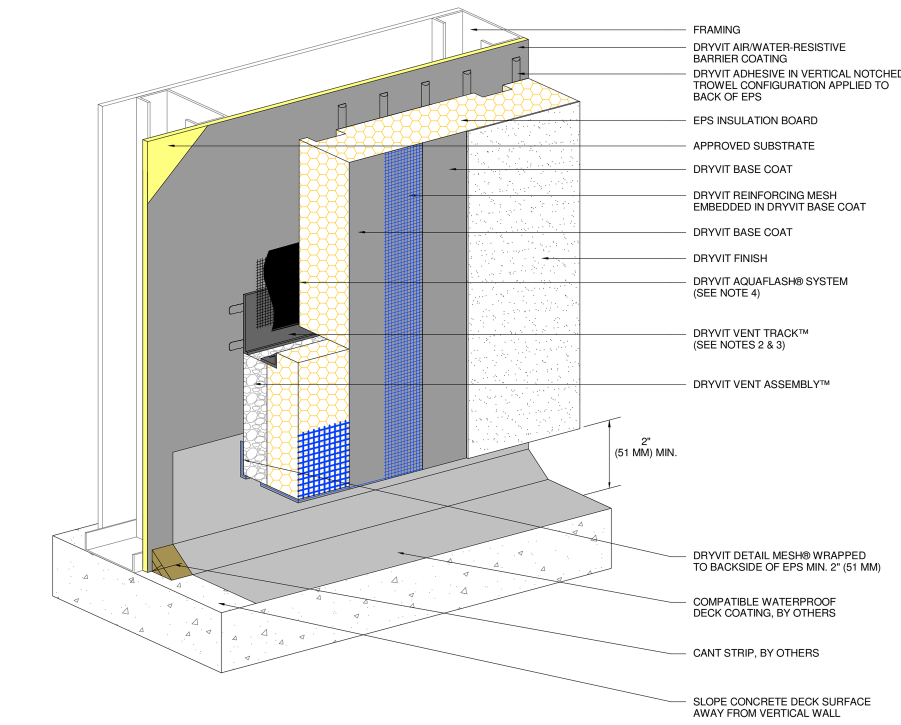
NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.
\N

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

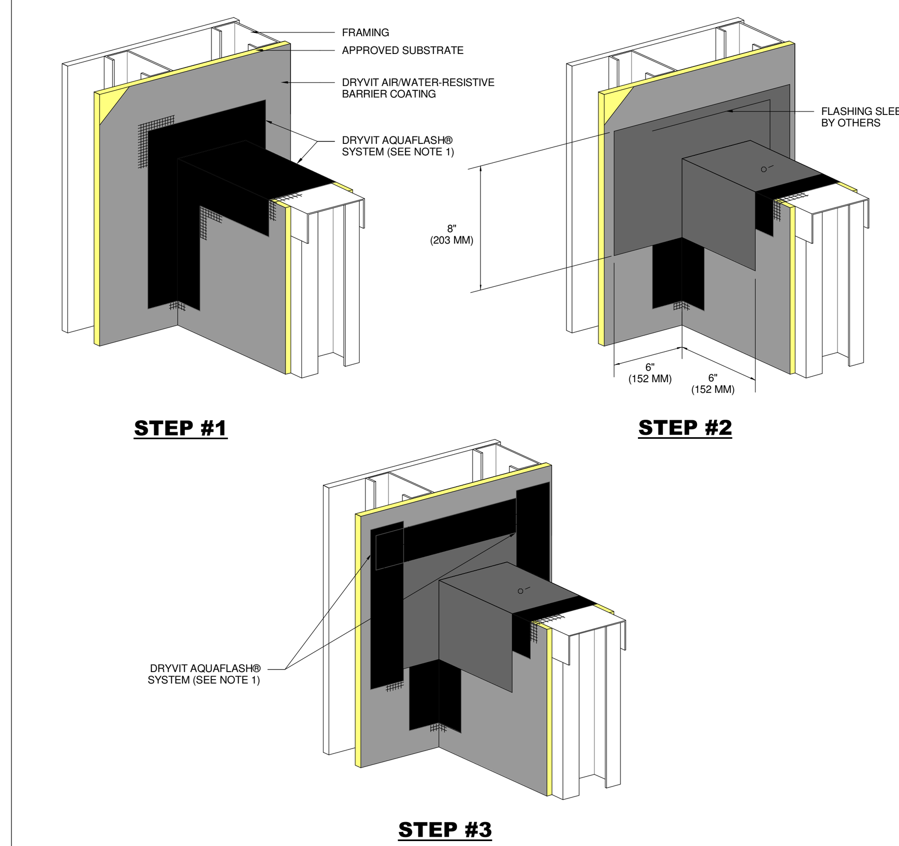
Termination at Waterproof Deck

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.
\N

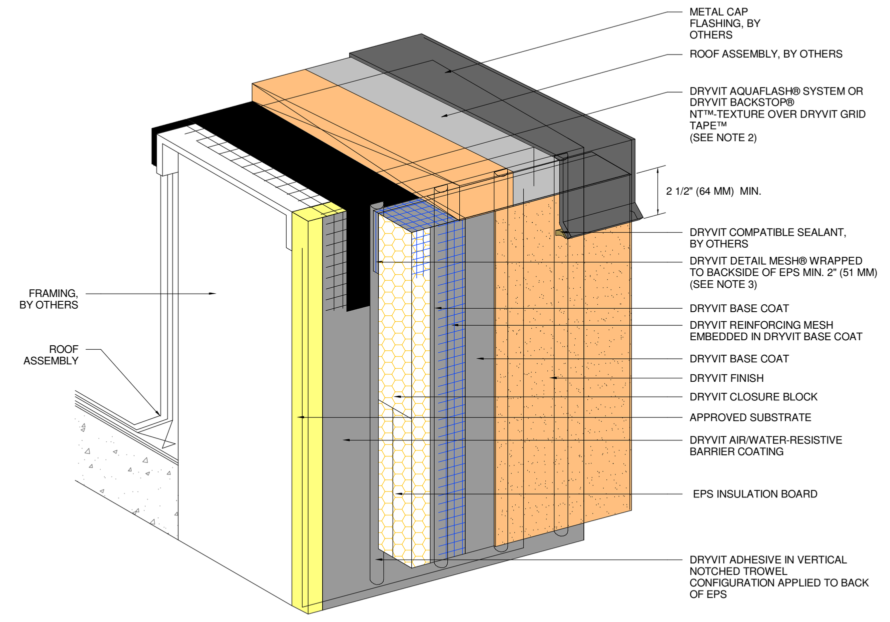
4. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™, OR DRYVIT BACKSTOP® NT™- TEXTURE OVER DRYVIT GRID TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.



OMD 0.0.20

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.



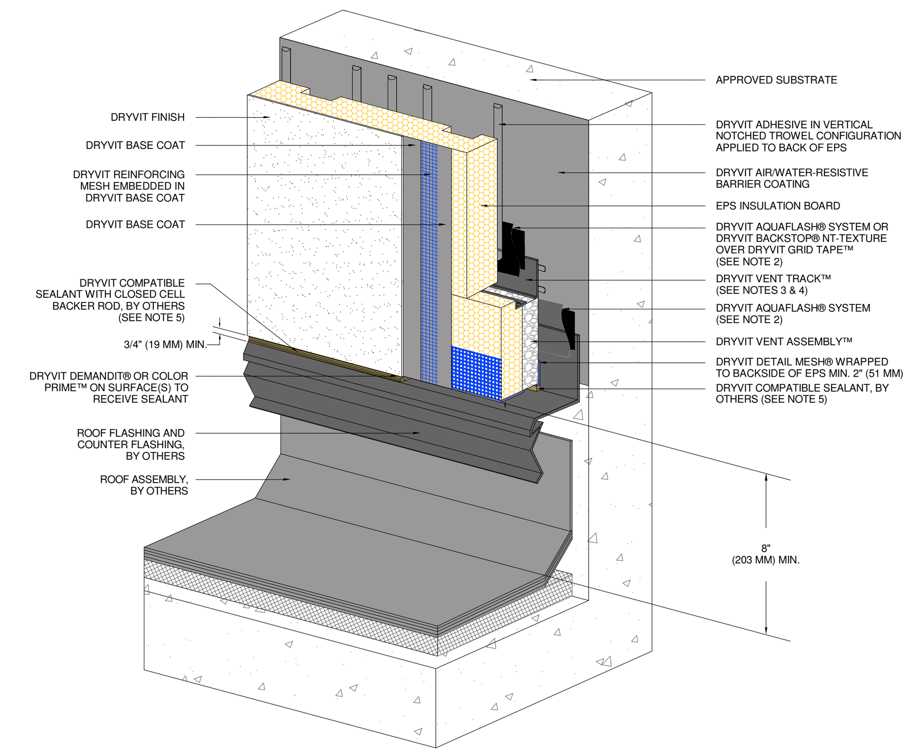
OMD 0.0.21

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 OR DRYVIT BACKSTOP NT-TEXTURE OVER GRID TAPE.

3. EDGE WRAPPING METHOD IS ACCEPTABLE IN LIEU OF BACK WRAPPING. DRYVIT REINFORCING MESH MUST BE FULLY EMBEDDED IN DRYVIT BASE COAT AT INSULATION BOARD EDGE AND EXTEND ONTO SUBSTRATE 2" (51 MM).



OMD 0.0.22

Termination At Flat Roof - Solid Substrate

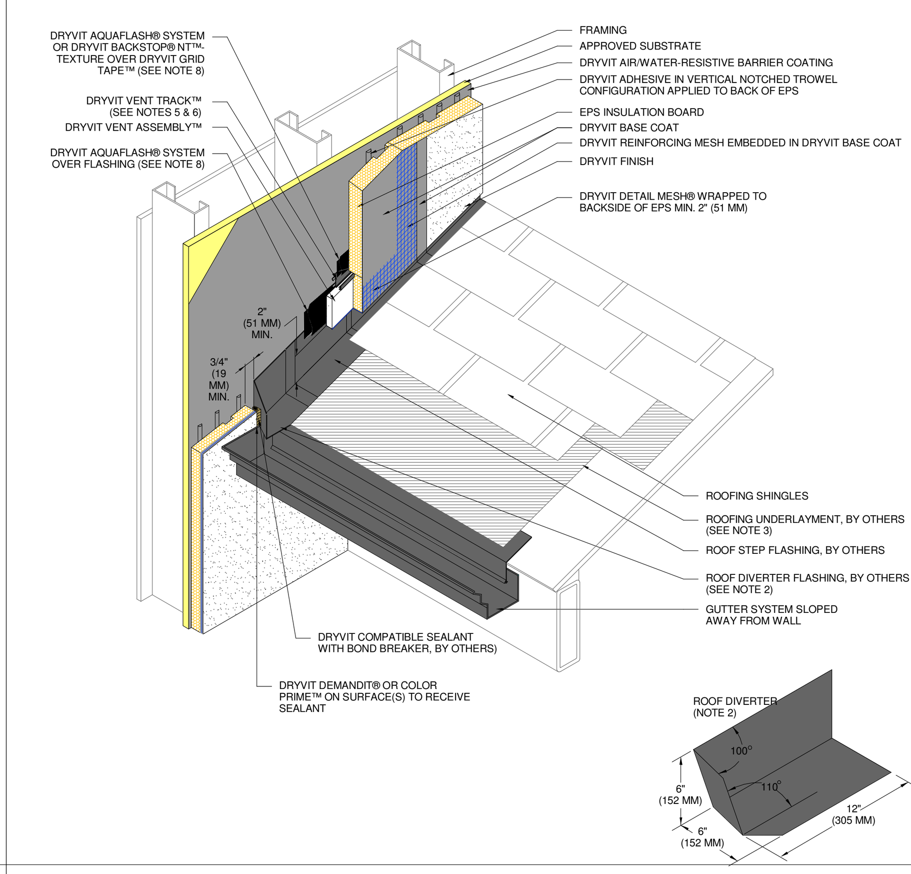
NOTE:
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.
\N

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.

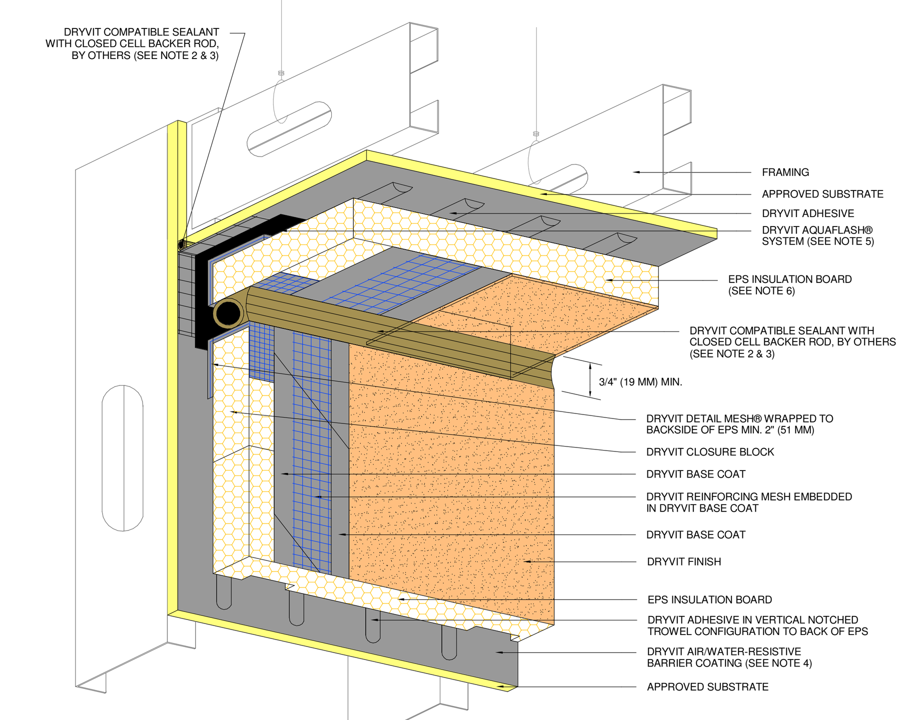
4. FOR ADDITIONAL SLOPED ROOF DETAILS, REFER TO DRYVIT PUBLICATION DS106.

5. SLOT IN DRYVIT VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.
\N

6. LIGHTLY SAND SURFACE OF DRYVIT VENT TRACK TO MAXIMIZE ADHESION.

7. METAL FLASHINGS ARE 10" (254 MM) X 2" (51 MM) LONGER THAN THE EXPOSED PORTION OF THE ROOFING SHINGLE AND ARE BENT IN HALF TO ALLOW FOR TWO 5" (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.

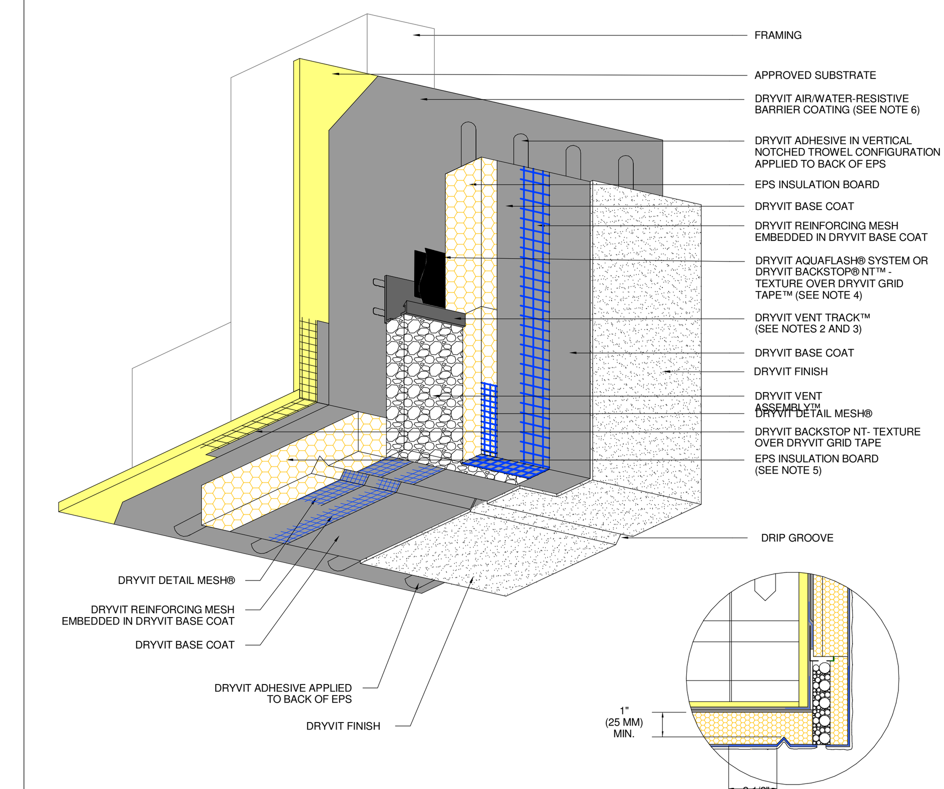
2. SEALANT JOINT IS REQUIRED FOR SUSPENDED SOFFITS. OPTIONAL FOR RIGIDLY FRAMED.

3. DRYVIT DEMANDIT® OR COLOR PRIME™ ON SURFACES TO RECEIVE SEALANT.
\N

4. DRYVIT AIR/WATER-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.

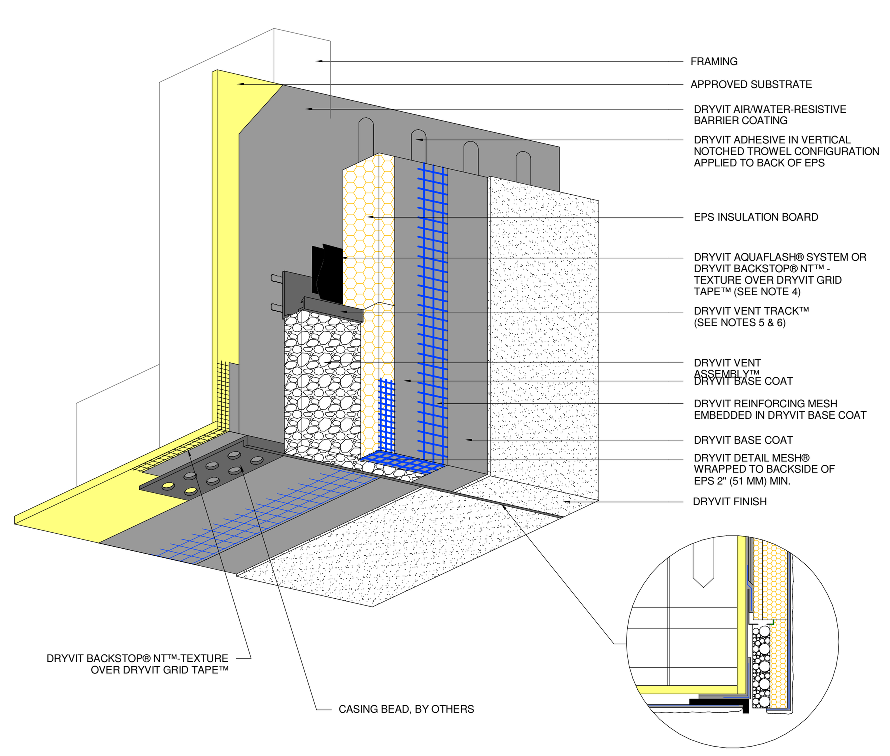
2. SLOT IN DRYVIT VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.

3. LIGHTLY SAND SURFACE OF DRYVIT VENT TRACK TO MAXIMIZE ADHESION.
\N

4. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF AQUAFLASH SYSTEM OR BACKSTOP NT™- TEXTURE OVER GRID TAPE.

5. GROOVED BOARD AND FLAT STOCK EPS ARE ACCEPTABLE FOR USE IN HORIZONTAL SOFFIT CONDITION.

6. DRYVIT AIR/WATER RESISTIVE BARRIER IS REQUIRED OVER VERTICAL SUBSTRATES. APPLICATION OVER HORIZONTAL SOFFIT SUBSTRATE IS OPTIONAL UNLESS REQUIRED AS PART OF A CONTINOUS AIR BARRIER SYSTEM.



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.

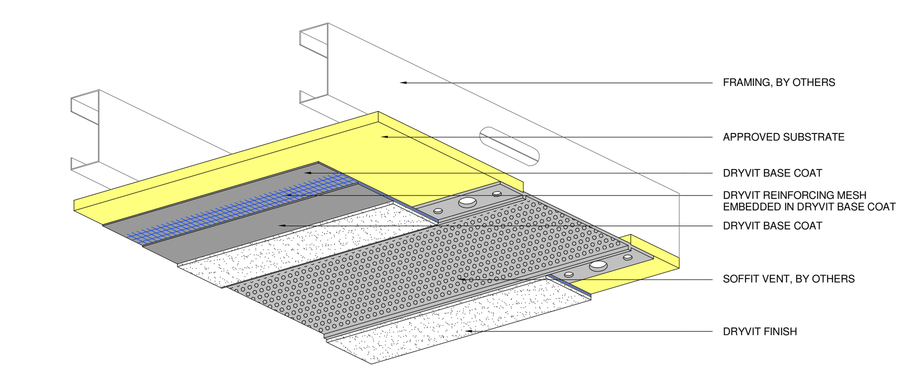
2. SOFFITS WITHOUT EPS INSULATION REQUIRE EXPANSION JOINTS EVERY
20 FT (6.1 M).

3. REFER TO DRYVIT PUBLICATION DS173 FOR SPECIFIC REQUIREMENTS FOR SOFFIT AREAS.
\N

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

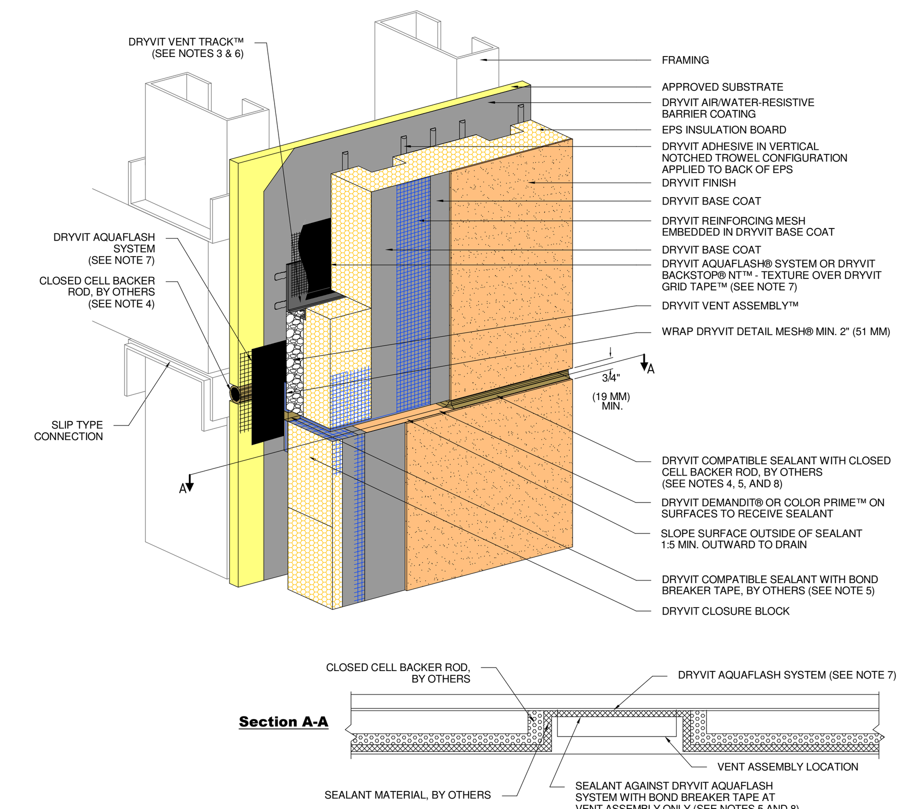
Termination at Uninsulated Soffit Vent

NOTE:
1. CONTROL JOINTS ARE RECOMMENDED EVERY 20 FT (6.1 M).

2. REFER TO DRYVIT PUBLICATION DS173 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 OUTSULATION MD SYSTEM IS NECESSARY WHERE SIGNIFICANT DIFFERENTIAL MOVEMENT IS EXPECTED AT FLOOR LINES.

3. LIGHTLY SAND SURFACE OF DRYVIT VENT TRACK TO MAXIMIZE ADHESION.

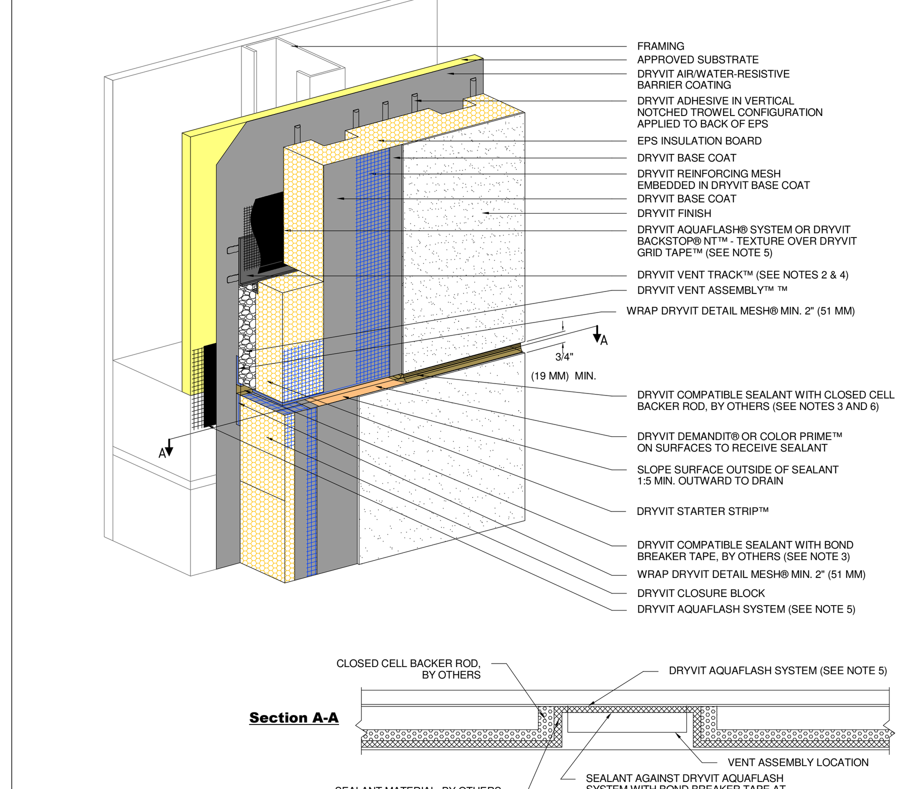
4. LOCATE EXTERNAL SEALANT JOINT WITHIN 2" (51 MM) OF BREAK IN SHEATHING. \N

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.

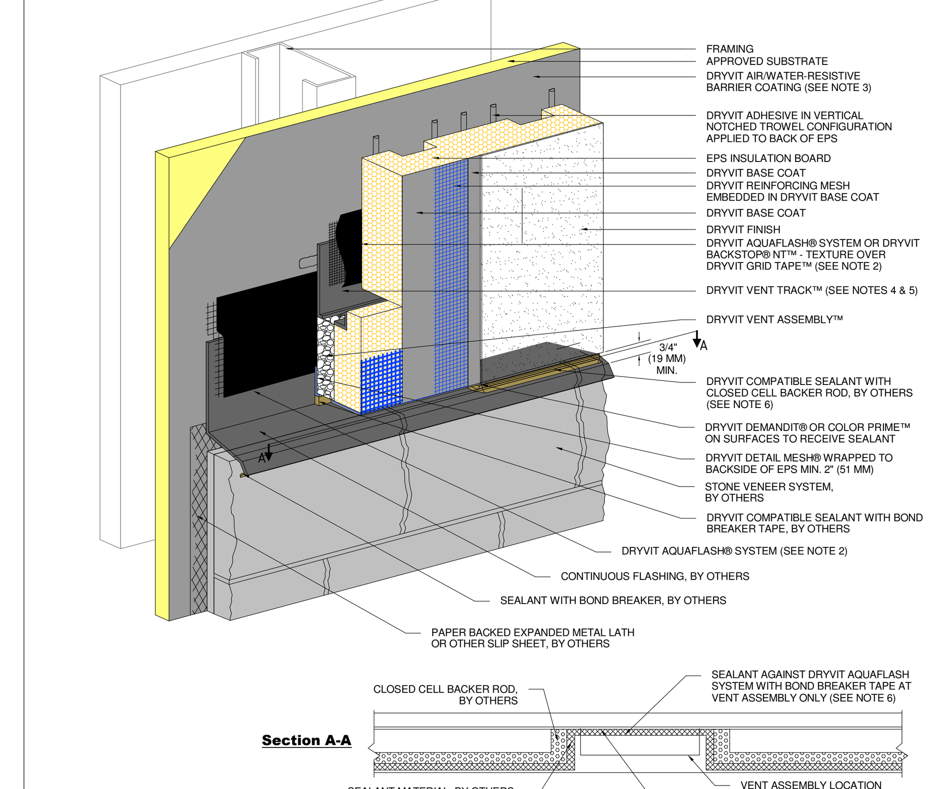
2. SLOT IN DRYVIT VENT TRACK MUST BE POSITIONED OVER DRYVIT VENT ASSEMBLY.

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.
\N

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.



OMD 0.0.30

Horizontal 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 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.
\N

3. FOR INSTALLATION OF DRYVIT AIR/WATER- 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.

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

drawn by: MLA

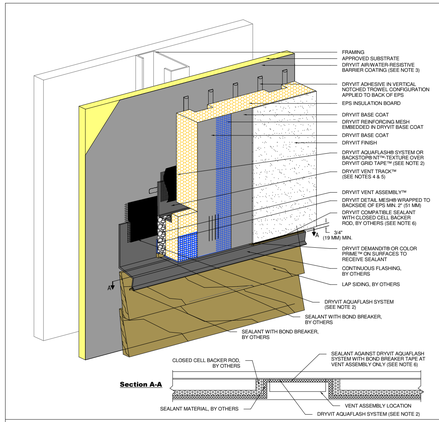
checked by: FTM

project no: 25-104

EIFS DETAILS

G414

9/18/2026 10:35:15 AM



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 PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

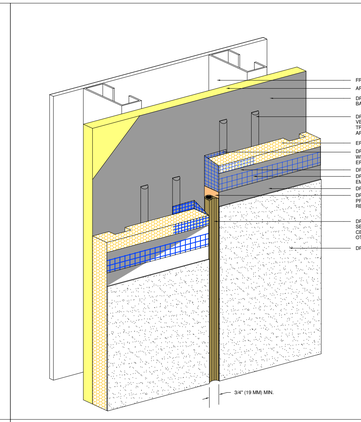
2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFLASH SYSTEM.
IN

3. FOR INSTALLATION OF DRYVIT AIR/WATER- 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.

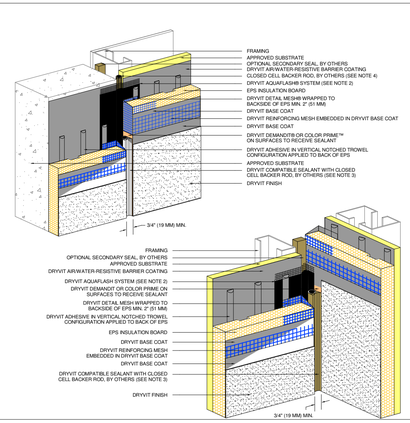
6. SEALANT SHALL TURN IN AT DRYVIT VENT ASSEMBLY LOCATIONS TO ALLOW FOR DRAINAGE. SEE SECTION A-A.



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 PANZER® 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).



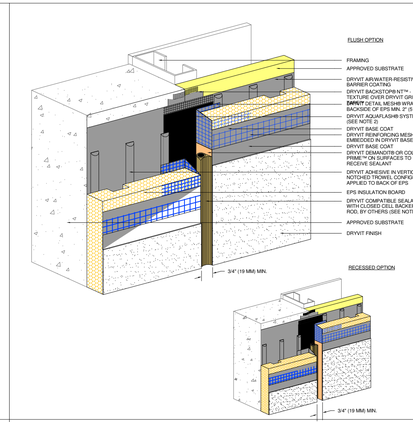
OMD 0.0.33 Through-Wall Expansion Joint

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 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. LOCATE EXTERNAL SEALANT JOINT WITHIN 2" (51 MM) OF SUBSTRATE JOINT.

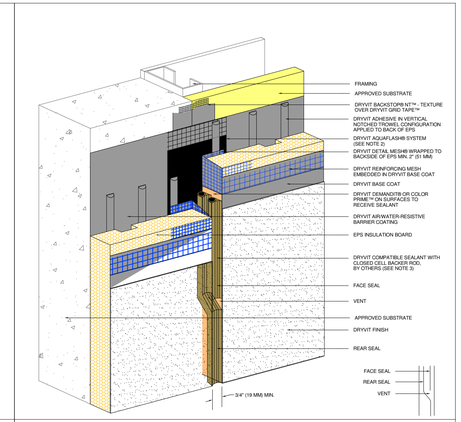


OMD 0.0.34 Vertical Expansion Joint - Flush and Recessed Options

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 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.

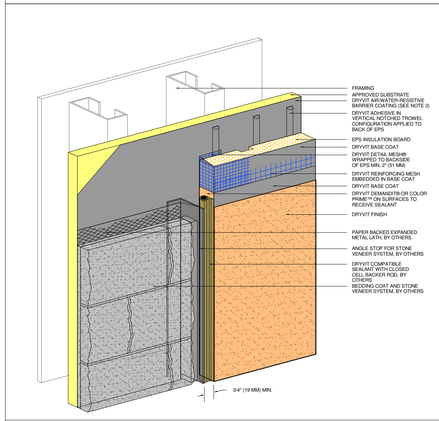


OMD 0.0.35 Vertical Expansion Joint - Double Seal Option

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 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

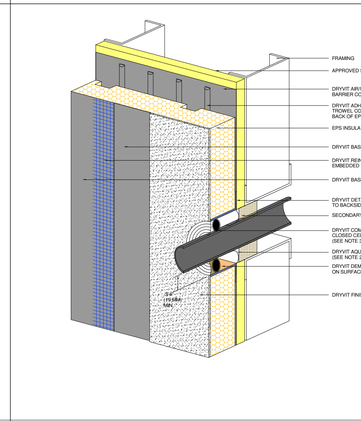
3. SEALANT SHALL NOT BE IN DIRECT CONTACT WITH ASPHALTIC ADHESIVE ON DRYVIT FLASHING TAPE. COVER DRYVIT FLASHING TAPE LAPS WITH POLYETHYLENE TAPE OR BACKER ROD.



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 PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

2. FOR INSTALLATION OF DRYVIT AIR/WATER-RESISTIVE BARRIER COATING BENEATH CLADDINGS OTHER THAN DRYVIT EIFS, REFER TO DRYVIT PUBLICATION DS840.

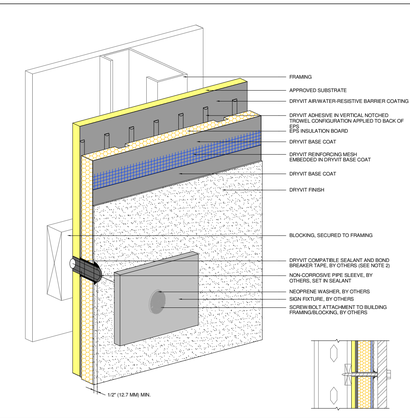


OMD 0.0.37 Penetrations

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 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

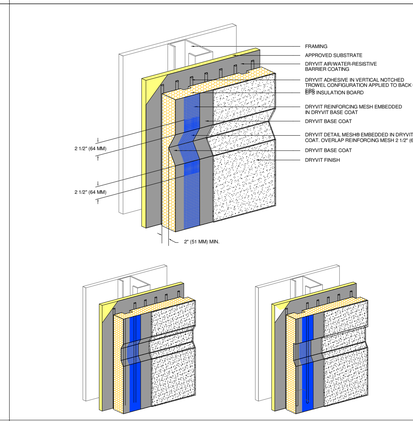
3. SEALANT SHALL NOT BE IN DIRECT CONTACT WITH ASPHALTIC ADHESIVE ON DRYVIT FLASHING TAPE. COVER DRYVIT FLASHING TAPE LAPS WITH POLYETHYLENE TAPE OR BACKER ROD.



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 PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

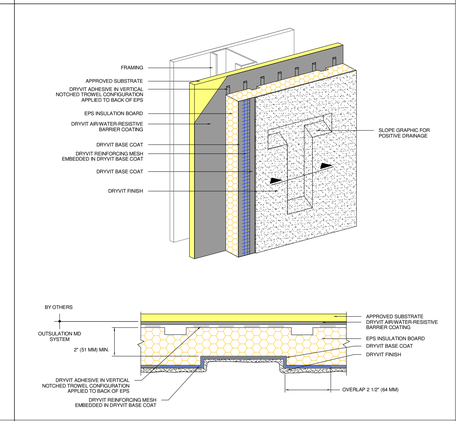
2. PERIMETER OF PIPE SLEEVE IS CAULKED TO PREVENT WATER ENTRY INTO WALL.



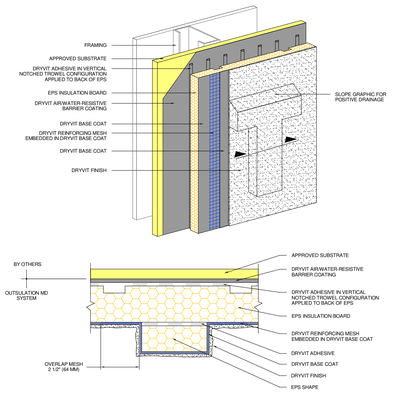
OMD 0.0.39 Aesthetic Reveals

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 PANZER® 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" (330 MM) AT ANY POINT MEASURED FROM THE SUBSTRATE.

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:
MLA
checked by:
FTM
project no:
25-104

EIFS DETAILS

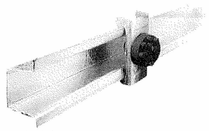
G415

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.

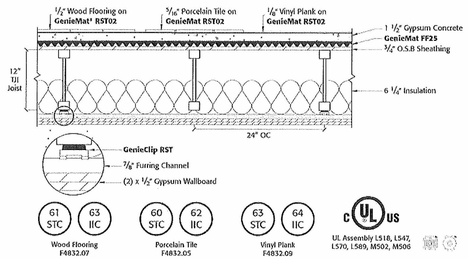
Experience with the RSIC-1 Soundproofing Clips has recorded remarkable improvements of up to an additional 20 STC points on walls.

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)



#Acoustic Sealant

Acoustical Surfaces, Inc. We Identify and S.T.O.P. Your Noise Problems sand . reverberation . buzzing . rebuilds

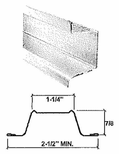
Acoustical Surfaces, Inc.

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)

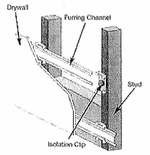
Retrofitting Walls & Floors From Noisy Neighbors (https://ye7zs22zd242wmzxo41cj7b5-wpengine.netdna-ssl.com/rsic_clips/images/RSIC_Concrete.pdf)

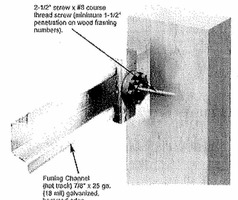
White Paper (//www.acousticalsurfaces.com/rsic_clips/pdf/WhitePaper_SoundIsolationClips.pdf)

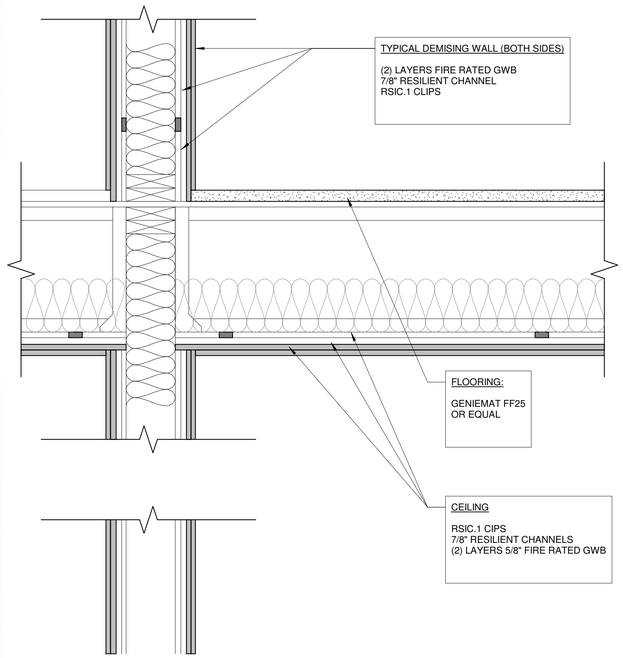
Revit File (//www.acousticalsurfaces.com/revit/rsic-clips/rsic-1/RSIC-1.rfa)

Wall Assemblies Revit File (//www.acousticalsurfaces.com/revit/rsic-clips/rsic-1/RISC-1_Wall%20Assemblies.rvt)

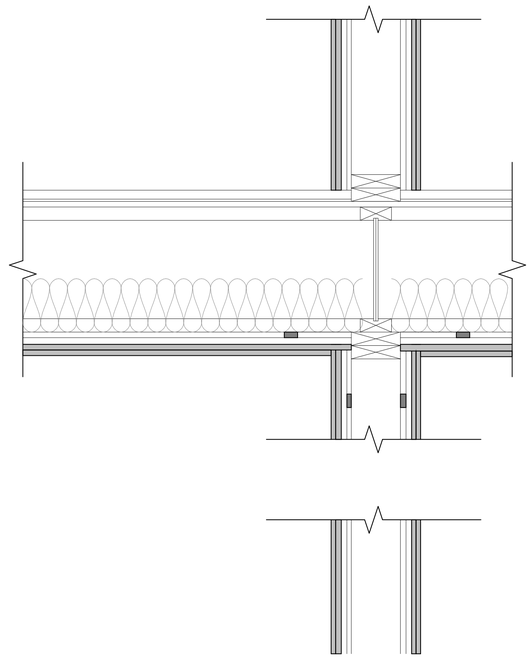
Product TAG



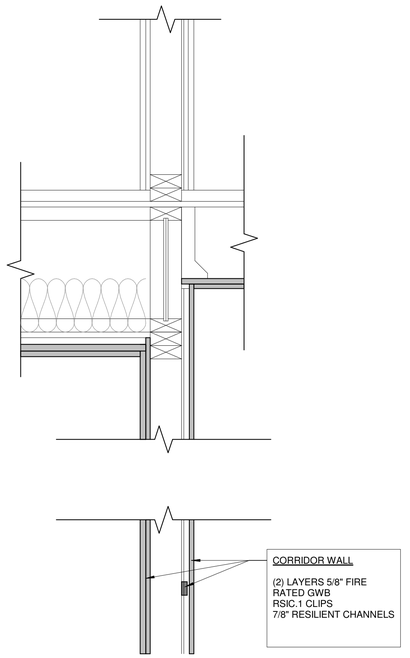




1 **DEMISING WALL (Load Bearing)**
1 1/2" = 1"- 0"



2 **DEMISING WALL (Not Load Bearing)**
1 1/2" = 1' - 0"



3 **CORRIDOR**
1 1/2" = 1' - 0"

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 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

ACOUSTIC DETAILS

G500

9/19/2026 10:35:22 AM

RSIC-1 SOUND ISOLATION CLIP

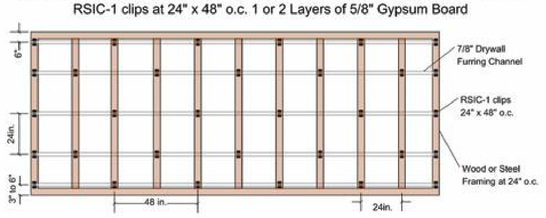
APPLICATION RECOMMENDATIONS FOR WALLS AND CEILINGS, WOOD OR STEEL FRAMING

INSTALLING RESILIENT SOUND ISOLATION CLIPS (RSIC-1)

RSIC CLIPS AT 24” OC.

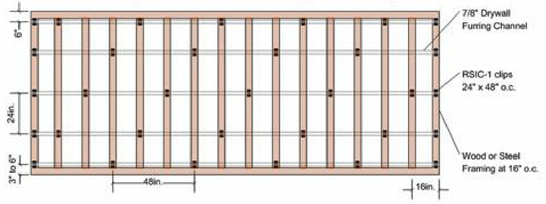
RSIC-1 Wall or Ceiling System Framing at 24" o.c.

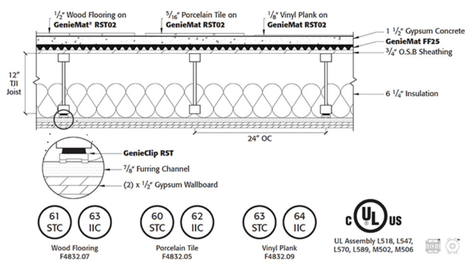
RSIC-1 clips at 24" x 48" o.c. 1 or 2 Layers of 5/8" Gypsum Board



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





Design No. U334

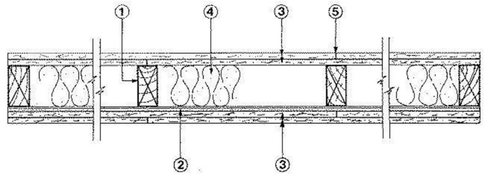
November 20, 2019

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

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

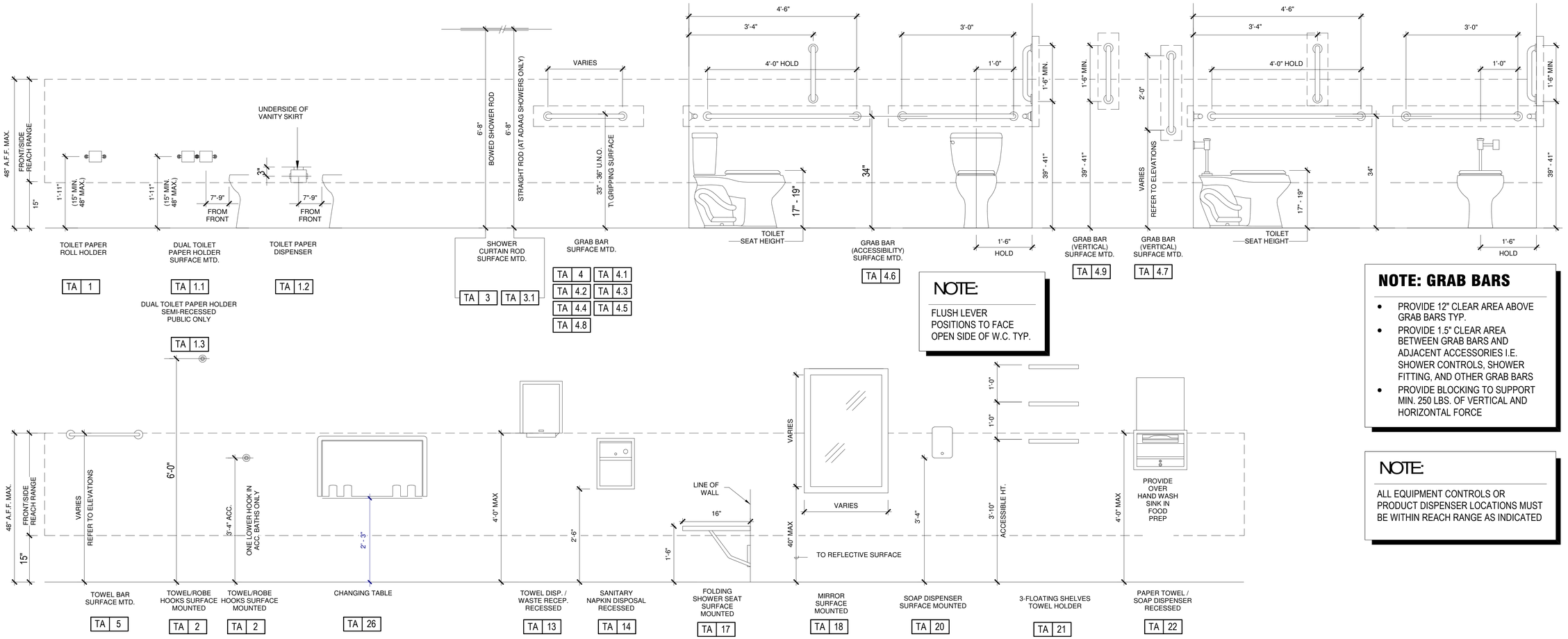
checked by: FTM

project no: 25-104

ACOUSTIC DETAILS

G501

9/18/2026 10:35:23 AM



NOTE:
FLUSH LEVER POSITIONS TO FACE OPEN SIDE OF W.C. TYP.

NOTE:
ALL EQUIPMENT CONTROLS OR PRODUCT DISPENSER LOCATIONS MUST BE WITHIN REACH RANGE AS INDICATED

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

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-Recessed	Fully Recessed	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 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:

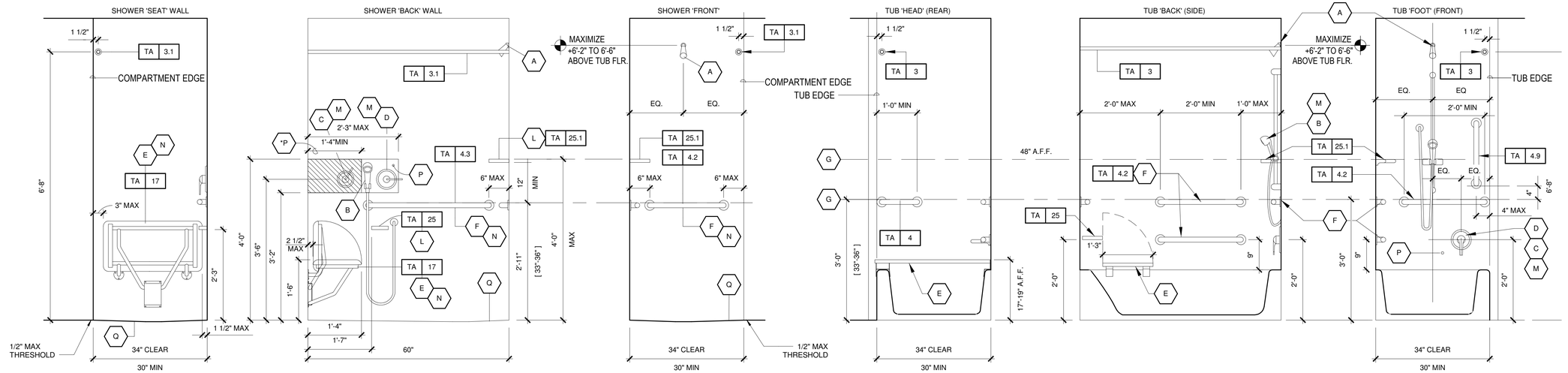
Revision	Date	Description

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

TOILET ACCESSORIES

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

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 919.838.9955

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:

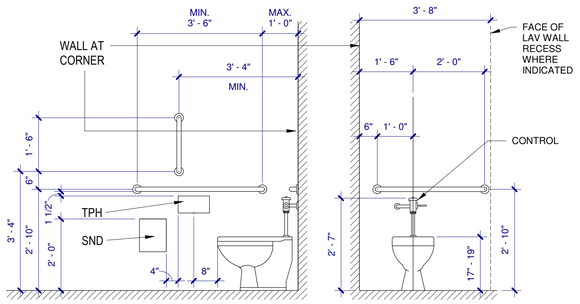
Revision	Date	Description

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

TOILET ACCESSORIES

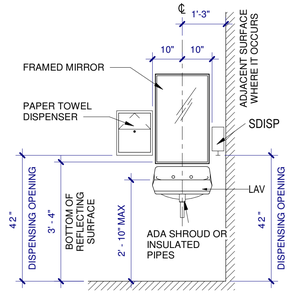
G601

9/18/2026 10:35:30 AM



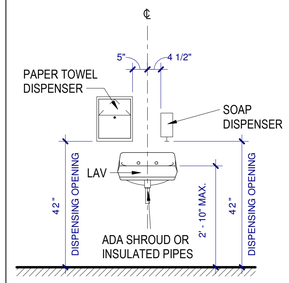
TOILET/WATER CLOSETS ACCESSIBLE

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.



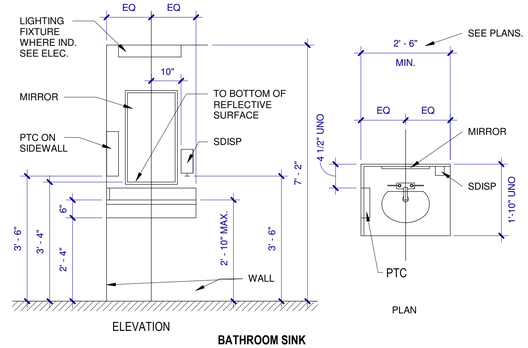
LAVATORY BASIN/BATHROOMS

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.



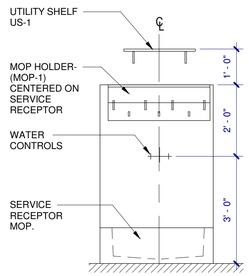
LAVATORY BASIN/HANDWASH STATION

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.



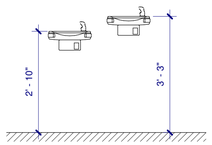
BATHROOM SINK

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.



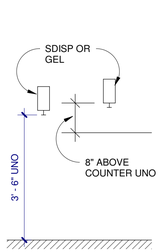
HOUSEKEEPING/EVS CLOSET

1. UTILITY SHELF 24" LONG UNO.
2. WATER CONTROLS AND SERVICE RECEPTOR, REFER TO PLUMBING DRAWINGS.

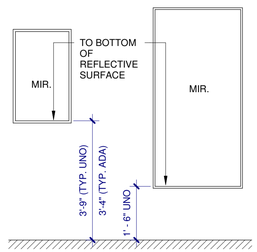


DRINKING FOUNTAIN

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.

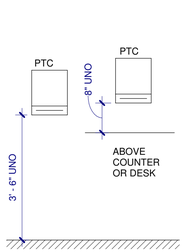


SOAP/GEL/FOAM DISP.



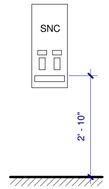
MIRROR

1. SEE PLANS FOR MIRROR TYPE.
2. MOUNTING HEIGHT TO BOTTOM OF GLASS, TYP. UNO.



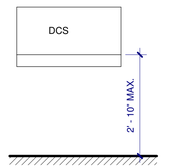
PAPER TOWEL CAB/WR

1. MOUNTING HEIGHT IS INDICATED FOR A BOTTOM DISPENSING CABINET. MAX PAPER SOURCE HEIGHT IS 48".



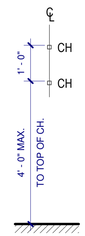
SANITARY NAPKIN CABINET

1. ENSURE MAX. 4'-0" HIGH TO OPERABLE CONTROLS AFL.

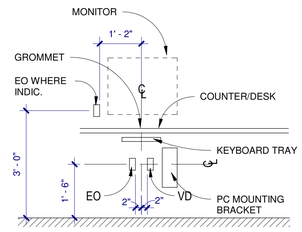


DIAPER CHANGING STATION

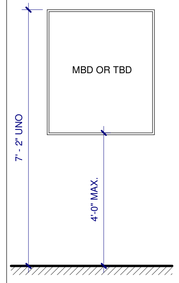
1. ENSURE MIN. 2'-3" HIGH X 8" DEEP KNEE SPACE.
2. PULL DOWN HANDLE TO BE LOCATED 48" MAX AFL.



COAT HOOKS

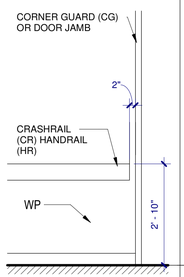


PC WORK STATION

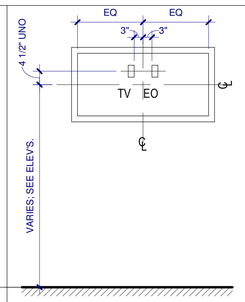


MARKER BOARD/TACK BOARD

REFER TO ELEV. FOR SPEC. NUMBER AND SIZE.

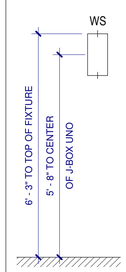


HANDRAIL/CRASH RAILS



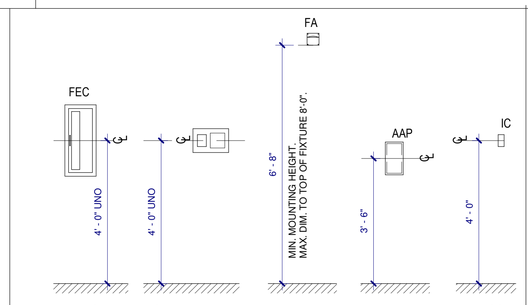
FLAT TV SCREEN

VERIFY DIMENSIONS AND PROVIDE PARTITION BLOCKING TV AND EO, REFER TO MANUF. INSTRUCTIONS. UNIT CAN NOT PROJECT MORE THAN 4" INTO CIRCULATION AREA.



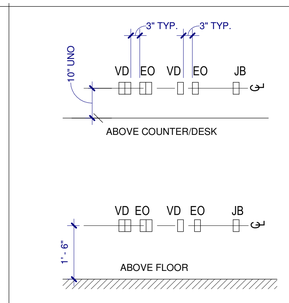
WALL SCONCE

FIXTURES CAN NOT PROJECT INTO CORRIDOR MORE THAN 4"



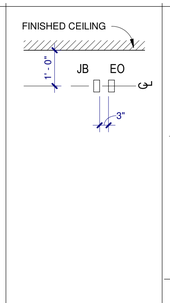
FEC **CARD READER** **FIRE ALARM** **ALARM ANNUNCIATOR PANEL** **INTERCOM**

REFER TO ELECTRICAL DRAWINGS.

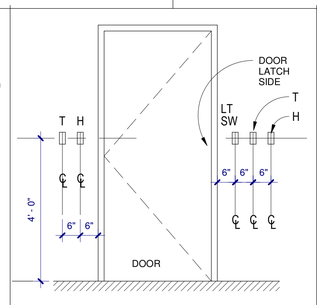


ELECT/COMM OUTLETS

MOUNT HEIGHTS SHOWN FOR ABOVE FLOOR AND ABOVE COUNTER UNO., REFER TO ELEVATIONS FOR LOCATIONS.

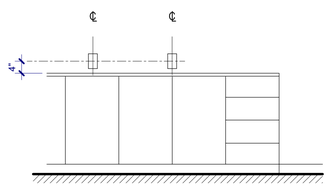


CCTV CAMERA OUTLETS



LIGHT SWITCH/THERMOSTAT/HUMIDISTAT

WALL MOUNTED AT DOOR LOCATION, UNLESS INDICATED OTHERWISE IN DRAWING SET



OUTLET LOCATIONS AT 25" MAX DEPTH MILLWORK COUNTERS

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 919.838.9955

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:

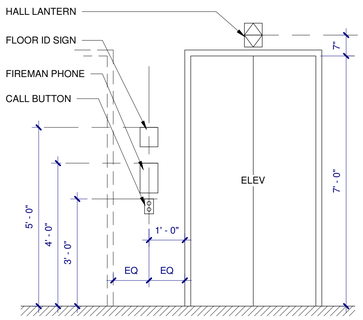
Revision	Date	Description

drawn by: Author
checked by: Checker
project no: 25-104

TYPICAL MOUNTING HEIGHTS & LOCATIONS

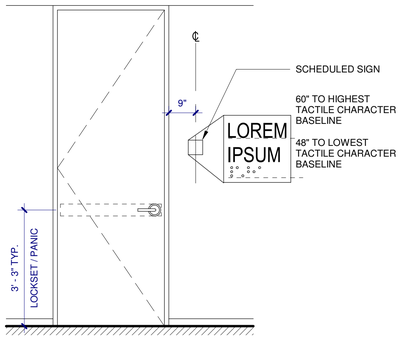
G602

9/18/2026 10:35:32 AM

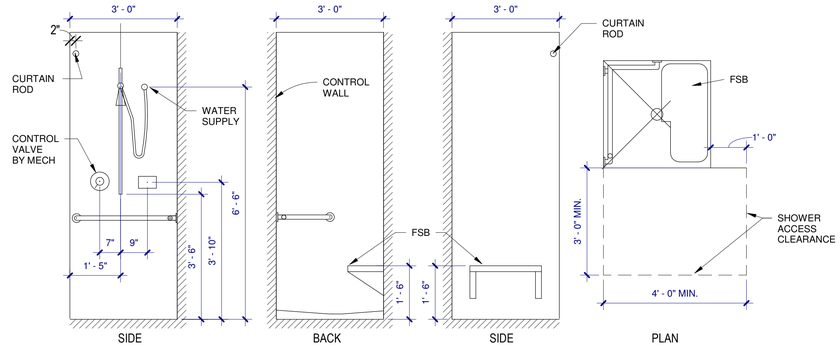


ELEVATOR

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

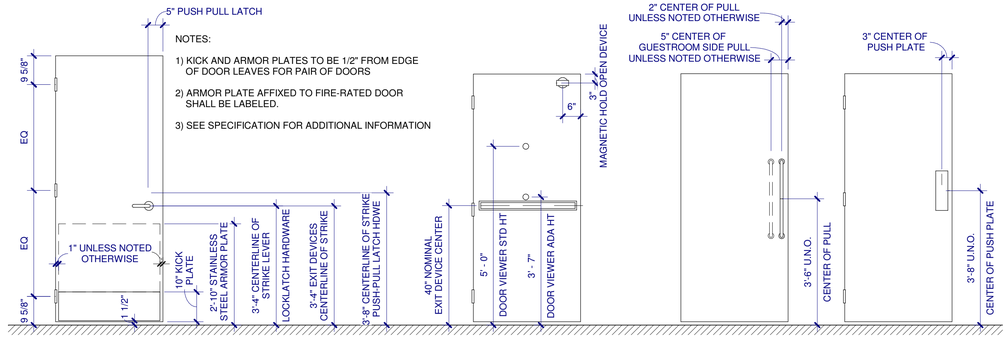


ACCESSIBLE SHOWER - TRANSFER TYPE SHOWER WITH SEAT

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.



DOOR HARDWARE ELEVATIONS (2)

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

drawn by: Author

checked by: FTM

project no: 25-104

TYPICAL MOUNTING HEIGHTS & LOCATIONS

G603

9/18/2026 10:35:35 AM