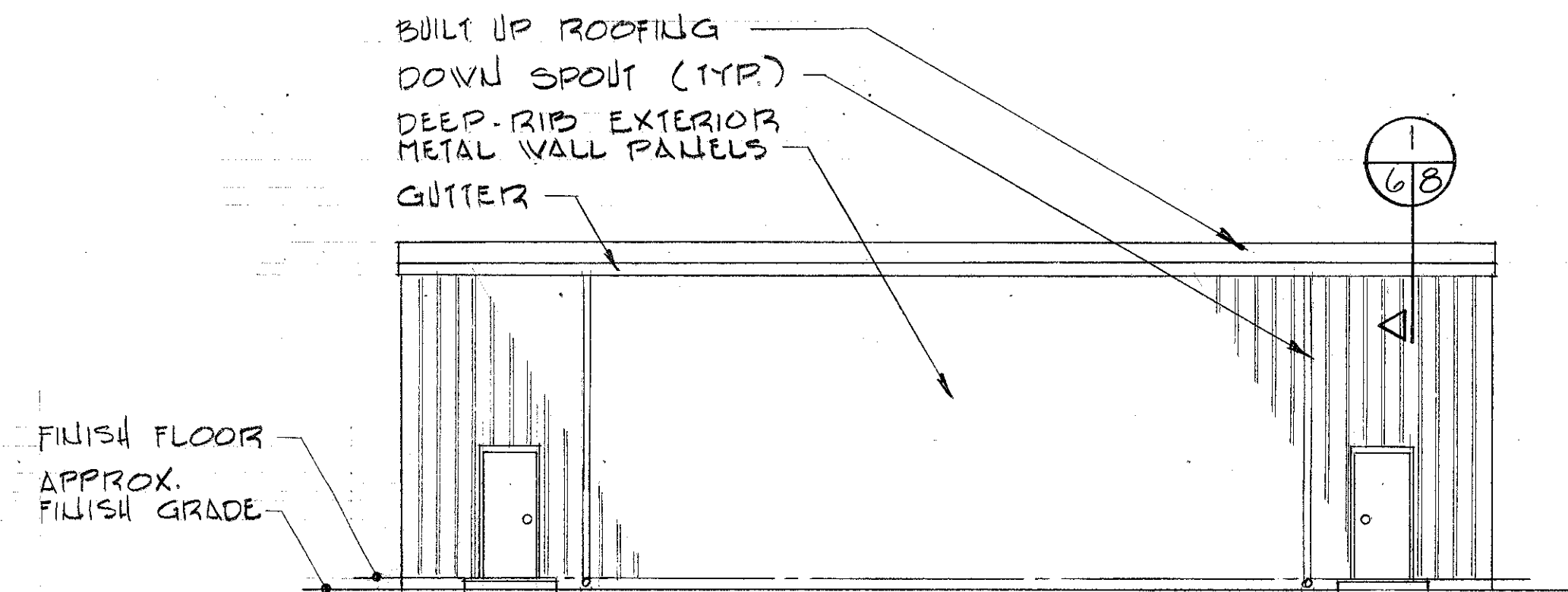


MATERIAL LEGEND [PLAN] :

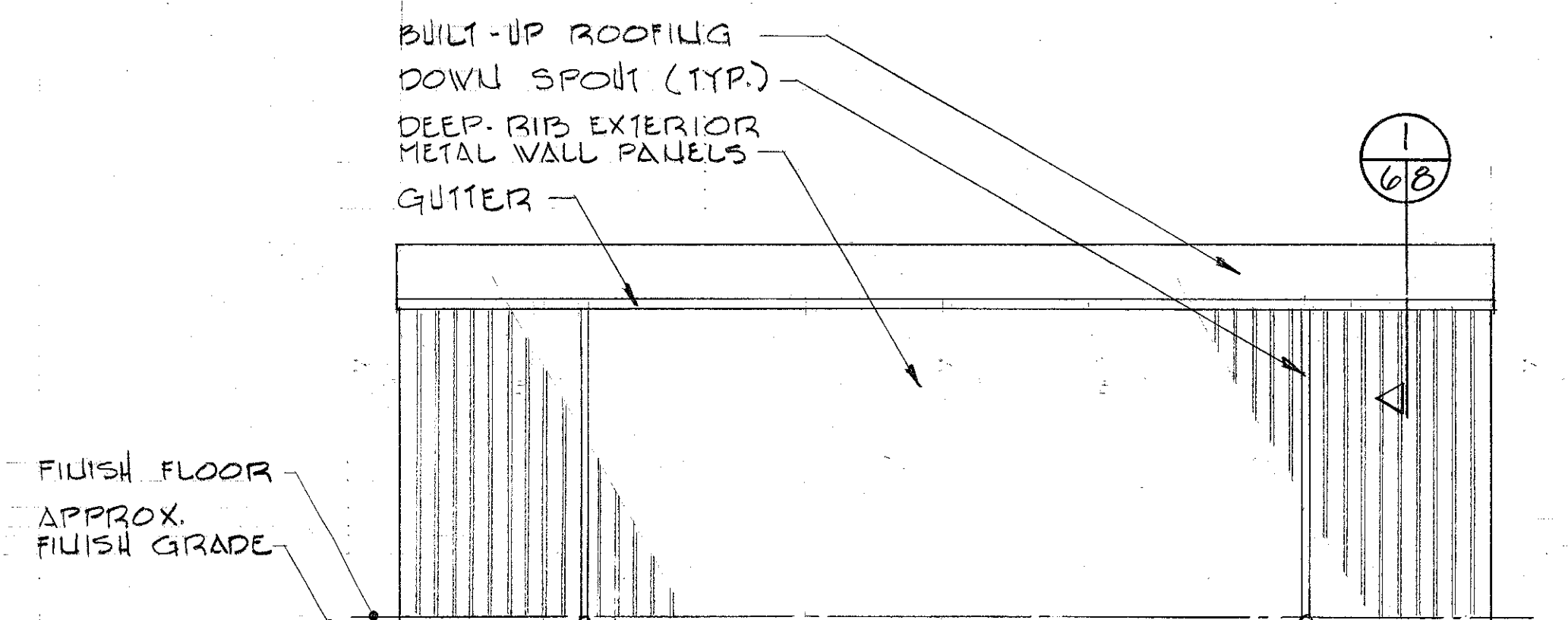
- DEEP RIB EXTERIOR METAL WALL PANELS & BATT INSULATION ON CHANNELS WITH 2" HIGH INTERIOR METAL WALL PANELS
- 8" CMU W/ EXTERIOR FACE OF AGGREGATE SET IN EPOXY
- CMU WALL
- 12" REINFORCED CONCRETE WALL

NOTE: SEE REFLECTED CEILING PLAN FOR LOCATION OF FIRE WALLS.

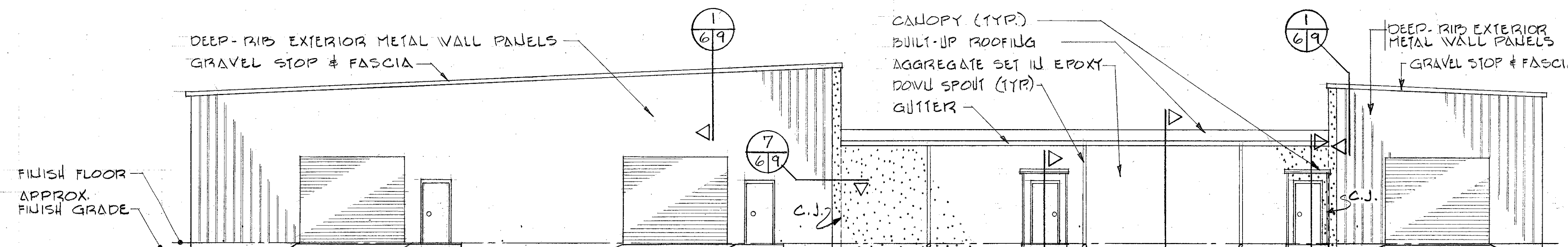
REVISIONS				
LET	DESCRIPTION	PREP'D BY	DATE	APPROVED



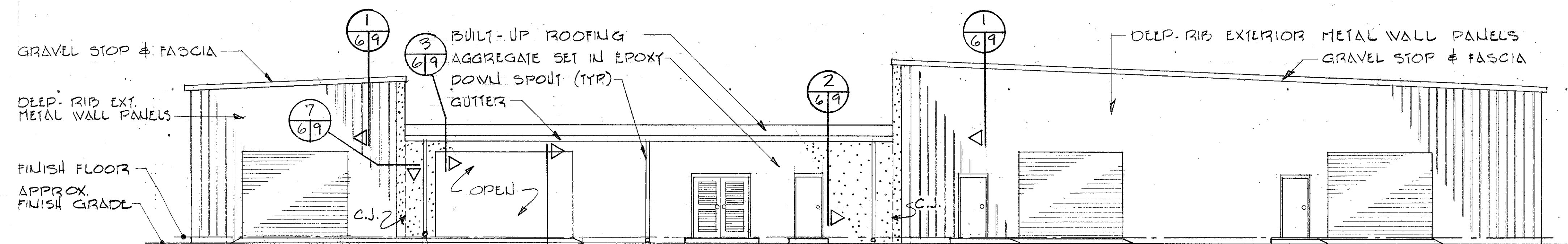
SOUTH ELEVATION
1/8" = 1'-0"



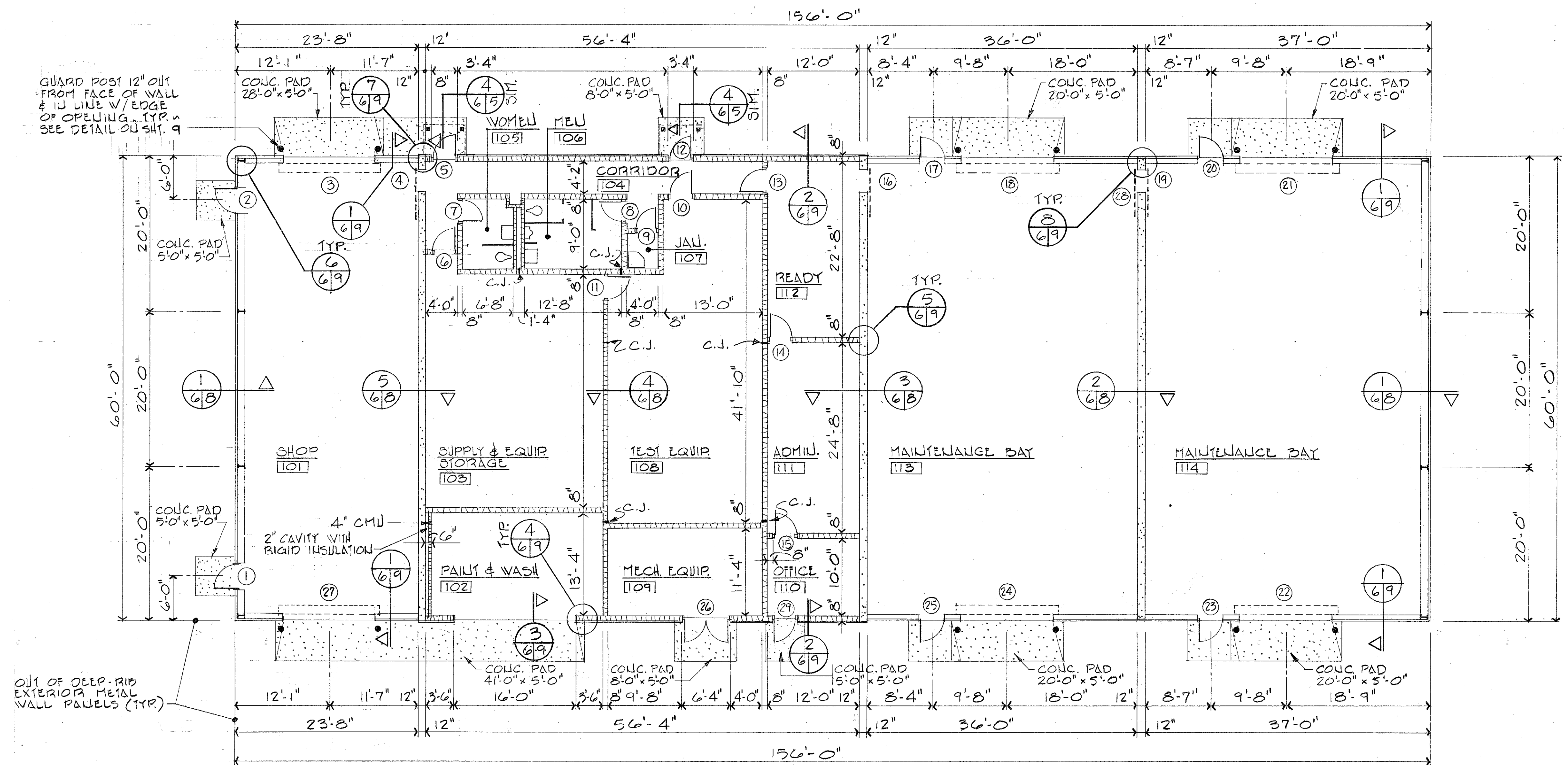
NORTH ELEVATION
1/8" = 1'-0"



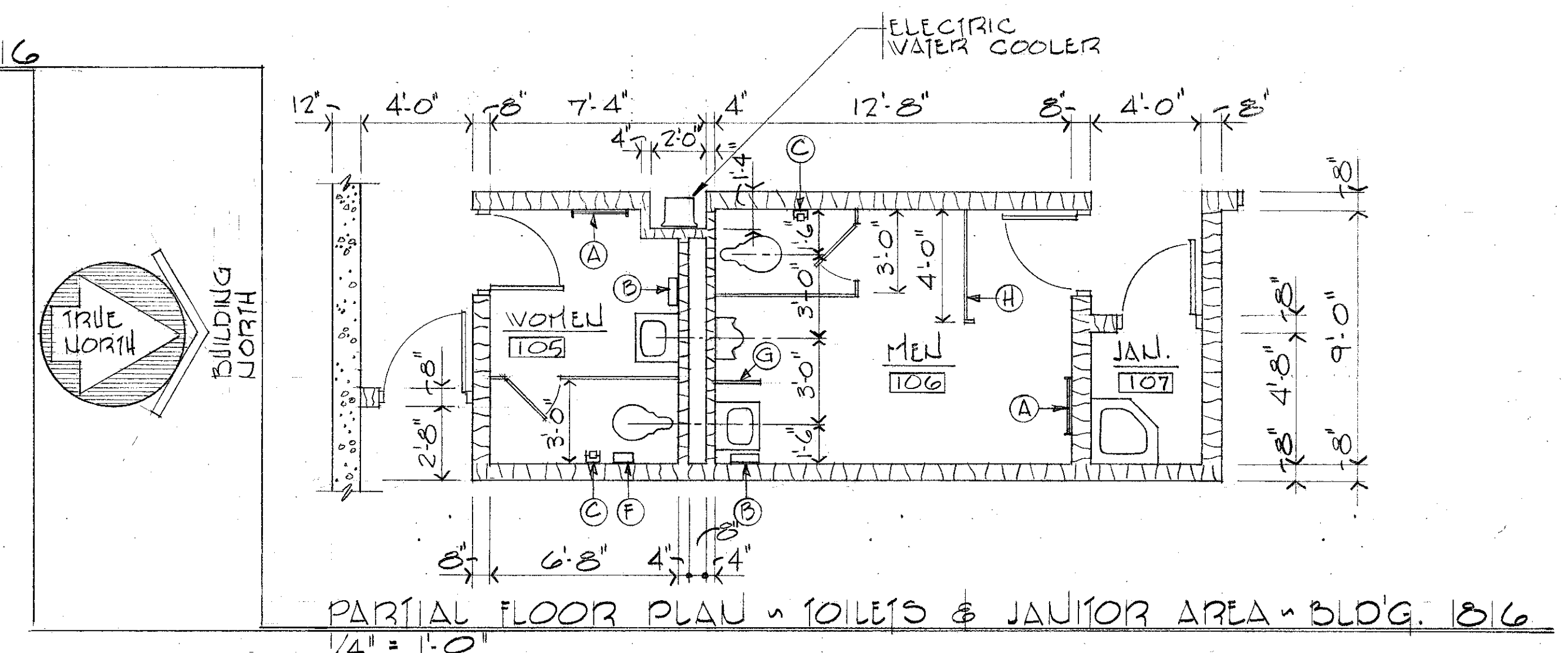
WEST ELEVATION
1/8" = 1'-0"



EAST ELEVATION
1/8" = 1'-0"



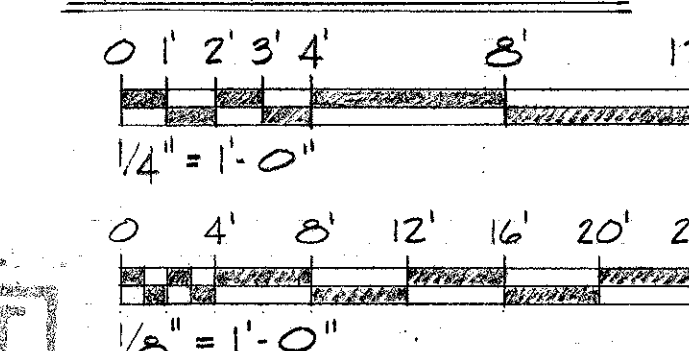
FLOOR PLAN - MISSILE ASSEMBLY BLDG. 1816
1/8" = 1'-0"



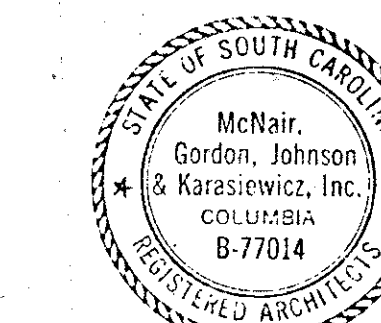
PARTIAL FLOOR PLAN - TOILETS & JANITOR AREA - BLDG. 1816
1/4" = 1'-0"

NOTE:
SEE SHEET 4 FOR TOILET ACCESSORIES.

GRAPHIC SCALES:



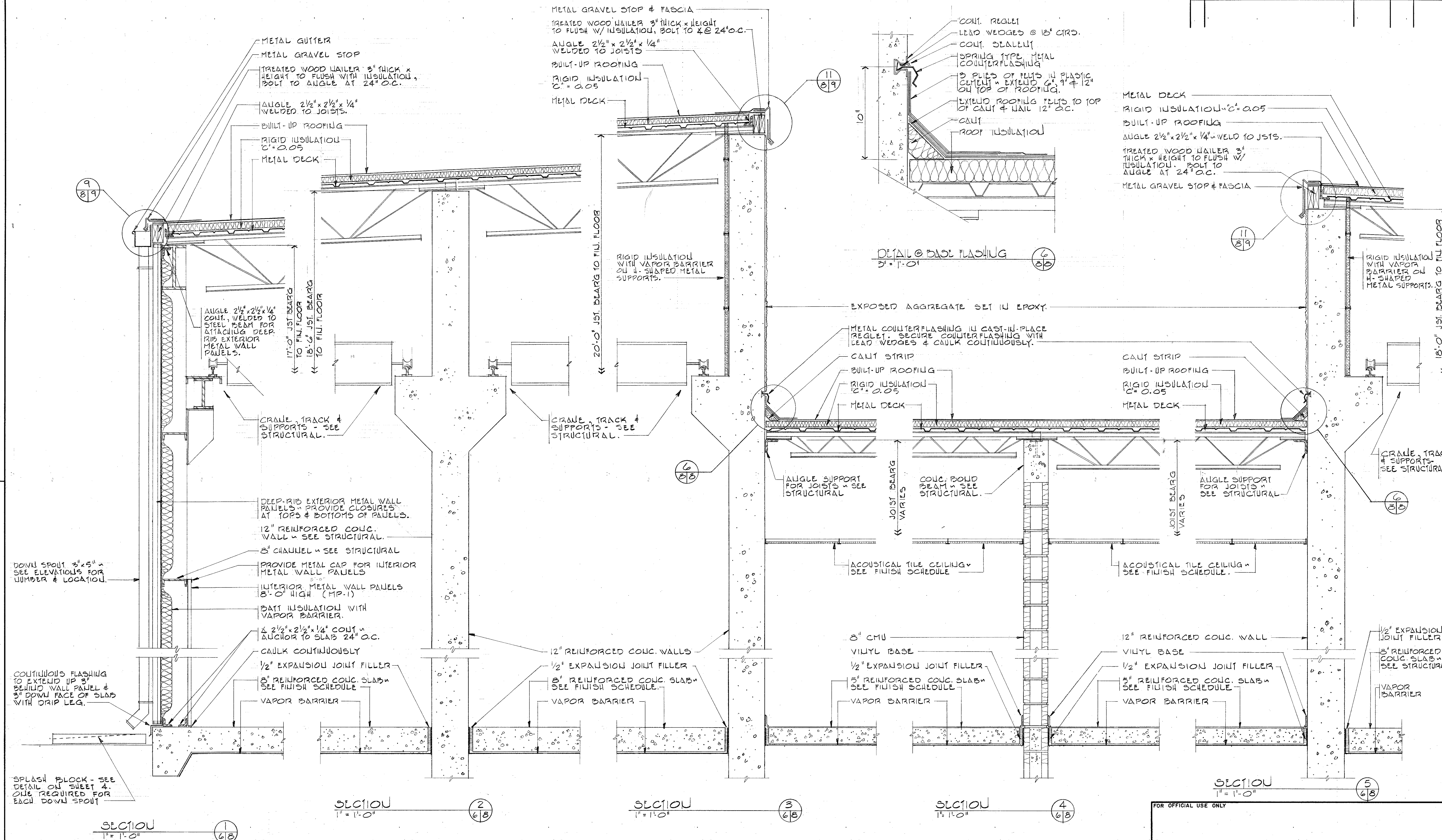
AS-BUILT



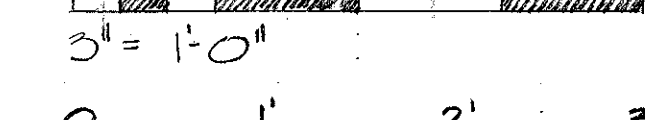
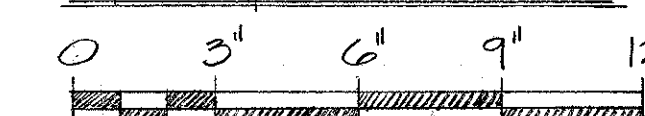
ARCH. & ENGR. SEAL

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McFAIR, GORDON, JOHNSON & KARASIEWICZ ARCHITECTS - ENGINEERS - PLANNERS P.O. BOX 44, COLUMBIA, SC 29202	DEPARTMENT OF THE NAVY - NAVAL FACILITIES ENGINEERING COMMAND SOUTHERN DIVISION CHARLESTON, S.C.
DSGN PLANNING/PLANNING CHK JOHNSON SUPV. JOHNSON, CH ENGR SUBMITTED BY: <i>[Signature]</i> DATE: 9/19/84 SOUTHERN DIV - DESIGN DIVISION PDB: <i>[Signature]</i> DIR	SHAW AIR FORCE BASE SOUTH CAROLINA HYDRAZINE FAC. & BLDG 1816 FLOOR PLANS & ELEVATIONS
APPROVED: <i>[Signature]</i> DATE: 11/17/86 OFFICER IN CHARGE: <i>[Signature]</i> DATE: 11/17/86 APPROVED: <i>[Signature]</i> DATE: 11/17/86 EFD FOR COMMANDER, NAVFAC	SIZE: F CODE IDENT NO. 80091 NAVFAC DRAWING NO. 5071259 CONSTR CONTR NO. 1462467-80-C-0024 SPEC 06-80-0024 SHEET 6 OF 25

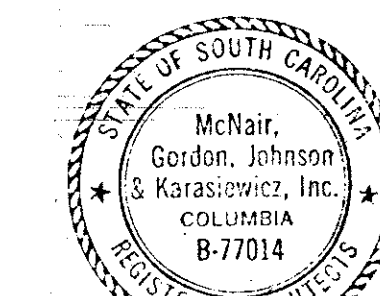
REVISIONS				
LET	DESCRIPTION	PREP'D BY	DATE	APPROVED



GRAPHIC SCALES:



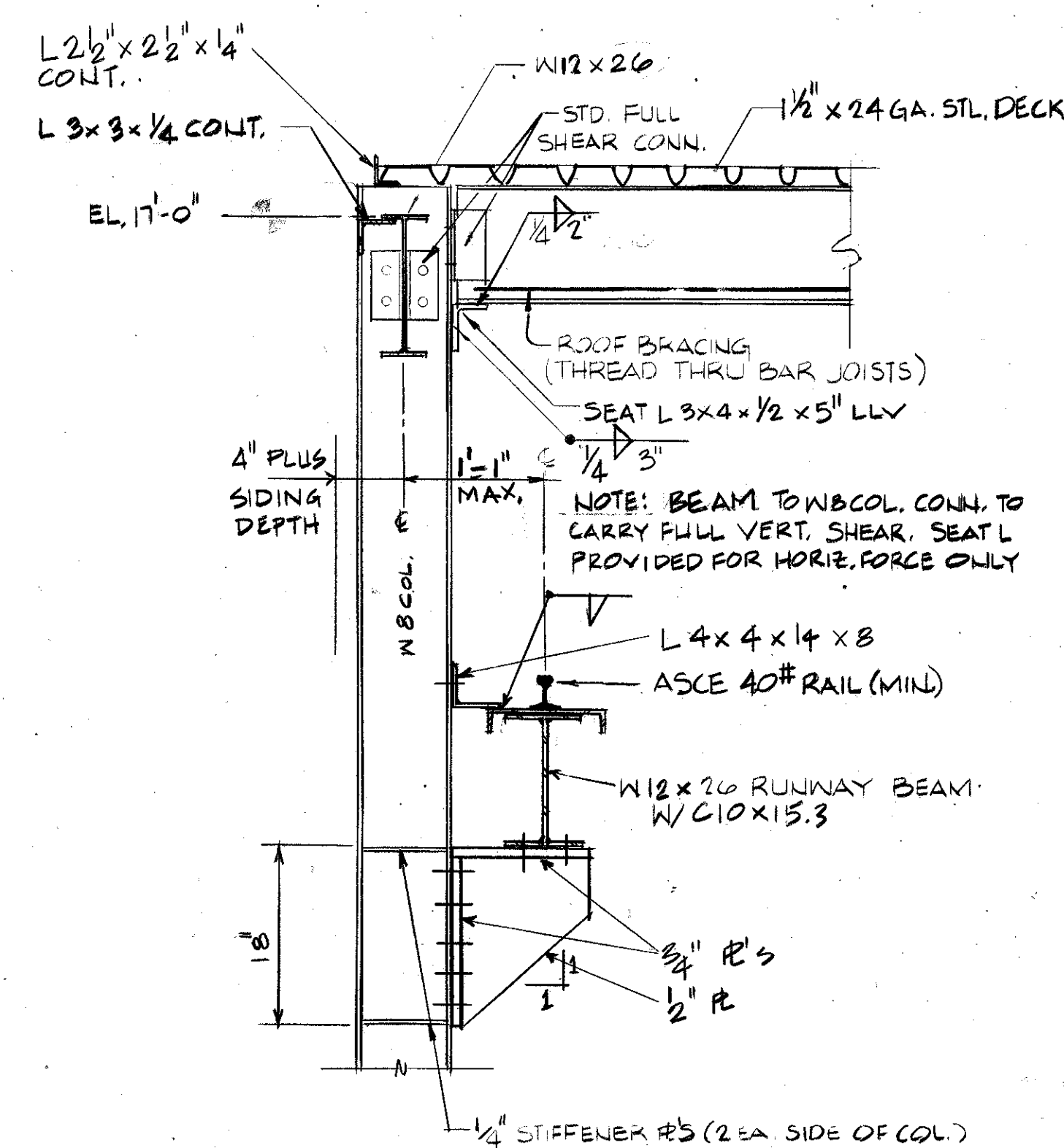
AS-BUILT



ARCH. & ENGR. SEAL

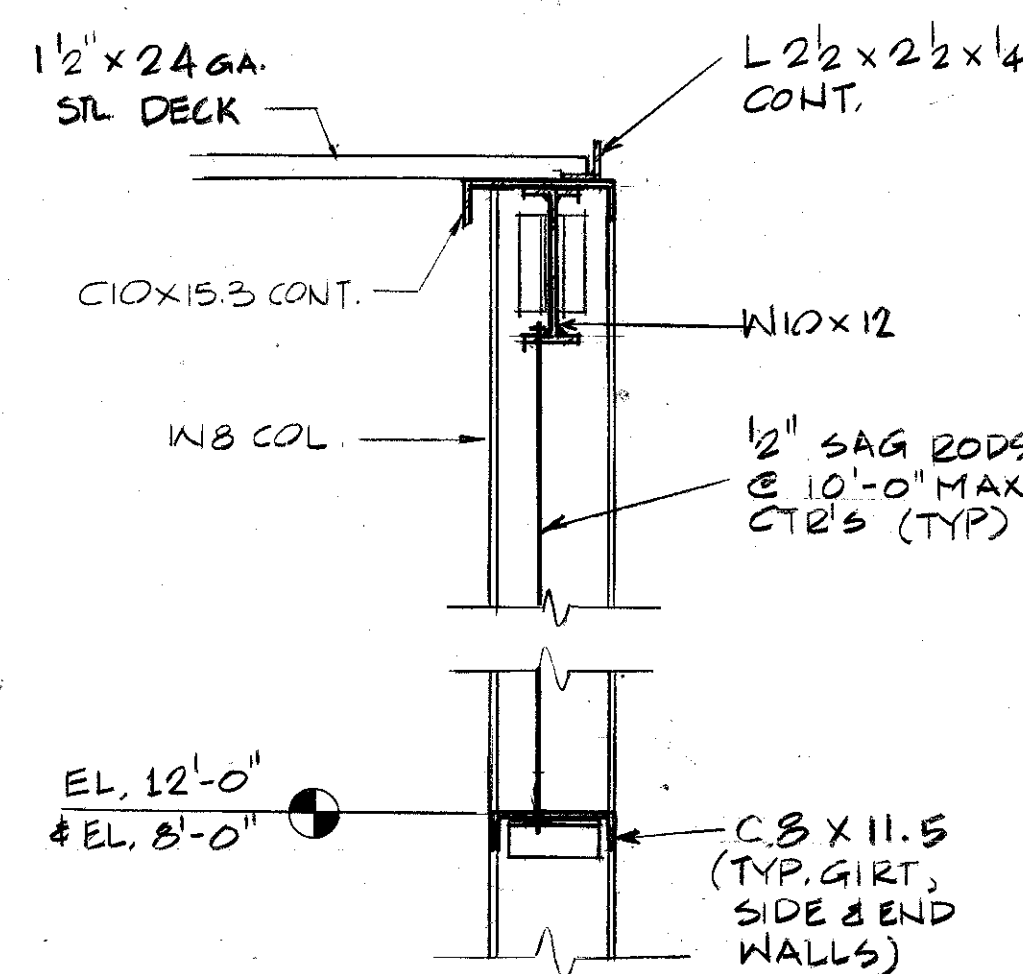
FOR OFFICIAL USE ONLY	
McNair, Gordon, Johnson & Karasiewicz ARCHITECTS - ENGINEERS - PLANNERS P.O. BOX 84, COLUMBIA, SC 29202	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTHERN DIVISION CHARLESTON, S.C.
DESIGNER: DR. PEACE, CH. JOHNSON SUBMITTED BY: CH. JOHNSON DATE: 11/10/80 SOUTHERN DIV - DESIGN DIVISION P.O. BOX 84, COLUMBIA, SC 29202	SHAW AIR FORCE BASE SOUTH CAROLINA HYDRAZINE FAC. & BLDG 1816 SECTION 5
APPROVED: [Signature] OFFICER IN CHARGE: [Signature] DATE: 11/12/80 EFD FOR COMMANDER, NAVFAC	SIZE: CODE IDENT NO. NAVFAC DRAWING NO. F 80091 5071261 CONSTRUCTION NO. 062467-80-C-0026 SCALE AS NOTED SPEC 06-80-0026 SHEET 8 OF 25

REVISIONS				
LET	DESCRIPTION	PREP'D BY	DATE	APPROVE

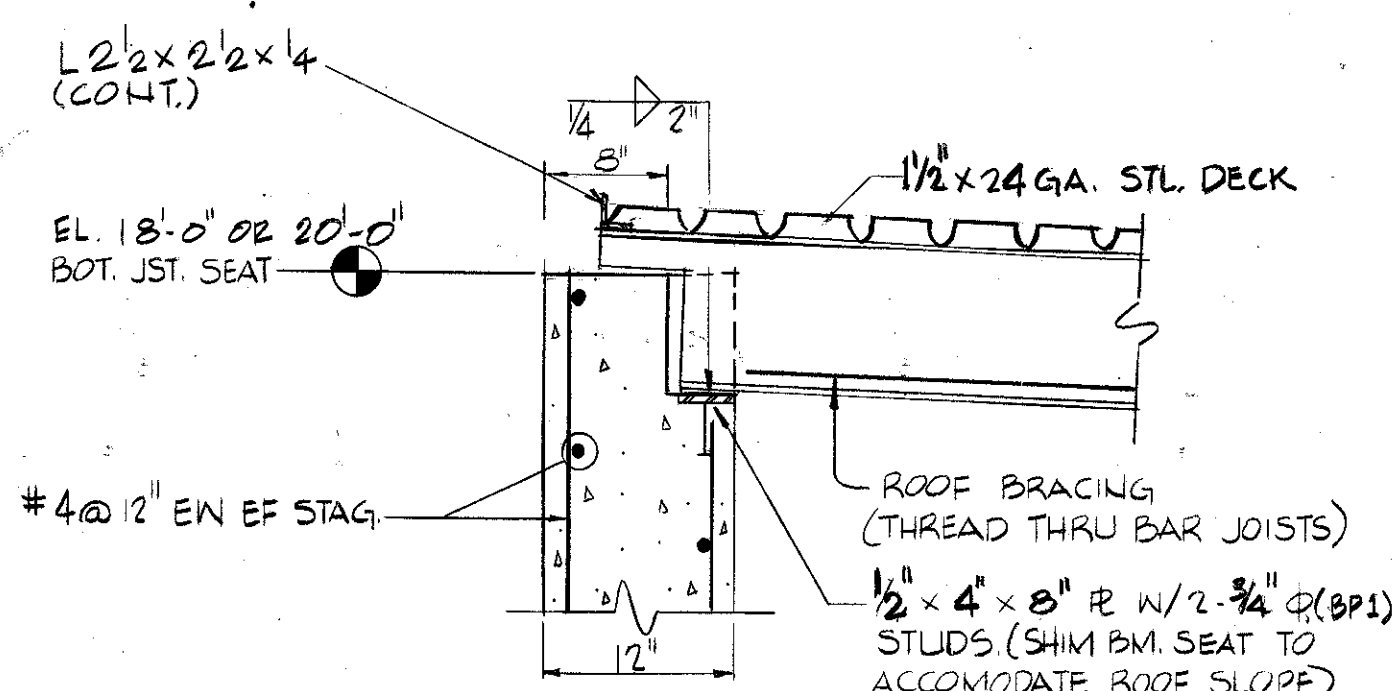


SECTION 1
SCALE: 1" = 1'-0"

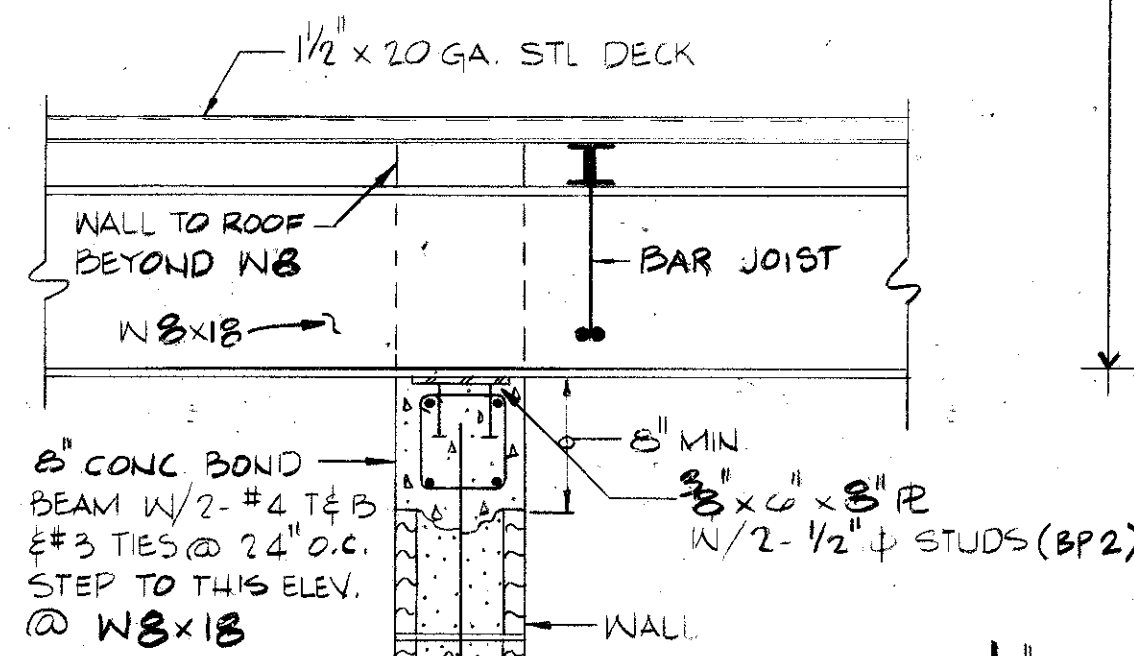
12	12
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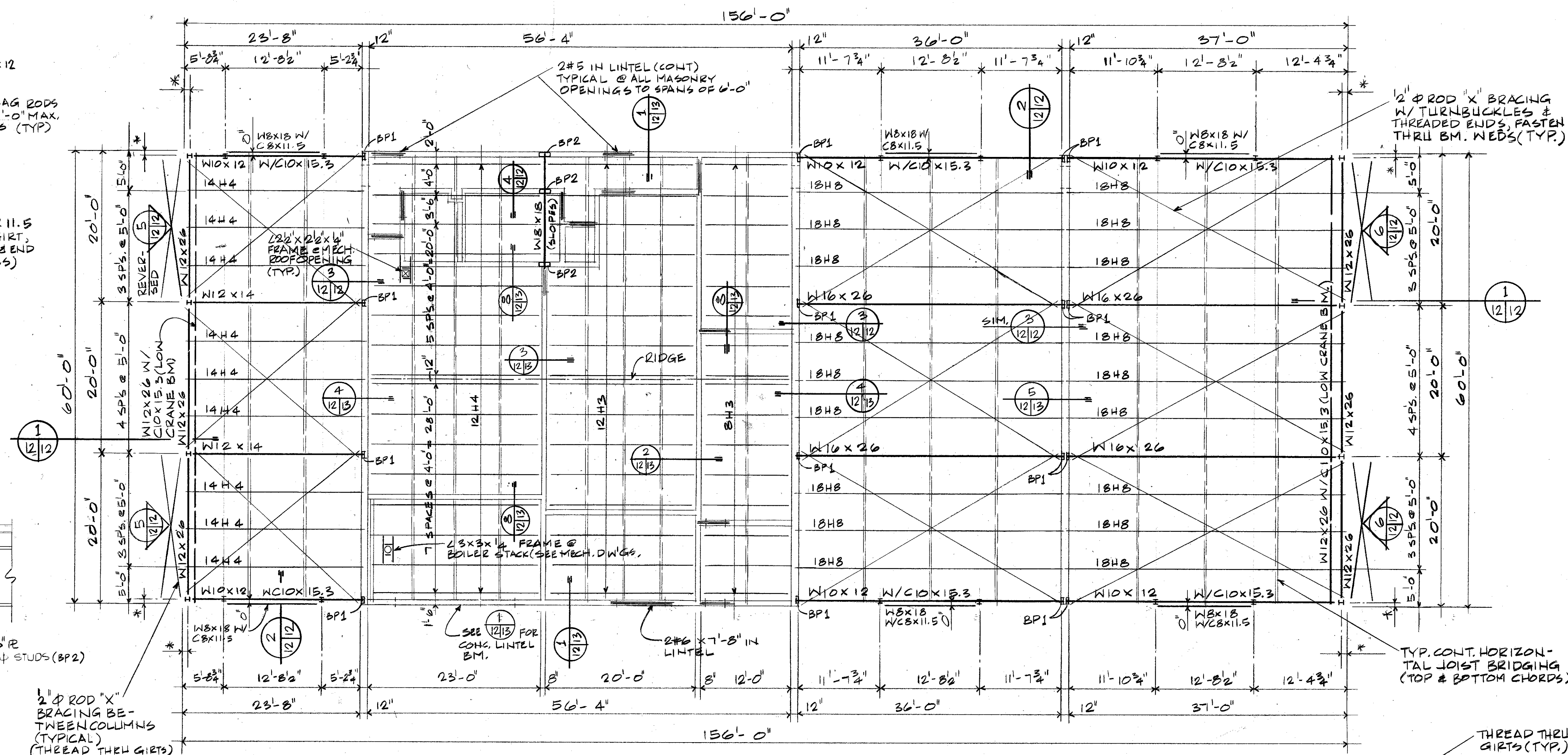
SECTION 2
SCALE: 1" = 1'-0" 12 12



SECTION 3
SCALE: 1" = 1'-0"

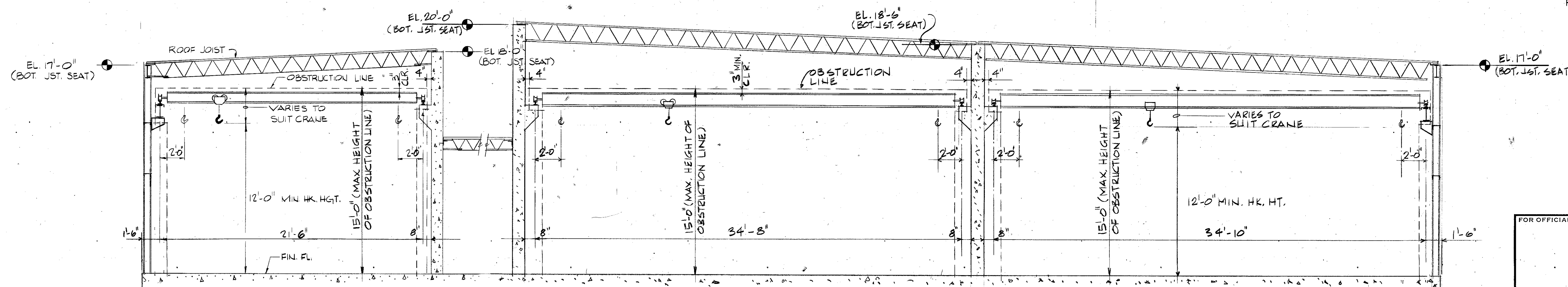


SECTION 4
SCALE: 1" = 1'-0"



NOTE: DIMENSIONS TO BE 4" PLUS SIDING DEPTH

ROOF FRAMING PLAN ~ MISSILE ASSEMBLY BLD'G. 1816

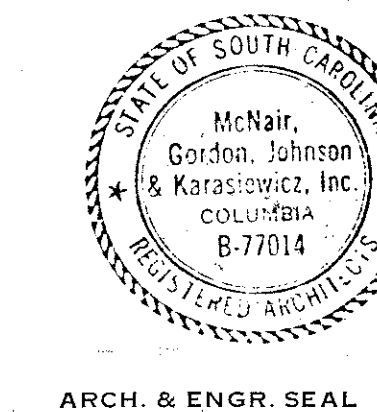
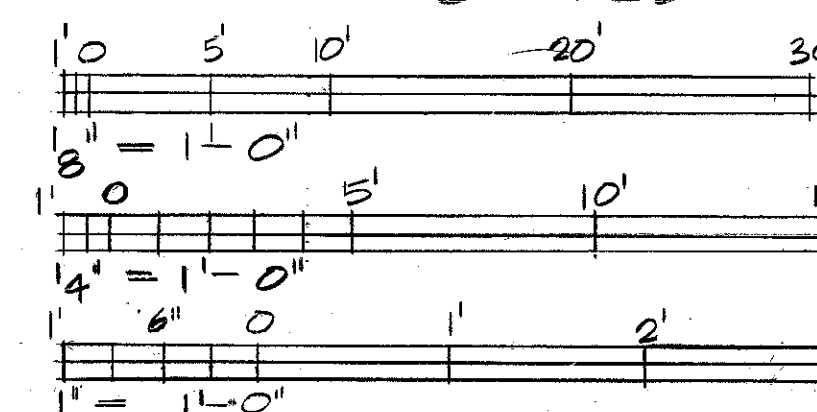
$$1'' = 1 - 0''$$


CRANE CLEARANCE SKETCH

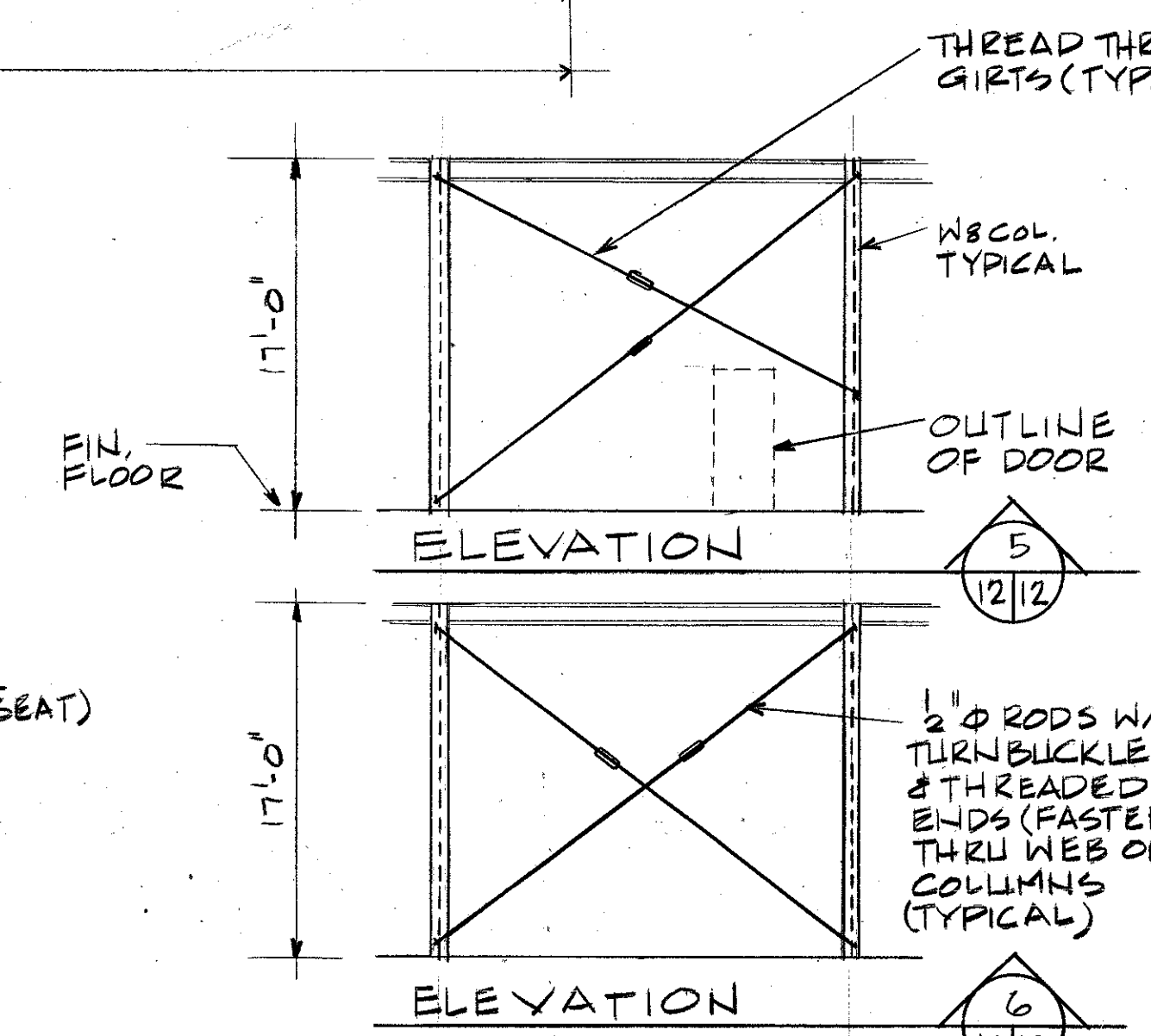
SCALE: $\frac{1}{4}'' = 1'-0''$

NOTE:
NO LIGHTS, CONDUITS, DUCTS, UNIT HEATERS, PIPING, ETC,
SHALL PROTRUDE DOWN INTO THE INDICATED OBSTRUCTION
LINES.

GRAPHIC SCALES



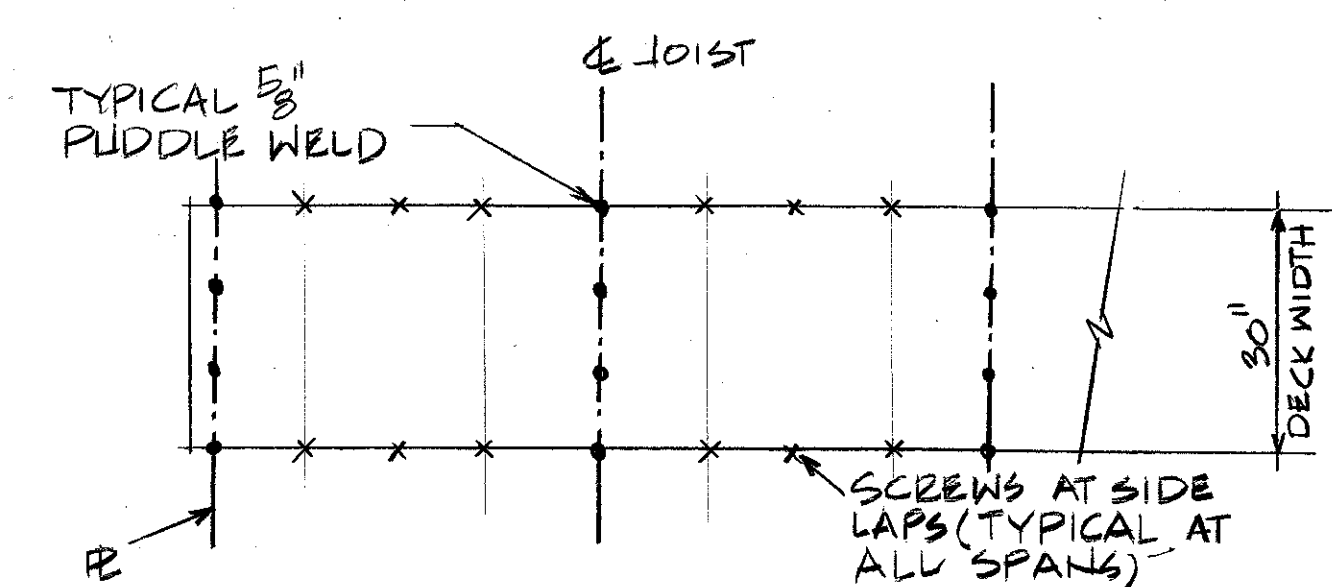
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TYPICAL BRACING DETAILS

MCNAIR, GORDON JOHNSON & KARASIEWICZ ARCHITECTS & ENGINEERS - ARCHITECTS PO BOX 84 COLUMBIA, SC 29202		DEPARTMENT OF THE NAVY SOUTHERN DIVISION CHARLESTON, S.C.	
DESN COLL NDR MOORE CHK MASBY		SHAW AIR FORCE BASE	SOUTH CAROLINA
SUPERVISOR CH ENGR		HYDRAZINE FAC & BLDG 1816	
SUBMITTED BY DATE <i>W. A. Moore</i> <i>9/9/86</i>		ROOF FRAMING PLAN & STRUCTURAL DETAILS	
DESIGN MANAGER (TITLE) SOUTHERN DIVISION DIVISION			
POSTED BY DATE <i>Michael Dir</i>			
APPROVED DATE	SIZE CODE IDENT NO.	NAVFAC DRAWING NO.	
OFFICER IN CHARGE DATE	F 80091	5071265	
APPROVED DATE <i>C. R. Pearson</i> <i>11/1/86</i>	SCALE AS NOTED	CONSTN CONTR NO 162467-80-C-0004	
EDF FOR COMMUNAL NAVFAC		SPEC 06-80-0026 SHEET 12 OF 25	

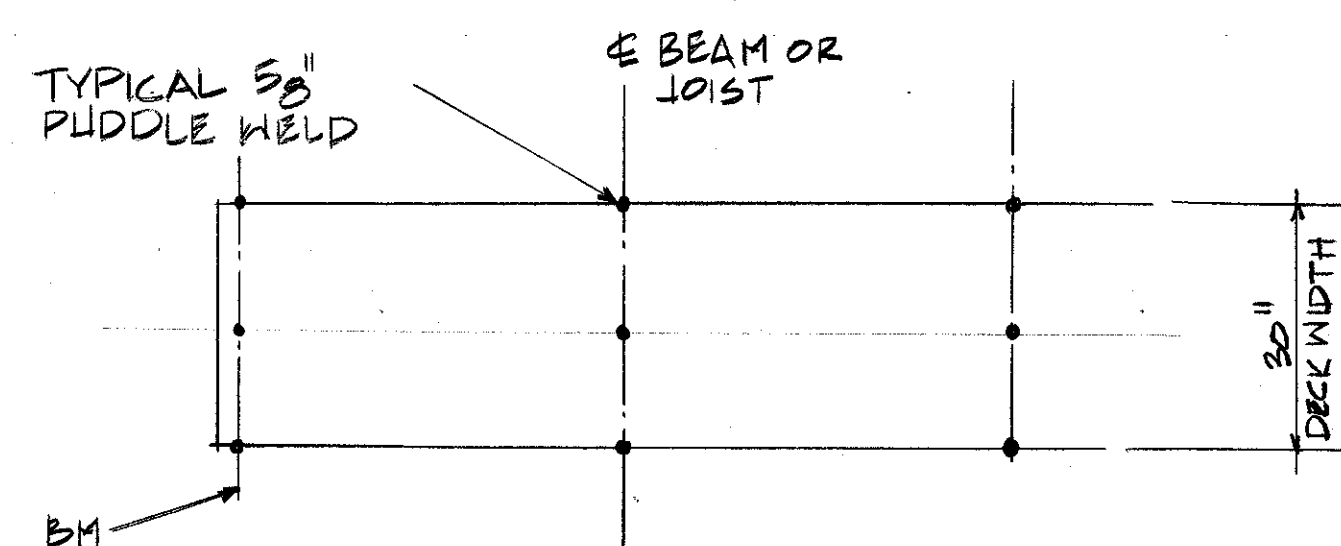
REVISIONS				
LET	DESCRIPTION	PREP'D BY	DATE	APPROVED



TYPICAL WELD PATTERN FOR 20 GA. METAL DECK

NOT TO SCALE

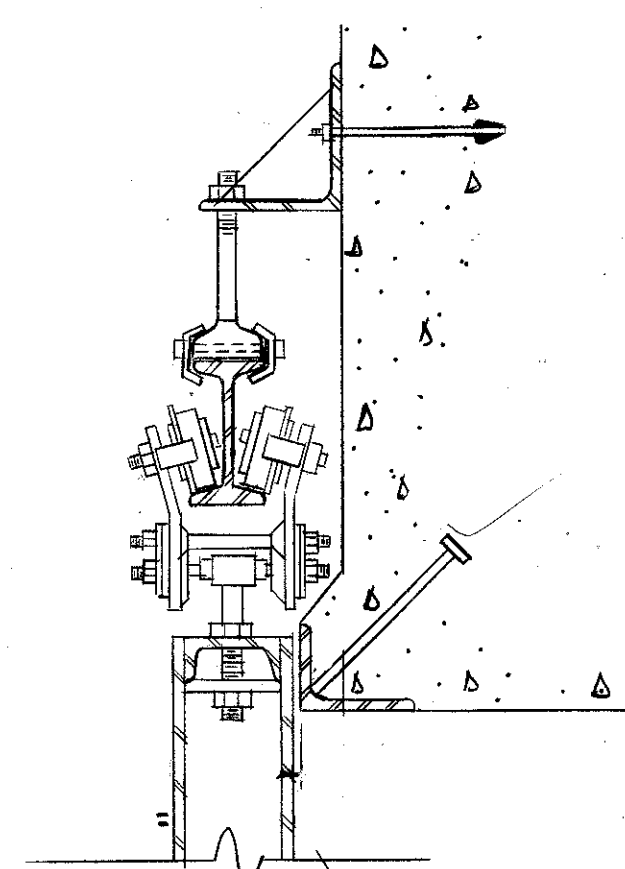
NOTE: 20 GA. TYPICAL OVER LOW ROOF AREA.



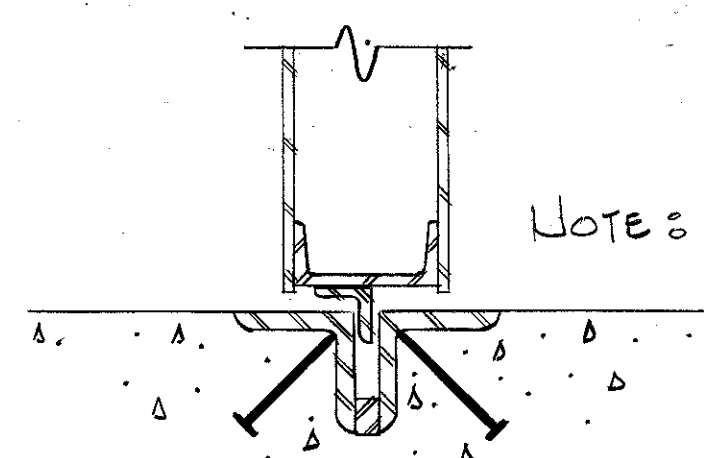
TYPICAL WELD PATTERN FOR 24 GA. METAL DECK

NOT TO SCALE

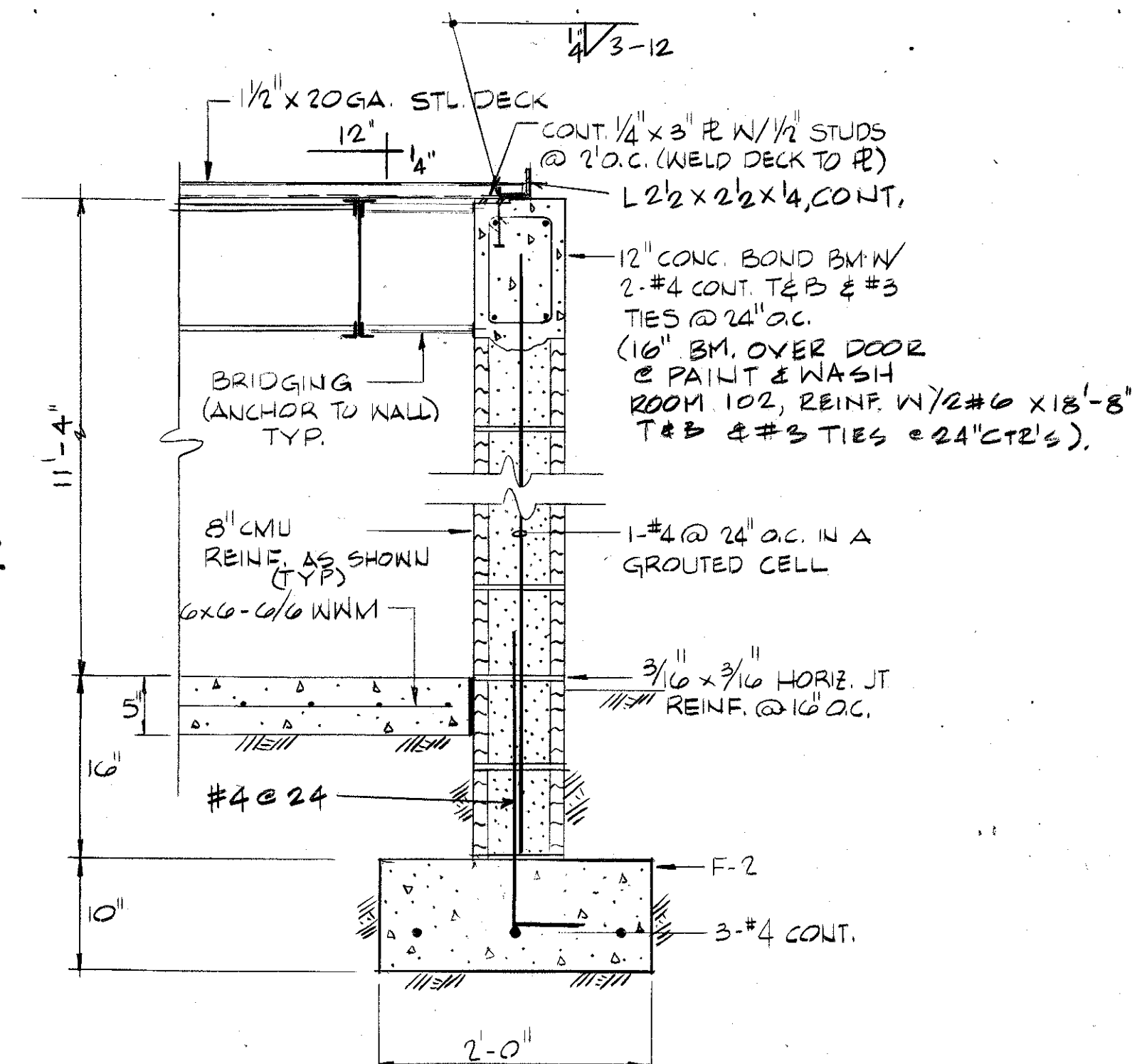
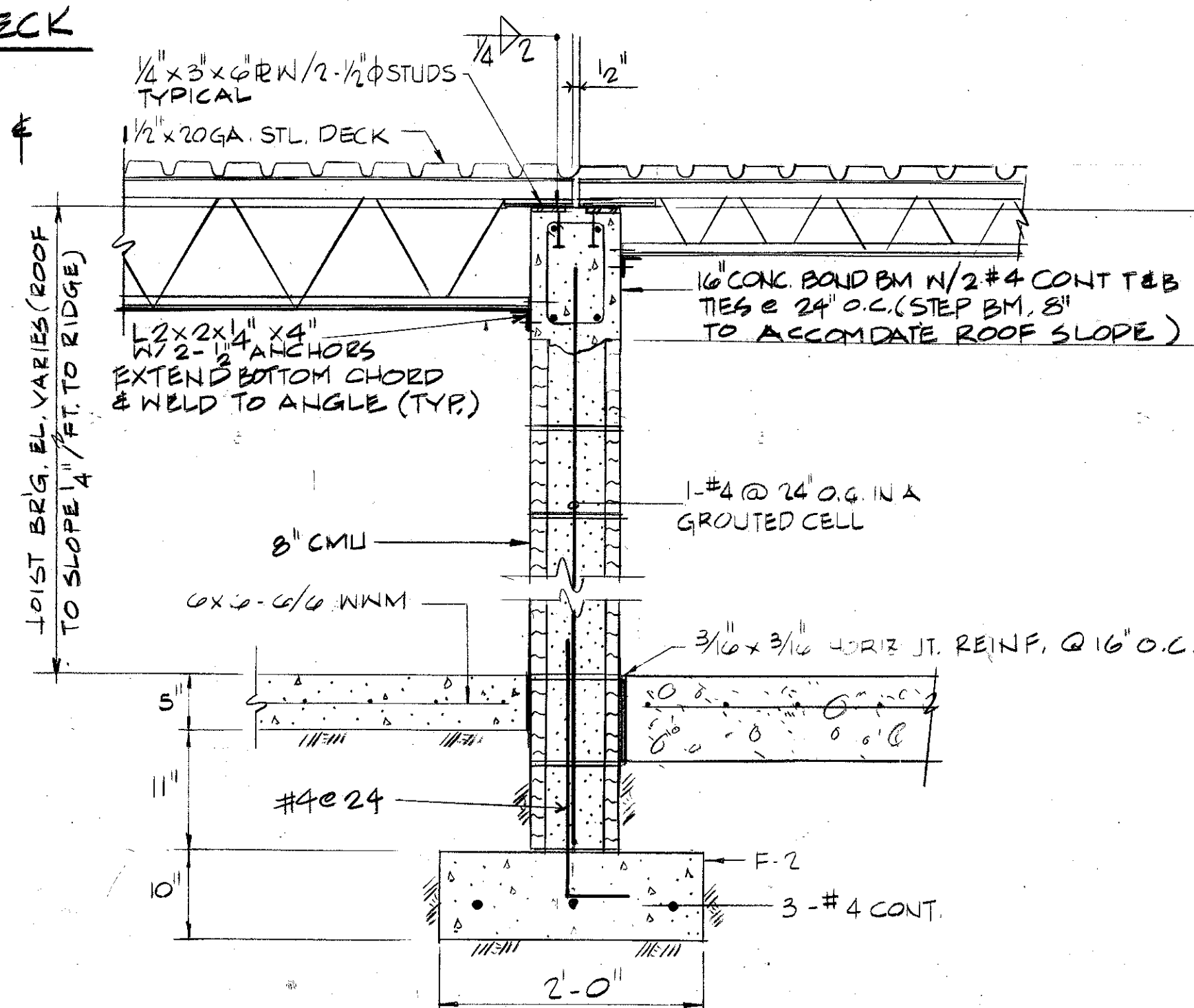
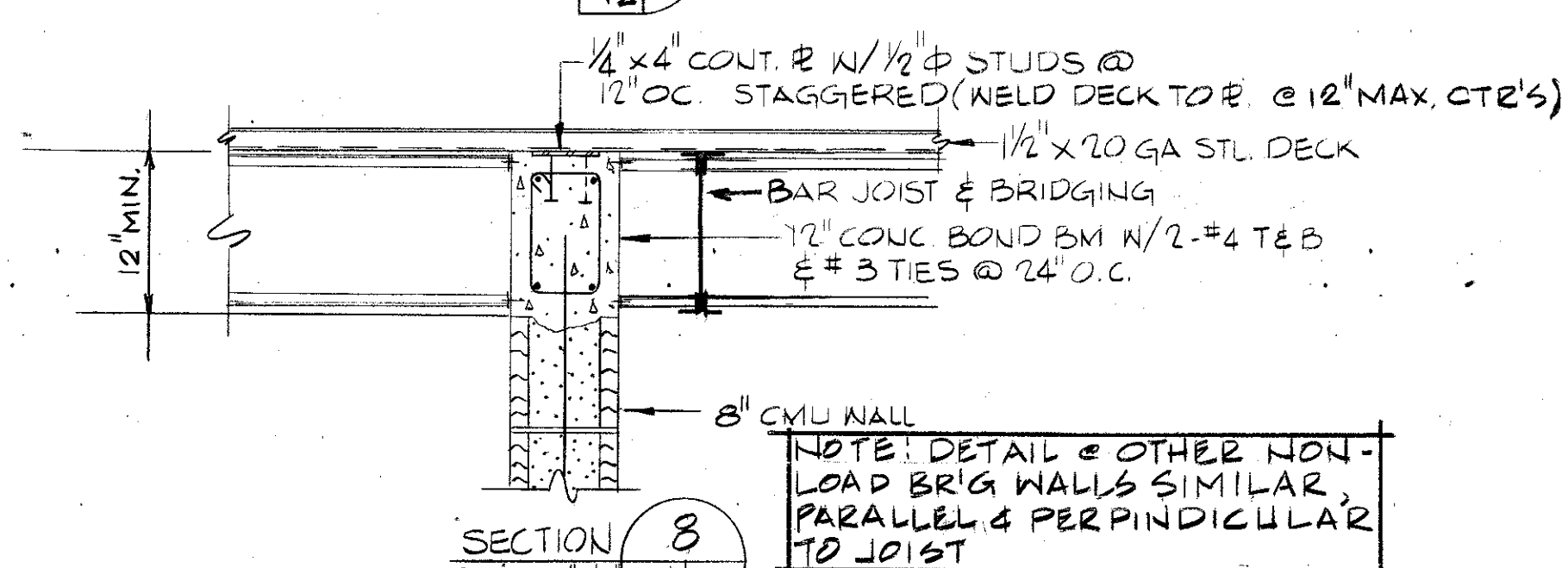
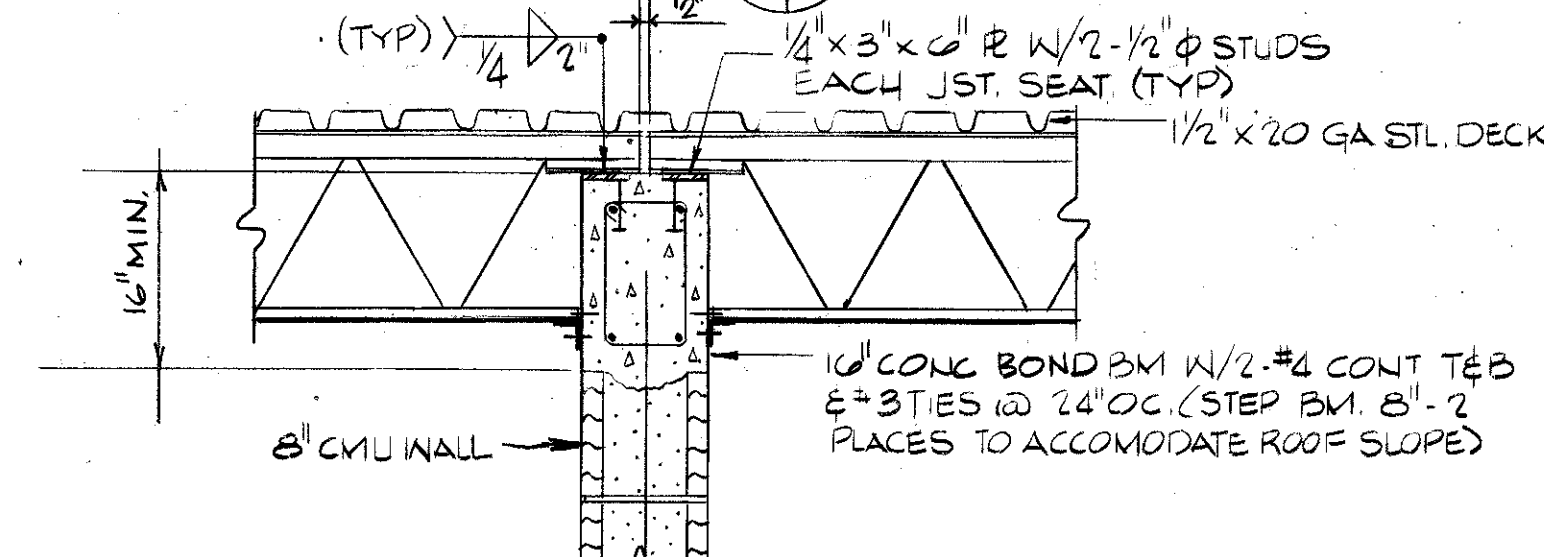
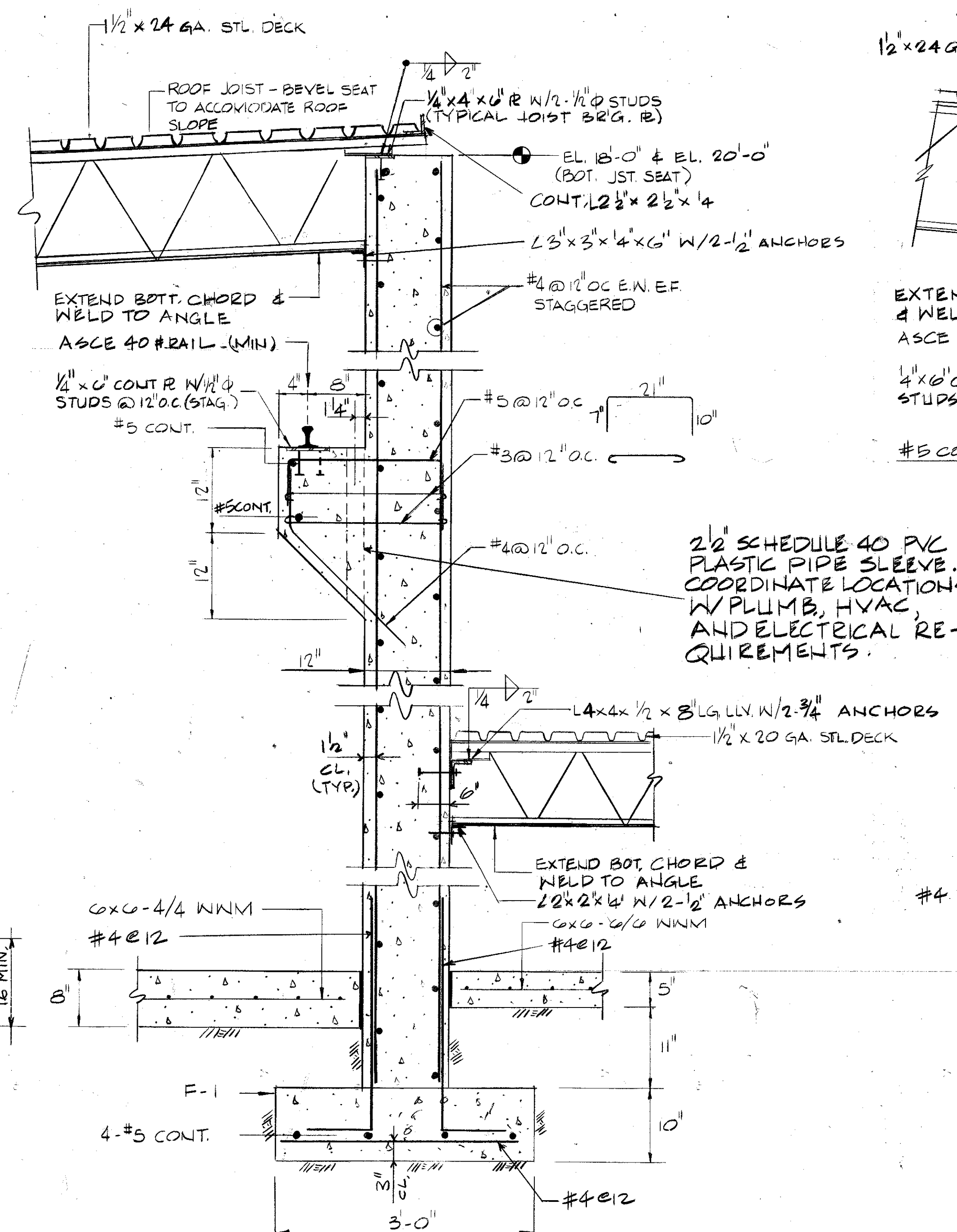
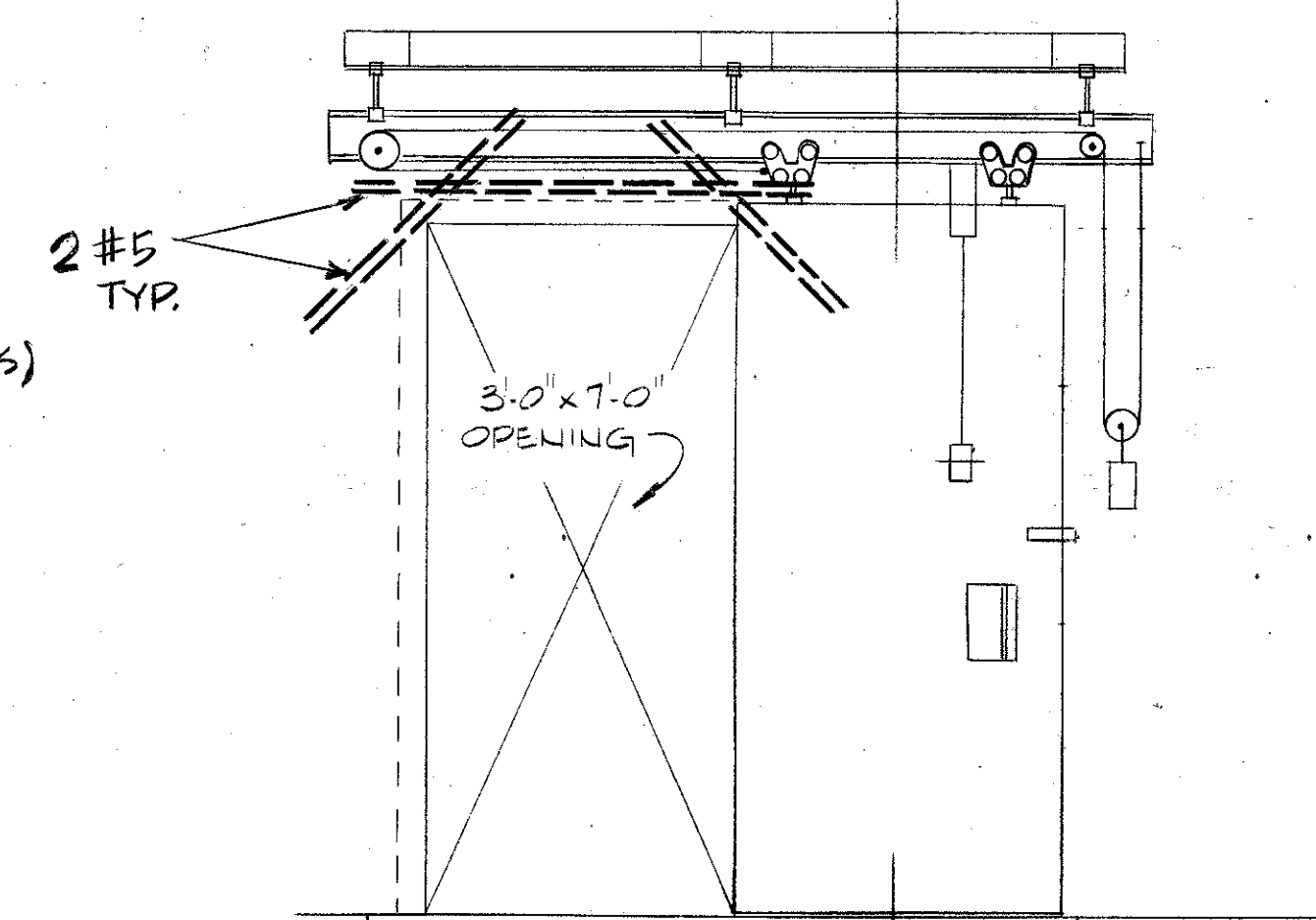
NOTE: 24 GA. TYPICAL OVER (HIGH ROOFS) MAINTENANCE & SHOP AREAS.



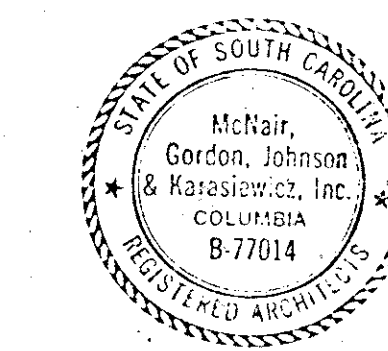
NOTE: SEE SPEC. SECTION 08302

SECTION 6
NO SCALE

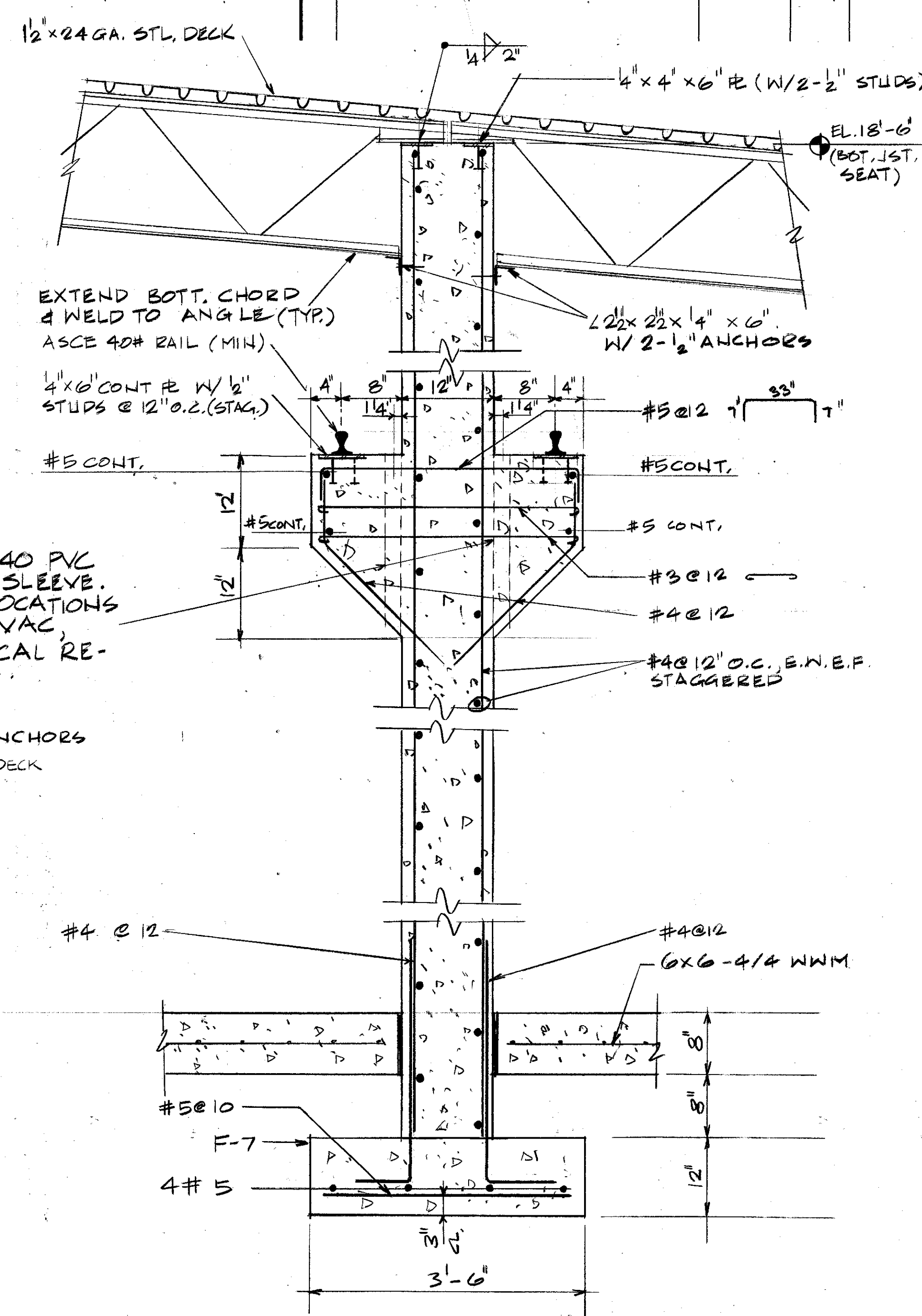
NOTE: SEE SPEC. SECTION 08302.

SECTION 7
NO SCALESECTION 1
SCALE: 1"=1'-0"SECTION 2
SCALE: 1"=1'-0"SECTION 3
SCALE: 1"=1'-0"SECTION 4
SCALE: 1"=1'-0"SECTION 5
SCALE: 1"=1'-0"SECTION 6
SCALE: 1"=1'-0"TYPICAL BLAST DOOR ELEV. - 4 REQ'D.
NO SCALE

AS-BUILT

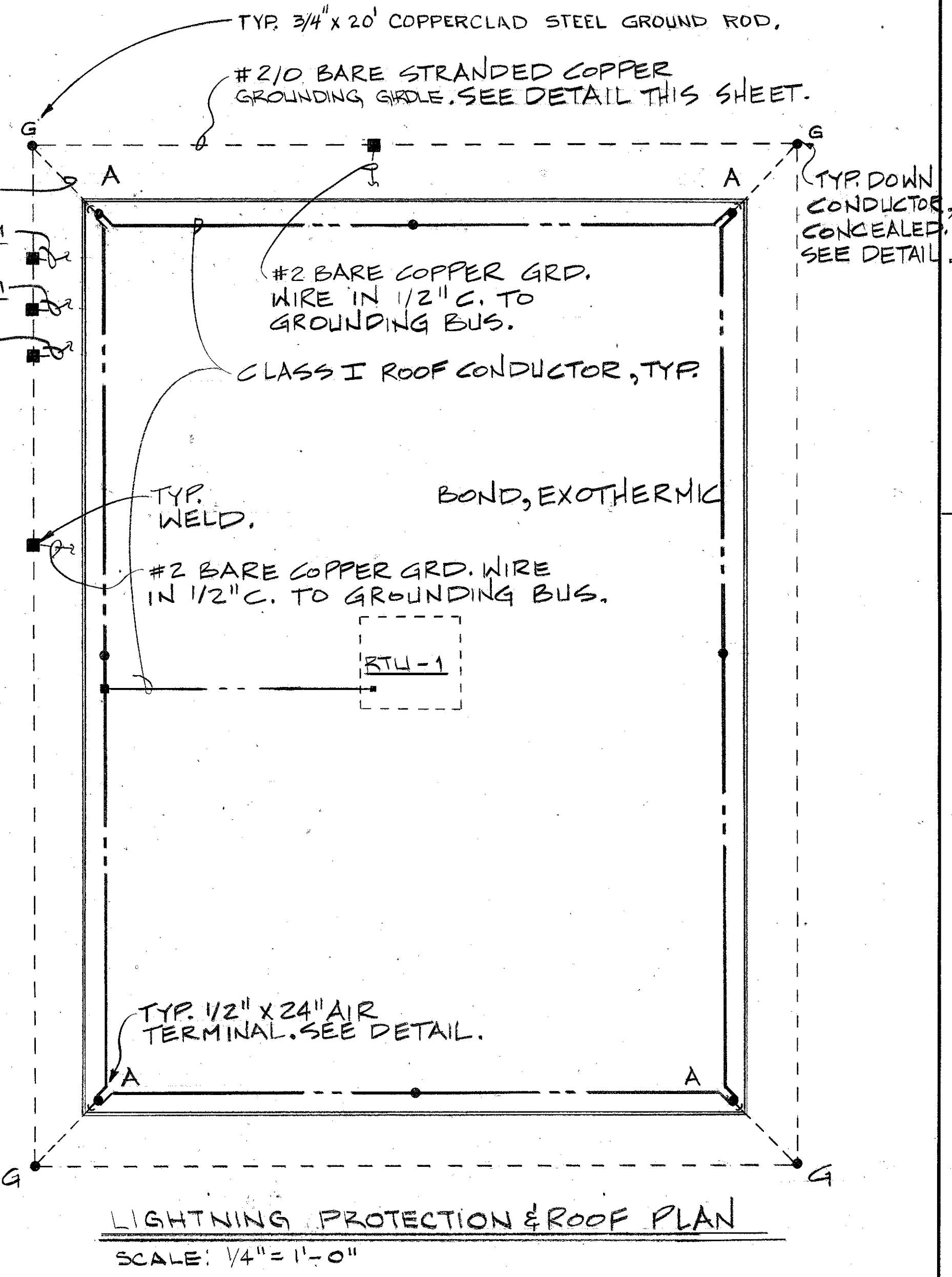
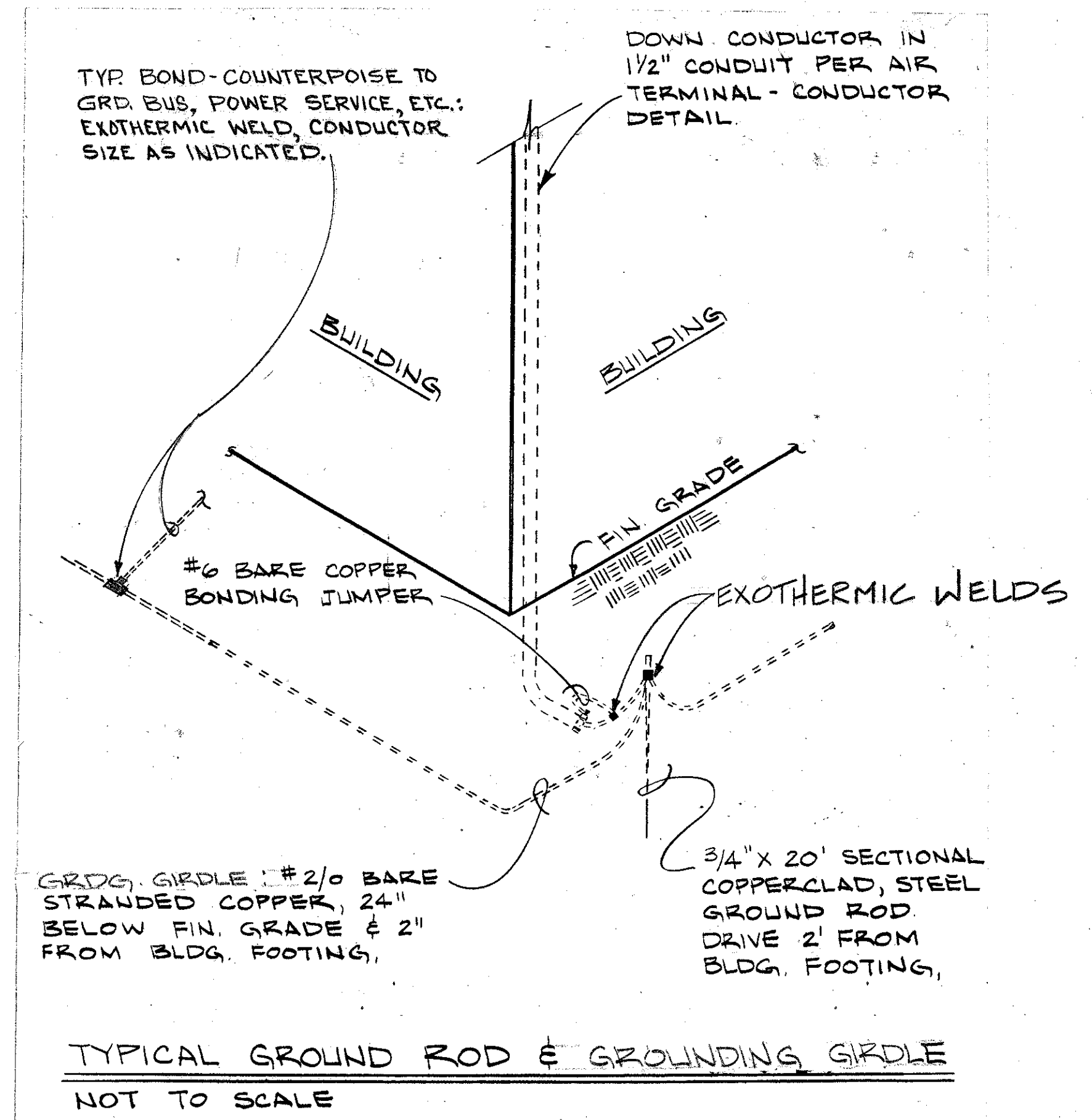
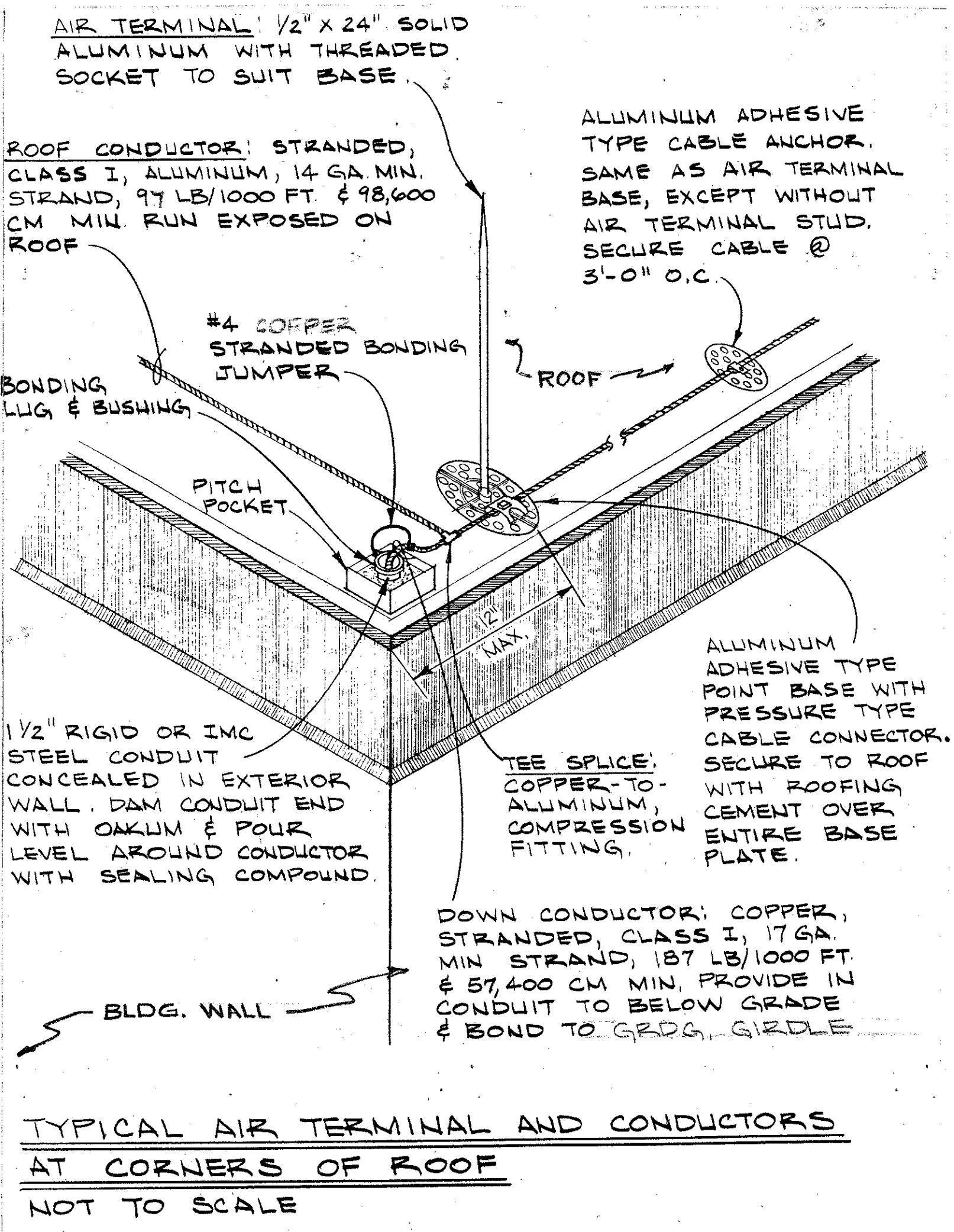
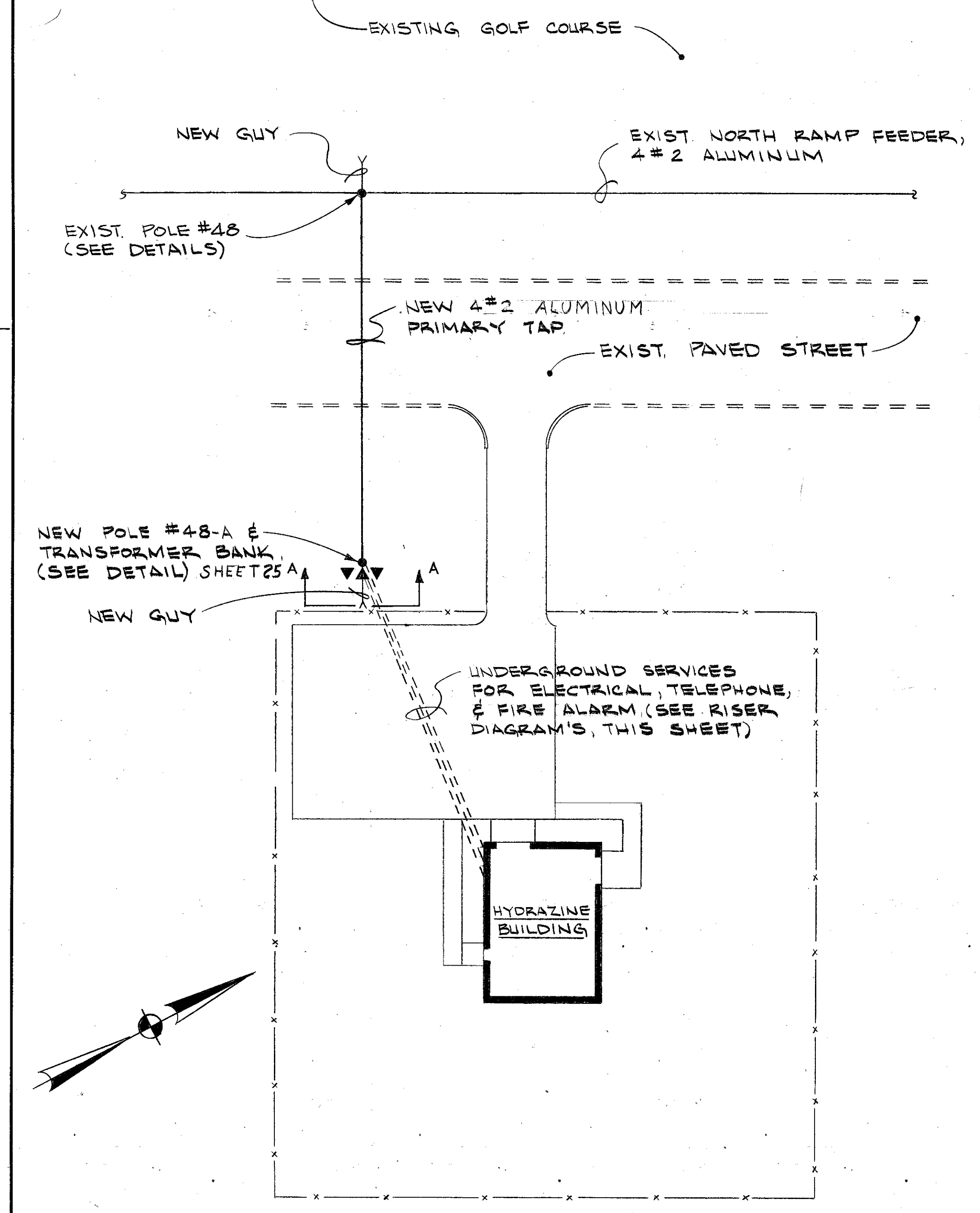
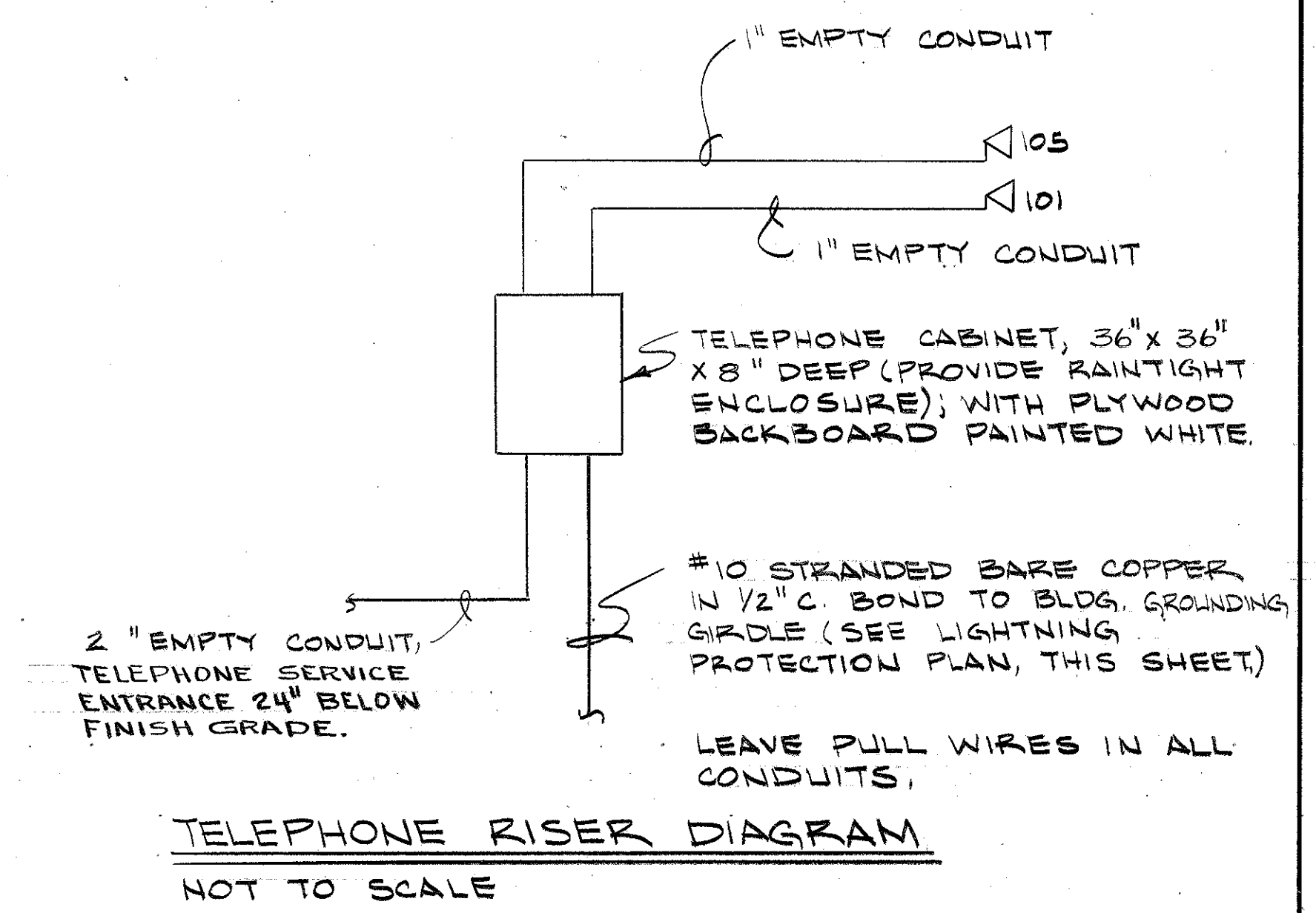
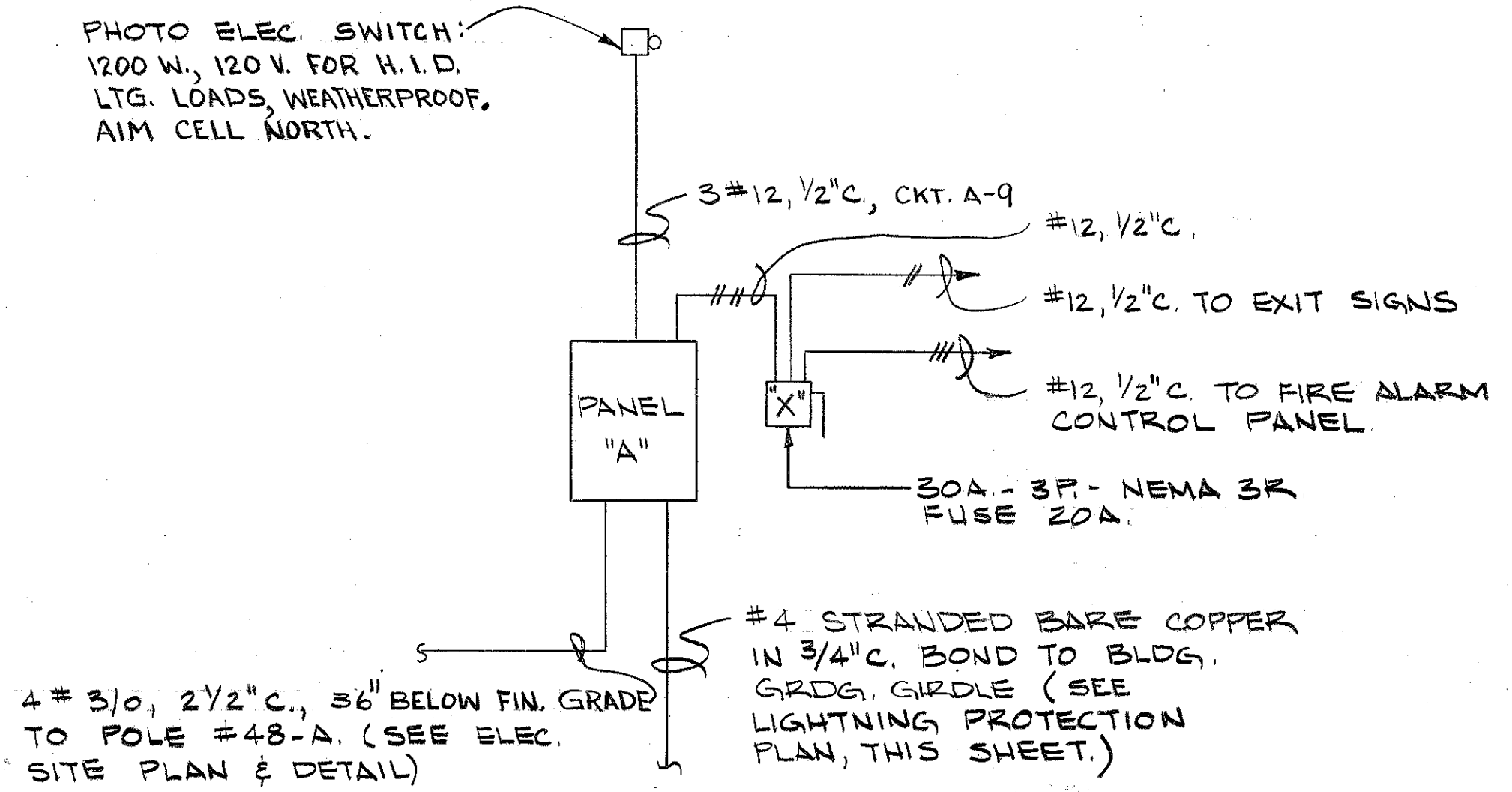
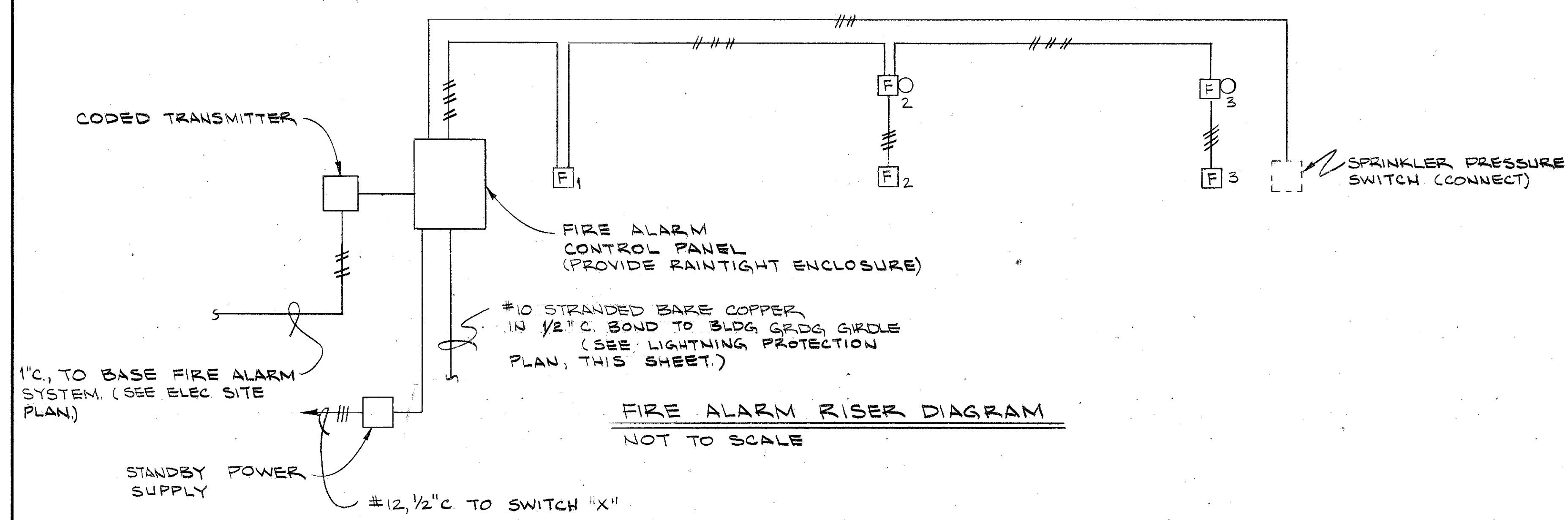


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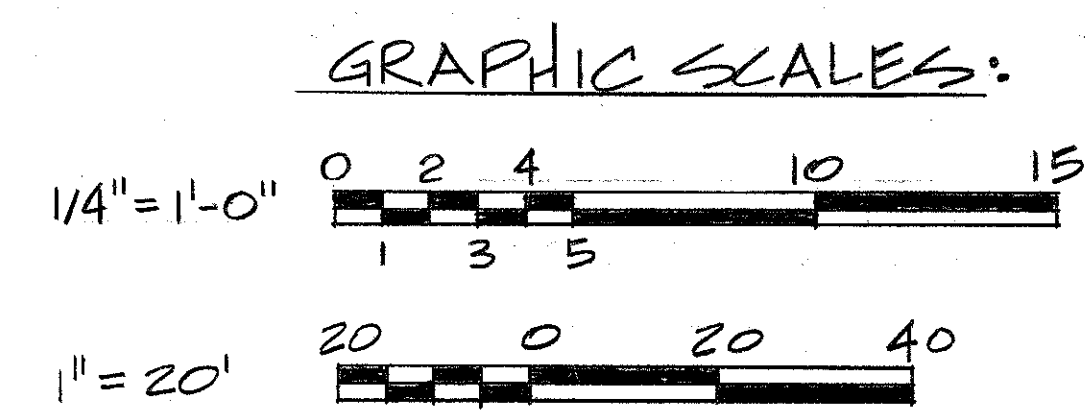
SECTION 7
SCALE: 1"=1'-0"

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McNAIR, GORDON, JOHNSON & KARASIEWICZ ARCHITECTS-ENGINEERS-PLANNERS P.O. BOX 64 COLUMBIA, S.C. 29202	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTHERN DIVISION CHARLESTON, S.C.
DESIGN: COLLIER, MOORE, CHK, MABEY SURV: MABEY, CH ENGR SUBMITTED BY: W. R. WILSON FIRM MEMBER (TITLE): SOUTHERN DIV-DESIGN DIVISION PDR: MABEY, DIR	SHAW AIR FORCE BASE SOUTH CAROLINA HYDRAZINE FAC. & BLDG 1816 STRUCTURAL DETAILS
APPROVED: [Signature] OFFICER IN CHARGE DATE: 11/19/80	SIZE: F CODE IDENT. NO.: 80091 NAVFAC DRAWING NO.: 5071266 CONSTR CONTR NO.: N62467-80-C-0026 SPEC 06-80-0026 SHEET 13 OF 25

NOTE: ALL EQUIPMENT INSIDE BLDG. SHALL BE EXPLOSION PROOF, CLASS I, DIV. I, GROUPS C, D.



LIGHTNING PROTECTION DETAILS FOR MISSILE ASSEMBLY AND HYDRAZINE BUILDINGS



McNair, Gordon, Johnson & Karasiewicz, Inc.
ARCH. & ENGR. SEAL

DESIGN		CHK	
WHITE	DW	WHITE	CH
WHITE	CH	WHITE	ENGR
SUBMITTER'S DATE: 7/12/80		DATE: 7/12/80	
SOUTHERN DIV. DESIGN DIVISION		SOUTHERN DIV. DESIGN DIVISION	
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APPROVED	DATE	APPROVED	DATE
[Signature]	7/12/80	[Signature]	7/12/80
OFFICER IN CHARGE		OFFICER IN CHARGE	
[Signature]		[Signature]	
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[Signature]	7/12/80	[Signature]	7/12/80
EFD FOR COMMANDER, NAVFAC		EFD FOR COMMANDER, NAVFAC	

DESIGN		CHK	
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WHITE	CH	WHITE	ENGR
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EFD FOR COMMANDER, NAVFAC		EFD FOR COMMANDER, NAVFAC	

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EFD FOR COMMANDER, NAVFAC		EFD FOR COMMANDER, NAVFAC	

DESIGN		CHK	
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WHITE	CH	WHITE	ENGR
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EFD FOR COMMANDER, NAVFAC		EFD FOR COMMANDER, NAVFAC	

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WHITE	CH	WHITE	ENGR
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EFD FOR COMMANDER, NAVFAC		EFD FOR COMMANDER, NAVFAC	

DESIGN		CHK	
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WHITE	CH	WHITE	ENGR
SUBMITTER'S DATE: 7/12/80		DATE: 7/12/80	
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EFD FOR COMMANDER, NAVFAC		EFD FOR COMMANDER, NAVFAC	

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APPROVED	DATE	APPROVED	DATE
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EFD FOR COMMANDER, NAVFAC		EFD FOR COMMANDER, NAVFAC	

DESIGN		CHK	
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WHITE	CH	WHITE	ENGR
SUBMITTER'S DATE: 7/12/80		DATE: 7/12/80	
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[Signature]		[Signature]	
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[Signature]	7/12/80	[Signature]	7/12/80
EFD FOR COMMANDER, NAVFAC		EFD FOR COMMANDER, NAVFAC	

DESIGN		CHK	
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WHITE	CH	WHITE	ENGR
SUBMITTER'S DATE: 7/12/80		DATE: 7/12/80	
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[Signature]		[Signature]	
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EFD FOR COMMANDER, NAVFAC		EFD FOR COMMANDER, NAVFAC	

DESIGN		CHK	
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WHITE	CH	WHITE	ENGR
SUBMITTER'S DATE: 7/12/80		DATE: 7/12/80	
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EFD FOR COMMANDER, NAVFAC		EFD FOR COMMANDER, NAVFAC	

DESIGN		CHK	
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EFD FOR COMMANDER, NAVFAC		EFD FOR COMMANDER, NAVFAC	

DESIGN		CHK	
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WHITE	CH	WHITE	ENGR
SUBMITTER'S DATE: 7/12/80		DATE: 7/12/80	
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EFD FOR COMMANDER, NAVFAC		EFD FOR COMMANDER, NAVFAC	

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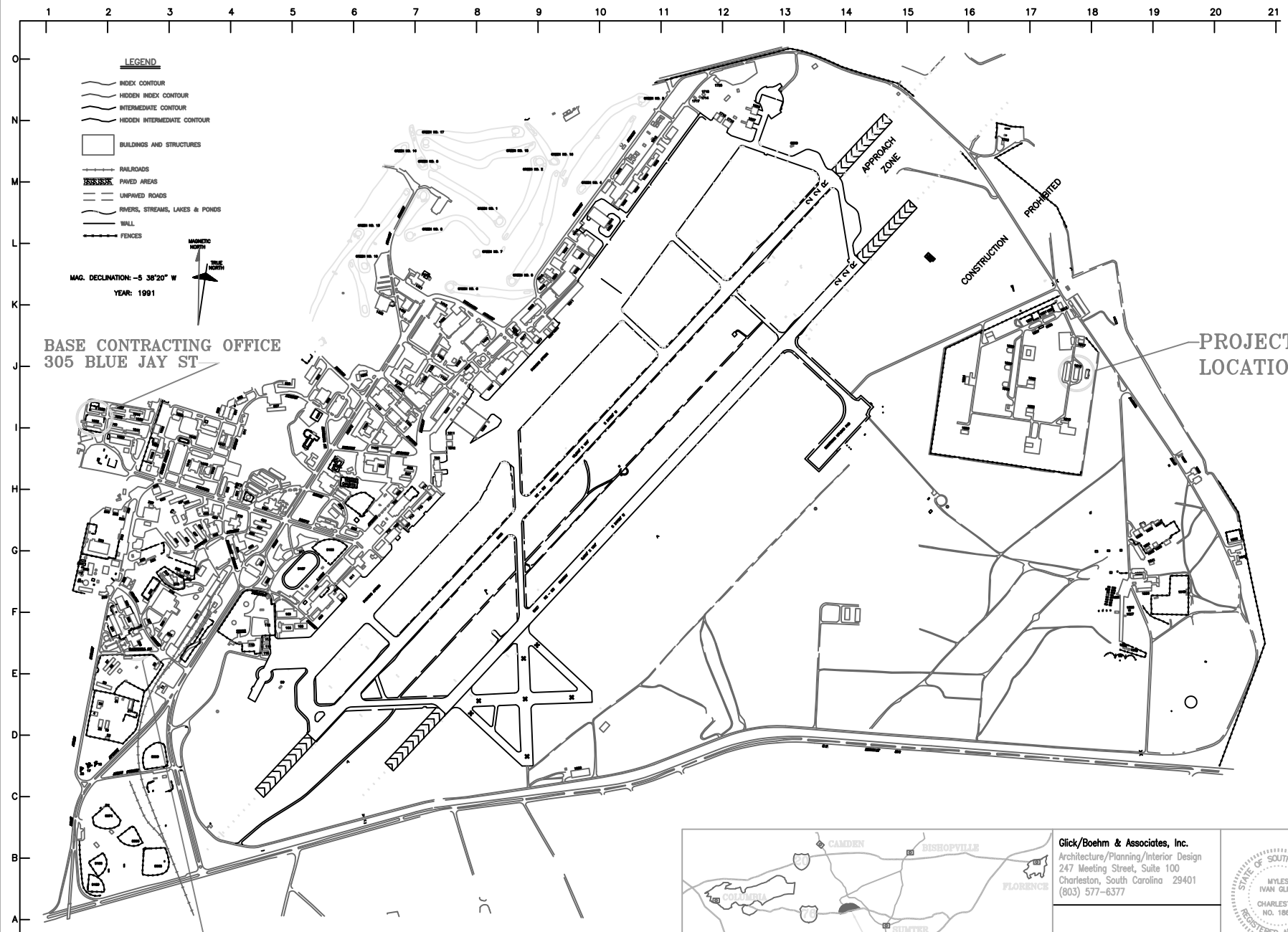
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EFD FOR COMMANDER, NAVFAC		EFD FOR COMMANDER, NAVFAC	

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WHITE	CH	WHITE	ENGR
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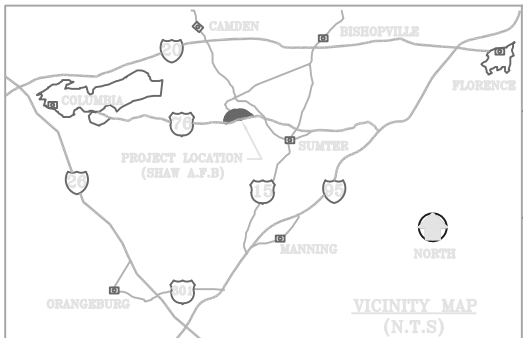
CONSTRUCT ADDITION TO MISSILE MAINTENANCE BUILDING 1816



BASE CONTRACTING OFFICE
305 BLUE JAY ST

CE CONTRACT
MANAGEMENT
428 CHAPIN ST

LOCATION MAP
N.T.S.



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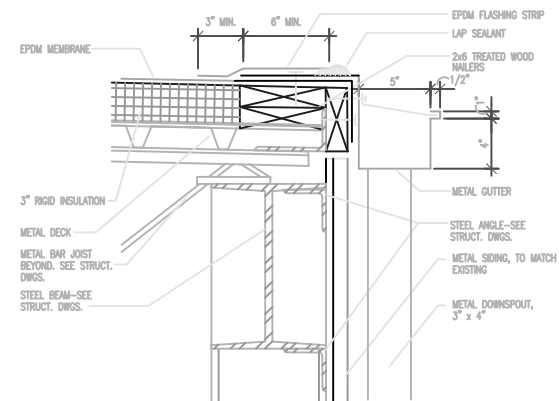
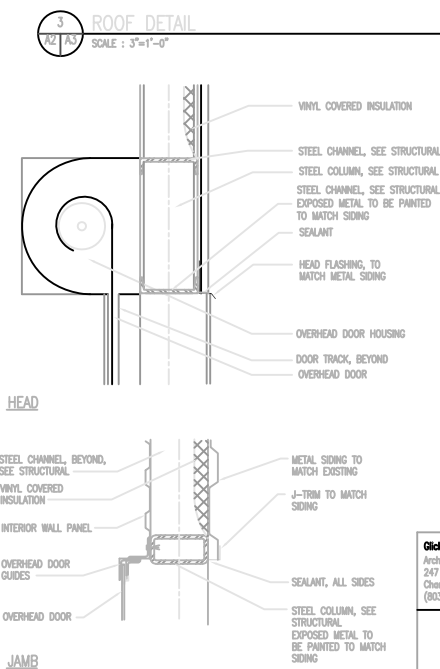
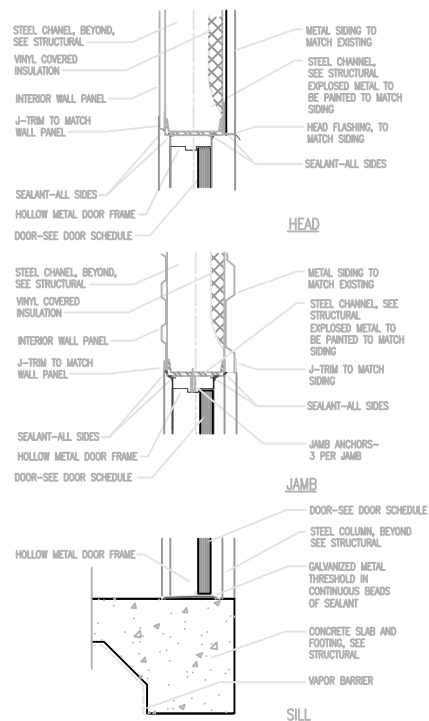
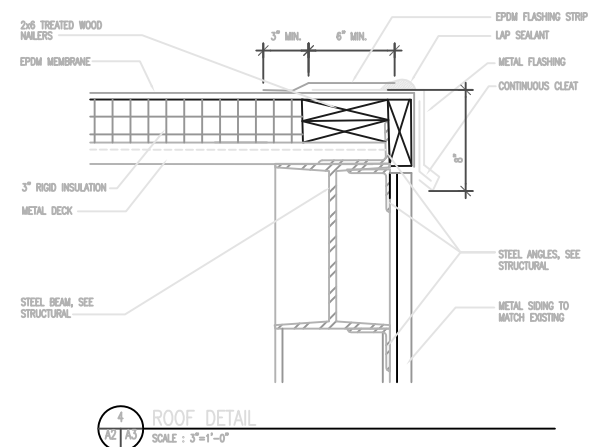
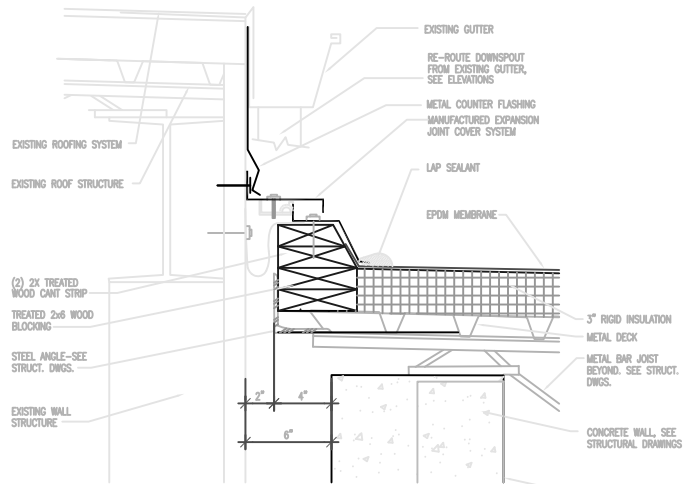
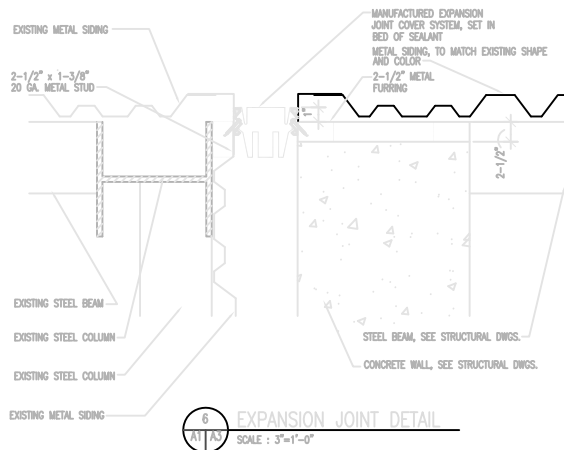
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DRAWING INDEX

SHEET 1 OF 23	T1	COVER SHEET, LOCATION MAP & DRAWING INDEX
SHEET 2 OF 23	C1	EXISTING SITE PLAN
SHEET 3 OF 23	C2	NEW SITE PLAN
SHEET 4 OF 23	A1	FLOOR PLAN & ELEVATIONS
SHEET 5 OF 23	A2	EXTERIOR ELEVATIONS, BUILDING SECTIONS & WALL SECTIONS
SHEET 6 OF 23	A3	DOOR & ROOF DETAILS
SHEET 7 OF 23	S1	FOUNDATION AND ROOF FRAMING
SHEET 8 OF 23	S2	SECTIONS, DETAILS, & GENERAL NOTES
SHEET 9 OF 23	FP1	FIRE PROTECTION PLAN, LEGEND AND NOTES
SHEET 10 OF 23	FP2	FIRE PROTECTION DETAILS
SHEET 11 OF 23	M1	MECHANICAL LEGEND, NOTES AND SCHEDULES
SHEET 12 OF 23	M2	MECHANICAL PLAN
SHEET 13 OF 23	M3	MECHANICAL DETAILS
SHEET 14 OF 23	M4	MECHANICAL DETAILS
SHEET 15 OF 23	M5	MECHANICAL CONTROL DIAGRAMS, SEQUENCE OF OPERATION, AND DETAILS
SHEET 16 OF 23	P1	PLUMBING PLAN, DETAILS, LEGEND AND NOTES
SHEET 17 OF 23	E1	ELECTRICAL LEGEND AND RISERS
SHEET 18 OF 23	E2	ELECTRICAL LIGHTING AND LIGHTNING PROTECTION PLAN AND DETAILS
SHEET 19 OF 23	E3	ELECTRICAL POWER AND FIRE ALARM PLAN AND DETAILS
SHEET 20 OF 23	E4	ELECTRICAL DETAILS
SHEET 21 OF 23	E5	PANEL SCHEDULES
SHEET 22 OF 23	E6	FIRE ALARM FLOOR PLAN
SHEET 23 OF 23	E7	RISER DIAGRAM AND DETAIL

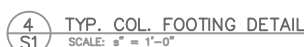
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DEPARTMENT OF THE AIR FORCE AIR COMBAT COMMAND				
SHAW AFB, S.C. CIVIL ENGINEER OFFICE				
CONSTRUCT ADDITION TO MISSILE MAINT. B1816 COVER SHEET, LOCATION MAP & DRAWING INDEX				
CHECKED BY WILSON	DRAWN BY WILSON	DATE 09/19/97	SCALE NO SCALE	
PROJECT NO. SHA 96-0044	DRAWING NO. 60044S01	SHEET 1 OF 23		
REVIEWED CORROSION ENGINEER		APPROVED CHIEF ENGINEER		
REVIEWED CONSTRUCTION MANAGEMENT		APPROVED USING AGENCY		
REVIEWED FOR FIRE REGULATIONS		APPROVED BRAC CIVIL ENGINEER		
REVIEWED FOR SAFETY PROVISIONS		APPROVED S&CC		
REVIEWED BIOCHEMICAL HEALTH		REVIEWED BASE COMMUNICATIONS		
REVIEWED C&I & M		REVIEWED COMMUNITY PLANNER		



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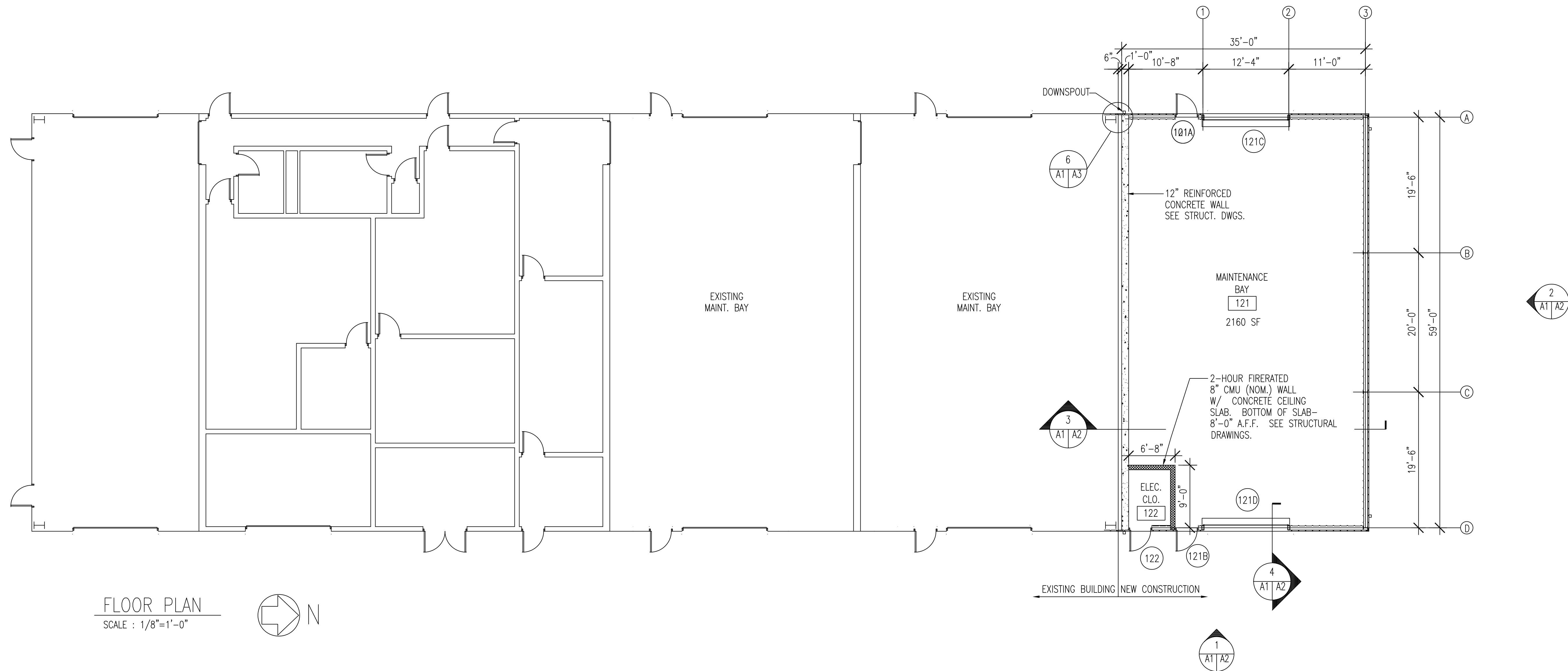
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REV	DATE	DESCRIPTION	BY	APPROVED	
DEPARTMENT OF THE AIR FORCE AIR COMBAT COMMAND SHAW A.F.B. S.C. CIVIL ENGINEER OFFICE					
CONSTRUCT ADDITION TO MISSILE MAINT. B1816 DOOR & ROOF DETAILS					
DESIGNED BY WILSON		DATE 09/19/97		SCALE AS NOTED	
PROJECT NO. SHA 96-0044		DRAWING NO. 60044S06		SHEET 6 OF 23	

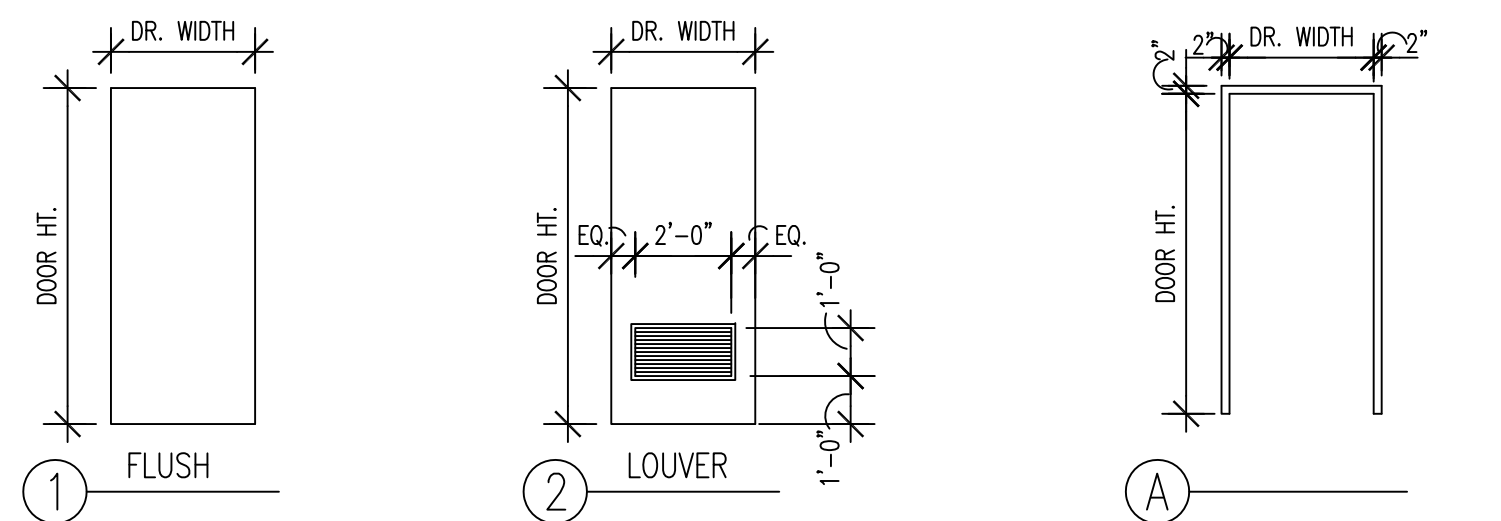


S1

[illegible]



DOOR SCHEDULE											
NUMBER	TYPE	MATL	WIDTH	HEIGHT	THICK	UL	HDW	FTYPE	FMATL	DETAIL	REMARKS
121A	1	HM	3'-0"	7'-0"	1 3/4"	-	1	A	HM	1/A3	-
121B	1	HM	3'-0"	7'-0"	1 3/4"	-	1	A	HM	1/A3	-
121C	*	METAL	12'-0"	10'-0"	*	-	-	*	*	2/A3	*OVERHEAD DOOR - 16 GAGE
121D	*	METAL	12'-0"	10'-0"	*	-	-	*	*	2/A3	*OVERHEAD DOOR - 16 GAGE
122	2	HM	3'-0"	7'-0"	1 3/4"	-	2	A	HM	1/A3	-



ABBREVIATIONS	
HM	- HOLLOW METAL

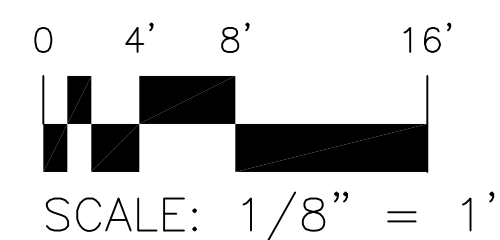
NOTE

ROOM NUMBERS 100 - 120 ARE REFERENCED ON ELECTRICAL DRAWINGS.

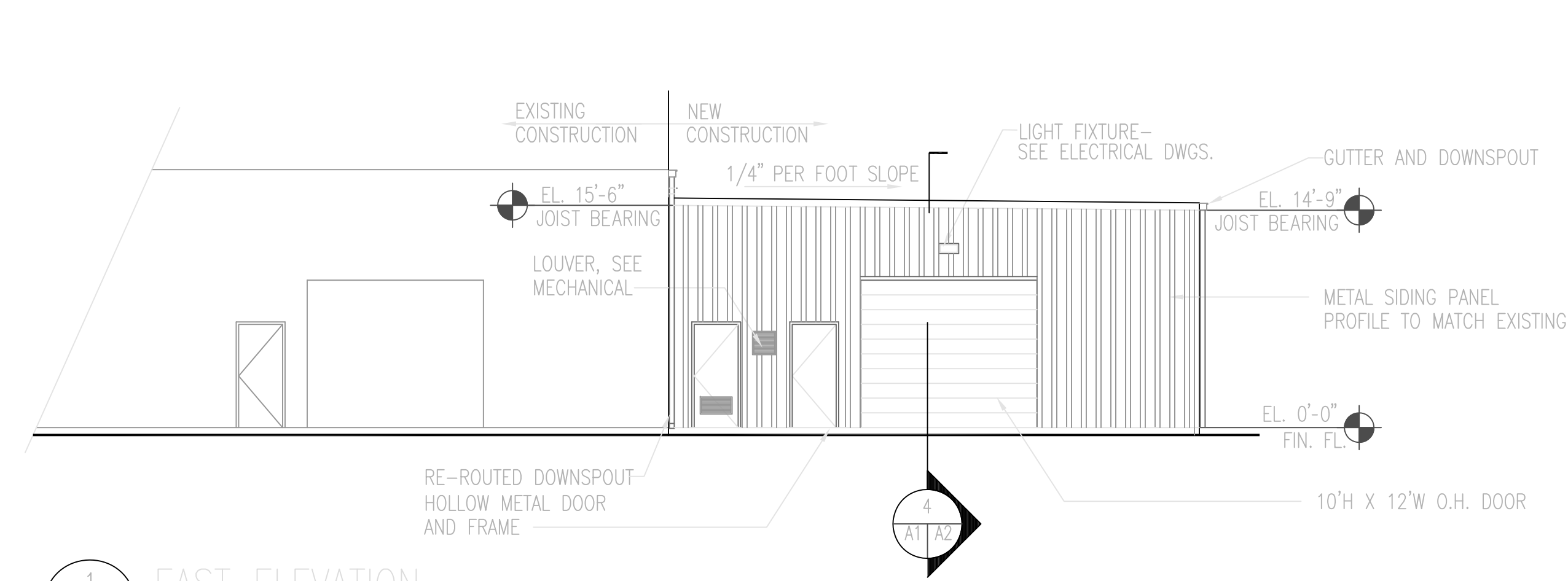
LEGEND	
	CMU WALL
ROOM NAME ###	ROOM NAME AND NUMBER
	DOOR MARK-SEE SCHEDULE

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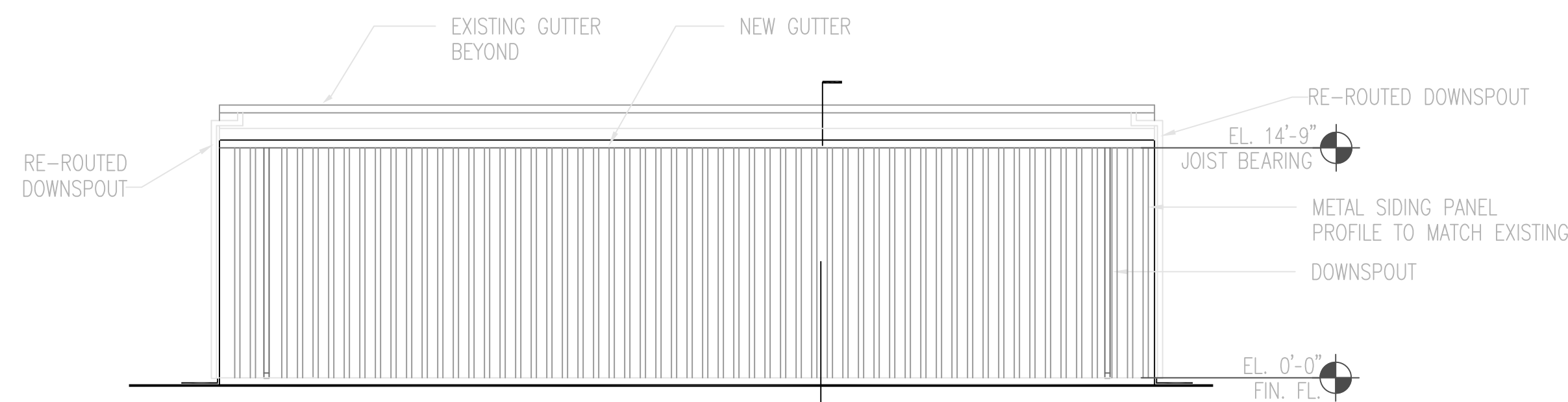
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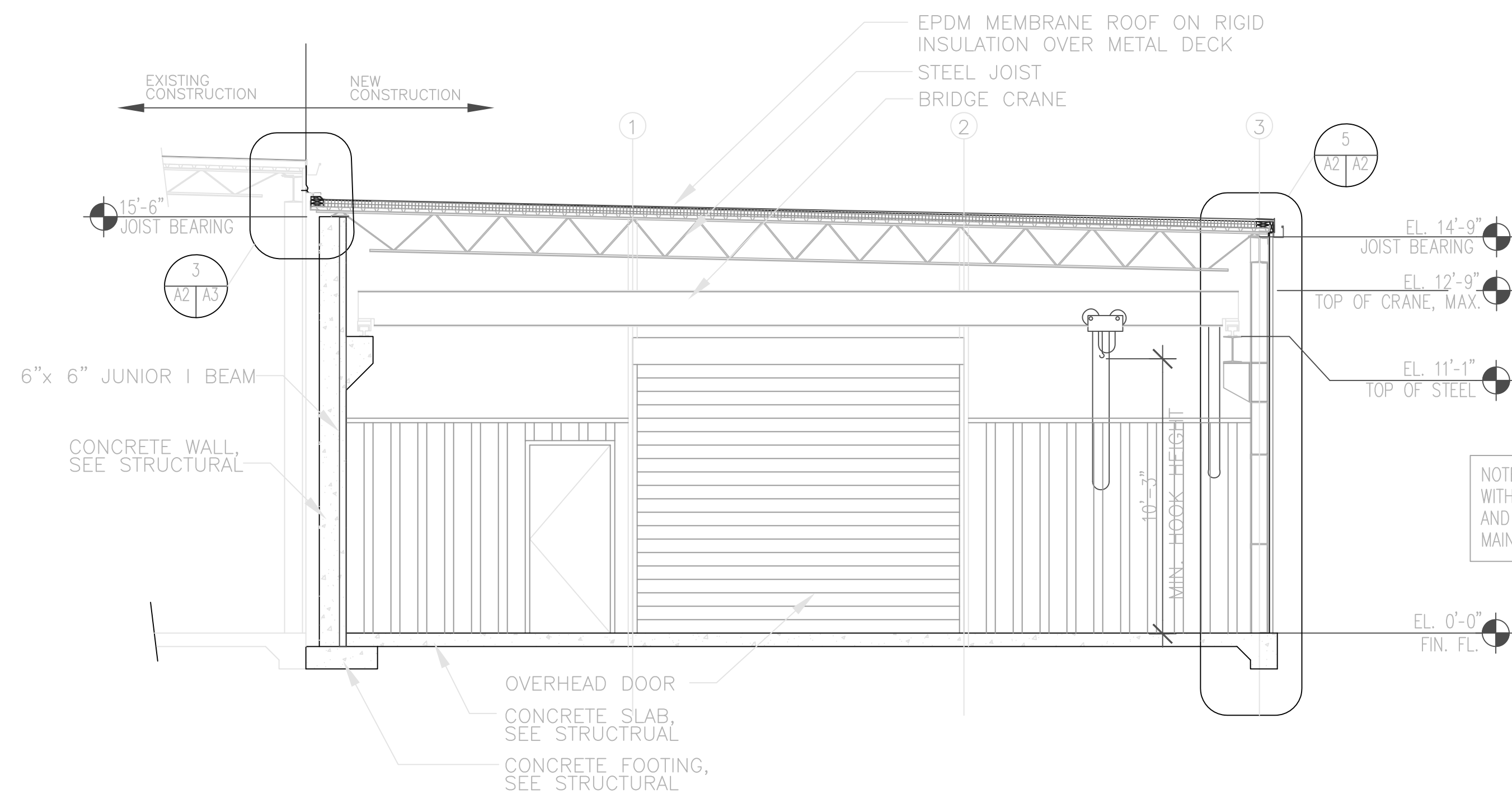
REV	DATE	DESCRIPTION	BY	APPROVED
DEPARTMENT OF THE AIR FORCE AIR COMBAT COMMAND				
SHAW A.F.B. S.C. CIVIL ENGINEER OFFICE				
CONSTRUCT ADDITION TO MISSILE MAINT. B1816 FLOOR PLAN & ELEVATIONS				
CHECKED BY WILSON		DRAWN BY WILSON		DATE 09/19/97
PROJECT NO. SHA 96-0044		DRAWING NO. 60044S04		SCALE 1/8" = 1'-0"
				SHEET 4 OF 23



1 EAST ELEVATION
SCALE : 1/8"=1'-0"

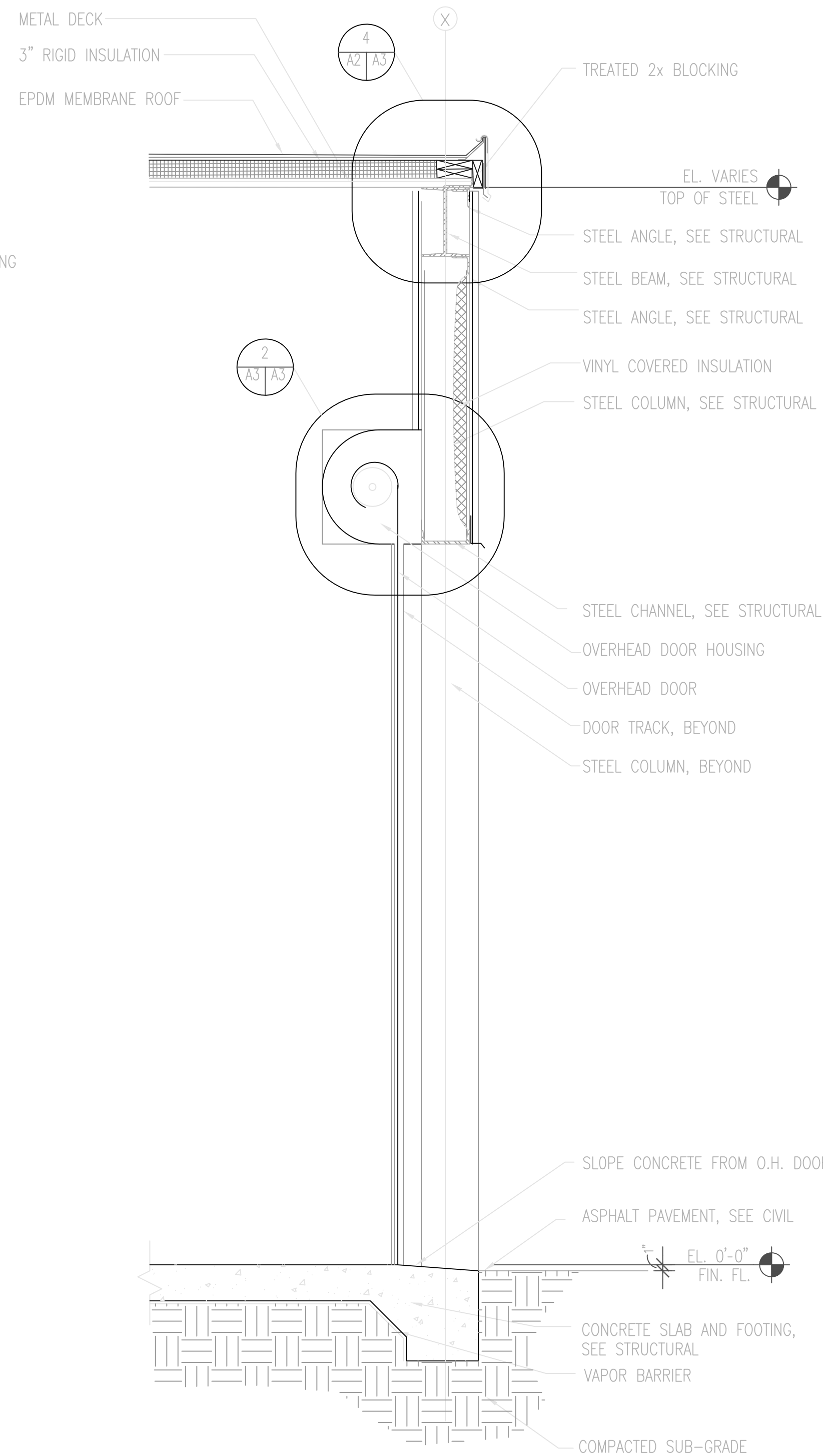


2 NORTH ELEVATION
SCALE : 1/8"=1'-0"

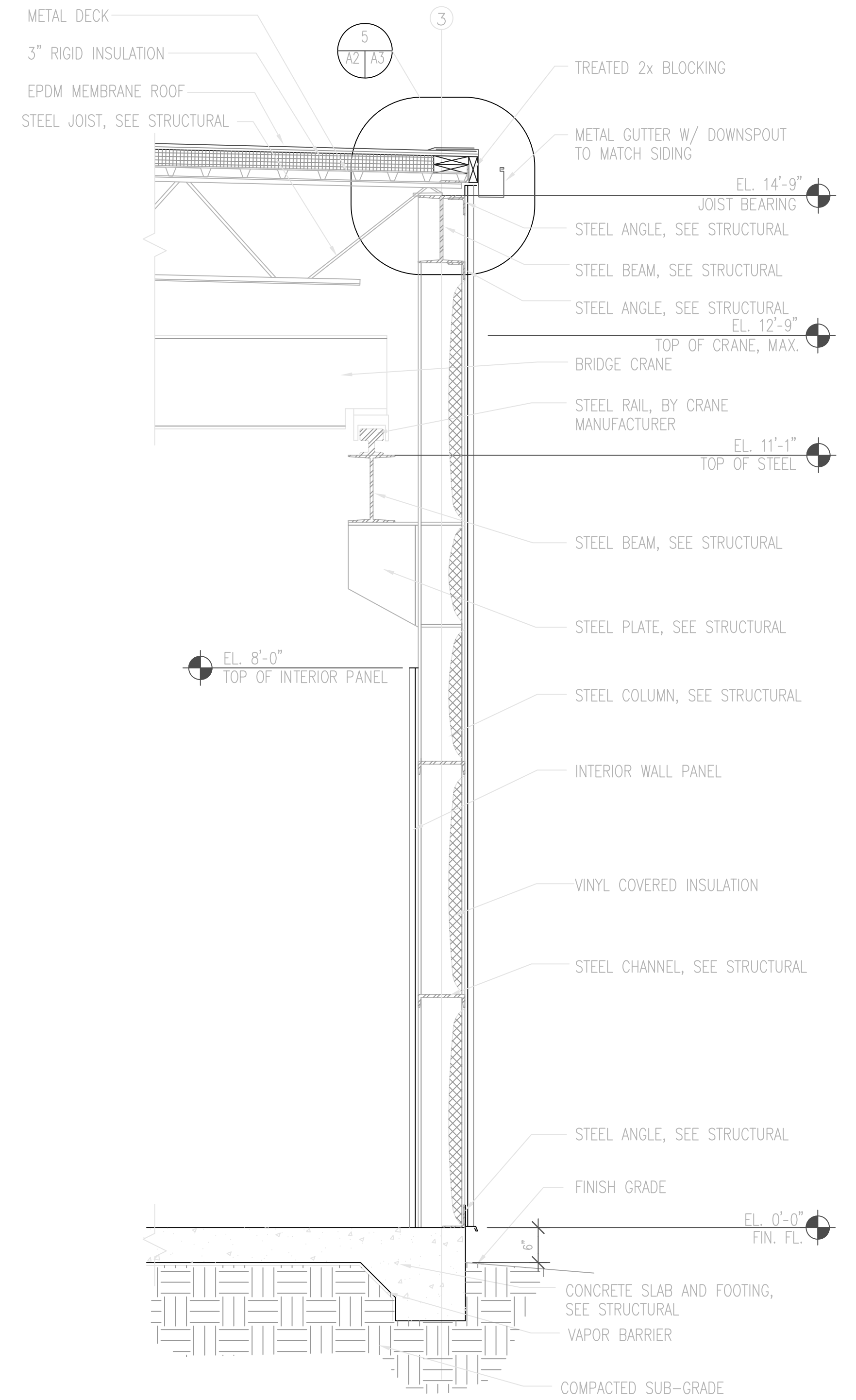


3 BUILDING SECTION
SCALE : 1/4"=1'-0"

NOTE: VERIFY ALL DIMENSIONS WITH BRIDGE CRANE SUPPLIER AND ADJUST AS NECESSARY TO MAINTAIN 10'-3" HOOK HEIGHT.



4 WALL SECTION
SCALE : 3/4"=1'-0"



5 WALL SECTION
SCALE : 3/4"=1'-0"

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A2

REV	DATE	DESCRIPTION	BY	APPROVED
DEPARTMENT OF THE AIR FORCE AIR COMBAT COMMAND SHAW A.F.B. S.C. CIVIL ENGINEER OFFICE				
CONSTRUCT ADDITION TO MISSILE MAINT. B1816 EXTERIOR ELEVATIONS, BUILDING SECTIONS & WALL SECTIONS				
CHECKED BY	WILSON	DRAWN BY	JEC	DATE
				09/19/97
PROJECT NO.	SHA 96-0044	DRAWING NO.	60044S05	SCALE
				AS NOTED
				SHEET
				5 OF 23