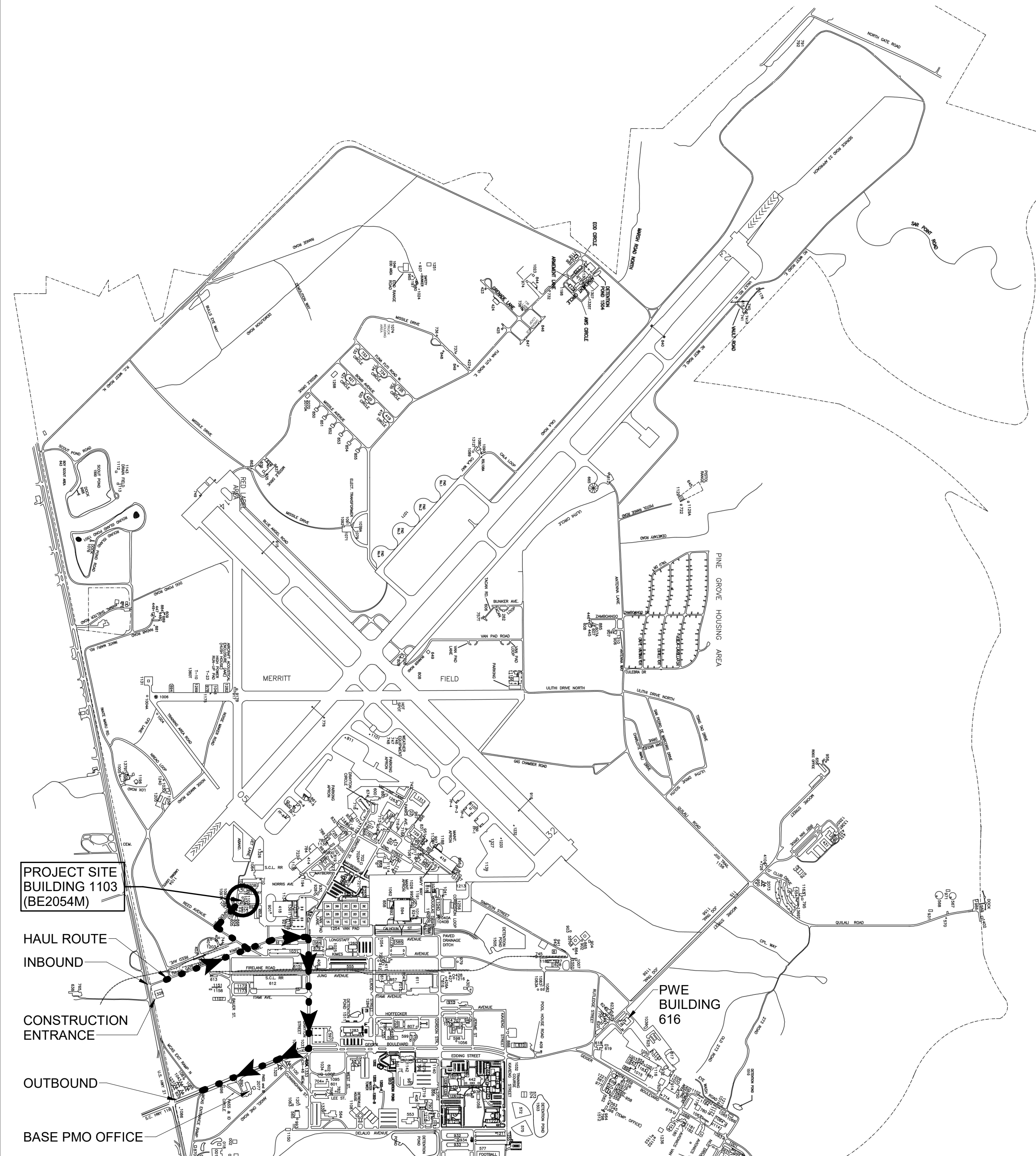




MCAS BEAUFORT REPAIR BUILDING 1103 (BE2054M)

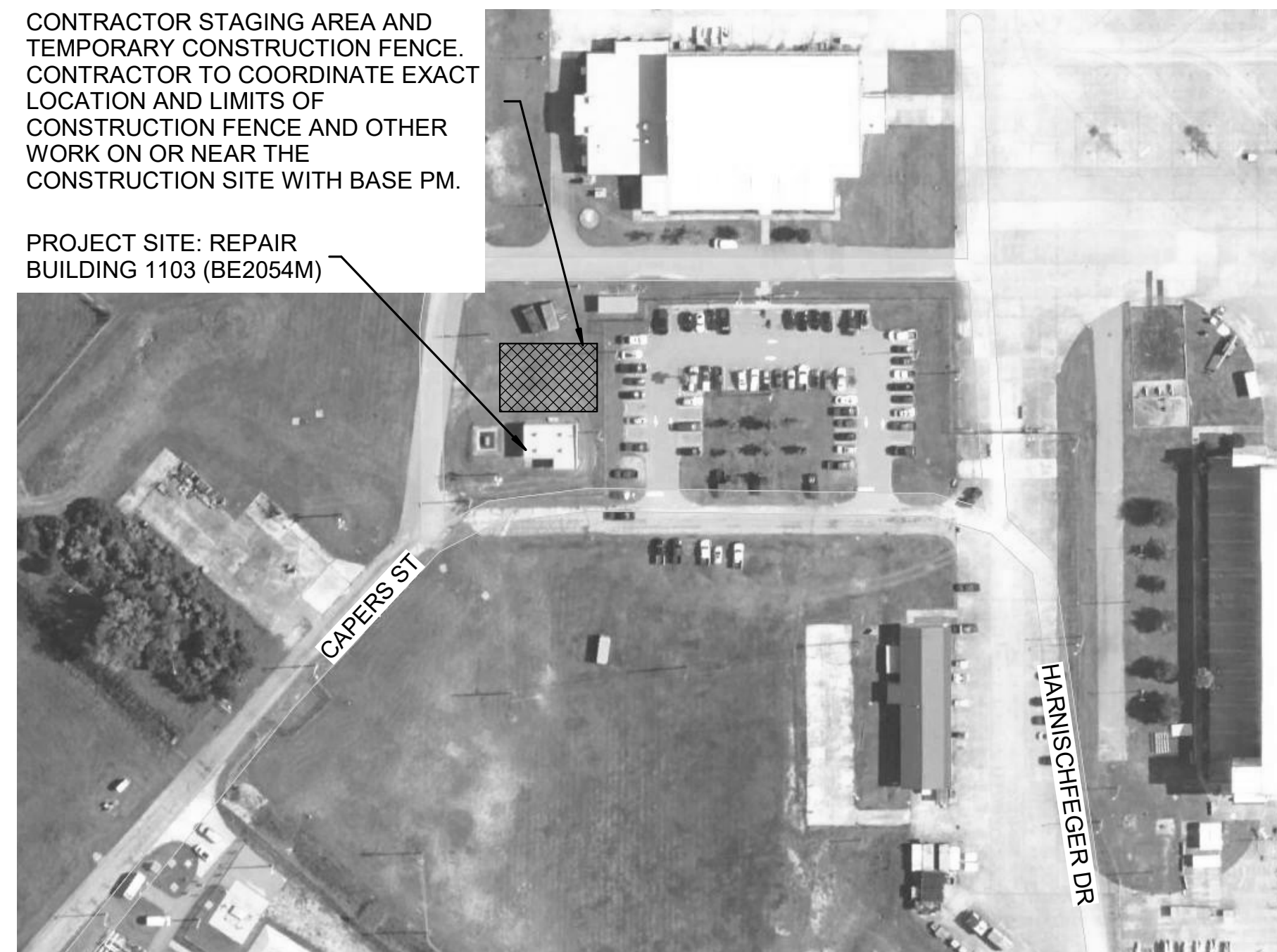
MARINE CORPS AIR STATION
BEAUFORT, SOUTH CAROLINA
04 MARCH 2024

REVISIONS			
SYM.	DESCRIPTION	DATE	APP.



PLAN NORTH
BASE LOCATION MAP
SCALE: NOT TO SCALE

INDEX OF DRAWINGS			
# OF TOTAL	P.W.#	SHEET NO.	SHEET TITLE
GENERAL			
1	28675	G-001	COVER SHEET
STRUCTURAL			
2	28676	S-001	GENERAL NOTES AND DESIGN LOADS
3	28677	S-101	DEMOLITION AND NEW WORK PLANS
4	28678	S-301	SECTIONS
5	28679	S-501	SECTIONS AND TYPICAL DETAILS
ARCHITECTURAL			
6	28680	A-001	ABBREVIATIONS, SYMBOLS AND LEGENDS
7	28681	A-002	GENERAL ARCHITECTURAL NOTES
8	28682	AD101	DEMOLITION FLOOR AND ROOF PLAN
9	28683	AD201	DEMOLITION EXTERIOR ELEVATIONS
10	28684	AD901	DEMOLITION PHOTOS
11	28685	A-101	FLOOR PLAN, REFLECTED CEILING AND ROOF PLAN
12	28686	A-201	EXTERIOR ELEVATIONS AND BUILDING SECTIONS
13	28687	A-301	SECTIONS AND DETAILS
14	28688	A-601	SCHEDULES AND DETAILS
MECHANICAL			
15	28689	M-001	LEGEND, ABBREVIATIONS, AND GENERAL NOTES
16	28690	M-101	DEMOLITION AND NEW WORK PLANS
ELECTRICAL			
17	28691	E-001	GENERAL NOTES, LEGENDS AND DETAILS
18	28692	E-101	FLOOR PLANS
19	28693	E-501	LIGHTNING PROTECTION DETAILS
TOTAL: 19			

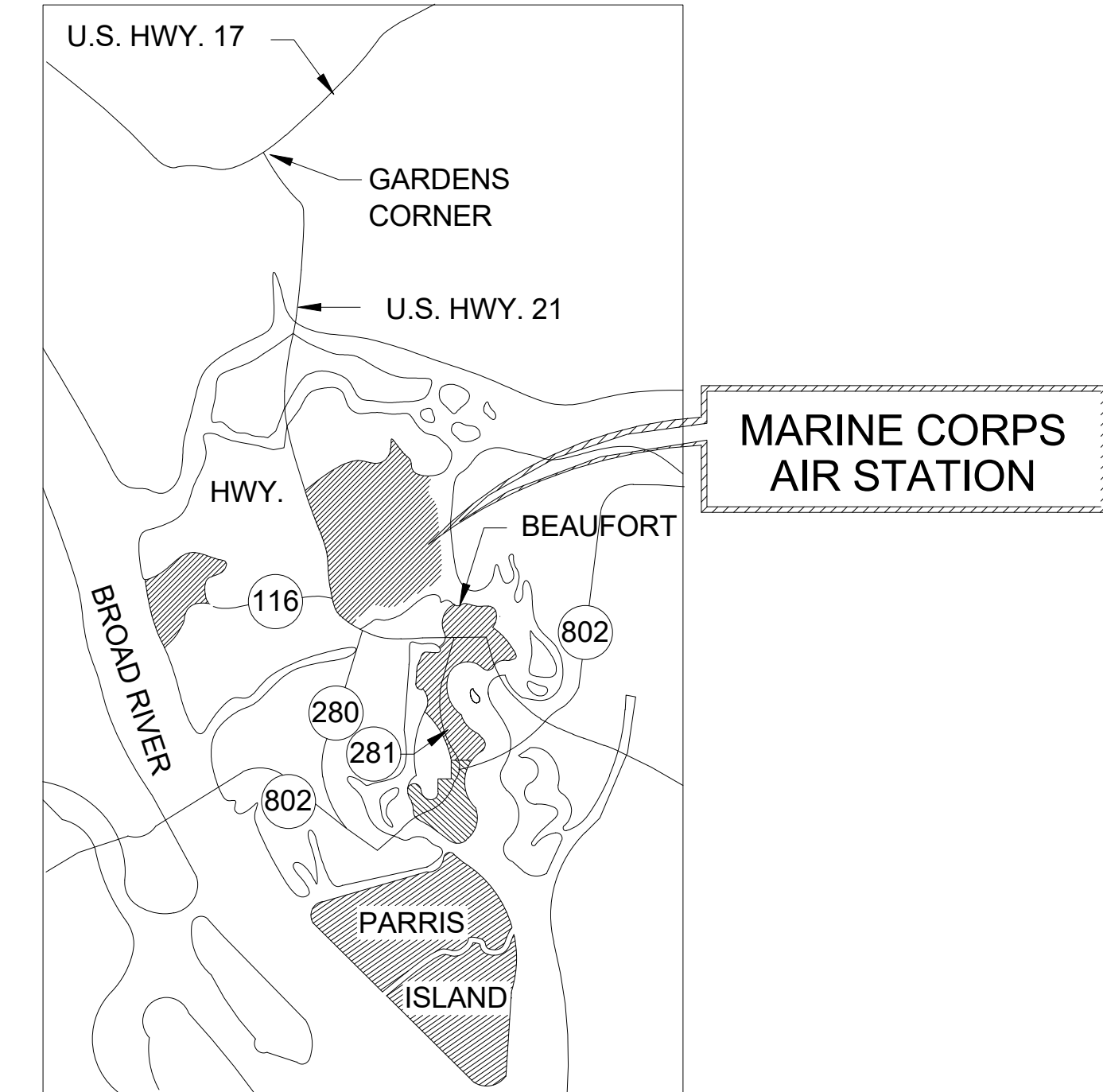


CONTRACTOR STAGING AREA AND TEMPORARY CONSTRUCTION FENCE. CONTRACTOR TO COORDINATE EXACT LOCATION AND LIMITS OF CONSTRUCTION FENCE AND OTHER WORK ON OR NEAR THE CONSTRUCTION SITE WITH BASE PM.

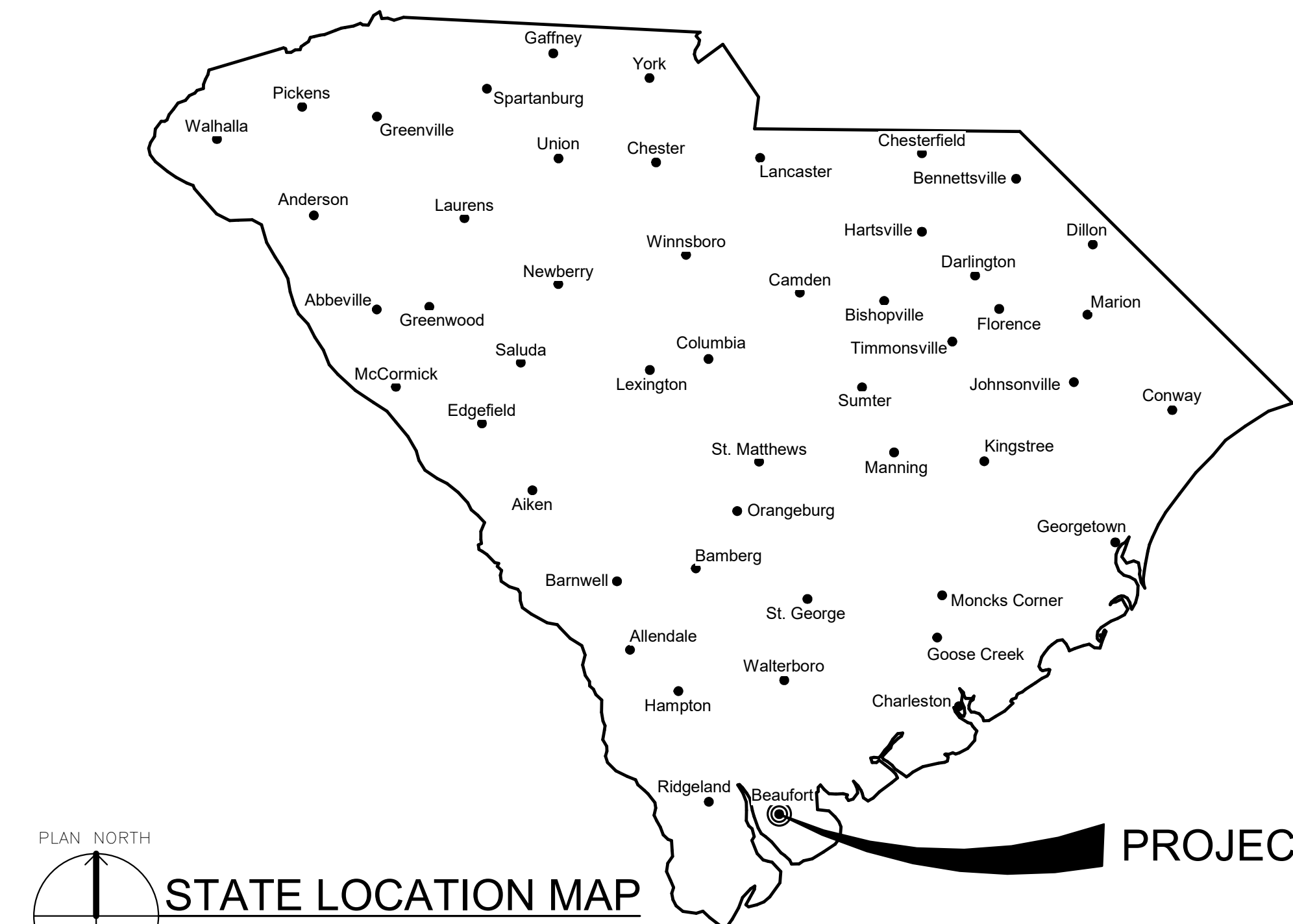
PROJECT SITE: REPAIR BUILDING 1103 (BE2054M)

PLAN NORTH
LOCATION MAP
SCALE: NOT TO SCALE

YOUR SIGNATURE ON THIS COVER SHEET APPROVES ALL SHEETS ASSOCIATED WITH THIS SET OF DRAWINGS.



PLAN NORTH
VICINITY MAP
NOT TO SCALE



PLAN NORTH
STATE LOCATION MAP
NOT TO SCALE

IF SHEET IS LESS THAN (30"x42") IT IS A REDUCED PRINT: SCALE ACCORDINGLY
ISSUE DATE: 04 MARCH 2024

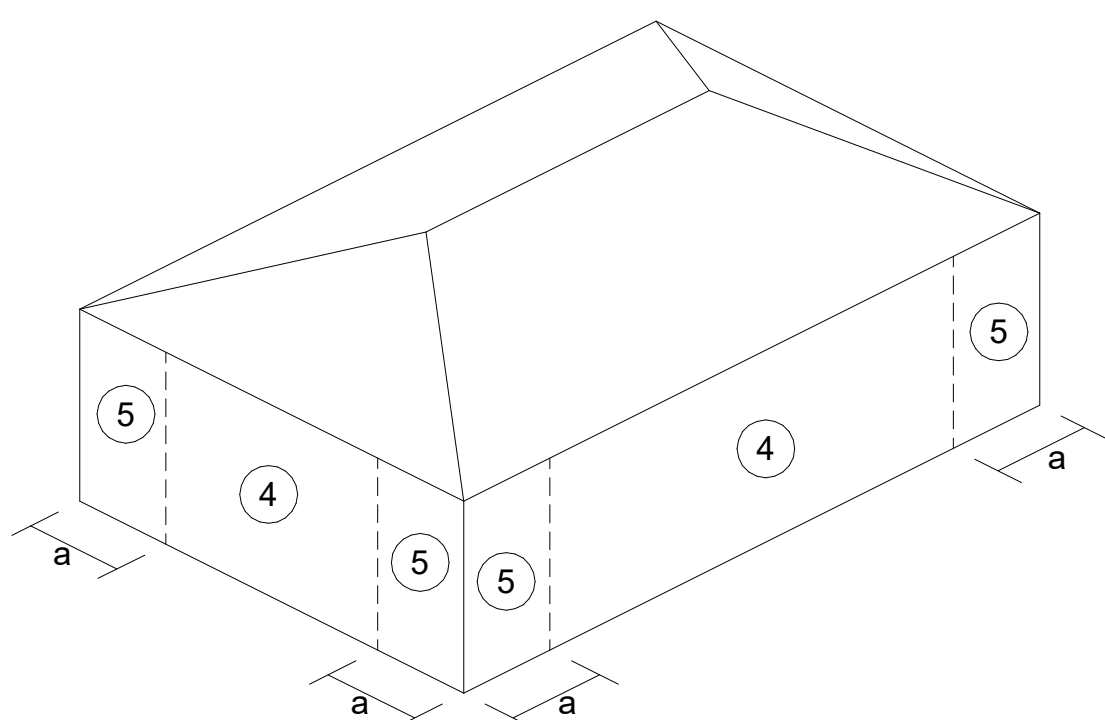
NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS VAIGNEUR, CHRISTOPHER L. 1264998332 Satisfactory to Date Digitally signed by VAIGNEUR CHRISTOPHER L. 1264998332 Date: 2024.03.08 08:46:52 -05'00'		P.W. DWG. NO. 28675	CEMS + G-001	
SAFETY DEPARTMENT KOVACS, CRAIG M. 1031393260 Satisfactory to Date Digitally signed by KOVACS, CRAIG M. 1031393260 Date: 2024.03.08 08:56:52 -05'00'		DRAWN BY M. JOHANNES	DEPARTMENT OF THE NAVY MARINE CORPS AIR STATION	
FIRE DEPARTMENT CRAFT, RICHARD S. 58599340 Satisfactory to Date Digitally signed by CRAFT, RICHARD S. 58599340 Date: 2024.03.08 11:04:31 -05'00'		CHECKED BY D. VON TERSCH	REPAIR BUILDING 1103 (BE2054M)	
PHYSICAL SECURITY VIDETTO, RONALD J. 142994530 Satisfactory to Date Digitally signed by VIDETTO, RONALD J. 142994530 Date: 2024.03.13 08:21:11 -04'00'		SUPERVISOR D. VON TERSCH	COVER SHEET	
PUBLIC WORKS SUPERVISOR WEBB, OWEN H. 1229842990 Satisfactory to Date Digitally signed by WEBB, OWEN H. 1229842990 Date: 2024.03.13 08:57:19 -04'00'		APPROVED HOFMANN, LOTHAR J. 1366877076 R.J.R. 1366877076 PUBLIC WORKS OFFICER	DATE 15 MAR 2024	SIZE F
		CODE IDENT. NO.	NAV FAC. DRAWING NO.	
		HQMC PROJ. NO.	CONSTR. CONTR. NO.	
		SCALE: As indicated	MACC.	T.O. #
		SHEET 1 OF 19		

GENERAL NOTES:

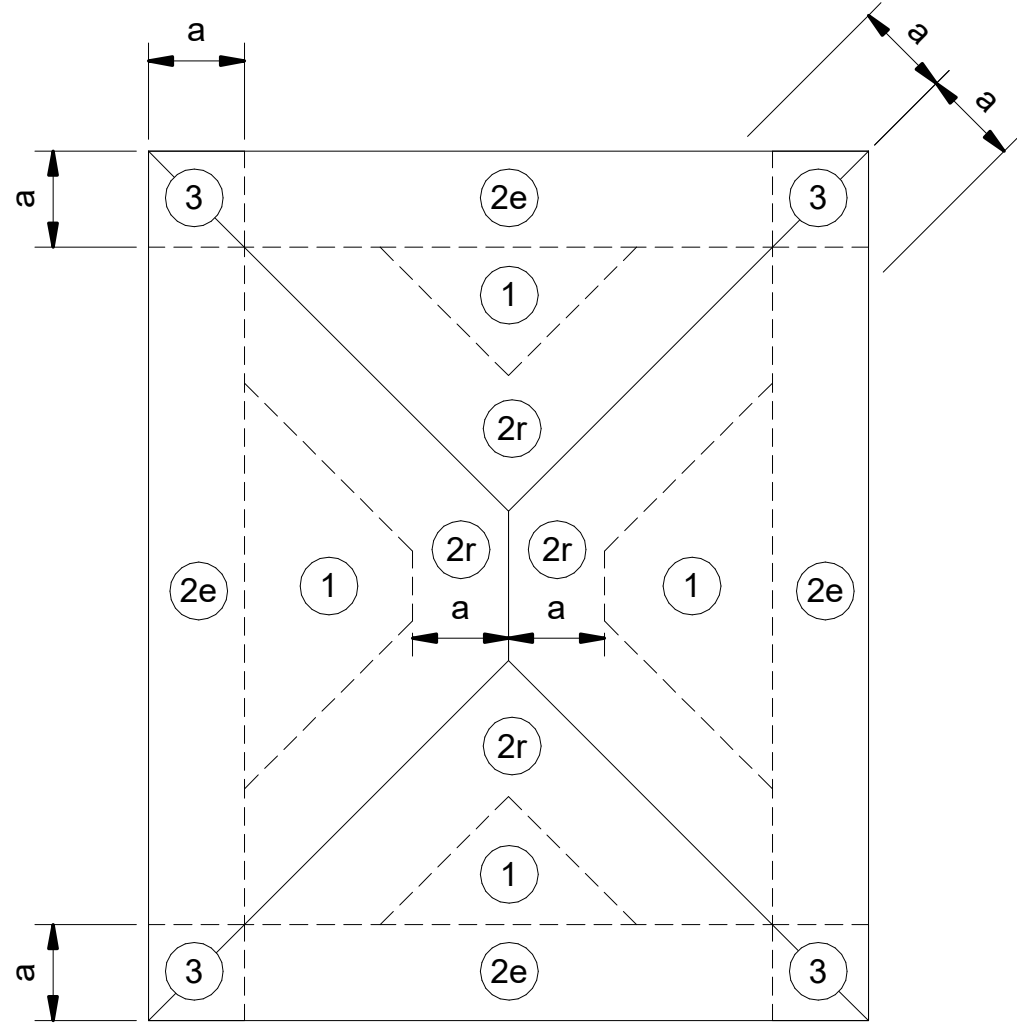
- THE STRUCTURE IS DESIGNED AS A STABLE UNIT AFTER ALL COMPONENT PARTS ARE IN PLACE. THEREFORE, THE CONTRACTOR/ERECTOR SHALL PROVIDE ALL NECESSARY SHORING AND BRACING AS REQUIRED TO ENSURE STABILITY DURING ERECTION.
- WHEN A DETAIL IS SHOWN ON THE STRUCTURAL DRAWINGS FOR ONE CONDITION, IT SHALL APPLY TO ALL SIMILAR OR LIKE CONDITIONS, UNLESS NOTED OR SHOWN OTHERWISE ON THE DRAWINGS.
- CONTRACTOR SHALL FULLY COORDINATE ALL DISCIPLINES' DRAWINGS (INCLUDING DIMENSIONS AND ELEVATIONS) AND SHALL FULLY RESOLVE ANY CONFLICTS PRIOR TO COMMENCING WORK.
- FABRICATION DRAWINGS SHALL NOT BE A REPRODUCTION OF STRUCTURAL CONTRACT DRAWINGS.
- MISCELLANEOUS STRUCTURAL ITEMS, CONDITIONS AND/OR PIECES OF STEEL MAY BE SHOWN ON OTHER DISCIPLINES' DRAWINGS.
- CONTRACTOR SHALL CONSULT GOVERNMENT FOR DIRECTION SHOULD UNCHARTED OR INCORRECTLY CHARTED PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING SITE CLEARING, GRADING AND EXCAVATION.
- DESIGN CRITERIA:
 - ROOF LIVE LOAD: 20 PSF
 - ATTIC LIVE LOAD (INACCESSIBLE): 0 PSF
 - GROUND SNOW LOAD, Pg: 5 PSF
 - WIND LOADS
 - ULTIMATE WIND SPEED, Vult: 139 MPH
 - NOMINAL WIND SPEED, Vasd: 108 MPH
 - RISK CATEGORY: II
 - WIND EXPOSURE: C
 - INTERNAL PRESSURE COEFFICIENT: ±0.18
 - PRESSURE COEFFICIENT ZONE WIDTH, a: 3.27 FT
 - COMPONENTS AND CLADDING WIND PRESSURE: D

		EFFECTIVE AREA (SF)						
		10		20		100		
WIND ZONES (SEE DIAGRAMS BELOW)	ROOF	+	-	+	-	+	-	
		1	37	-84	32	-84	21	-92
		2r	37	-130	32	-124	21	-111
	WALL	3	37	-105	32	-103	21	-98
		3	37	-130	32	-117	21	-88
		4	50	-54	48	-52	43	-47
		5	50	-67	48	-62	43	-52

- E: SEISMIC LOADS
- RISK CATEGORY: II
 - SEISMIC IMPORTANCE FACTOR, Ie: 1.0
 - MAPPED SPECTRAL RESPONSE, S_S = 0.632
S₁ = 0.200
 - SITE CLASS: D
 - DESIGN SPECTRAL RESPONSE, S_{DS} = 0.545
S_{D1} = 0.293
 - SEISMIC DESIGN CATEGORY: D
 - BASIC SEISMIC FORCE RESISTING SYSTEM: ORDINARY REINFORCED MASONRY SHEAR WALLS
 - RESPONSE MODIFICATION COEFFICIENT, R = 2
 - SEISMIC RESPONSE COEFFICIENT, C_s: 0.273
 - DESIGN BASE SHEAR: 28,000 LBS
 - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE



HIP ROOF WALL WIND ZONES



HIP ROOF WIND ZONES (7° < Θ < 45°)

FOUNDATION NOTES:

- STRUCTURAL FOUNDATION DESIGN IS BASED UPON AN ASSUMED ALLOWABLE SOIL BEARING CAPACITY OF 2,000 PSF.
- ALL FOUNDATIONS ARE TO BEAR ON UNDISTURBED IN-SITU SOIL OR ON TESTED STRUCTURAL BACKFILL. FILL SHALL BE PLACED IN UNIFORM LIFTS OF NO MORE THAN 8 INCHES THICK AND COMPACTED TO 95% MODIFIED PROCTOR VALUE FOR BACKFILL. IN ACCORDANCE WITH ASTM D-1557 (THIS INCLUDES THE LAYER OF CLEAN WASHED SAND OR STONE FOR SLABS ON GRADE). THE MAXIMUM PARTICLE SIZE FOR FILL PLACEMENT SHALL NOT EXCEED 2/3 OF THE LIFT THICKNESS.
- MAINTAIN POSITIVE SURFACE DRAINAGE TO PREVENT THE ACCUMULATION OF WATER IN EXCAVATED AREAS.
- MATERIAL TO BE USED AS FILL SHALL BE TESTED BY AN APPROVED TESTING LABORATORY TO DETERMINE SUITABILITY PRIOR TO BEING PLACED.
- REMOVE ALL ORGANIC AND DELETERIOUS MATERIAL.
- SURFACE AREAS AT GRADE AND AREAS TO RECEIVE FILL SOILS SHALL BE DETERMINED WITHIN ±2 PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT DETERMINED FROM THE MODIFIED PROCTOR TEST.

CONCRETE NOTES:

- FOOTINGS:
 - EXPOSURE CLASSES: F2,S0,W1,C1
 - CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS: f_c = 4,500 psi
 - AIR CONTENT: (SEE SPECS)
 - MAXIMUM WATER/CEMENTITIOUS RATIO (w/cm): 0.45
- REINFORCING STEEL SHALL BE ASTM A615, GRADE 60.
- PROPORTION AND DESIGN CONCRETE MIXES TO RESULT IN CONCRETE SLUMP AT POINT OF PLACEMENT NOT LESS THAN 3" AND NOT MORE THAN 5".
- ADDITION OF WATER TO READY-MIX IN THE FIELD SHALL NOT BE ALLOWED.
- DEPOSIT CONCRETE IN A CONTINUOUS OPERATION UNTIL THE PLACING OF CONCRETE IS COMPLETE. IF POUR IS TO BE DISCONTINUOUS, CONTRACTOR SHALL USE CONSTRUCTION JOINTS.
- CONCRETE MUST BE CURED FOR A MINIMUM 21 DAYS PRIOR TO ANY ADHESIVE ANCHOR INSTALLATION.
- SEE SECTION 20.5 OF ACI 318 FOR MINIMUM REINFORCEMENT PROTECTION REQUIREMENTS.
- SEE SPECIFICATION SECTION 03 30 00 FOR ADDITIONAL INFORMATION.
- WHERE SPECIFIED, GROUT SHALL BE NONSHRINK, ASTM C1107 WITH MINIMUM 4,500 PSI COMPRESSIVE STRENGTH AT 28 DAYS. PROVIDE GROUT FLOWABILITY AS REQUIRED TO ENSURE FULL CONSOLIDATION.
- TYPICAL CLASS B, NON-TOP BAR, REINFORCEMENT SPLICES SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:

		LAP DISTANCE BY BAR SIZE				
		#4	#5	#6	#7	#8
f'c (PSI)	4,500	16"	19"	27"	45"	59"

MASONRY NOTES:

- TYPICAL UNITS SHALL BE TWO-CELL TYPE UNITS AND LINTELS SHALL BE U-SHAPED UNITS. BOND BEAM UNITS MAY BE U-SHAPED OR TWO-CELL KNOCK-OUT BLOCKS.
- MORTAR SHALL BE TYPE S WITH AN AVERAGE COMPRESSIVE STRENGTH OF 1,800 PSI AT 28 DAYS CONFORMING TO ASTM C270.
- CONCRETE MASONRY SHALL BE GRADE AS SPECIFIED BY ASTM C90. NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNIT SHALL BE A MIN. 2,000 PSI. MINIMUM SPECIFIED COMPRESSIVE STRENGTH (f_m) SHALL BE 2,000 PSI PER TABLE 2 OF TMS 602-16 SPECIFICATIONS.
- GROUT FOR USE IN MASONRY SHALL CONFORM TO ASTM C476 WITH A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS.
- ALL MASONRY SHALL BE LAID IN A RUNNING BOND U.N.O.
- SEE SPECIFICATION SECTION 04 20 00 FOR ADDITIONAL INFORMATION.

LAP DISTANCE BY BAR SIZE				
BAR	#3	#4	#5	#6
CMU	12.0"	12.2"	19.5"	28.5"
8" CMU	12.0"	12.0"	12.4"	18.0"

STRUCTURAL STEEL:

- 3/4" DIAMETER BOLTS SHALL BE USED IN ALL STRUCTURAL STEEL BOLTED CONNECTIONS UNLESS NOTED OTHERWISE. TIGHTEN BOLTS TO TENSION REQUIRED BY AISC.
- ANCHOR RODS SHALL BE ASTM F1554 Gr. 36, THREADED ON EACH END, WITH HEAVY HEX NUT AND WASHER AT EACH END UNLESS OTHERWISE NOTED. MINIMUM ANCHOR ROD LENGTH AND DIAMETER SHALL BE SPECIFIED ON SHEET S-501.
- ALL WELDED CONSTRUCTION SHALL BE IN ACCORDANCE WITH AWS D1.1 AND AISC.
- WELDING SHALL BE PERFORMED ONLY BY OPERATORS QUALIFIED BY THE AWS STANDARD QUALIFICATION PROCEDURE TO PERFORM THE PARTICULAR TYPE OF WORK REQUIRED.
- MEMBERS IN FINISHED STRUCTURE, INCLUDING LINTELS AND MECHANICAL EQUIPMENT SUPPORT FRAMES SHALL BE GALVANIZED AFTER FABRICATION.
- STEEL BELOW GRADE SHALL BE PROTECTED BY A MINIMUM OF 3" OF CONCRETE OR 4" OF MASONRY.
- GROUT UNDER BEARING PLATES SHALL BE OF NON-SHRINK, NON-METALLIC COMPOSITION.
- NO SPLICES IN STRUCTURAL FRAMING MEMBERS ARE PERMITTED EXCEPT AS INDICATED OR APPROVED.
- STRUCTURAL STEEL SHALL BE AS FOLLOWS:
 - W-SHAPES: ASTM A992
 - PLATES, ANGLES, CHANNELS, MISC. STEEL: ASTM A36
 - HSS: ASTM A1085
 - BOLTS, TENSION CONTROL: ASTM F3125, Gr. F1852-X
 - WELDING ELECTRODE: E70XX

COLD-FORMED METAL TRUSS NOTES:

- COLD-FORMED METAL TRUSSES SHALL BE DESIGNED, FABRICATED AND INSTALLED AS INDICATED ON THE DRAWINGS AND IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE, NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS (2016 EDITION) AND AMERICAN IRON AND STEEL INSTITUTE STANDARD FOR COLD-FORMED STEEL FRAMING - TRUSS DESIGN 2012.
- SUBMIT SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A REGISTERED ENGINEER.
- PROVIDE HORIZONTAL BRIDGING (PERMANENT AND TEMPORARY) AS RECOMMENDED BY THE TRUSS MANUFACTURER.
- THE TRUSS FRAMING SHOWN IS FOR INTENT OF DESIGN PURPOSES ONLY. FINAL FRAMING LAYOUT MAY VARY BASED UPON TRUSS MANUFACTURER'S DESIGN.
- COORDINATE TRUSS GIRDER BEARING POINTS WITH CMU LAYOUT.
- ROOF TRUSSES TO BE SPACED AT 48" O.C. MAXIMUM UNLESS SHOWN OTHERWISE.
- TRUSS TOP CHORD MEMBERS SHALL BE 16 GA. MINIMUM.
- MAXIMUM LIVE LOAD DEFLECTION SHALL BE SPAN/240 FOR ROOF TRUSSES.
- TOP CORD DEAD LOAD SHOWN BELOW INCLUDES 5 PSF FOR TRUSS SELF-WEIGHT.
- ROOF TRUSSES SHALL BE DESIGNED FOR APPLICABLE WIND LOADS AS INDICATED IN GENERAL NOTES, IN COMBINATION WITH LOADS SHOWN BELOW.
- TRUSS TO TRUSS AND TRUSS TO BEARING CONNECTIONS SHALL BE DESIGNED BY TRUSS MANUFACTURER.
- CONTRACTOR SHALL COORDINATE WITH APPLICABLE MECHANICAL LOADS AND CLEARANCES PRIOR TO ORDERING TRUSSES.
- TRUSS FRAMING SHALL BE GALVANIZED IN ACCORDANCE WITH A653, G60.
- SEE SPECIFICATION SECTION 05 40 00 FOR ADDITIONAL INFORMATION.
- ROOF TRUSS DESIGN LOADS TO BE AS FOLLOWS:

TOP CHORD LIVE LOAD	20 PSF
TOP CHORD DEAD LOAD	10 PSF
BOTTOM CHORD DEAD LOAD	5 PSF

STEEL DECK NOTES:

- STEEL DECK SHALL BE MINIMUM 3 SPAN CONDITION WITH THE FOLLOWING MINIMUM PROPERTIES.

ROOF:

TYPE 1.5B-36
I_{tr} = 0.155 in⁴/ft. I_{tr} = 0.178 in⁴/ft. 22GA
S_{tr} = 0.169 in³/ft. S_{tr} = 0.179 in³/ft. F_y = 50 ksi
Φ_M_{tr} = 634 lb-ft/ft Φ_M_{tr} = 671 lb-ft/ft
- SEE SPECIFICATION SECTION 05 30 00 FOR ADDITIONAL INFORMATION.

DESIGN REFERENCES:

REFERENCE STANDARDS:	
ACI 301-16	SPECIFICATIONS FOR STRUCTURAL CONCRETE
ACI 318-19	BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
AISC 325-17	STEEL CONSTRUCTION MANUAL, 15TH EDITION
AISI S100-16	SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS
ASCE/SEI 7-16	MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES
IBC 2021	INTERNATIONAL BUILDING CODE, 2021 EDITION
IEBC 2021	INTERNATIONAL EXISTING BUILDING CODE, 2021 EDITION
TMS 402/602-16	BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES
UFC 1-200-01	DoD BUILDING CODE, CHANGE 2, 12 JUNE 2023
UFC 3-301-01	STRUCTURAL ENGINEERING, CHANGE 1, 02 OCT 2023
UFC 4-010-01	DoD MINIMUM ANTITERRORISM STANDARDS FOR BUILDINGS, CHANGE 2, 30 JULY 2022

RECORD DRAWINGS:

- RUNWAY APPROACH LIGHTING RUNWAY 04, DATED FEB 28, 1989

REVISIONS			
SYM.	DESCRIPTION	DATE	APP.

STRUCTURAL ABBREVIATIONS:

A		K	
A.F.F.	ABOVE FINISHED FLOOR	KSI	KIPS/SQUARE INCH
A.B.	ANCHOR BOLT		
&	AND	L	
APPROX.	APPROXIMATE	LLH	LONG LEG HORIZONTAL
ARCH.	ARCHITECTURAL	LLV	LONG LEG VERTICAL
@	AT	LONG.	LONGITUDINAL

B		M	
BM.	BEAM	MATL.	MATERIAL
BLKG.	BLOCKING	MAX.	MAXIMUM
BOT.	BOTTOM	MECH.	MECHANICAL
B.O.	BOTTOM OF	MTL	METAL
BRDG.	BRIDGING	MPH	MILE PER HOUR
BLDG.	BUILDING	MIN.	MINIMUM
		MISC.	MISCELLANEOUS

C		N	
CLG.	CEILING	N.S.	NEAR SIDE
CL.	CENTERLINE	N.I.C.	NOT IN CONTRACT
CLR.	CLEAR	NTS	NOT TO SCALE
COL.	COLUMN	NO. (#)	NUMBER
CONC.	CONCRETE		
CMU	CONCRETE MASONRY UNIT	O	
CONN.	CONNECTION	O.C.	ON CENTER
CONT.	CONTINUOUS	O.H.	OPPOSITE HAND
C.J.	CONTROL JOINT	O.D.	OUTSIDE DIAMETER
COORD.	COORDINATE		

D		P	
°	DEGREE	PL	PLATE
DEMO.	DEMOLITION	LBS.	POUNDS
DET.	DETAIL	PCF	POUNDS/CUBIC FOOT
Ø	DIAMETER	PSF	POUNDS/SQUARE FOOT
DIM.	DIMENSION	PSI	POUNDS/SQUARE INCH
		PEMB	PRE-ENGINEERED METAL BUILDING

E		R	
EA	EACH	REF.	REFERENCE
E.F.	EACH FACE	RC.	REINFORCED CONCRETE
E.W.	EACH WAY	REINF.	REINFORCEMENT
ELEC.	ELECTRICAL OR ELECTRIC	REQ'D	REQUIRED
EL.	ELEVATION	REV.	REVISIONS / REVISED
E.O.R.	ENGINEER OF RECORD		
EQ.	EQUAL	S	
EX.	EXISTING	SECT.	SECTION
E.J. (EXP. JT.)	EXPANSION JOINT	SIM.	SIMILAR
EXP.	EXPANSION/EXPOSED	S.O.G.	SLAB ON GRADE
EXT.	EXTERIOR	SL.	SLOPE

F		SPEC.	SPECIFICATION
F.S.	FAR SIDE	SQ.	SQUARE
FT.	FEET	S.S.	STAINLESS STEEL
FRP	FIBER REINFORCED POLYMER	STD.	STANDARD
FIN.	FINISH	STL.	STEEL
F.F.	FINISHED FLOOR	STRUC.	STRUCTURAL
FLR.	FLOOR		
FTG.	FOOTING		

G		T	
GA.	GAGE OR GAUGE	T&B	TOP & BOTTOM
GALV.	GALVANIZED	T.O.	TOP OF
Gr.	GRADE	TRANS.	TRANSVERSE
		TYP.	TYPICAL

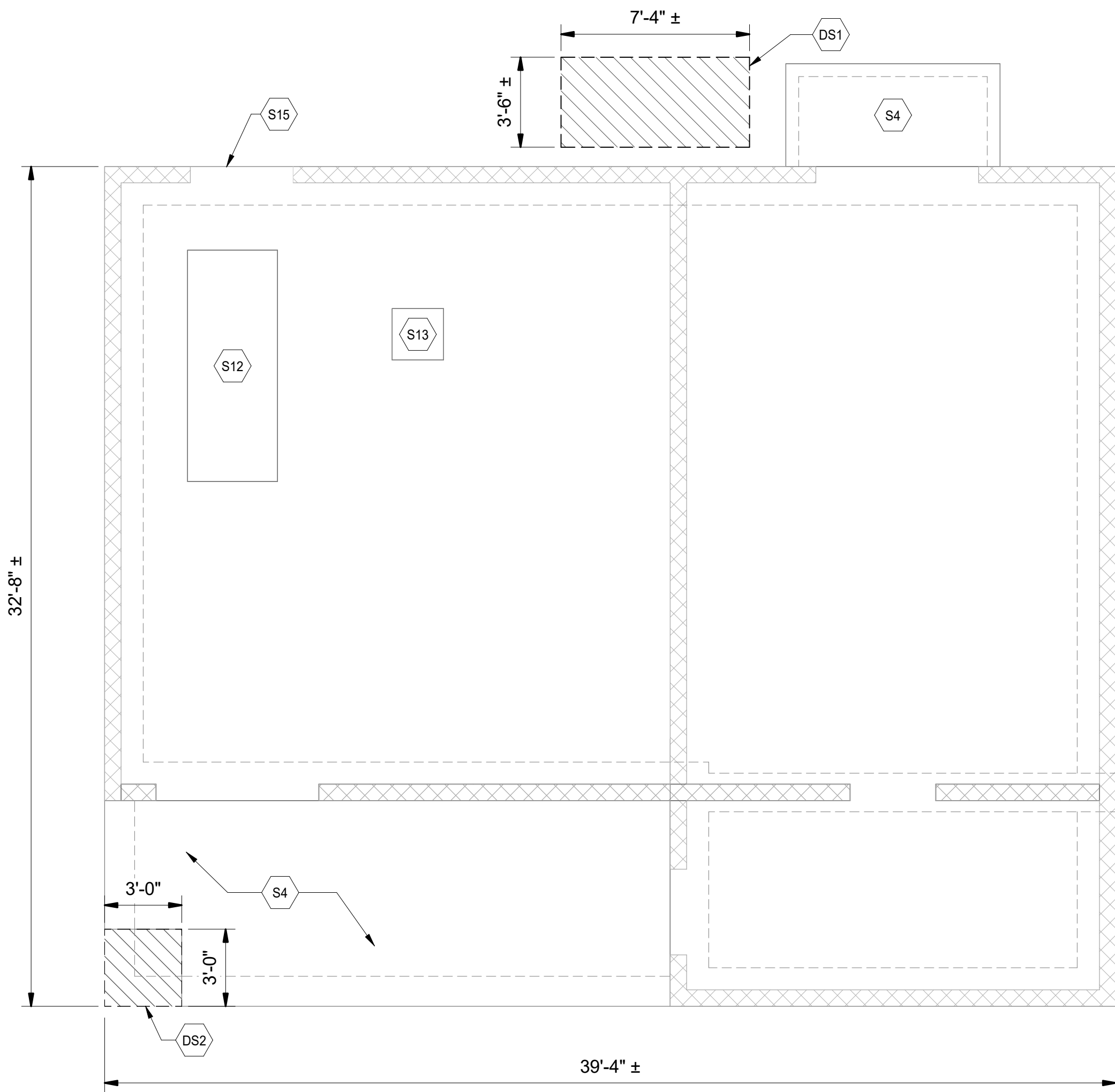
H		U	
HORIZ.	HORIZONTAL	U.N.O.	UNLESS NOTED OTHERWISE

I		V	
IN.	INCH	V.I.F.	VERIFY IN FIELD
I.D.	INSIDE DIAMETER	VERT.	VERTICAL
INT.	INTERIOR		

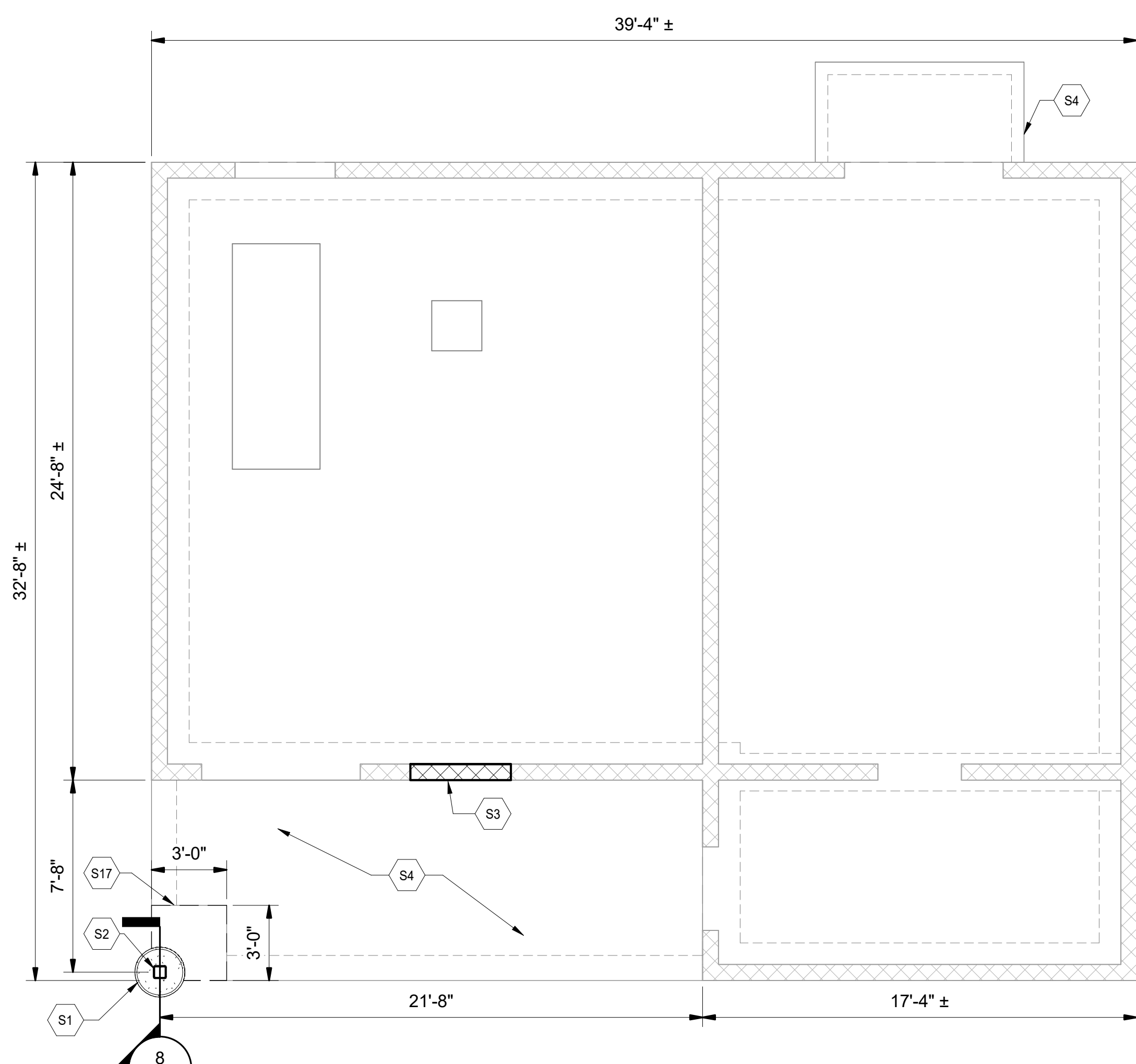
J		W	
JT.	JOINT	WWR	WELDED WIRE REINFORCEMENT
JST.	JOIST	W/	WITH
		W/O	WITHOUT
		WP	WORKING POINT

IF SHEET IS LESS THAN (30"x42") IT IS A REDUCED PRINT. SCALE ACCORDINGLY		ISSUE DATE:04 MARCH 2024	
NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO. 28676	CEMS	S-001
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY C. STOCKMAN	DEPARTMENT OF THE NAVY MARINE CORPS AIR STATION REPAIR BUILDING 1103 (BE2054M)	
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY E. SHIPMAN	GENERAL NOTES AND DESIGN LOADS	
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR B. MINOR		
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED DATE	SIZE F	CODE IDENT. NO.
		HOMC PROJ. NO.:	CONSTR. CONTR. NO.:
	PUBLIC WORKS OFFICER	SCALE:	MACC. T.O. # SHEET 2 OF 19

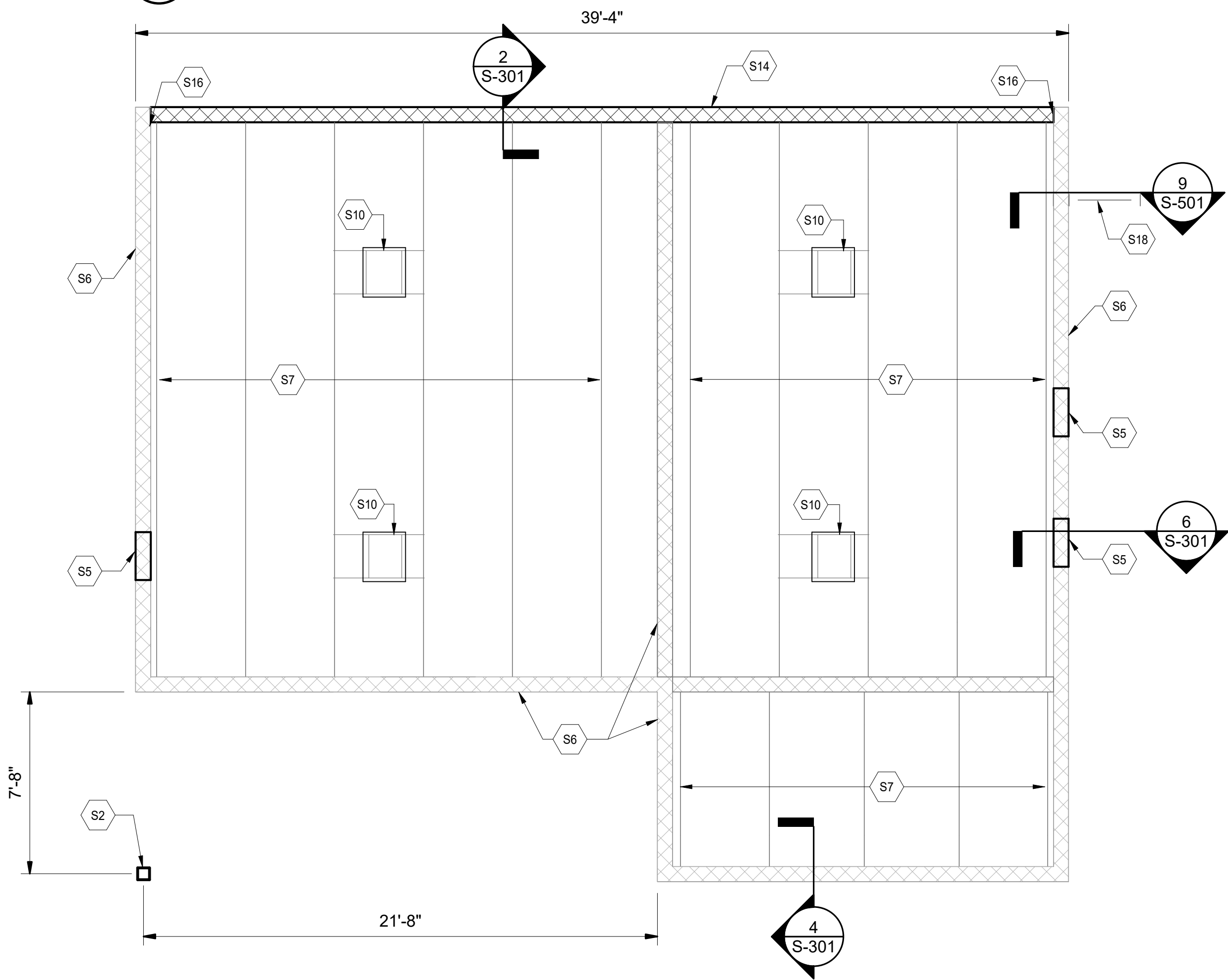




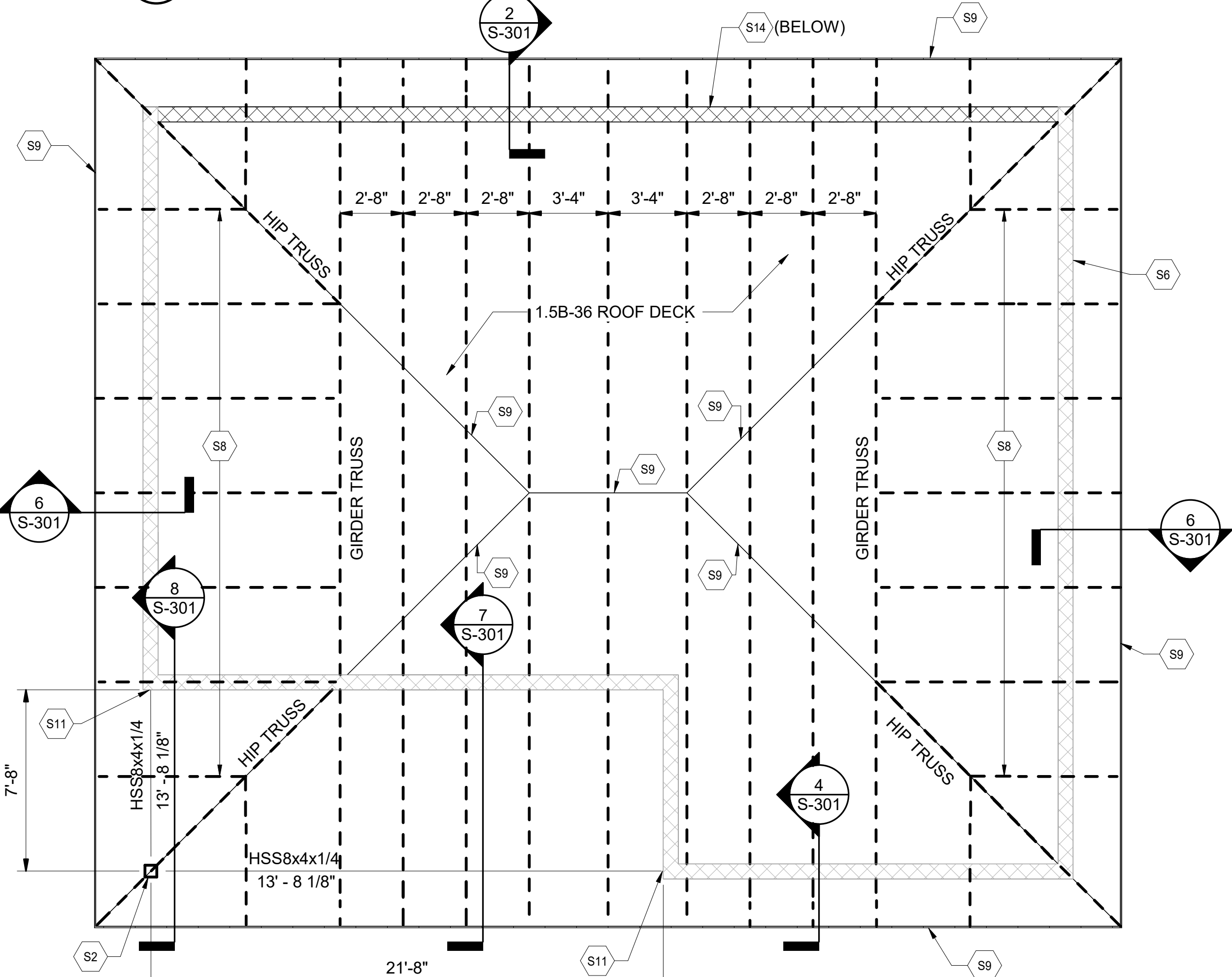
1 DEMOLITION FOUNDATION PLAN
SCALE: 1/4" = 1'-0"






2 NEW WORK FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

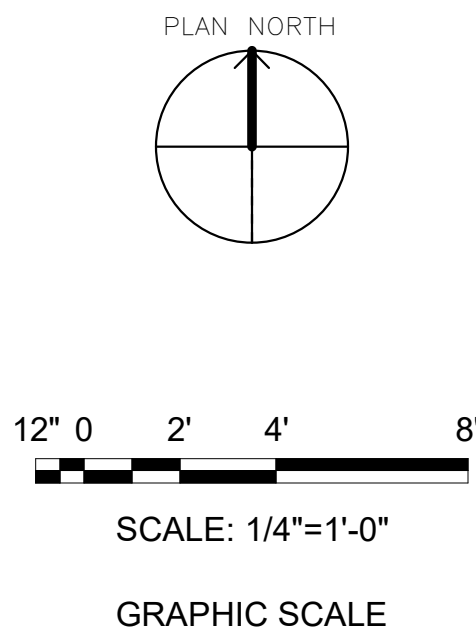


3 ATTIC FRAMING PLAN
SCALE: 1/4" = 1'-0"



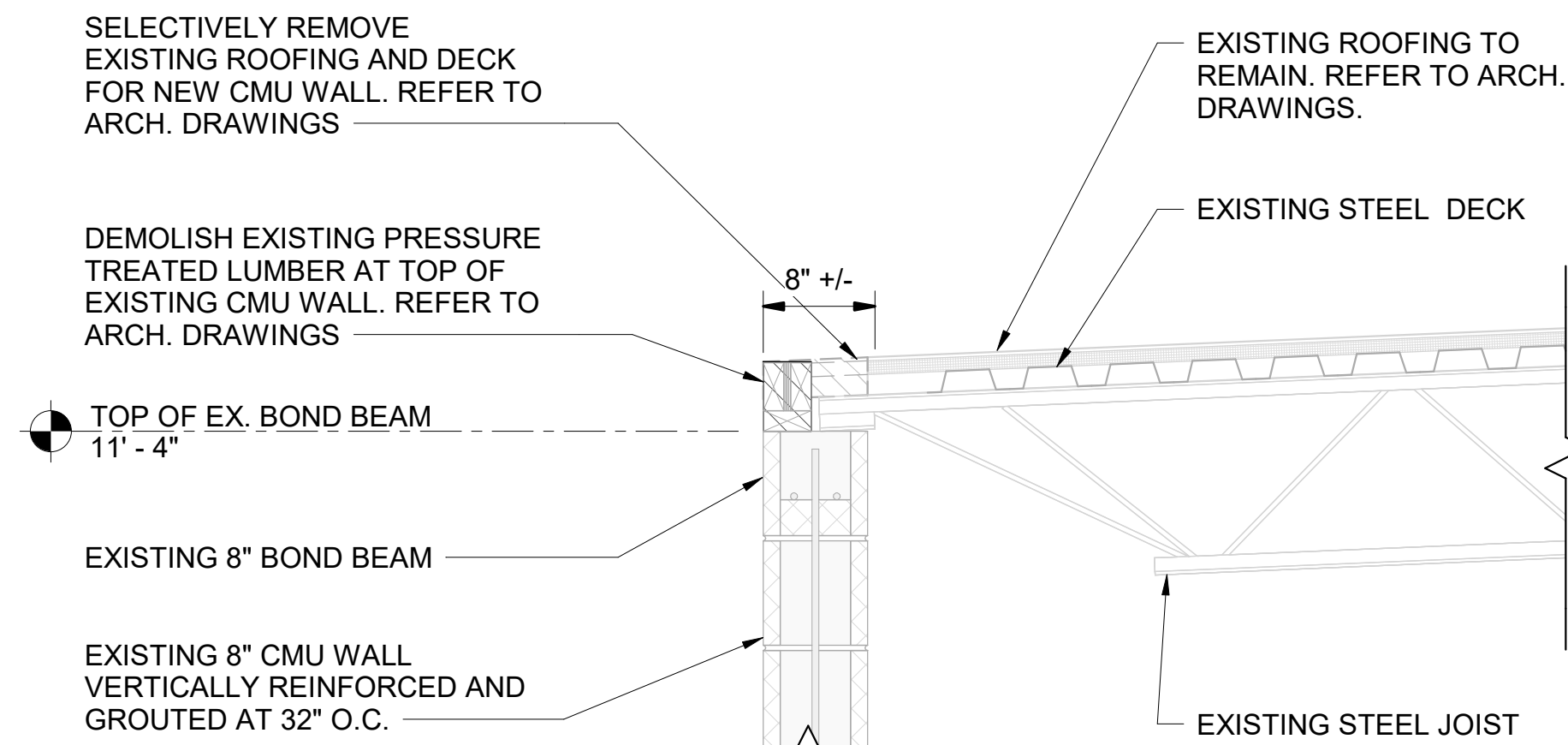
4 ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

REVISIONS			
SYM.	DESCRIPTION	DATE	APP.
LEGEND			
	NEW CMU WALL		
	EXISTING CMU WALL		
	EXISTING FOOTING		
HSS 8x4x1/4 13'-8 1/8"		INDICATES TOP OF HSS8x4x1/4 ELEVATION IS 13'-8 1/8" AFF	
GENERAL NOTES			
<div>1. ALL EXISTING CONDITIONS PER ORIGINAL DOCUMENTS AND NON-DESTRUCTIVE OBSERVATION.</div> <div>2. COORDINATE DEMOLITION WITH ARCHITECTURAL DRAWINGS.</div> <div>3. DO NOT CUT ANY EXISTING STRUCTURAL MEMBERS UNLESS DIRECTLY AUTHORIZED BY ENGINEER OF RECORD.</div> <div>4. PROVIDE INTERMEDIATE COLD-FORMED MEMBERS SUCH THAT THE NEW DECK SPANS 48" MAX.</div>			
SHEET KEYNOTES			
<div>DS1 EXISTING 18"x1/4" THICK CONCRETE SLAB MAY BE LOCATED ELSEWHERE ON SITE. DEMOLISH/REMOVE FROM SITE. COORDINATE WITH ARCHITECTURAL DEMOLITION SHEETS.</div> <div>DS2 DEMOLISH EXISTING SLAB AS REQUIRED FOR NEW COLUMN FOUNDATION.</div> <div>S1 24" DIA. x 5'-4" CONCRETE PEDESTAL.</div> <div>S2 HSS6x6x3/8 STEEL COLUMN.</div> <div>S3 8" CMU WALL INFILL AT EXISTING LOUVER (SEE S-501).</div> <div>S4 EXISTING 4" SLAB ON GRADE WITH 12" THICKENED SLAB EDGE.</div> <div>S5 24" x 24" OPENINGS IN EXISTING CMU WALLS FOR MECHANICAL EXHAUST. ADJUST OPENING AS REQUIRED TO INSTALL THROUGH UNGROUTED CELLS (SEE NOTES ON SECTION 5/S-301).</div> <div>S6 EXISTING 8" CMU WALL.</div> <div>S7 EXISTING STEEL JOISTS.</div> <div>S8 PRE-ENGINEERED COLD-FORMED METAL TRUSSES AT 48" O.C. MAX U.N.O. TRUSS TO SUPPORTING STRUCTURE CONNECTIONS SHALL BE DESIGNED BY TRUSS MANUFACTURER.</div> <div>S9 COLD-FORMED METAL EAVE, HIP, AND RIDGE MEMBERS. MEMBERS AND CONNECTIONS TO TRUSSES BY MANUFACTURER.</div> <div>S10 PROVIDE SHEET METAL CAP ATOP CURB OF EXISTING EXHAUST FAN OPENING. COORDINATE WITH ARCH.</div> <div>S11 BEAM CONNECTION TO EXISTING CMU WALL. REFER TO SECTIONS ON S-301.</div> <div>S12 EXISTING GENERATOR PAD TO REMAIN.</div> <div>S13 EXISTING SUMP TO REMAIN.</div> <div>S14 NEW 8" CMU WALL. REFER TO SECTIONS.</div> <div>S15 EXISTING LOUVER OPENING TO REMAIN.</div> <div>S16 SEE S-501 FOR TYPICAL CMU REINFORCEMENT AND NEW TO EXISTING PARAPET CONNECTION.</div> <div>S17 INFILL WITH 12" CONCRETE SLAB ON GRADE. REFER TO SECTION ON S-501.</div> <div>S18 NEW ANTENNA MOUNTING BRACKET. SEE ARCHITECTURAL AND ELECTRICAL FOR ADDITIONAL INFORMATION.</div>			

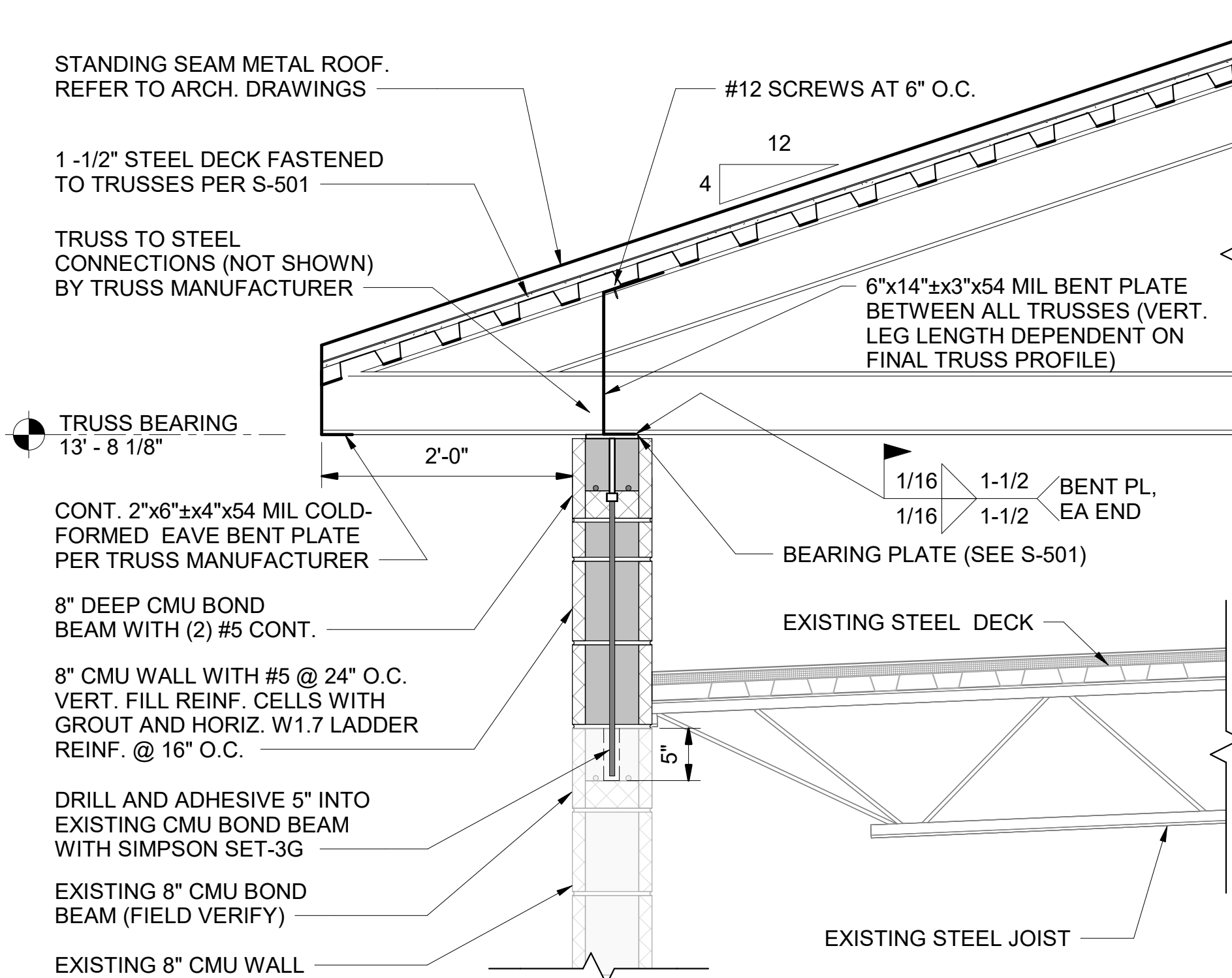


IF SHEET IS LESS THAN (30"x42") IT IS A REDUCED PRINT. SCALE ACCORDINGLY		ISSUE DATE:04 MARCH 2024	
NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO. 28677	CEMS CORPORATION	
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY C. STOCKMAN	DEPARTMENT OF THE NAVY MARINE CORPS AIR STATION BEAUFORT, N.C.	
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY E. SHIPMAN	REPAIR BUILDING 1103 (BE2054M)	
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR B. MINOR	DEMOLITION AND NEW WORK PLANS	
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED DATE	SIZE F	CODE IDENT. NO.
PUBLIC WORKS OFFICER		HQMC PROJ. NO.:	CONSTR. CONTR. NO.:
		SCALE: 1/4" = 1'-0"	MACC. T.O. # SHEET 3 OF 19

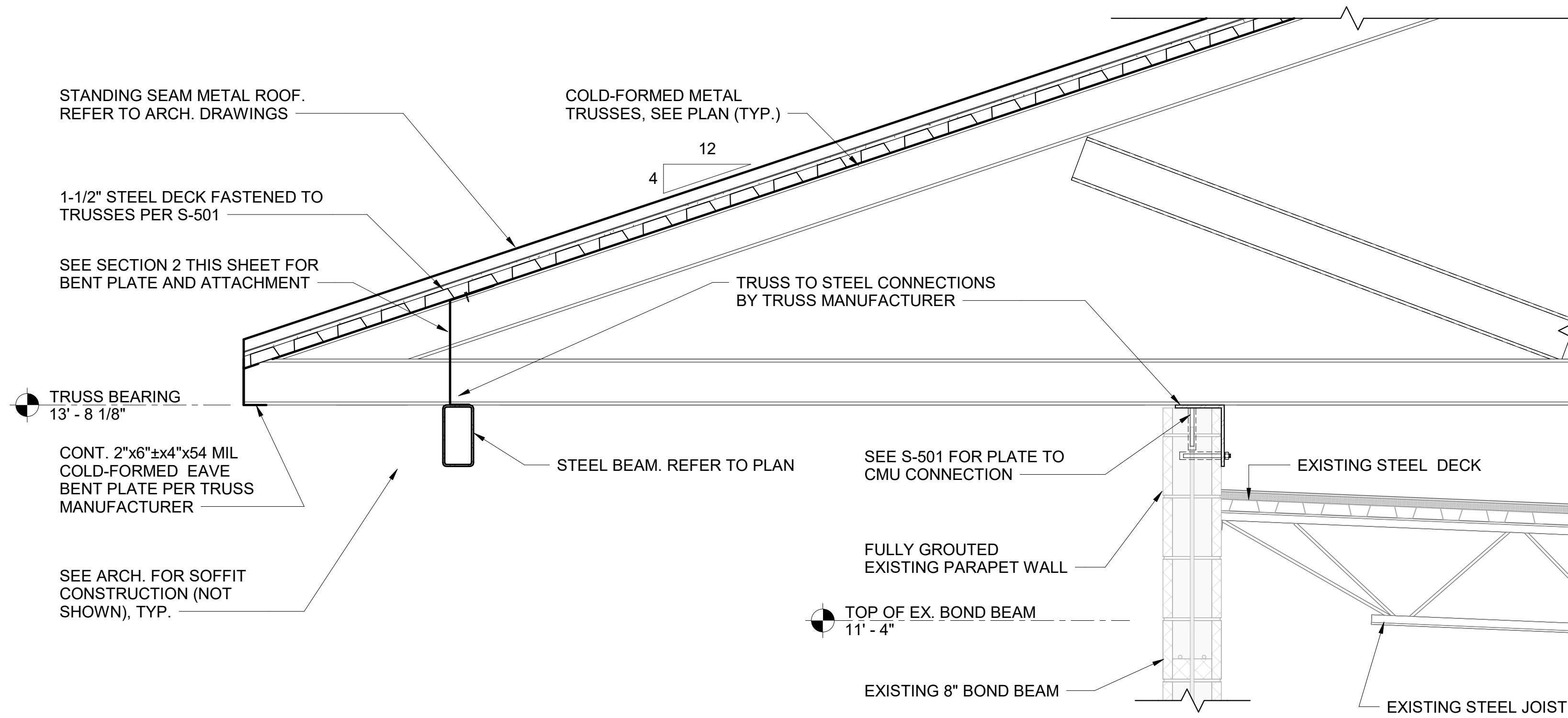
REVISIONS			
SYM.	DESCRIPTION	DATE	APP.



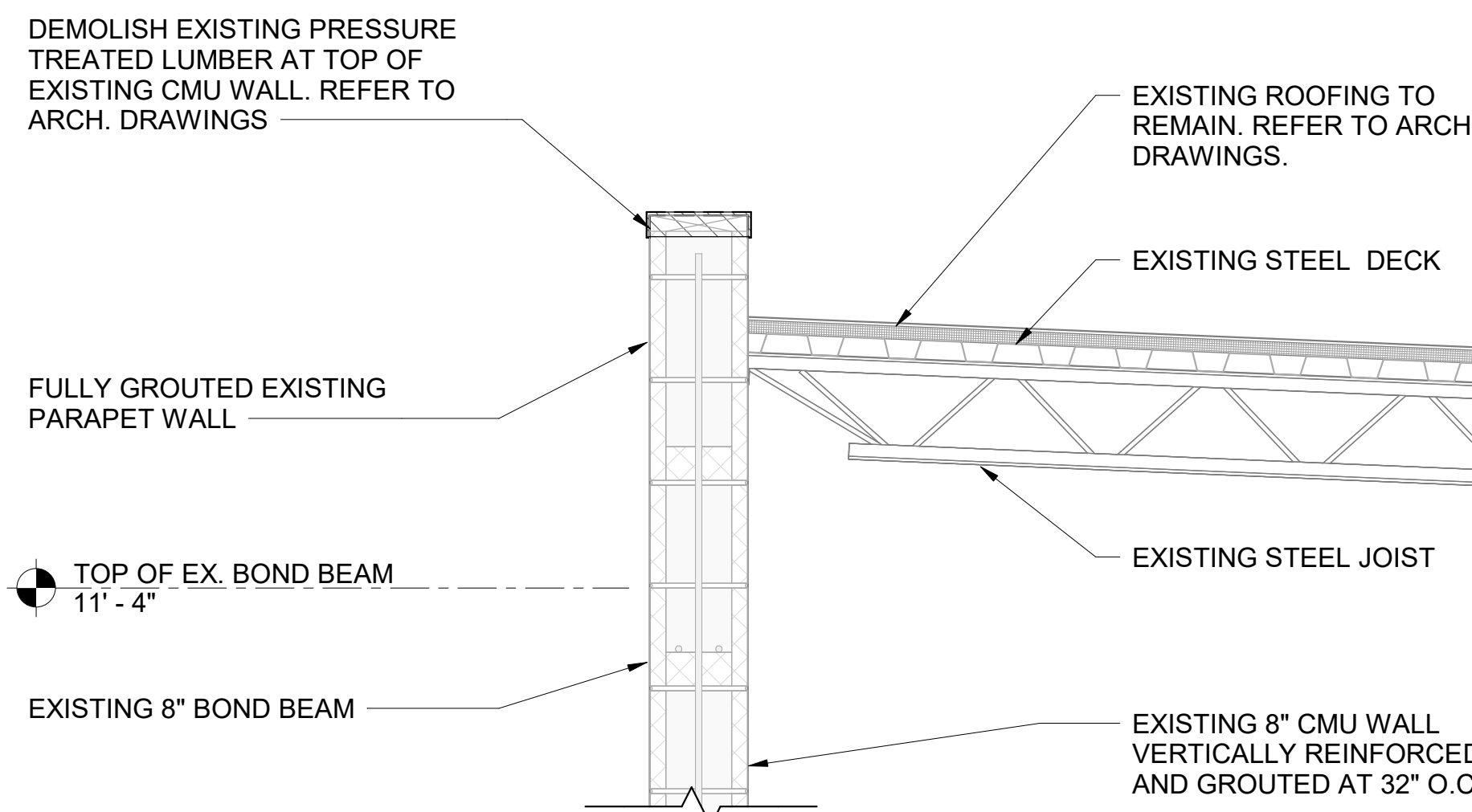
1 DEMOLITION SECTION
1" = 1'-0"



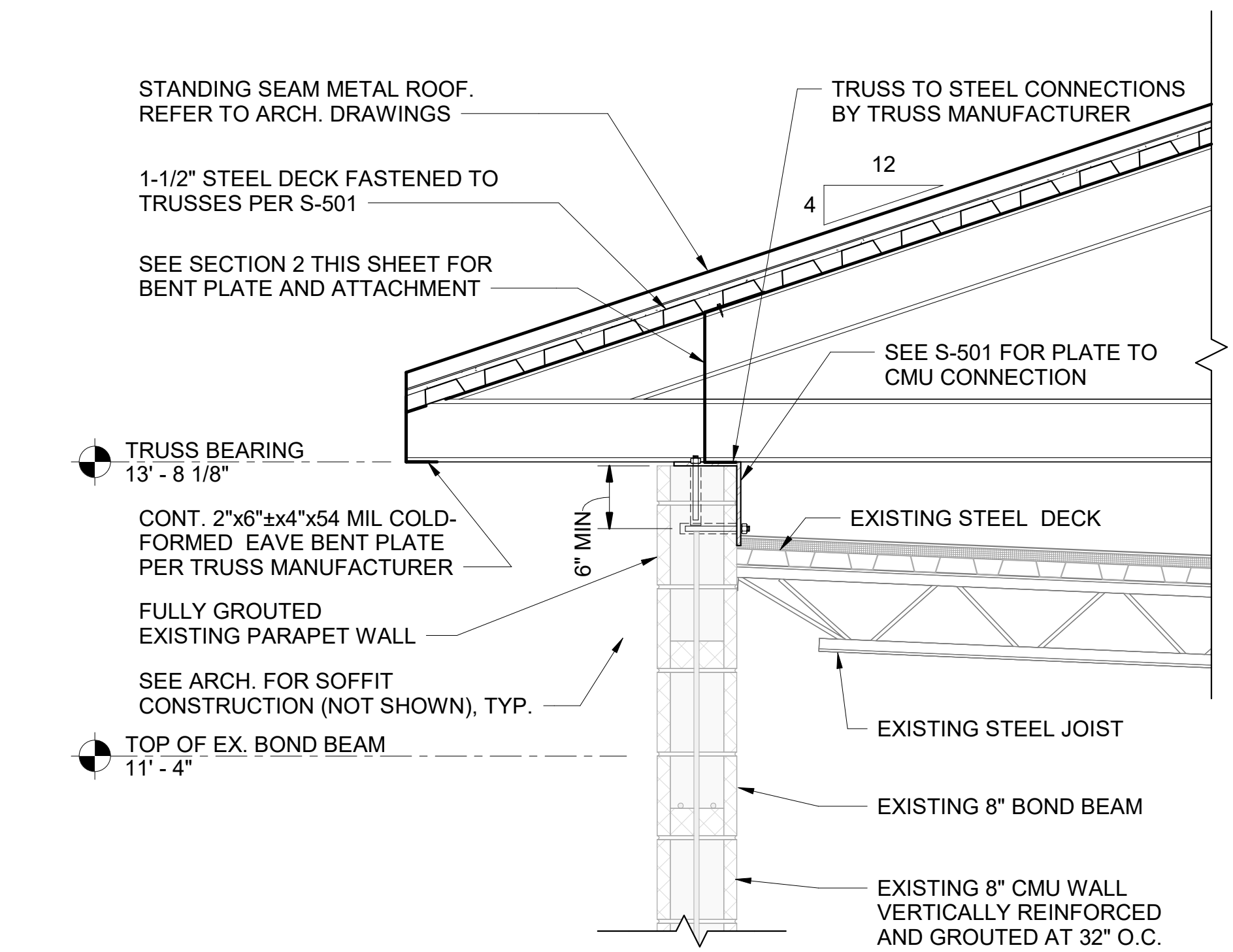
2 NEW WORK SECTION
1" = 1'-0"



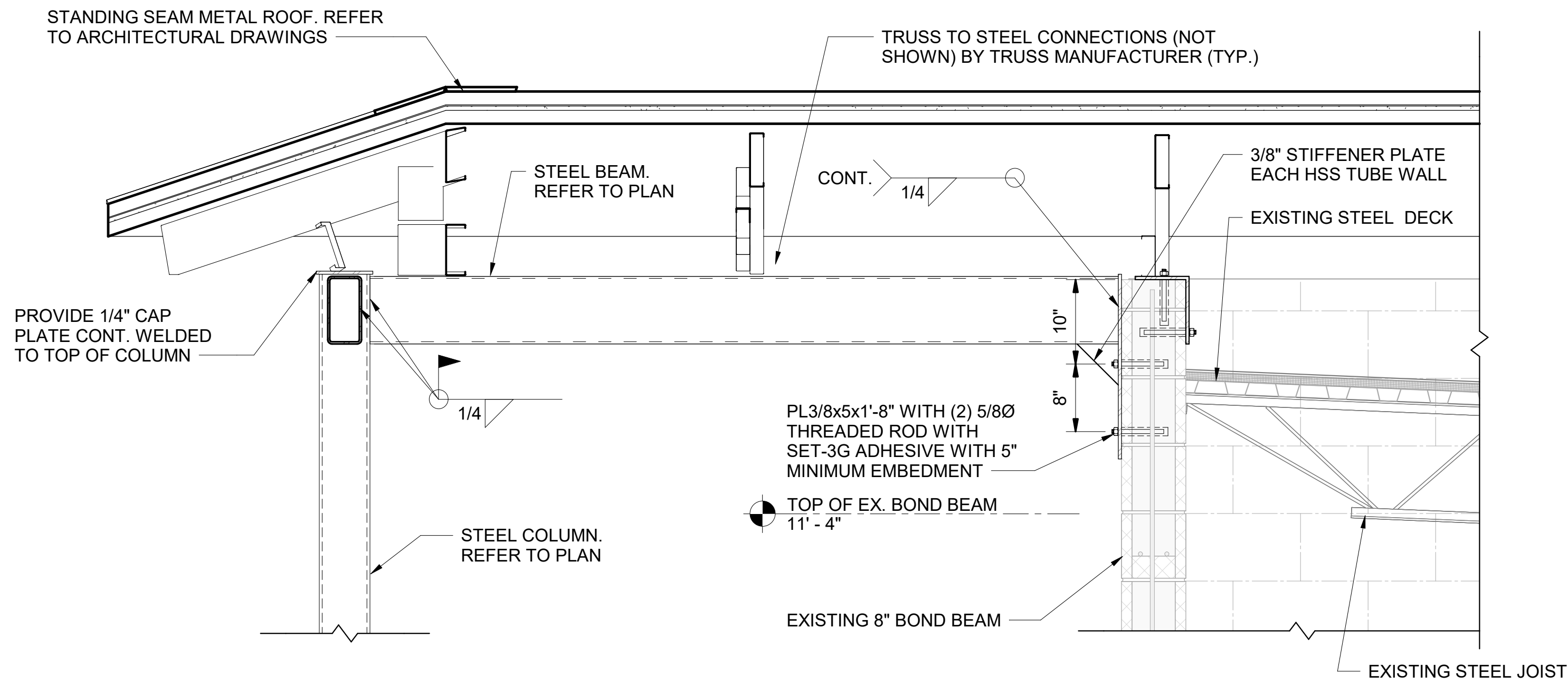
7 SECTION
1" = 1'-0"



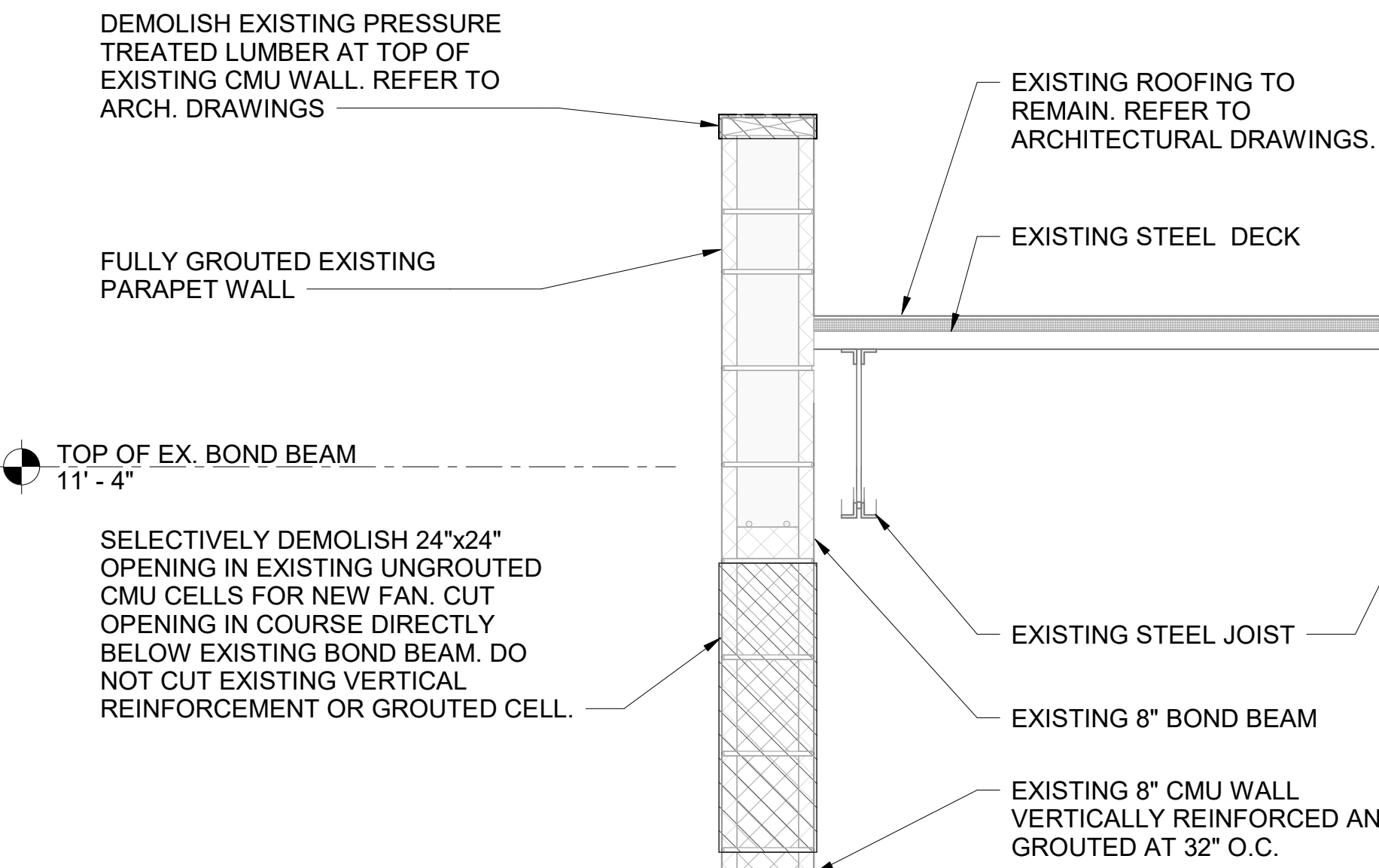
3 DEMOLITION SECTION
1" = 1'-0"



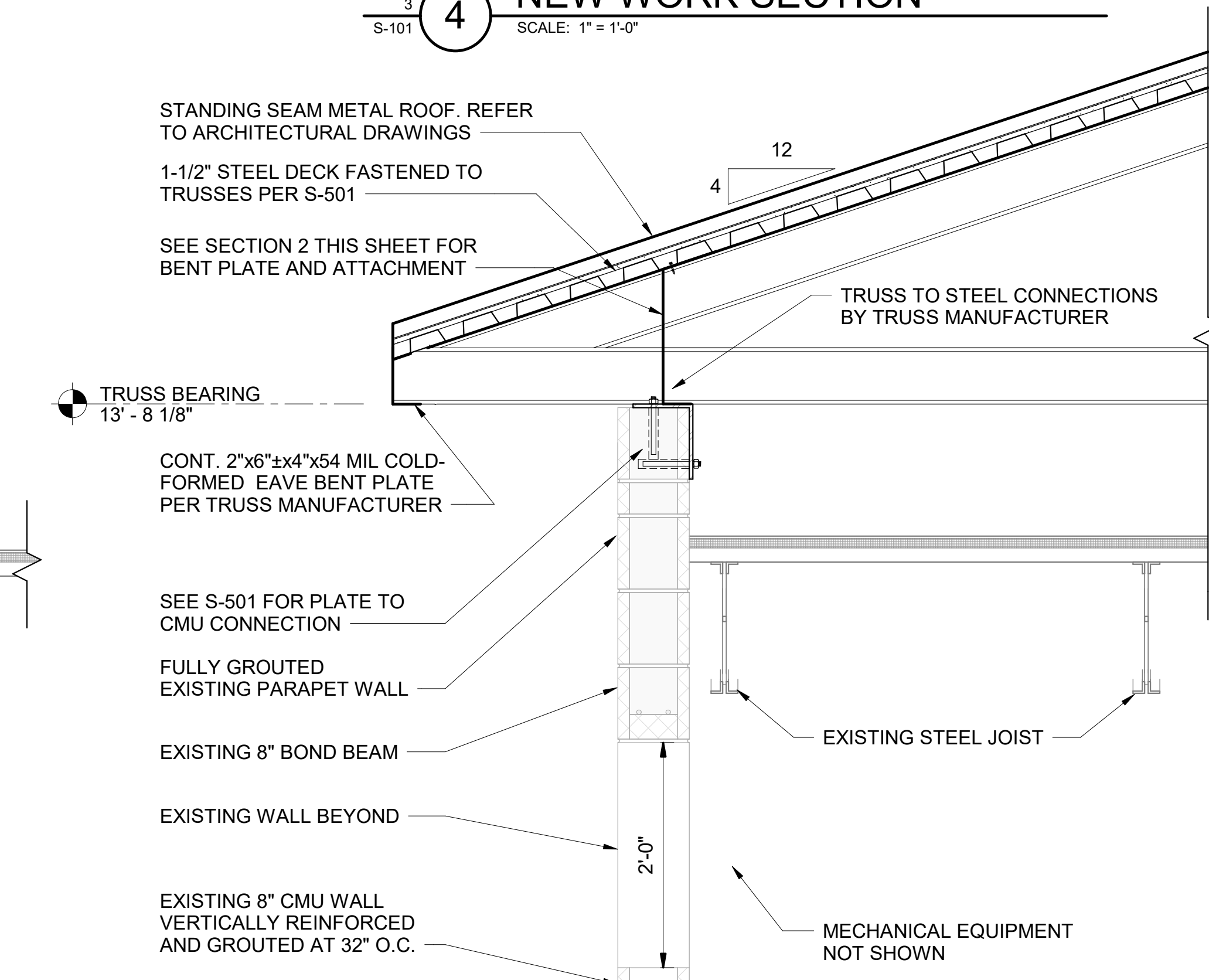
4 NEW WORK SECTION
1" = 1'-0"



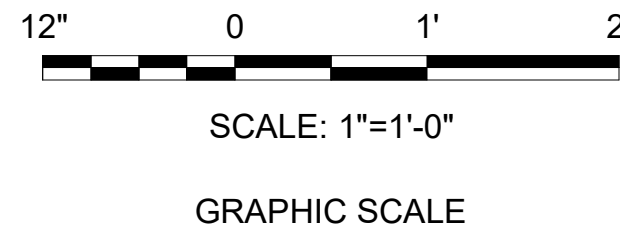
8 SECTION
1" = 1'-0"



5 DEMOLITION SECTION
1" = 1'-0"

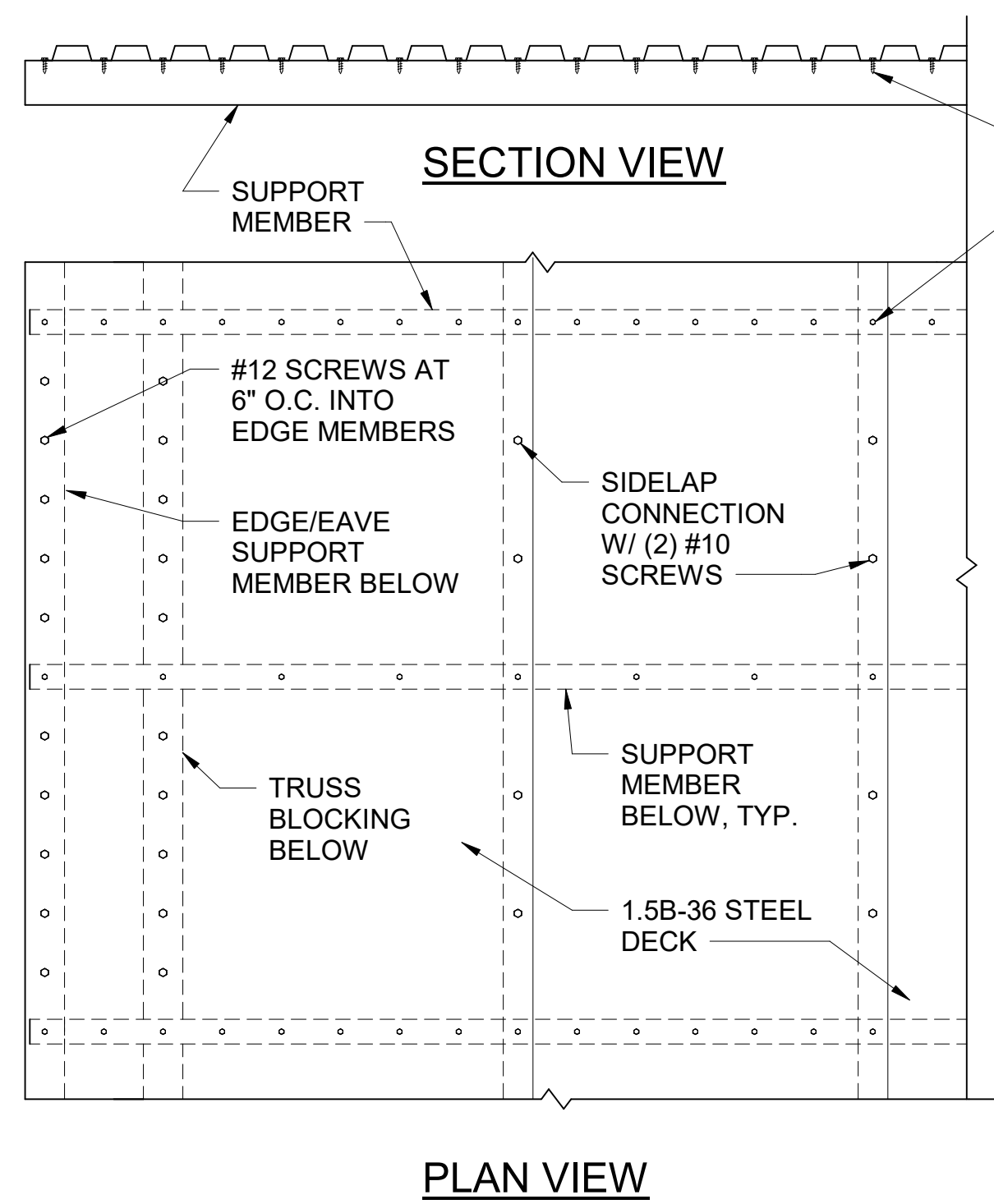


6 NEW WORK SECTION
1" = 1'-0"



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NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO. 28678	CEMS + S-301	
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY C. STOCKMAN	DEPARTMENT OF THE NAVY MARINE CORPS AIR STATION	
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY E. SHIPMAN	REPAIR BUILDING 1103 (BE2054M)	
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR B. MINOR	SECTIONS	
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED DATE	SIZE F	CODE IDENT. NO. N A V F A C DRAWING NO.
PUBLIC WORKS OFFICER		HOMC PROJ. NO.	CONSTR. CONTR. NO.
		SCALE: 1" = 1'-0"	MACC. T.O. # SHEET 4 OF 19

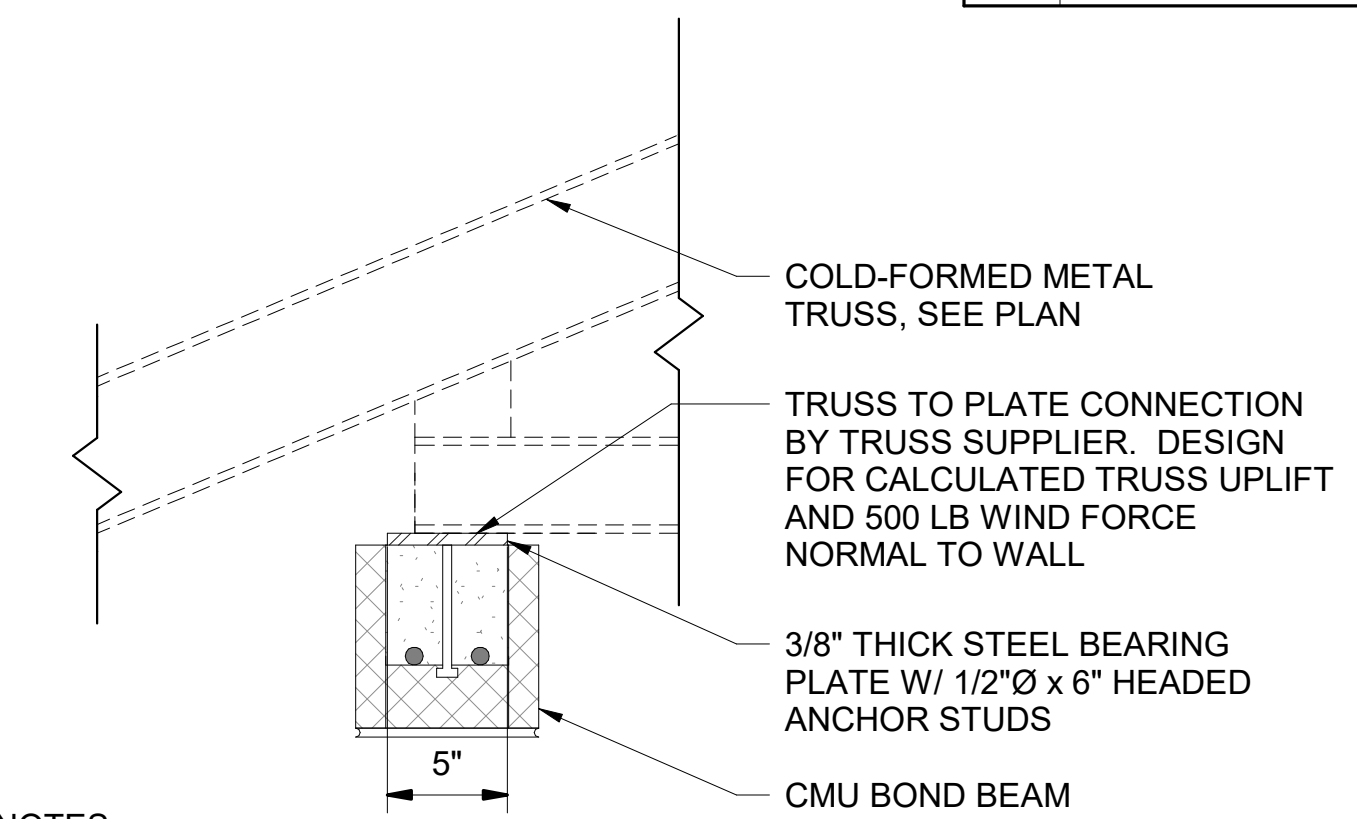
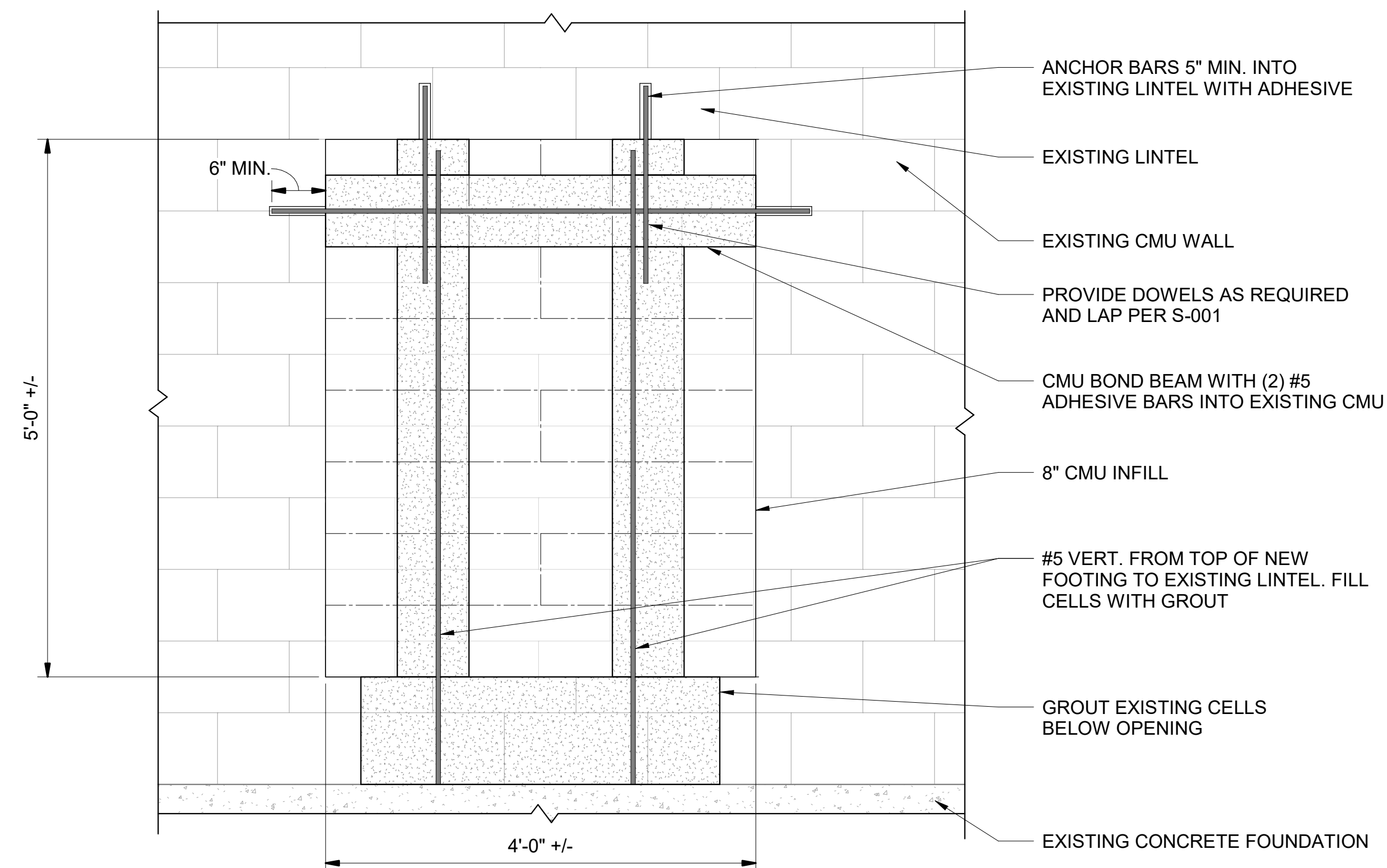




GENERAL NOTES:

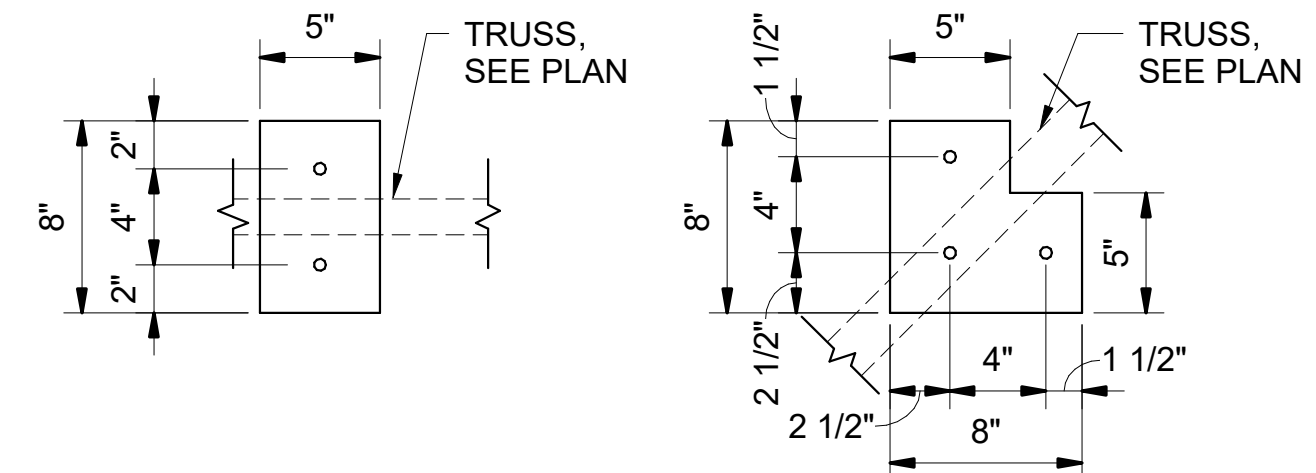
- STEEL ROOF DECK SHALL BE GALVANIZED 1.5B-36, 22 GA. DECKING. ROOF DECK SHALL BE CONTINUOUS OVER 3 OR MORE SPANS.
- ATTACH DECK TO SUPPORT MEMBERS AS SHOWN USING 36/7 PATTERN W/ #12 SCREWS IN SUPPORT & #10 SCREWS FOR SIDELAP.
- DECKING PROPERTIES ARE SPECIFIED ON THE STRUCTURAL GENERAL NOTES SHEET S-001.
- FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
- SCREWS SHALL BE SELF-DRILLING, SELF-TAPPING.

36/7 PATTERN W/ #12 SCREWS INTO SUPPORT MEMBERS



NOTES:

- SEE DETAILS BELOW FOR PLATE DIMENSIONS AND NUMBER OF ANCHORS
- ENSURE FULL BEARING ON GROUT FILL

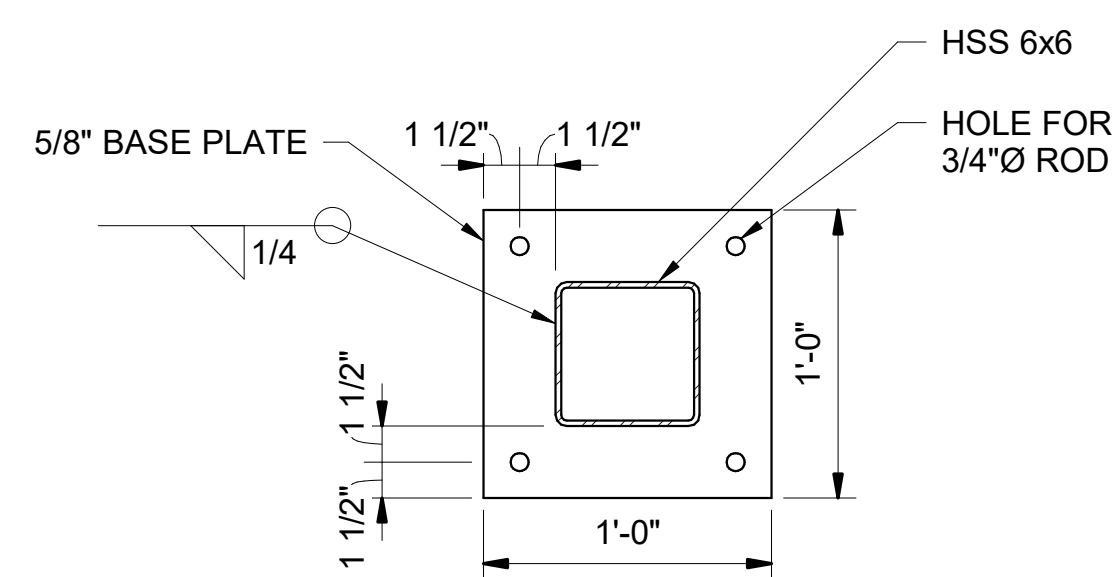
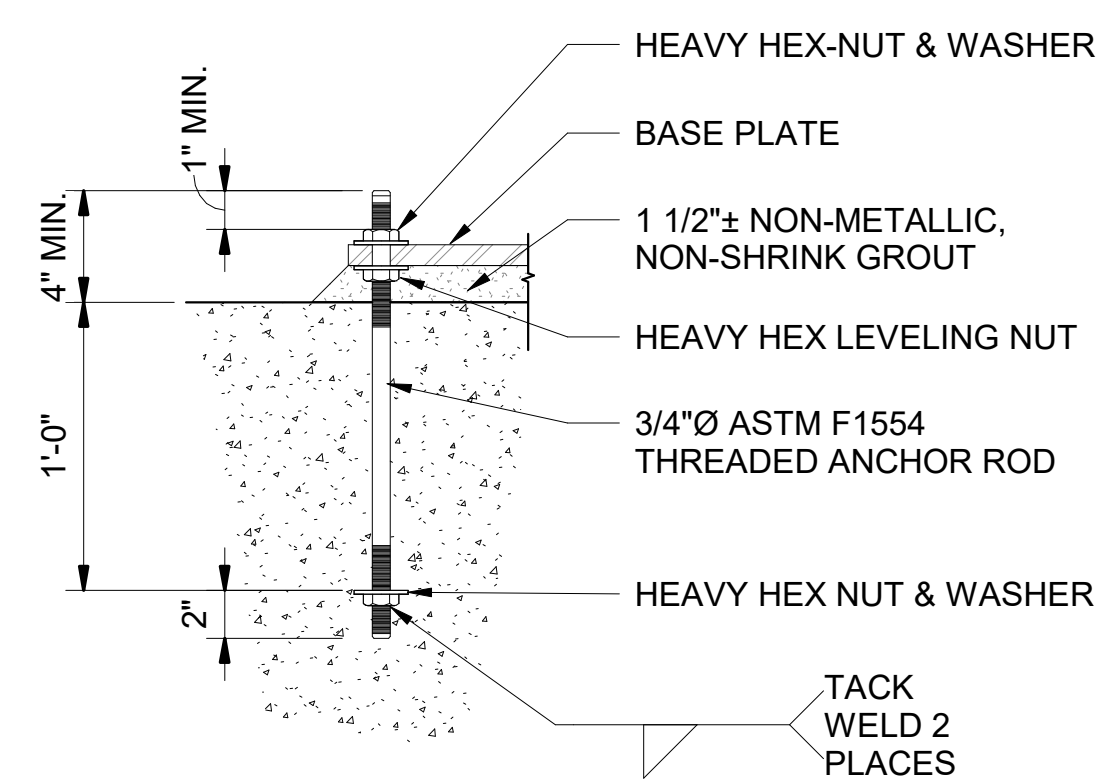


TYP. TRUSS BEARING

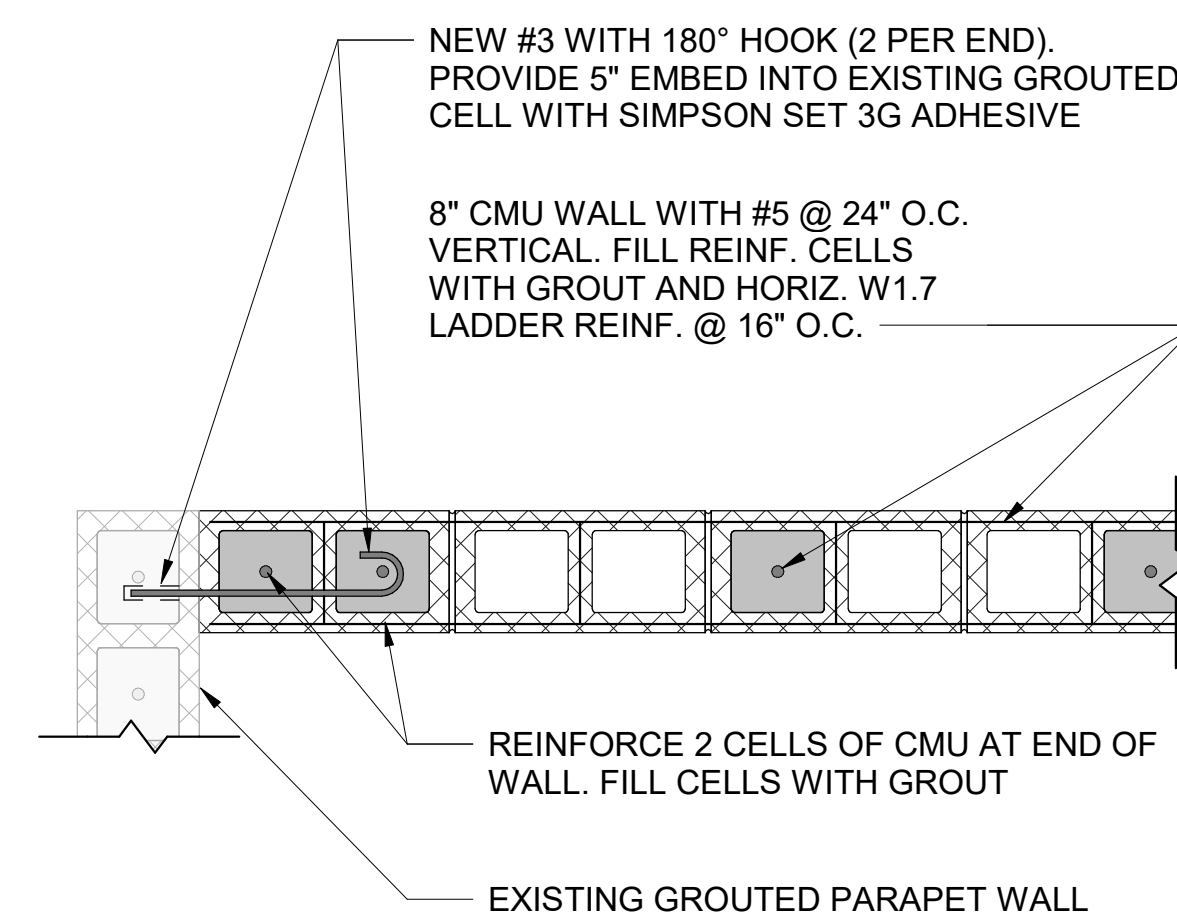
CORNER TRUSS BEARING

6 TRUSS BEARING PLATE DETAIL
SCALE: 1 1/2" = 1'-0"

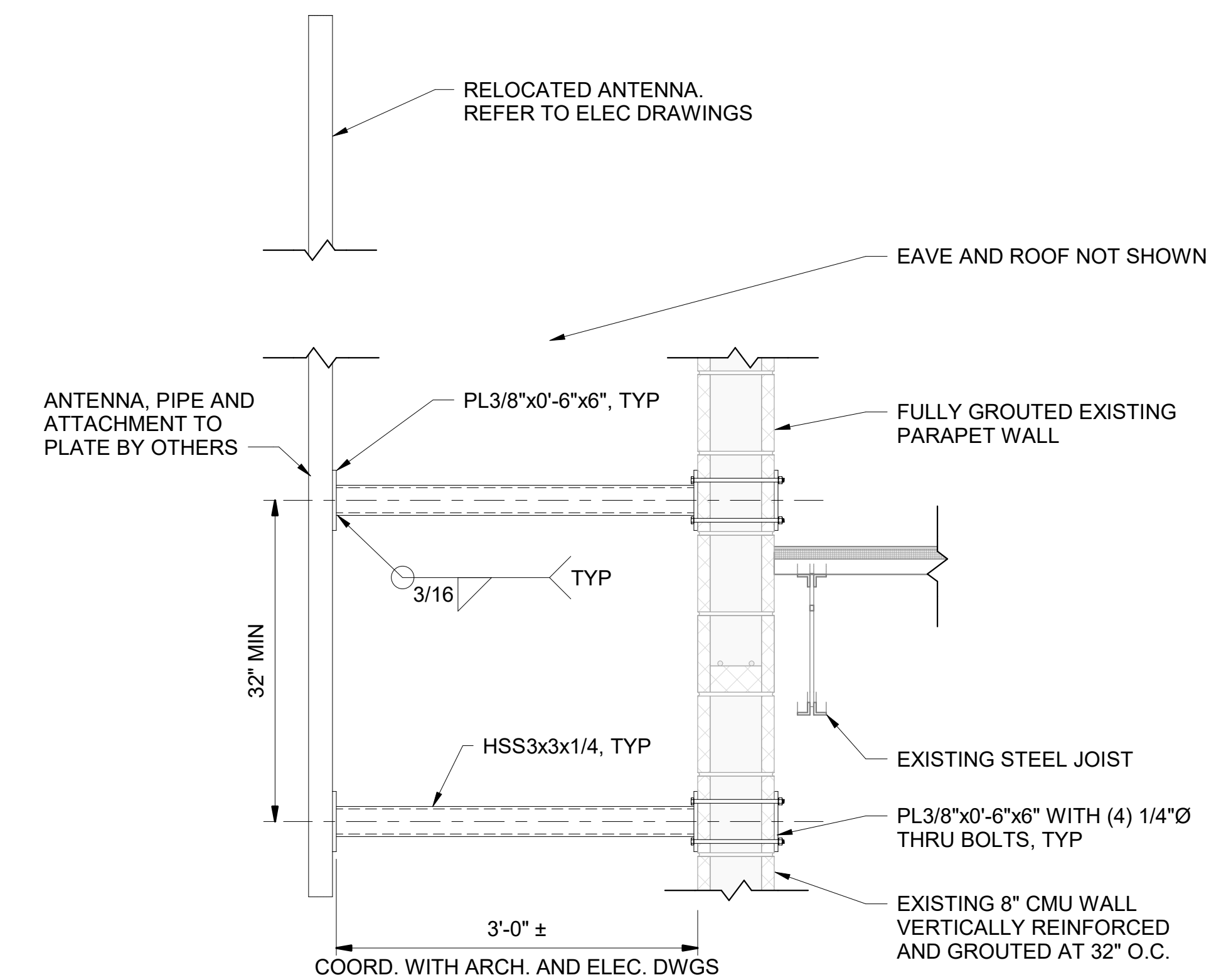
1 STEEL DECK FASTENING DETAIL
SCALE: NOT TO SCALE



4 BASE PLATE DETAIL
SCALE: NOT TO SCALE

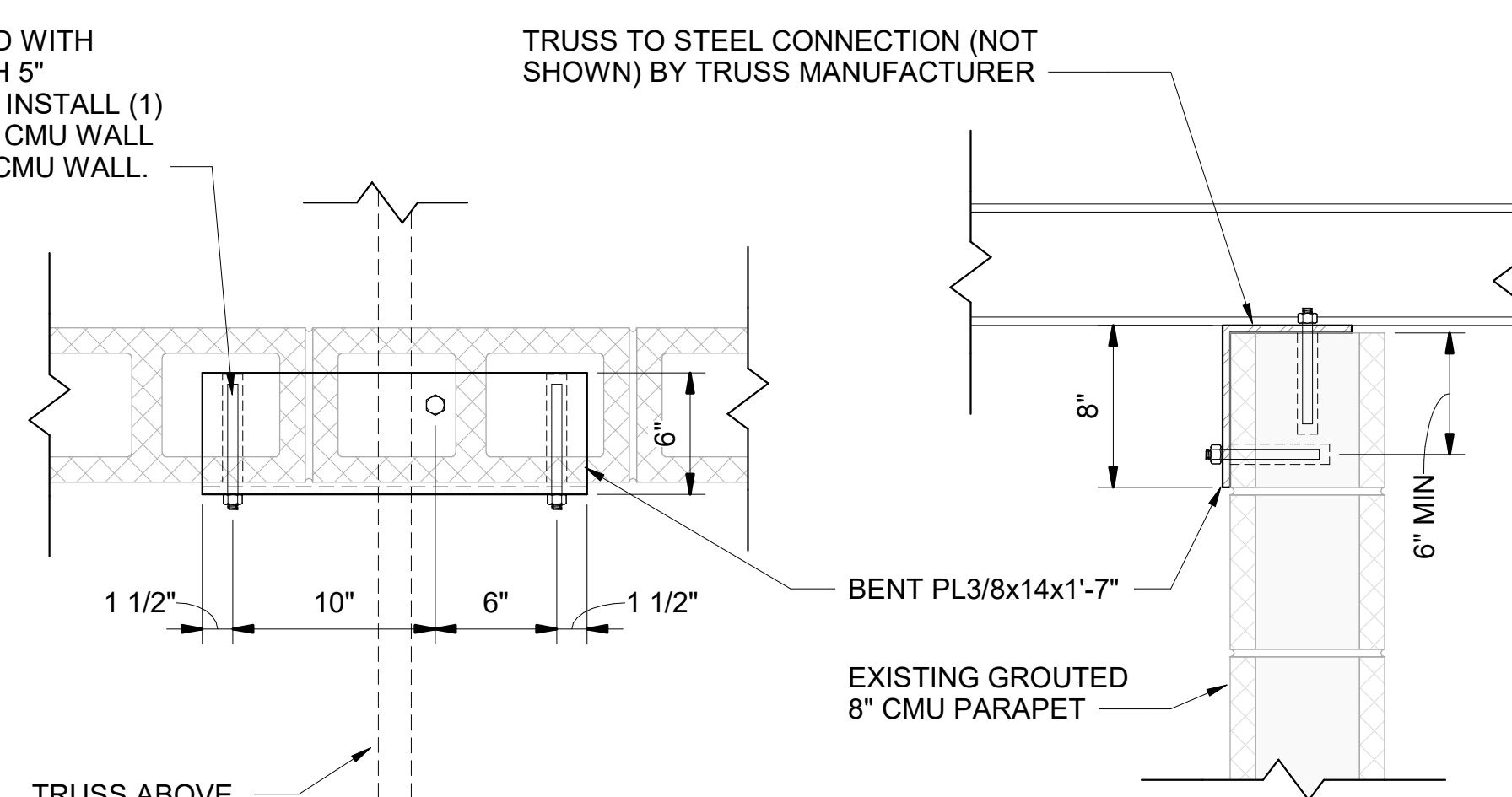


5 TYPICAL CMU REINFORCEMENT
1" = 1'-0"

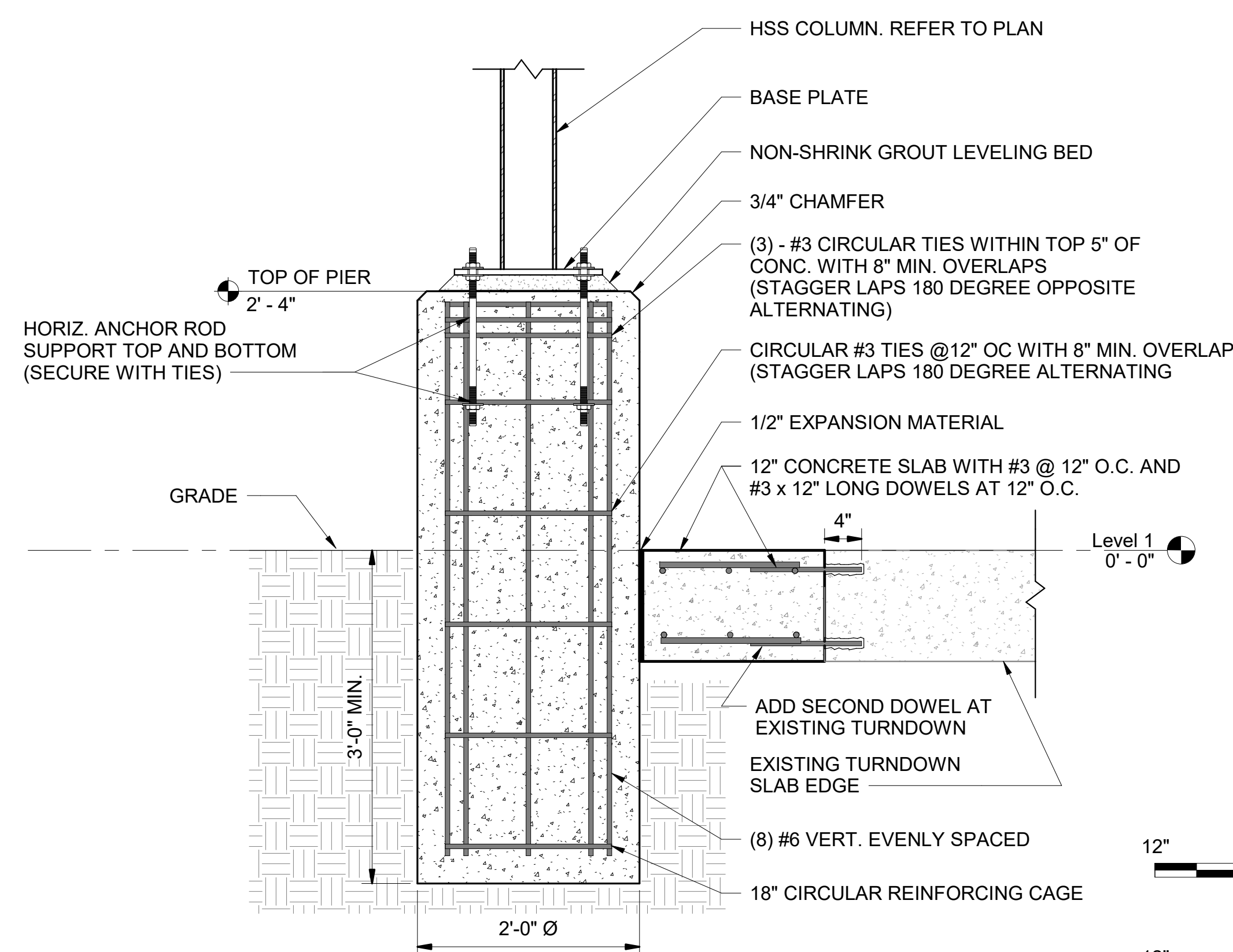


9 ANTENNA MOUNTING BRACKET
SCALE: 1" = 1'-0"

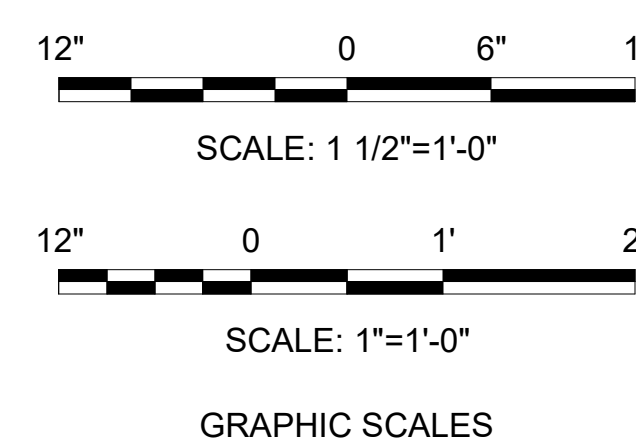
(3) 5/8Ø THREADED ROD WITH SET-3G ADHESIVE WITH 5" MINIMUM EMBEDMENT. INSTALL (1) INTO TOP OF EXISTING CMU WALL AND (2) INTO FACE OF CMU WALL.



7 PLATE TO EXISTING CMU CONNECTION
SCALE: 1 1/2" = 1'-0"



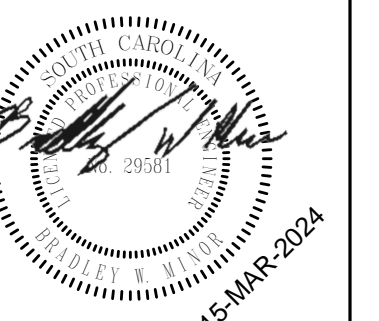
8 SECTION
SCALE: 1" = 1'-0"



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ISSUE DATE: 04 MARCH 2024

NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO. 28679	CEMS CORPORATE ENGINEERING & CONSTRUCTION 15000 W. 15TH AVE. SUITE 100 DENVER, CO 80202	S-501
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY C. STOCKMAN	DEPARTMENT OF THE NAVY MARINE CORPS AIR STATION BEAUFORT, S.C.	REPAIR BUILDING 1103 (BE2054M)
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY E. SHIPMAN	SECTIONS AND TYPICAL DETAILS	
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR B. MINOR	SIZE F	CODE IDENT. NO. N A V F A C DRAWING NO.
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED DATE	HQMC PROJ. NO.:	CONSTR. CONTR. NO.:
	PUBLIC WORKS OFFICER	SCALE: As indicated	MACC. T.O. # SHEET 5 OF 19



GRAPHIC SYMBOLS LEGEND:

NORTH ARROW

PLAN NORTH

PLAN NORTH ARROW

TRUE NORTH ARROW

DRAWING SCALE INDICATOR

86420816

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

GRAPHIC SCALE

ELEMENT INDICATORS

101

DOOR IDENTIFICATION TAG

01

WINDOW IDENTIFICATION TAG

MBA.1sa1

PARTITION TYPE TAG

11

SIGNAGE TAG

KEYNOTE INDICATORS

DA

SHEET KEYNOTE

INTERIOR ELEVATION INDICATOR

A1

DIRECTION OF ELEVATION

SHEET DETAIL IS LOCATED ON

EXTERIOR ELEVATION INDICATOR

A1

DIRECTION OF ELEVATION

Detailed description of exterior elevation indicator symbols and their components.

WALL/BUILDING SECTION INDICATOR

A1

DIRECTION OF CUTTING PLANE

Detailed description of wall/building section indicator symbols and their components.

ENLARGED DETAIL/AREA INDICATOR

1

SIM

A101

Detailed description of enlarged detail/area indicator symbols and their components.

MATCHLINE INDICATOR

MATCH LINE

SEE 1/ A101

Detailed description of matchline indicator symbols and their components.

DRAWING TITLE INDICATOR

A1

View Name

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

A-101

Detailed description of drawing title indicator symbols and their components.

LEVEL INDICATOR

0'-0"

LEVEL NAME

Detailed description of level indicator symbols and their components.

REVISION CLOUD AND NUMBER INDICATOR

REVISION NUMBER

LIMIT OF REVISION AREA

Detailed description of revision cloud and number indicator symbols and their components.

ROOM TAG

Room name

ROOM NAME

101

ROOM NUMBER

150 SF

ROOM SQUARE FOOTAGE

FURNITURE TAG

11

FURNITURE IDENTIFICATION TAG

FINISH TAG

11

FINISH IDENTIFICATION TAG

ARCHITECTURAL ABBREVIATIONS:		
A A/C ACC ACT ADA ADC ADMIN ADS AFC AFF AFG AHJ ALT ALUM APPD APPROX AR ARCH ASC ASI AVG AW AWI AWT	AIR CONDITION ARCHITECT/ENGINEER ACCESSIBLE ACOUSTICAL CEILING TILE AMERICANS WITH DISABILITIES ACT AUTOMATIC DOOR CLOSER ADMINISTRATION AUTOMATIC DOOR SEAL ABOVE FINISHED COUNTER ABOVE FINISHED FLOOR ABOVE FINISHED GRADE AUTHORITY HAVING JURISDICTION ALTERNATE ALUMINUM APPROVED APPROXIMATE AS REQUIRED ARCHITECT ABOVE SUSPENDED CEILING ARCHITECT'S SUPPLEMENTAL INSTRUCTION AVERAGE ARCHITECTURAL WOODWORK ARCHITECTURAL WOODWORKING INSTITUTE ACOUSTICAL WALL TREATMENT	E EAST EACH EACH END EACH FACE EXTERIOR GYPSUM SHEATHING BOARD ELECTRIC HAND DRYER EXTERIOR INSULATION AND FINISH SYSTEM EXPANSION JOINT ELASTOMERIC ELEVATOR EXPANDED METAL ENGINEER ENTRANCE EXPANDED POLYSTYRENE BOARD (INSULATION) EQUAL EQUALLY SPACED EQUIP EQUIVALENT EXISTING ROOF DRAIN ESCALATOR ET CETERA EXISTING TO REMAIN EVACUATE ELECTRIC WATER COOLER EYE WASH STATION EXHAUST EXHAUST FAN EXHAUST HOOD EXHAUST VENT EXPANSION EXISTING EXTERIOR EXTERIOR GRADE
B BD BF BFF BHMA BITUM BKG BLDG BLKHD BLKT BLW CLG BM BN BOS BOT BS BU BUR	BOARD BOTH FACES BELOW FINISH FLOOR BUILDERS HARDWARE MANUFACTURERS ASSOCIATION BITUMINOUS BACKING BUILDING BULKHEAD BLANKET BELOW CEILING BEAM BULLNOSE BOTTOM OF STEEL BOTTOM BOTH SIDES BUILT-UP BUILT-UP ROOFING	F FEMALE FIRE ALARM FABRIC FASCIA FASCIA BOARD FILE CABINET FACE BRICK FACTORY FLOOR DRAIN FIRE DOOR FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FEDERAL FINISH FACE FURNITURE, FIXTURE, AND EQUIPMENT FROM FLOOR ABOVE FROM FLOOR BELOW FIBERGLASS FIRE HYDRANT FIRE HOSE CABINET FINISH FINISH BOTH SIDES FINISH FLOOR FINISH GRADE FINISH WOOD FIXTURE FLASHING FOLDING FLOORING FLUSH MOUNT FLOURESCENT FINISHED OPENING FACE OF CONCRETE FACE OF FINISH FACE OF CONCRETE FACE OF FINISH FACE OF MASONRY FACE OF STUD FACE OF WALL FIRE RESISTANT FIRE RATED ASSEMBLY FIBERGLASS REINFORCED PLASTIC FEET FACIAL TISSUE DISPENSER FOOTING FURNITURE
C C TO C C&P CAB CB CD CF/CI CFE CG CH BD CJ CL CLG CLR CM CM CMU CNTR CO COL CONC CONF CONT CONTR COORD CORR CPT CT CTB CTF CTR	CHANNEL CENTER TO CENTER CARPET AND PAD CABINET CERAMIC BASE FEDERAL CONSTRUCTION DOCUMENTS CONTRACTOR FURNISHED/CONTRACTOR INSTALLED CONTRACTOR FURNISHED/OWNER INSTALLED CONTRACTOR FURNISHED EQUIPMENT CORNER GUARD CHALKBOARD CONTROL JOINT CENTER LINE CEILING CLEAR CENTER MATCHED CONSTRUCTION MANAGEMENT CONCRETE MASONRY UNIT COUNTER CLEANOUT COLUMN CONCRETE CONFERENCE CONTINUE CONTRACTOR COORDINATE CORRIDOR CARPET CERAMIC TILE CERAMIC TILE BASE CERAMIC TILE FLOOR CENTER	G GAGE GALVANIZED GRAB BAR GUARD RAIL GOVERNMENT FURNISHED/CONTRACTOR INSTALLED GOVERNMENT FURNISHED/GOVERNMENT INSTALLED GRIDLINE GLASS BLOCK GLAZING GOVERNMENT GROUP GYPSUM PLASTER CEILING GALLONS PER MINUTE GROUND FLOOR GRANITE GYPSUM SHEATHING BOARD GROUT GUTTER GLAZED WALL TILE GYPSUM
GYP BD GYP PLAS	GYPSUM BOARD GYPSUM PLASTER	
H H HB HC HC HCP HCWD HD HDW HM HMD HMDF HMF HMDRL HO HORIZ HS HT HVAC	HATCH (ROOF) HIGH HOSE BIBB HANDICAP HOLLOW CORE HANDICAPPED HOLLOW CORE WOOD DOOR HAND DRYER HARDWARE HOLLOW METAL HOLLOW METAL DOOR HOLLOW METAL DOOR AND FRAME HOLLOW METAL FRAME HANDRAIL HOLD OPEN HORIZONTAL HAND SINK HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING	I ID IF IFS ILTG IMP INS INS INSUL J JAN JAN CLO JS K KD KO KOP KPL L L LAB LAM LAM GL LAT LAU LAV LB LBR LC LD BRG LDG LF LH LHR LIN LKR LT LVDR LVR
NFPA NIC NOM NR NRC NTS	NATIONAL FIRE PROTECTION ASSOCIATION NOT IN CONTRACT NOMINAL NOISE REDUCTION NOISE REDUCTION COEFFICIENT NOT TO SCALE	Q QT QTB QTF QTY R R RB RC RCP RD REBAR REC REF REINF REQD RESIL REST REV RF RH RHR RLG RM RO RTF RV S S SA SAT SATC SC SCHD SCWD SD SH SIM SLNT SM SND SPEC SQ SS SSSMR SST STC STD SYM SYS
TMPD GL TO TO FDN TOB TOC TOF TOJ TOM TOS TOW TPD TPH TR TRANS TRANS TSH TV TYP	TEMPERED GLASS TOP OF TOP OF FOUNDATION TOP OF BEAM TABLE OF CONTENT TOP OF FOOTING TOP OF JOIST TOP OF MASONRY TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TOILET PAPER HOLDER TOWEL RACK TRANSOM TRANSPARENT TOWEL SHELF TELEVISION TYPICAL	S SOUTH SINGLE ACTING (DOOR) SUSPENDED ACOUSTICAL TILE SUSPENDED ACOUSTICAL TILE CEILING SOLID CORE SCHEDULE SOLID CORE WOOD DOOR SOAP DISPENSER SINGLE HUNG (WINDOW) SIMILAR SEALANT SHEET METAL SANITARY NAPKIN DISPENSER SPECIFICATION SQUARE SERVICE SINK STRUCTURAL STANDING SEAM METAL ROOM STAINLESS STEEL SOUND TRANSMISSION CLASS STANDARD SYMBOL SYSTEM
U UCD UL UNFIN UNO UR	UNDERCUT DOOR UNDERWRITERS LABORATORIES UNFINISH UNLESS NOTED OTHERWISE URINAL	T TB TD TEL TEMP TER THK TK BD
P PAR PAT PCC PEJ PH PHOTO PL PLAM PORC PR PREFAB PREFIN PRELIM PREV PRKG PSF PSI PT PTD PTR	PARAPET PATTERN PRECAST CONCRETE PREMOLDED EXPANSION JOINT PHASE PHOTOGRAPH PROPERTY LINE PLASTIC LAMINATE PORCELAIN PAIR PREFABRICATE PREFINISH PRELIMINARY PREVIOUS PARKING POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PAINT PAPER TOWEL DISPENSER PAPER TOWEL DISPENSER AND RECEPTACLE PARTITION PAPER TOWEL RECEPTACLE	M MATL MAX MD ME MEL MEMB MEZZ MFR MGT MICRO MID MIN MISC MKR MLWK MO MOPR MR MRB MRF MRT MS MSB MT MT MTD MTG MTL MTLD MTLF MTLP MTLR MULL MULT MW MWP
N N NA	NORTH NOT APPLICABLE	

WC WD WH WM WS WSCT WSL	WATER CLOSET WOOD DOOR WALL HUNG WIRE MESH WEATHERSTRIP WAINSCOT WEATHER SEAL
Y YD	YARD
W W/ W/O	WITH WITHOUT

REVISIONS

SYM.	DESCRIPTION	DATE	APP.

GENERAL NOTES

1. ABBREVIATIONS, GRAPHIC SYMBOLS LEGEND, LINEWORK LEGEND ON THIS SHEET APPLY TO ALL ARCHITECTURAL AND INTERIOR SHEETS.

2. SEE OTHER DISCIPLINES FOR NON-ARCHITECTURAL ABBREVIATIONS. NOTE, OTHER DISCIPLINES MAY HAVE THE SAME ABBREVIATION BUT WITH DIFFERENT REPRESENTATIONS.

LINEWORK LEGEND:

AS INDICATED ON NEW WORK DRAWINGS:

NEW CONSTRUCTION (BLACK SOLID, DASHED, AND CENTERLINE LINEWORK)

EXISTING CONSTRUCTION TO REMAIN (GRAY SHADED SOLID, DASHED, AND CENTERLINE LINEWORK)

AS INDICATED ON DEMOLITION DRAWINGS:

EXISTING CONSTRUCTION TO REMAIN (GRAY SHADED SOLID, DASHED AND CENTERLINE LINEWORK)

DEMOLITION WORK (BLACK DASHED LINEWORK)

FIRE RATED LEGEND:

30 MINUTE FIRE RATED PATTERN AND LINEWORK APPLIED TO ALL APPLICABLE WALLS

1 HOUR FIRE RATED PATTERN AND LINEWORK APPLIED TO ALL APPLICABLE WALLS

2 HOUR FIRE RATED PATTERN AND LINEWORK APPLIED TO ALL APPLICABLE WALLS

MATERIALS LEGEND:

MATERIALS	NEW		EXISTING TO REMAIN		DEMOLITION
	IN SECTION	IN ELEVATION	IN SECTION	IN ELEVATION	
EARTH					
CONCRETE/GROUT					
FACE BRICK					
MASONRY					
WOOD					
PLYWOOD					
STEEL					
RIGID INSULATION					
BATT INSULATION					
SAND / E.I.F.S. / PLASTER / STUCCO / GYPSUM BOARD					
GRAVEL / STONE FILL					
ACT CEILING					
METAL PANEL CEILING					

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ISSUE DATE:04 MARCH 2024

NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO. 28680		A-001	
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY M. JOHANNES			
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY D. VON TERSCH	REPAIR BUILDING 1103 (BE2054M)		
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR D. VON TERSCH			
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED DATE	SIZE F	CODE IDENT. NO.	NAV FAC DRAWING NO.
PUBLIC WORKS OFFICER		HOMC PROJ. NO.:		CONSTR. CONTR. NO.:
		SCALE: As indicated	MACC.	T.O. #
		SHEET 6 OF 19		

GENERAL DEMOLITION NOTES:

1. THE SCOPE OF DEMOLITION WORK INCLUDES, BUT IS NOT LIMITED TO, THE DEMOLITION WORK SHOWN ON THE DRAWINGS. CONTRACTOR SHALL PERFORM ALL DEMOLITION AS REQUIRED TO COMPLETE THE WORK, INCLUDING DEMOLITION THAT IS IMPLIED BUT NOT SPECIFICALLY CALLED OUT ON THE DRAWINGS.
2. DEMOLITION SHOWN ON DRAWINGS MAY NOT REPRESENT THE FULL EXTENT OF REQUIRED DEMOLITION OR DEMOLITION PERFORMED BY OTHER TRADES. CONTRACTOR SHALL REVIEW ALL OTHER TRADES FOR FULL EXTENT OF DEMOLITION REQUIREMENTS PERTAINING TO EACH TRADE. ITEMS INCLUDED, BUT NOT LIMITED TO, ARE: PLUMBING FIXTURES, MECHANICAL EQUIPMENT, LIGHT FIXTURES, ETC.
3. REMOVE EXISTING MATERIALS COMPLETE DOWN TO ORIGINAL SUBSTRATES. CLEAN AND PREP SUBSTRATES AS REQUIRED FOR NEW CONSTRUCTION.
4. ADDITIONAL DEMOLITION MAY BE REQUIRED BEYOND THAT INDICATED ON THE DEMOLITION DRAWINGS TO ACHIEVE THE FINAL NEW WORK INDICATED ON THE NEW WORK DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE FINAL EXTENT OF DEMOLITION REQUIRED TO ACHIEVE THE NEW WORK SCOPE AS INDICATED ON THE NEW WORK DRAWINGS.
5. WHERE DEMOLITION WORK IS REQUIRED TO COMPLETE THE NEW WORK INDICATED, THE CONTRACTOR SHALL REMOVE SUFFICIENT EXISTING CONSTRUCTION TO COMPLETE THE NEW WORK. IF NEW REPLACEMENT CONSTRUCTION AT THE LOCATION OF DEMOLITION IS NOT INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL REPLACE THE DEMOLISHED CONSTRUCTION WITH NEW CONSTRUCTION THAT MATCHES THE CONSTRUCTION DEMOLISHED. THE CONTRACTOR WILL NOT BE AWARDED ADDITIONAL COMPENSATION TO DEMOLISH EXISTING CONSTRUCTION TO INCORPORATE NEW WORK INDICATED ON THE DRAWINGS. FURTHERMORE, THE CONTRACTOR WILL NOT BE AWARDED ADDITIONAL COMPENSATION TO REPLACE DEMOLISHED CONSTRUCTION WITH NEW CONSTRUCTION MATCHING EXISTING AT THE REQUIRED DEMOLITION LOCATIONS.

GENERAL NOTES:

1. THE DRAWINGS INDICATE THE GENERAL EXTENT OF THE WORK. THE DRAWINGS ARE NOT INTENDED TO INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE DRAWINGS INDICATE THE GENERAL INTENT OF THE WORK REQUIRED.
2. THE ENUMERATION OF PARTICULAR ITEMS OF WORK IN ONE PORTION OF THE CONTRACT DOCUMENTS SHALL NOT BE CONSTRUED TO EXCLUDE OTHER ITEMS NECESSARY OR IMPLIED.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL PARTS OF THE WORK SO THAT NO WORK SHALL BE LEFT IN AN UNFINISHED OR INCOMPLETE CONDITION.
4. ALL WORK SHALL CONFORM TO APPLICABLE INDUSTRY AND MANUFACTURER'S PUBLISHED STANDARDS FOR QUALITY OF MATERIALS AND WORKMANSHIP. ANY CONFLICTING REQUIREMENTS OF THE SOURCES LISTED ABOVE SHALL BE BROUGHT TO THE CONTRACTING OFFICER'S ATTENTION PRIOR TO PROCEEDING WITH THE WORK.
5. THE CONTRACTOR SHALL PROTECT EXISTING, IN-PLACE, AND NEW WORK.
6. ALL WORK NOTED "N.I.C." OR "G.F.G." IS MEANT TO EXCLUDE THIS SCOPE OF WORK FROM THE CONSTRUCTION CONTRACT.
7. THE CONTRACTOR SHALL PAY FOR AND COORDINATE THE COLLECTION, SEPARATION, RECYCLE, REMOVAL AND LEGAL DISPOSAL OF MATERIALS AND RUBBISH.
8. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SHALL VERIFY ALL NEW AND EXISTING CONDITIONS SHOWN. THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER IN WRITING OF ANY DIFFERING CONDITIONS BEFORE COMMENCEMENT OF WORK. COMMENCEMENT OF WORK SHALL CONSTITUTE ACCEPTANCE OF ALL NEW AND EXISTING CONDITIONS.
9. DO NOT SCALE DRAWINGS, DIMENSIONS GOVERN. LARGE SCALE DETAILS GOVERN OVER SMALL SCALE DETAILS. THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER IN WRITING OF ANY DIFFERING CONDITIONS BEFORE COMMENCEMENT OF WORK.
10. UNLESS NOTED OTHERWISE, ALL NEW GYPSUM BOARD SURFACES ARE TO RECEIVE ONE PRIMER COAT AND TWO COATS OF PAINT.
11. ALL DIMENSIONS INDICATED ARE NOT TO VARY BY MORE THAN 1/8".
12. NFPA 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS SHALL BE APPLIED.
13. DIMENSIONS SHOWN TO STRUCTURAL BEAMS AND COLUMNS ARE TO THE CENTERLINE OF THE MEMBER UNLESS SPECIFICALLY NOTED OTHERWISE.
14. PROVIDE EXPANSION AND CONTROL JOINTS IN ALL WORK AS PER PRODUCT MANUFACTURER'S WRITTEN RECOMMENDATIONS.
15. THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES AND REGULATORY AGENCIES AND SHALL OBTAIN NECESSARY PERMITS FROM ALL AUTHORITIES HAVING JURISDICTION NECESSARY TO EXECUTE THEIR WORK.
16. ALL DISSIMILAR METALS SHALL BE ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
17. NOTES ON ANY ONE SHEET ARE TO BE APPLIED TO RELATED DRAWINGS AND DETAILS ON OTHER SHEETS.
18. ALL FINISH REQUIREMENTS INDICATED SHALL APPLY TO THE ENTIRE LENGTH AND WIDTH OF THE FLOOR AND CEILING INDICATED, AND THE ENTIRE LENGTH AND HEIGHT OF THE WALL INDICATED.
19. DETAILS INDICATED FOR CONSTRUCTION ARE TO BE USED FOR ALL LOCATIONS OF SIMILAR CONSTRUCTION. WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE CONTRACTING OFFICER BEFORE PROCEEDING WITH THE WORK.
20. THE CONTRACTOR SHALL COORDINATE ALL PENETRATIONS WITH ALL TRADES.
21. ALL PIPE DUCTS AND BUS DUCTS THAT PENETRATE ASSEMBLIES SHALL BE INSTALLED IN A MANNER THAT WILL PRESERVE THE MOISTURE RESISTANCE, FIRE RATING, AND STRUCTURAL INTEGRITY OF THE ASSEMBLY.
22. CONTRACTOR SHALL PLAN THEIR WORK TO PROVIDE ADEQUATE PROTECTION FOR PERSONS AND PROPERTY AT ALL TIMES AND EXECUTE THE WORK IN SUCH A MANNER TO AVOID ANY HAZARD TO PERSONS AND PROPERTY AS NECESSARY.
23. CONTRACTOR SHALL CONTINUOUSLY COORDINATE PHASING AND CONSTRUCTION WITH THE CONTRACTING OFFICER.
24. EXISTING CONDITIONS AND DIMENSIONS ARE SHOWN PER ORIGINAL DESIGN DRAWINGS AND NON DESTRUCTIVE SITE INVESTIGATIONS. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF DEMOLITION/CONSTRUCTION AND NOTIFY GOVERNMENT PROMPTLY IF ANY DISCREPANCIES EXIST.
25. CONTRACTOR SHALL PROTECT EXISTING TO REMAIN CONSTRUCTION, FINISHES, FIXTURES, FURNITURE, EQUIPMENT, AND SO FORTH FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED AREAS OR ITEMS ARE TO BE REPAIRED OR REPLACED BY THE CONTRACTOR TO EQUAL OR BETTER CONDITION PRIOR TO BEING DAMAGED. ALL WALLS SCUFFED, MARRED, OR DAMAGED ARE TO BE REPAIRED, AND AT A MINIMUM, REPAINTED CORNER TO CORNER, FLOOR TO CEILING - TOUCH UP PAINTING IS NOT PERMITTED.
26. ALL INCIDENTAL DEMOLITION PERFORMED IN PURSUIT OF EXECUTING THE WORK SHALL BE RECONSTRUCTED TO RETURN THE DEMOLISHED WORK TO PRE-DEMOLITION CONDITION. ONLY WORK INDICATED TO BE LEFT IN A PERMANENTLY DEMOLISHED CONDITION SHALL BE LEFT IN A PERMANENTLY DEMOLISHED CONDITION. ALL OTHER DEMOLISHED WORK SHALL BE RETURNED TO A PREDEMOLISHED CONDITION.

PROJECT NOTES:

1. THE CONTRACTOR SHALL THOROUGHLY PHOTOGRAPH EXISTING CONDITIONS OF THE SITE, THE BUILDING EXTERIOR, AND THE BUILDING INTERIOR PRIOR TO START OF ANY CONSTRUCTION ACTIVITIES AND MAKE AVAILABLE THESE PHOTOGRAPHS TO THE GOVERNMENT WITHIN 30 DAYS OF CONTRACT AWARD.
2. ALL CONDITIONS OF THE SITE AND BUILDING THAT ARE INDICATED AS EXISTING TO REMAIN BUT ARE DISTURBED, DAMAGED, OR MODIFIED DURING CONSTRUCTION ACTIVITIES ARE TO BE RETURNED TO PRIOR TO CONSTRUCTION CONDITION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL ASPECTS OF THE SITE AND THE BUILDING THAT ARE NOT INTENDED TO BE MODIFIED AND RETURN ANY SUCH MODIFIED ASPECTS TO PRE-MODIFIED CONDITIONS.
3. ALL CONDITIONS OFFSITE THAT HAVE BEEN DAMAGED, ALTERED, OR RENDERED IN A CONDITION THAT REDUCES ITS INTENDED EFFECTIVENESS AS A RESULT OF CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT SHALL BE REPAIRED OR REPLACED TO ITS PRE-DAMAGED, ALTERED, OR RENDERED STATE.

HAZARDOUS MATERIALS GENERAL NOTES:

1. HANDLING OF ASBESTOS CONTAINING MATERIALS (ACM) AND ABATEMENT OF ACM IS NOT REQUIRED ON THIS PROJECT. ACM HAVE NOT BEEN IDENTIFIED TO BE PRESENT WITHIN THE BUILDING PER AN ASBESTOS SURVEY REPORT BY TERRACON CONSULTANTS, INC. DATED NOVEMBER 30, 2023. HOWEVER IF SUSPECT ACM IS FOUND DURING RENOVATION, STOP ALL WORK AND CONTACT FEAD AND THE MCAS BEAUFORT ASBESTOS PROGRAM MANAGER. ALL SUSPECT ACM SHALL BE ABATED IN STRICT ACCORDANCE WITH STATE AND FEDERAL GUIDELINES BY CERTIFIED ENTITIES.
2. HANDLING OF LEAD BASED PAINT (LBP) AND ABATEMENT OF LBP IS NOT REQUIRED ON THIS PROJECT. LBP COATINGS HAVE BEEN IDENTIFIED TO NOT BE PRESENT WITHIN THE BUILDING PER A LIMITED PAINT SAMPLING FOR LEAD-CONTENT ANALYSIS BY TERRACON CONSULTANTS, INC. DATED NOVEMBER 30, 2023. HOWEVER, IF SUSPECT LBP IS FOUND DURING RENOVATION, STOP ALL WORK AND CONTACT FEAD AND THE MCAS BEAUFORT HAZARDOUS MATERIALS PROGRAM MANAGER. ALL SUSPECT LBP SHALL BE ABATED IN STRICT ACCORDANCE WITH STATE AND FEDERAL GUIDELINES BY CERTIFIED ENTITIES.

METAL ROOF PANEL AND ASSOCIATED TRIM GENERAL NOTES:

1. THE ROOF PANELS SHALL BE STRUCTURAL STANDING SEAM PREFINISHED ALUMINUM WITH A MINIMUM 2 1/2" HIGH ROLL FORMED RIB WITH 180 DEGREE DOUBLE FOLD MECHANICAL CRIMPING SEAMS WITH CONCEALED CLIPS AND FASTENERS. ROOF PANEL THICKNESS SHALL BE NOT LESS THAN THE GREATER OF 0.032 INCH THICKNESS OR THAT DETERMINED FROM CALCULATIONS BASED ON PANEL PROFILE, LOCAL WIND LOADS, AND PANEL ATTACHMENTS. WIND LOAD PRESSURES SHALL BE IN ACCORDANCE WITH ASCE-7. MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES AND AS DETERMINED BASED ON BUILDING LOCATIONS AND CONFIGURATION. ALUMINUM SHEET SHALL CONFORM TO ASTM B209, AA ADM AND AA ASD1. ROOF PANELS TO BE SMOOTH NON-EMBOSSD.
2. ROOF PANEL AND FLASHING DETAILS ON THE DRAWINGS ARE GENERAL IN NATURE TO AVOID PROPRIETARY CONFLICTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE SPECIFIC DETAILS UNIQUE TO THE SELECTED ROOF PANEL MANUFACTURER THAT MEET THAT ROOF MANUFACTURER'S REQUIREMENTS WHILE ALSO MEETING THE OVERALL INTENT AS INDICATED ON THE DRAWINGS. THE DRAWINGS INDICATE THE OVERALL DESIGN INTENT AND DELIBERATELY AVOID INDICATING SPECIFIC INFORMATION OF ANY ONE ROOF PANEL MANUFACTURER TO ENCOURAGE ROOF PANEL MANUFACTURERS TO PROVIDE THEIR FINAL DESIGN THAT MEETS THE OVERALL INTENT INDICATED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE ADDITIONAL REQUIRED DETAILS AND DESIGN INFORMATION, AS WELL AS ALL THE ROOFING COMPONENTS THAT SUPPORT THEIR DETAILS AND DESIGN INFORMATION, THAT COMPLETES THE OVERALL DESIGN INTENT AS INDICATED ON THE DRAWINGS.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY DURING THE BIDDING PROCESS TO SECURE ANY ADDITIONAL INFORMATION THEY DEEM NECESSARY TO COMPLETE THE DESIGN INTENT AS INDICATED ON THE DRAWINGS. THE CONTRACTOR WILL NOT BE AWARDED ANY ADDITIONAL COMPENSATION AFTER BIDDING IN THEIR PURSUIT TO COMPLETE THE DESIGN OF THE ROOF SYSTEM.
4. ALL FLASHING AND TRIM SHALL BE PREFINISHED ALUMINUM. ROOF PANELS ARE TO RECEIVE A FACTORY-APPLIED POLYVINYLIDENE FLUORIDE OF KYNAR 500/HYLAR 5000 FINISH CONSISTING OF A BAKED-ON TOP-COAT WITH A MANUFACTURER'S RECOMMENDED PRIME COAT. PROVIDE COMPATIBLE FASTENERS TO AVOID GALVANIC ACTION AND CORROSION OF DISSIMILAR MATERIALS. COLORS OF PREFINISHED STANDING SEAM ROOF PANELS AND ALL EXPOSED TO VIEW ROOFING RELATED COMPONENTS ARE TO BE PER THE BEAUFORT, SC MARINE CORPS AIR STATION (MCAS) COLOR STANDARDS AND APPROVED BY MCAS PUBLIC WORKS (PW) DEPARTMENT. EXPOSED FASTENERS FOR TRIM AND ALL ASSOCIATED ROOFING ACCESSORIES SHALL BE PREFINISHED. NO ADDITIONAL COMPENSATION WILL BE AWARDED TO THE CONTRACTOR FOR CUSTOM COLORS IN PURSUIT OF MATCHING THE MCAS COLOR STANDARD. FIELD PAINTING OF COMPONENTS INDICATED TO BE PREFINISHED IS NOT ALLOWED. WHERE COLORS ARE NOT SPECIFICALLY INDICATED, THE CONTRACTOR SHALL MAKE AVAILABLE FOR FINAL SELECTION COLORS FROM THE MANUFACTURERS FULL LINE OF STANDARD AND CUSTOM COLORS.
5. PREFINISHED ALUMINUM GUTTER AND DOWNSPOUT MINIMUM SIZES ARE INDICATED ON THE DRAWINGS. FINAL GUTTER AND DOWNSPOUT PROFILES AND ROUTING ARE TO BE DETERMINED BY THE ROOF PANEL MANUFACTURER AND PROVIDE NOT LESS THAN THE WATER FLOW AS PROVIDED BY THE GUTTER AND DOWNSPOUT SIZES INDICATED. LOCATIONS OF THE DOWNSPOUTS TO BE AS INDICATED ON THE DRAWINGS.
6. REQUESTED DEVIATIONS BY THE CONTRACTOR FROM THE INFORMATION PROVIDED ON THE DRAWINGS MUST BE APPROVED BY THE CONTRACTING OFFICER PRIOR TO THE CONTRACTOR SUBMITTING THEIR BID FOR THE WORK. NO ADDITIONAL COMPENSATION WILL BE AWARDED TO THE CONTRACTOR FOR ANY DESIGN CHANGES IF THOSE REQUESTED CHANGES WERE NOT APPROVED DURING THE BIDDING PROCESS.
7. ALL FLASHING, TRIM, ACCESSORIES, AND MISCELLANEOUS ROOFING COMPONENTS SHALL BE APPROVED BY THE ROOF PANEL MANUFACTURER AND INCORPORATED INTO THE DESIGN BY THE ROOF PANEL MANUFACTURER. THE ROOF SYSTEM, FLASHING, TRIM, GUTTER, DOWNSPOUT, AND SO FORTH SHALL BE COMPRISED OF COMPONENTS DESIGNED AND PROVIDED TO THE GREATEST EXTENT POSSIBLE BY THE ROOF PANEL MANUFACTURER.
8. ROOF PENETRATIONS ARE NOT PERMITTED EXCEPT FOR THOSE INDICATED ON THE DRAWINGS.
9. THE ROOF PANEL AND ALL ASSOCIATED ROOFING ACCESSORIES SUCH AS FLASHING, TRIM, GUTTER, DOWNSPOUTS, AND SO FOR SHALL BE WARRANTED FOR NOT LESS THAN 20 YEARS. CONTRACTOR TO SUBMIT MANUFACTURER'S STANDARD WARRANTY TO CONTRACTING OFFICER.
10. STRUCTURAL STANDING SEAM METAL ROOF MAY BE SHOWN ABBREVIATED AS "SSSMR".

GENERAL FINISH NOTES:

1. ALL GENERAL CONTRACTORS AND SUB CONTRACTORS ARE TO READ AND REVIEW ARCHITECT'S DRAWINGS AND SPECIFICATIONS AS WELL AS ENGINEER'S DRAWINGS AND SPECIFICATIONS AND COORDINATE EACH WITH THEIR SPECIFIC FIELD BEFORE BEGINNING WORK.
2. CONTRACTOR SHALL FURNISH AND INSTALL MATERIALS IN COMPLIANCE WITH MANUFACTURER'S PRINTED SPECIFICATIONS AND INSTALLATION INSTRUCTIONS.
3. IN THE EVENT ANY FINISH ITEM IS FOUND TO BE DISCONTINUED OR UNAVAILABLE, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY. CONTRACTOR SHALL NOTIFY GOVERNMENT OF ANY ITEMS REQUIRING FURTHER CLARIFICATION OF FINISH SELECTION.
4. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS AND NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO ORDERING OF MATERIALS OR INITIATING ANY WORK IN QUESTION. DO NOT SCALE ARCHITECTURAL DRAWINGS. REFER TO DIMENSIONED PLANS.
5. CONTRACTOR SHALL PROVIDE TO OWNER ALL MANUFACTURER'S RECOMMENDED MAINTENANCE INSTRUCTION DOCUMENTS ON ALL FINISH MATERIALS. CONTRACTOR TO PROVIDE ARCHITECT WITH SHOP DRAWINGS FOR APPROVAL FOR ALL NEW MATERIALS INSTALLED.
6. INTERIOR CONSTRUCTION REQUIRING FINISH / COLOR SELECTION NOT NOTED WITHIN THE SCHEDULE SHALL BE SUBMITTED TO THE CONTRACTING OFFICER IN WRITING, WITH SAMPLES OR FINISH / COLORS AVAILABLE, CLEARLY IDENTIFYING ANY THAT MIGHT BE AT A PREMIUM UPGRADE ABOVE THE PRODUCT BID.
7. ALL PRODUCT SPECIFICATIONS ARE GIVEN TO DEFINE DESIGN, COLOR AND QUALITY. SUBSTITUTIONS REQUIRE THE PRIOR APPROVAL OF THE CONTRACTING OFFICER. PROPOSED SUBSTITUTIONS SHALL ADHERE TO THE INTENT OF THE QUALITY, DESIGN, COLOR AND PATTERN.
8. ALL FINISHES ARE DESIGNATED USING "PLAN NORTH".

DOORS AND DOOR FRAMES:

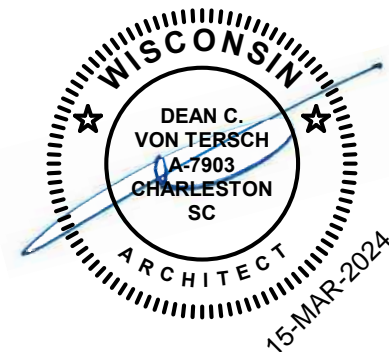
1. ALL METAL DOORS AND ALL DOOR FRAMES SHALL BE PAINTED MTL-1, BOTH SIDES OF DOOR AND FRAME. SEE FINISH SCHEDULE.

ALUMINUM COLUMN COVER NOTES:

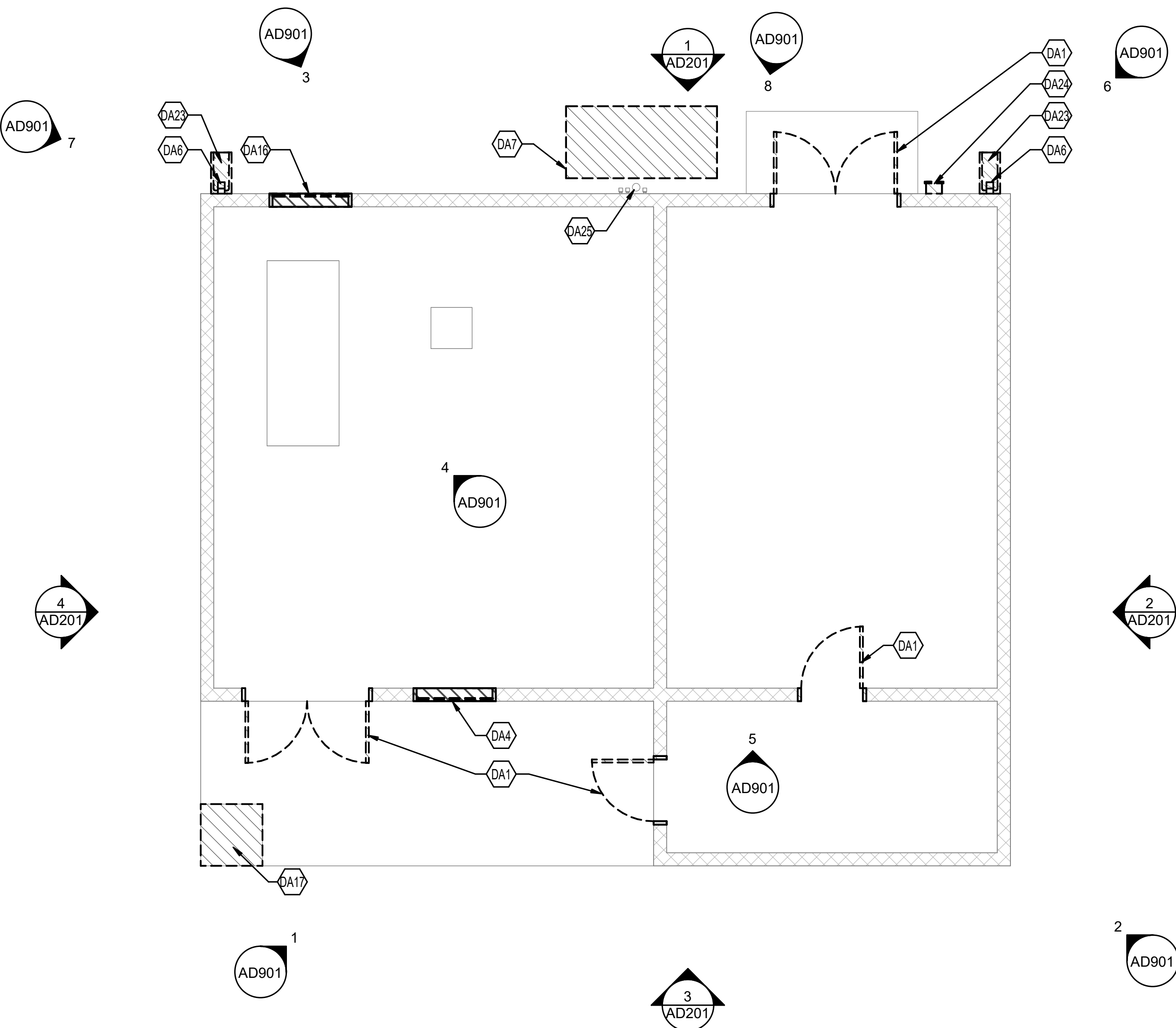
1. COLUMN COVER THICKNESS SHALL BE NOT LESS THAN THE GREATER OF 0.125 INCH OR THAT DETERMINED FROM CALCULATIONS BASED ON COVER PROFILE, LOCAL WIND LOADS, AND COVER ATTACHMENTS. WIND LOAD PRESSURES SHALL BE IN ACCORDANCE WITH ASCE-7. MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES AND AS DETERMINED BASED ON BUILDING LOCATIONS AND CONFIGURATION.
2. COLUMN COVER TO BE SMOOTH NON-EMBOSSD WITH FLUOROCARBON RESIN UTILIZING A 70% KYNAR 500 / HYLAR 5000 RESIN COATING. PAINTING TO BE IN ACCORDANCE WITH AAMA 2605 OR 2604. COLOR TO BE AS INDICATED ON THE DRAWINGS. FINISH WARRANTY TO BE NOT LESS THAN 10 YEARS.
3. COLUMN COVER TO BE OF ALUMINUM SHEET MEETING ASTM B209 AND OF SHAPE AND DIMENSION AS INDICATED ON THE DRAWINGS.
4. COLUMN COVER TO BE SECURED TO STRUCTURAL STEEL COLUMN PER MANUFACTURER'S STANDARD STANDOFF CONNECTIONS.
5. COLUMN COVER TO BE 2-PIECE WITH PREFINISHED REMOVABLE ALUMINUM CHANNEL COVER PERMITTING ACCESS TO COLUMN WRAP FASTENERS. REMOVABLE CHANNEL TO BE SET IN A BEAD OF SEALANT.
6. COLUMN COVER TO BE ONE PIECE FROM TOP OF CONCRETE PIER TO UNDERSIDE OF FINISH METAL SOFFIT. PROVIDE 1/8" GAP BETWEEN COLUMN COVER AND TOP OF CONCRETE PIER AND 1/8" GAP BETWEEN COLUMN COVER AND UNDERSIDE OF FINISH SHEET METAL CEILING. COLUMN COVER TO NOT COME IN CONTACT WITH THE CONCRETE PIER.
7. PROVIDE ALL NECESSARY SHIMS, SPACERS, FASTENERS, BRACKETS, STIFFNERS, ACCESSORIES, AND SO FORTH FOR A COMPLETE INSTALLATION.
8. INSTALLATION TO BE PER COLUMN COVER MANUFACTURER'S WRITTEN REQUIREMENTS. INSTALLATION TO BE BY INSTALLERS TRAINED AND CERTIFIED BY COLUMN COVER MANUFACTURER.

BUILDING PRESSURE WASHING GENERAL NOTES:

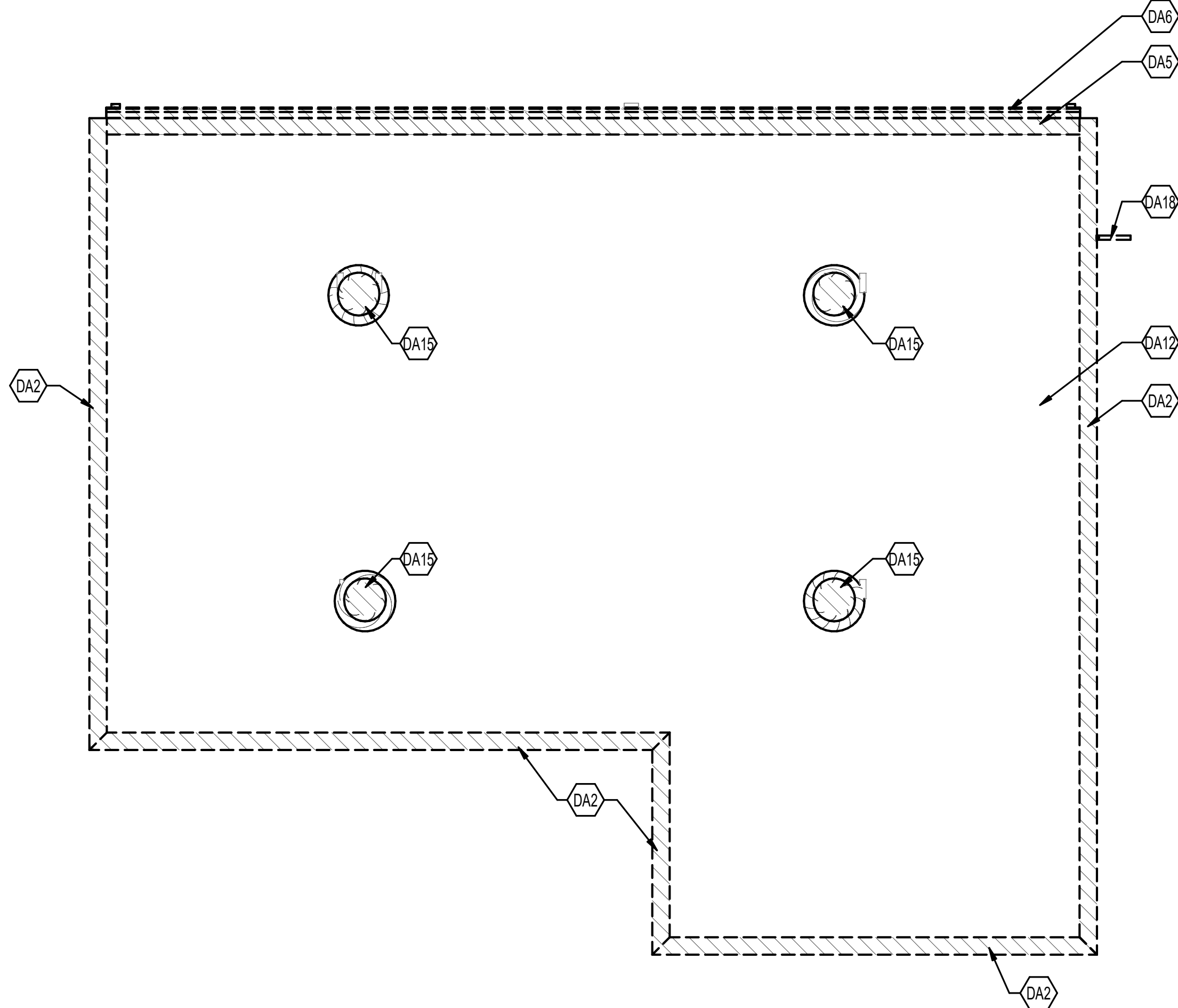
1. ALL EXISTING EXPOSED TO WEATHER EXTERIOR CMU WALL AND VERTICAL CONCRETE WALL SURFACES ARE TO BE PRESSURE WASHED. NO INTERIOR CMU WALL SURFACES ARE TO BE PRESSURE WASHED.
2. ALL PRESSURE WASHING SHALL BE CONDUCTED PRIOR TO ANY NEW EXTERIOR WALL FINISH CONSTRUCTION.
3. PRESSURE AND WATER GPM SHALL BE SUFFICIENT TO REMOVE DELETERIOUS MATERIALS BUT NOT ERODE SOUND MORTAR JOINTS.
4. AT THE CONCLUSION OF ALL PRESSURE WASHING AND PRIOR TO APPLICATION OF ANY EXTERIOR WALL FINISH MATERIALS, THE CONTRACTOR SHALL NOTIFY THE MCAS PUBLIC WORKS (PW) DEPARTMENT SO THE MCAS PW DEPARTMENT CAN PERFORM A VISUAL INSPECTION OF THE CMU MORTAR JOINTS.
5. UNSOUND MORTAR JOINT MATERIAL REMOVED DURING PRESSURE WASHING SHALL BE REPOINTED BY THE CONTRACTOR. THE CONTRACTOR SHALL ASSUME TO REPOINT NOT LESS THAN 120 LINEAR FEET OF MORTAR JOINTS.
6. THE CONCRETE FLOOR SLAB IN GENERATOR ROOM 101 IS TO BE PRESSURE WASHED AND RESEALED. NO OTHER ROOMS ARE TO HAVE THEIR FLOORS PRESSURE WASHED OR RESEALED.



IF SHEET IS LESS THAN (30"x42") IT IS A REDUCED PRINT: SCALE ACCORDINGLY		ISSUE DATE:04 MARCH 2024	
NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO. 28681	CEMS + <small>CONSTRUCTION PROJECTS AND PLANNING DIVISION</small>	
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY M. JOHANNES	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND REPAIR DIV. 5C MARINE CORPS AIR STATION	
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY D. VON TERSCH	REPAIR BUILDING 1103 (BE2054M)	
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR D. VON TERSCH	GENERAL ARCHITECTURAL NOTES	
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED DATE	SIZE F	CODE IDENT. NO. N A V F A C DRAWING NO.
PUBLIC WORKS OFFICER		HOMC PROJ. NO.:	CONSTR. CONTR. NO.:
		SCALE: As indicated	MACC. T.O. # SHEET 7 OF 19



1 DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 DEMOLITION ROOF PLAN
SCALE: 1/4" = 1'-0"

REVISIONS			
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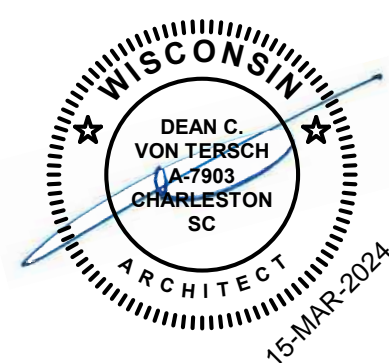
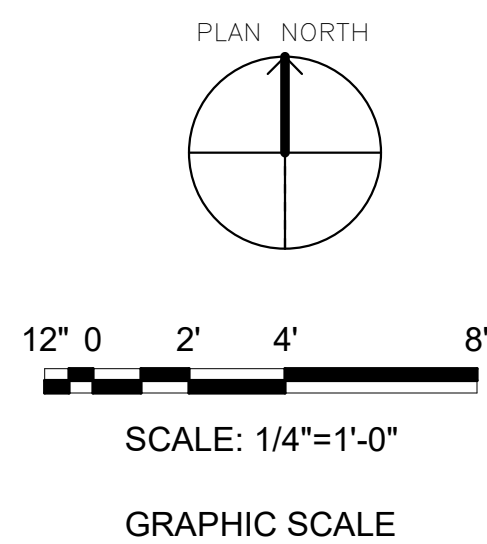
GENERAL NOTES

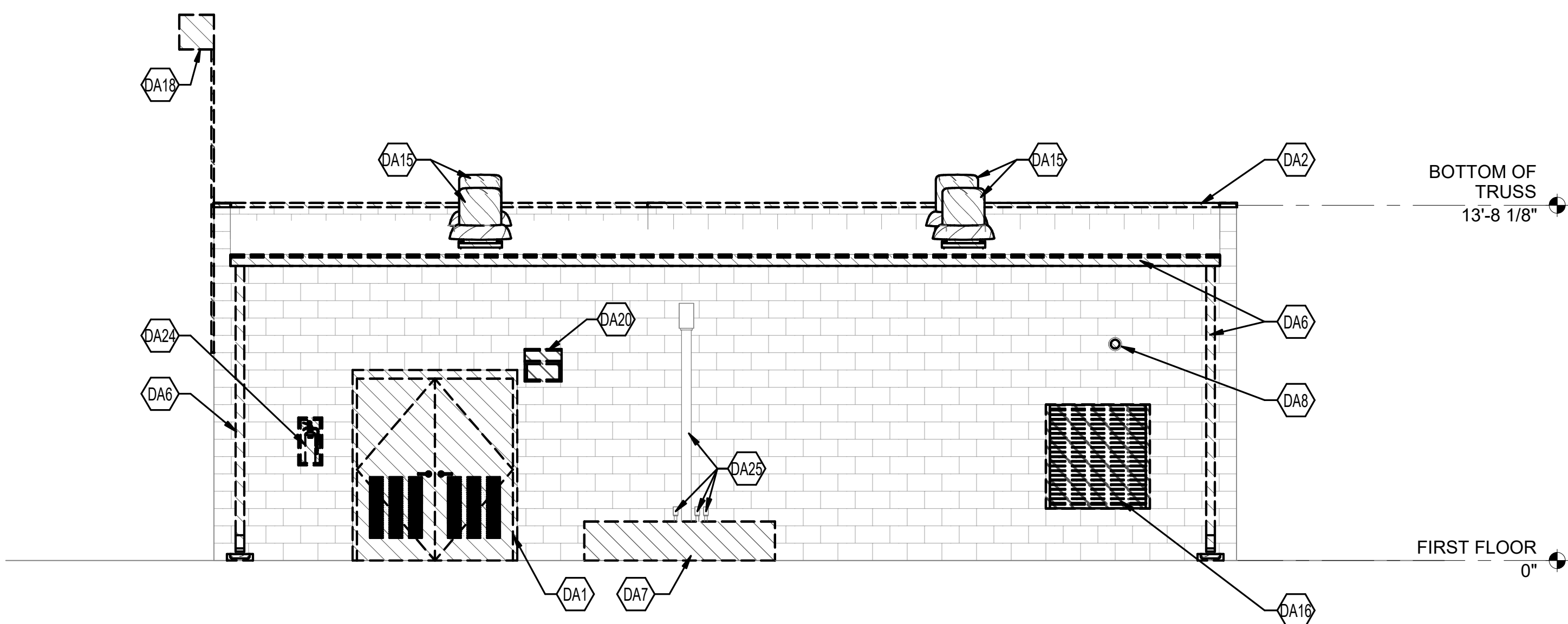
- EXISTING PHOTOS AND DRAWINGS INDICATE GENERAL SCOPE OF WORK. EXISTING CONDITIONS MAY VARY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
- CLEAN, PATCH, AND PREPARE ALL EXTERIOR WALL SURFACES FOR NEW STUCCO. REMOVE AND REINSTALL ALL EXTERIOR WALL MOUNTED ELEMENTS TO BE REUSED, INCLUDING BUT NOT LIMITED TO FIRE EXTINGUISHERS, CONDUIT, SIGNAGE, ETC.
- CLEAN AND PREPARE ALL INTERIOR WALL SURFACES FOR NEW FINISHES

SHEET KEYNOTES

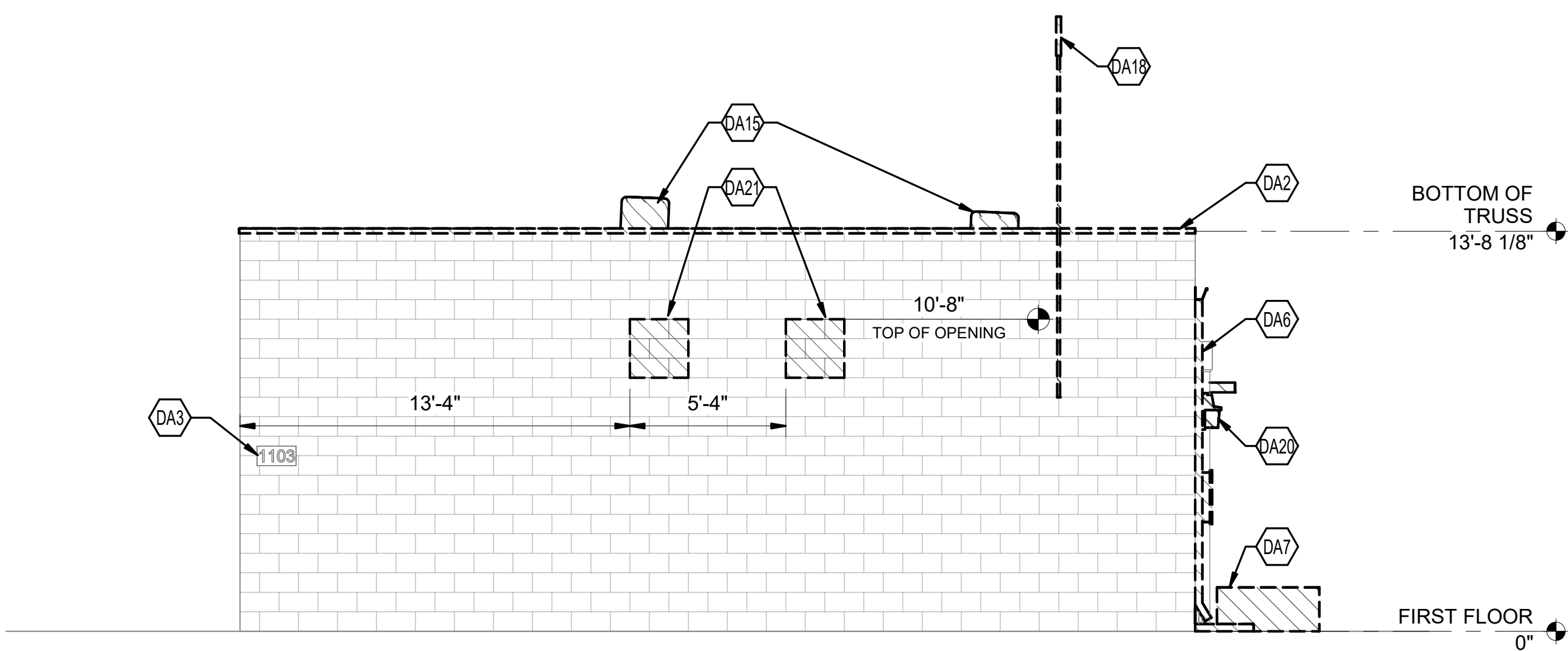
- DA1 DEMOLISH DOOR, FRAME AND HARDWARE COMPLETE. PREPARE OPENING FOR NEW DOOR AND FRAME.
- DA2 DEMOLISH METAL COPING AND WOOD BLOCKING DOWN TO EXISTING TO REMAIN CMU WALL - TYPICAL ALL LOCATIONS. PREPARE FOR NEW STRUCTURAL ROOF FRAMING. SEE STRUCTURAL.
- DA4 DEMOLISH LOUVER AND FRAME COMPLETE. PREPARE FOR NEW CMU WALL INFILL.
- DA5 DEMOLISH PORTION OF SINGLE PLY ROOFING, INSULATION, WOOD BLOCKING, AND METAL DECKING TO EXTENT'S REQUIRED FOR NEW WORK. PATCH AND REPAIR EXISTING TO REMAIN MASONRY WHERE DAMAGED FROM DEMOLITION. SEE STRUCTURAL FOR ADDITIONAL DEMOLITION INFORMATION.
- DA6 DEMOLISH METAL GUTTERS AND DOWNSPOUTS COMPLETE - TYPICAL ALL LOCATIONS.
- DA7 EXISTING CONCRETE PAD RELOCATED FROM ADJACENT TO BUILDING TO EDGE OF SITE UNDER PREVIOUS WORK. CONTRACTOR TO DEMOLISH CONCRETE PAD AND REMOVE FROM SITE.
- DA12 EXISTING SINGLE PLY ROOF SYSTEM, INSULATION AND METAL ROOF DECK TO REMAIN.
- DA15 EXISTING ROOF TOP EXHAUST FAN AND ASSOCIATED EQUIPMENT TO BE REMOVED. CURB TO REMAIN. PREP CURB TO RECEIVE NEW SHEET METAL CURB CAP. SEE MECHANICAL.
- DA16 DEMOLISH LOUVER AND FRAME COMPLETE. PREPARE OPENING FOR NEW LOUVER.
- DA17 DEMOLISH PORTIONS OF SLAB ON GRADE FOR STRUCTURAL IMPROVEMENTS. SEE STRUCTURAL.
- DA18 EXISTING ANTENNA AND MOUNTING BRACKETS, INCLUDING ABANDONED ANTENNA BRACKETS, TO BE REMOVED. ANTENNA TO BE PRESERVED FOR UNINTERRUPTED USE DURING CONSTRUCTION. SEE ELECTRICAL FOR ADDITIONAL REQUIREMENTS.
- DA23 EXISTING SPLASH BLOCKS TO BE SALVAGED FOR REUSE.
- DA24 EXISTING FIRE EXTINGUISHER AND CABINET TO BE SALVAGED FOR REUSE.
- DA25 EXISTING ELECTRICAL CONDUIT TO REMAIN

IF SHEET IS LESS THAN (30"x42") IT IS A REDUCED PRINT. SCALE ACCORDINGLY		ISSUE DATE:04 MARCH 2024	
NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO. 28682	CEMS + DEPARTMENT OF THE NAVY MARINE CORPS AIR STATION REPAIR BUILDING 1103 (BE2054M) DEMOLITION FLOOR AND ROOF PLAN	
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY M. JOHANNES	SIZE F	
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY D. VON TERSCH	CODE IDENT. NO.	
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR D. VON TERSCH	N A V F A C DRAWING NO.	
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED	HOMC PROJ. NO.:	
	DATE	CONSTR. CONTR. NO.:	
	PUBLIC WORKS OFFICER	SCALE: As indicated	MACC. T.O. # SHEET 8 OF 19

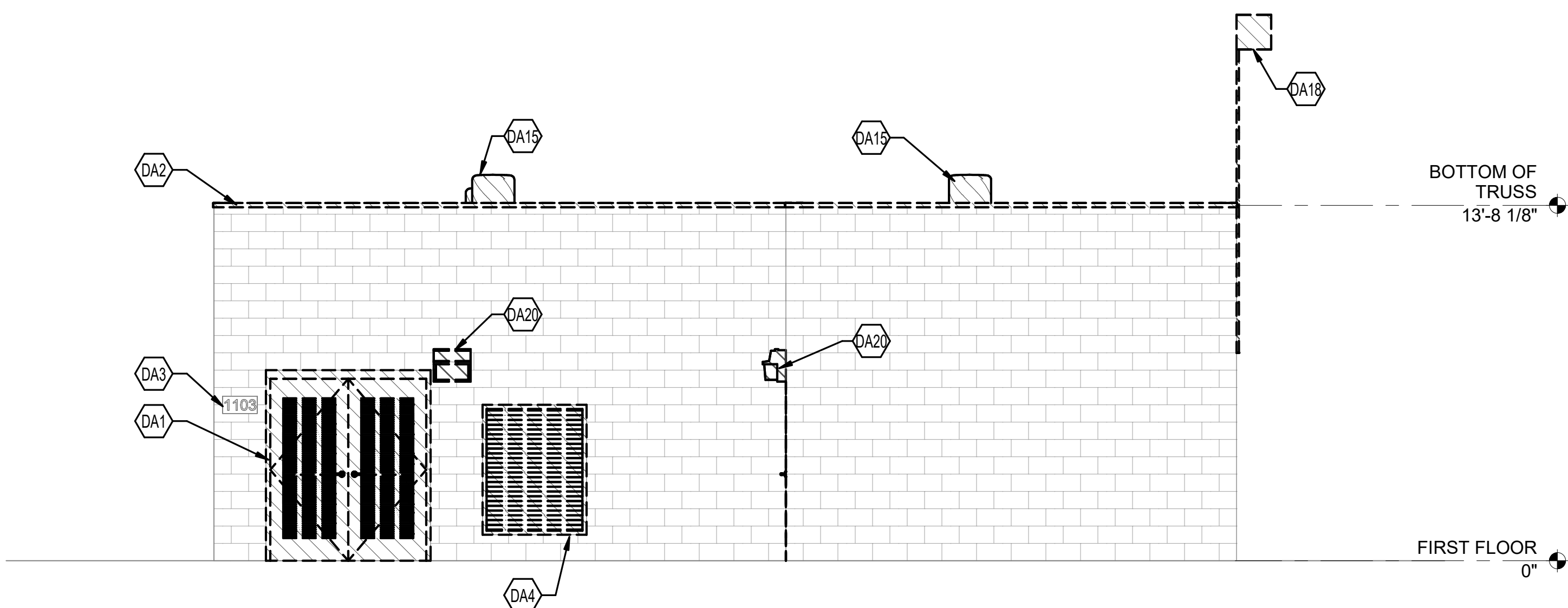




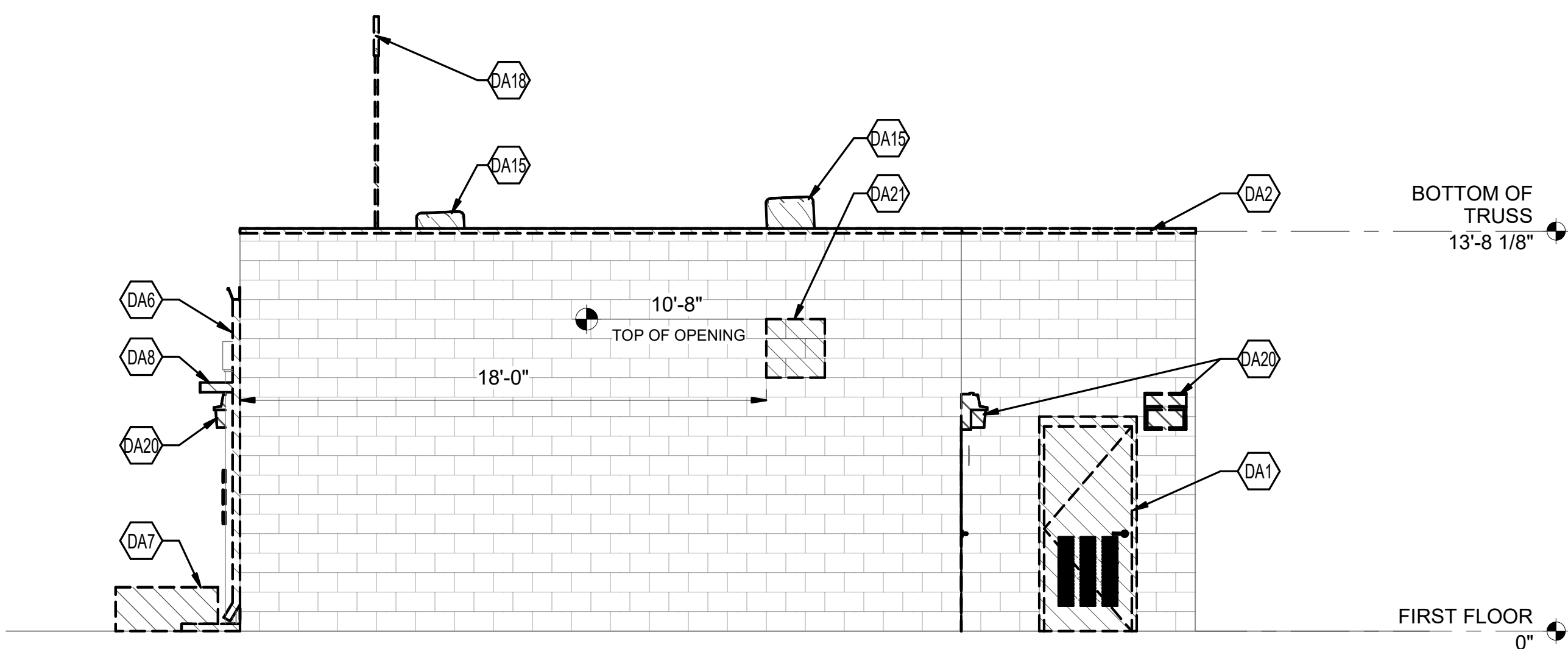
1 DEMOLITION NORTH ELEVATION
SCALE: 1/4" = 1'-0"



2 DEMOLITION EAST ELEVATION
SCALE: 1/4" = 1'-0"



3 DEMOLITION SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



4 DEMOLITION WEST ELEVATION
SCALE: 1/4" = 1'-0"

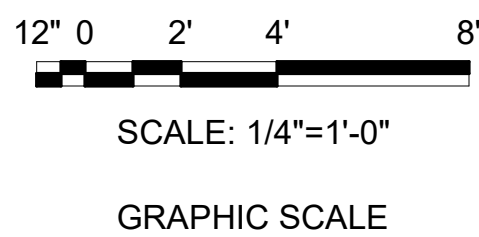
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GENERAL NOTES

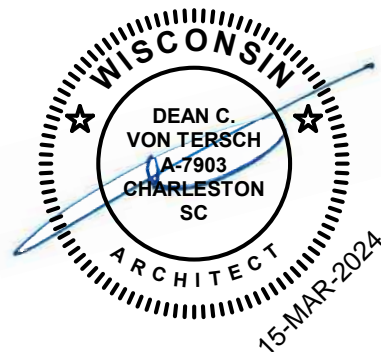
- EXISTING PHOTOS AND DRAWINGS INDICATE GENERAL SCOPE OF WORK. EXISTING CONDITIONS MAY VARY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
- CLEAN, PATCH, AND PREPARE ALL EXTERIOR WALL SURFACES FOR NEW STUCCO. REMOVE AND REINSTALL ALL EXTERIOR WALL MOUNTED ELEMENTS TO BE REUSED, INCLUDING BUT NOT LIMITED TO FIRE EXTINGUISHERS, CONDUIT, SIGNAGE, ETC.
- CLEAN AND PREPARE ALL INTERIOR WALL SURFACES FOR NEW FINISHES

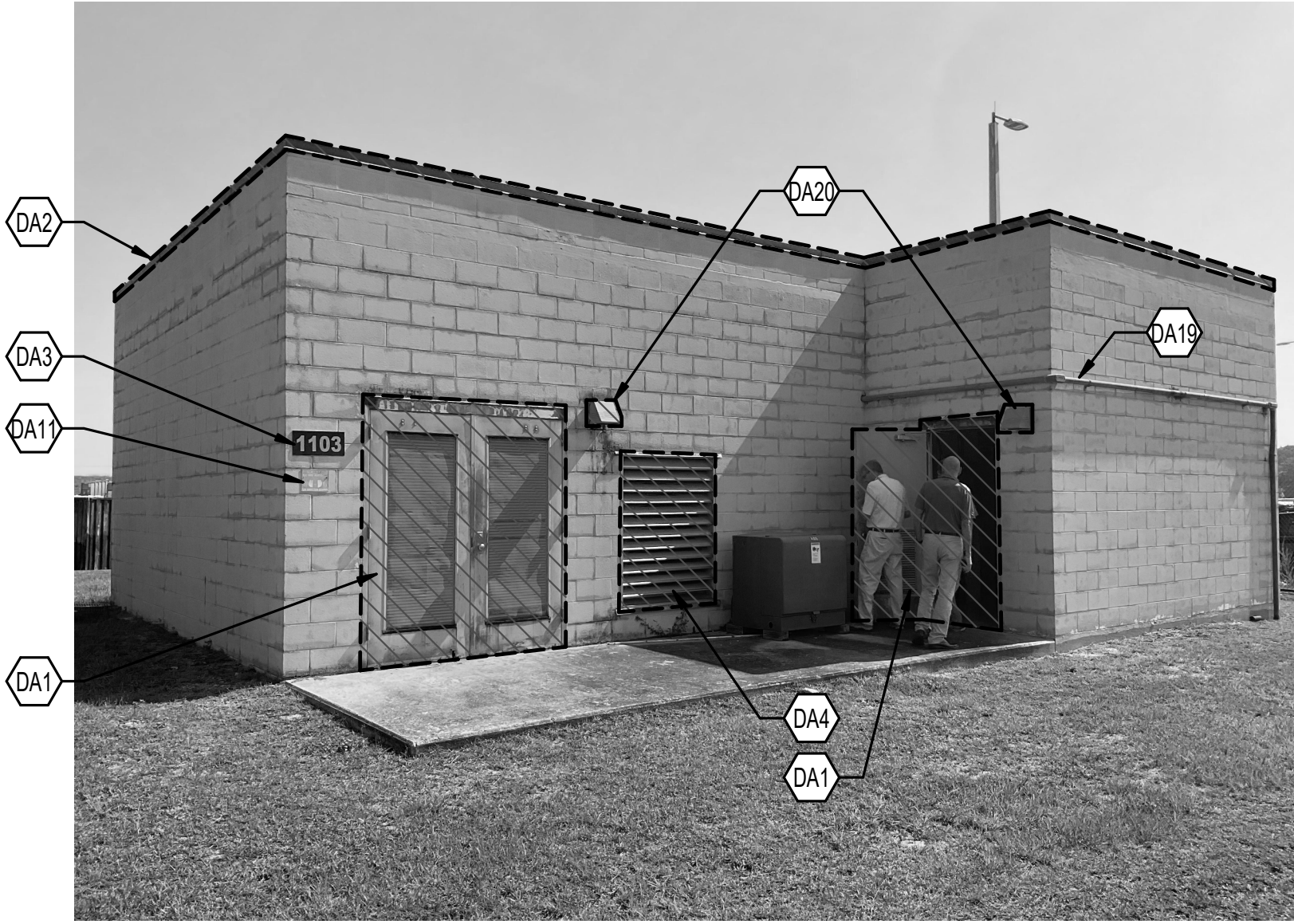
SHEET KEYNOTES

- DA1 DEMOLISH DOOR, FRAME AND HARDWARE COMPLETE. PREPARE OPENING FOR NEW DOOR AND FRAME.
- DA2 DEMOLISH METAL COPING AND WOOD BLOCKING DOWN TO EXISTING TO REMAIN CMU WALL - TYPICAL ALL LOCATIONS. PREPARE FOR NEW STRUCTURAL ROOF FRAMING. SEE STRUCTURAL.
- DA3 REMOVE AND STORE BUILDING NUMBER SIGNAGE FOR REUSE.
- DA4 DEMOLISH LOUVER AND FRAME COMPLETE. PREPARE FOR NEW CMU WALL INFILL.
- DA6 DEMOLISH METAL GUTTERS AND DOWNSPOUTS COMPLETE - TYPICAL ALL LOCATIONS.
- DA7 EXISTING CONCRETE PAD RELOCATED FROM ADJACENT TO BUILDING TO EDGE OF SITE UNDER PREVIOUS WORK. CONTRACTOR TO DEMOLISH CONCRETE PAD AND REMOVE FROM SITE.
- DA8 DEMOLISH GENERATOR EXHAUST WALL PENETRATION AND PROVIDE GROUT INFILL FULL THICKNESS OF WALL.
- DA15 EXISTING ROOF TOP EXHAUST FAN AND ASSOCIATED EQUIPMENT TO BE REMOVED. CURB TO REMAIN. PREP CURB TO RECEIVE NEW SHEET METAL CURB CAP. SEE MECHANICAL.
- DA16 DEMOLISH LOUVER AND FRAME COMPLETE. PREPARE OPENING FOR NEW LOUVER.
- DA18 EXISTING ANTENNA AND MOUNTING BRACKETS, INCLUDING ABANDONED ANTENNA BRACKETS, TO BE REMOVED. ANTENNA TO BE PRESERVED FOR UNINTERRUPTED USE DURING CONSTRUCTION. SEE ELECTRICAL FOR ADDITIONAL REQUIREMENTS.
- DA20 DEMOLISH WALL MOUNTED LIGHT FIXTURE. SEE ELECTRICAL.
- DA21 DEMOLISH PORTION OF EXISTING CMU WALL FOR NEW MECHANICAL PENETRATION. SEE MECHANICAL.
- DA24 EXISTING FIRE EXTINGUISHER AND CABINET TO BE SALVAGED FOR REUSE.
- DA25 EXISTING ELECTRICAL CONDUIT TO REMAIN



IF SHEET IS LESS THAN (30"x42") IT IS A REDUCED PRINT. SCALE ACCORDINGLY		ISSUE DATE: 04 MARCH 2024	
NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO. 28683	CEMS + AD201	
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY M. JOHANNES	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND BEAUFORT, S.C. MARINE CORPS AIR STATION	
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY D. VON TERSCH	REPAIR BUILDING 1103 (BE2054M)	
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR D. VON TERSCH	DEMOLITION EXTERIOR ELEVATIONS	
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED DATE	SIZE F	CODE IDENT. NO. NAVFAC DRAWING NO.
PUBLIC WORKS OFFICER		HQMC PROJ. NO. CONSTR. CONTR. NO.:	
		SCALE: As indicated	MACC. T.O. # SHEET 9 OF 19





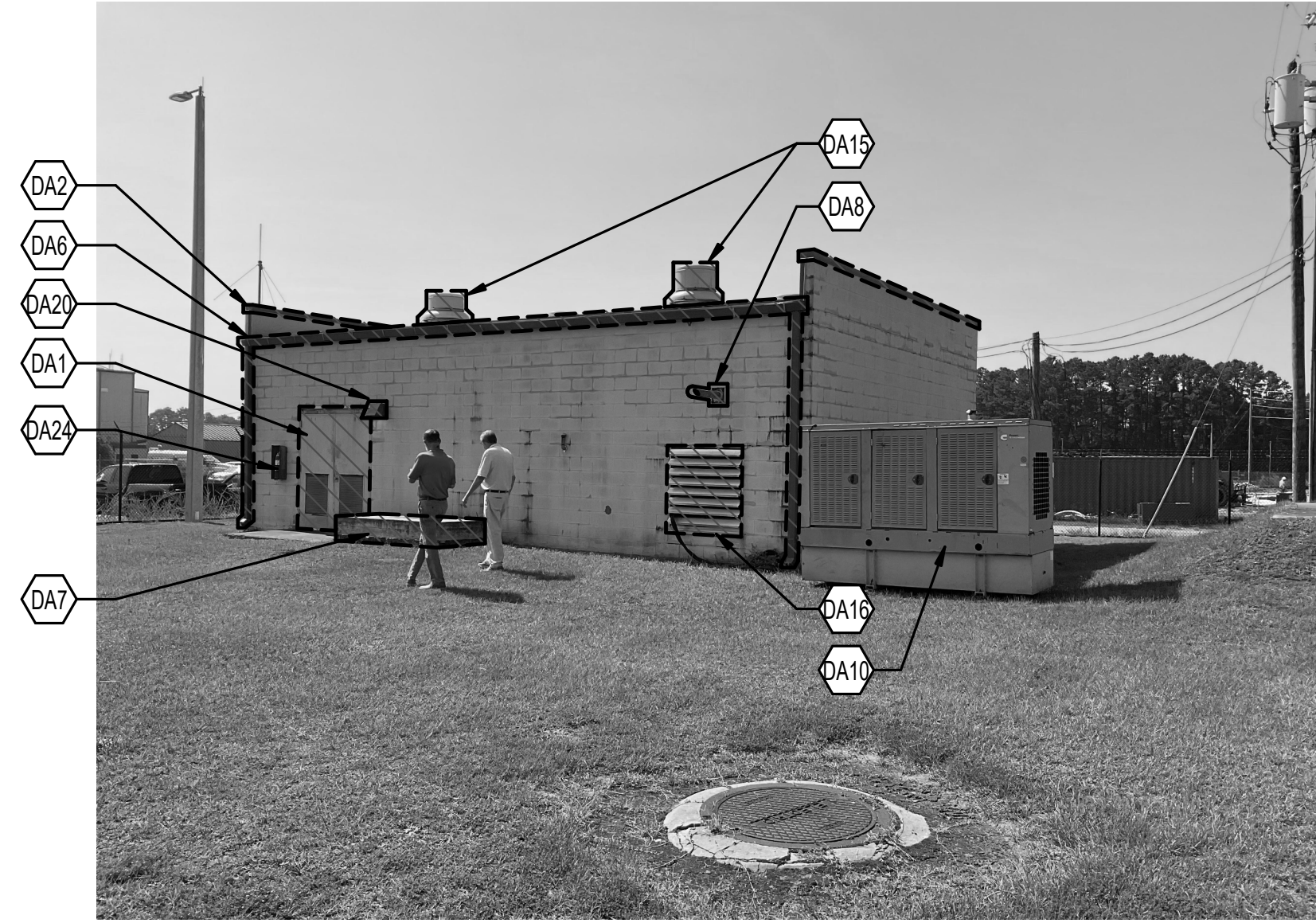
1
AD101

1 DEMOLITION PHOTO 1
SCALE: NOT TO SCALE



1
AD101

2 DEMOLITION PHOTO 2
SCALE: NOT TO SCALE



1
AD101

3 DEMOLITION PHOTO 3
SCALE: NOT TO SCALE



1
AD101

4 DEMOLITION PHOTO 4
SCALE: NOT TO SCALE



1
AD101

5 DEMOLITION PHOTO 5
SCALE: NOT TO SCALE



1
AD101

6 DEMOLITION PHOTO 6
SCALE: NOT TO SCALE
UPDATED PHOTO TAKEN 02-14-24



1
AD101

7 DEMOLITION PHOTO 7
SCALE: 12" = 1'-0"
UPDATED PHOTO TAKEN 02-14-24

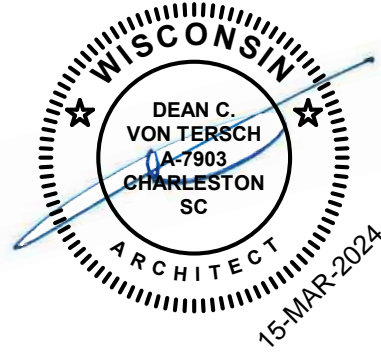


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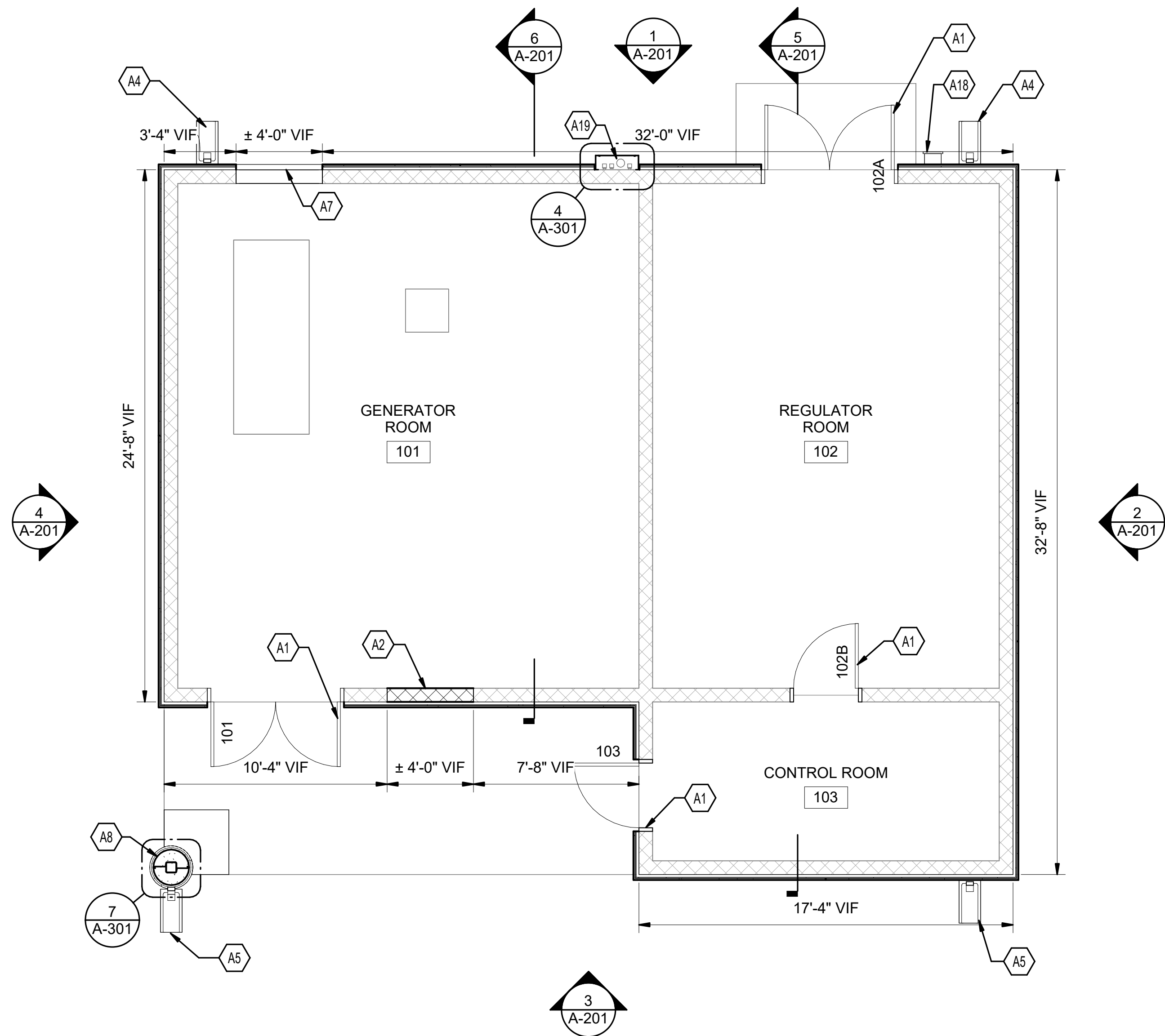
8 DEMOLITION PHOTO 8
SCALE: 12" = 1'-0"
UPDATED PHOTO TAKEN 02-14-24

REVISIONS			
SYM.	DESCRIPTION	DATE	APP.
GENERAL NOTES			
1. EXISTING PHOTOS AND DRAWINGS INDICATE GENERAL SCOPE OF WORK. EXISTING CONDITIONS MAY VARY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.			
2. CLEAN, PATCH, AND PREPARE ALL EXTERIOR WALL SURFACES FOR NEW STUCCO. REMOVE AND REINSTALL ALL EXTERIOR WALL MOUNTED ELEMENTS TO BE REUSED, INCLUDING BUT NOT LIMITED TO FIRE EXTINGUISHERS, CONDUIT, SIGNAGE, ETC.			
3. CLEAN AND PREPARE ALL INTERIOR WALL SURFACES FOR NEW FINISHES			
SHEET KEYNOTES			
DA1	DEMOLISH DOOR, FRAME AND HARDWARE COMPLETE. PREPARE OPENING FOR NEW DOOR AND FRAME.		
DA2	DEMOLISH METAL COPING AND WOOD BLOCKING DOWN TO EXISTING TO REMAIN CMU WALL - TYPICAL ALL LOCATIONS. PREPARE FOR NEW STRUCTURAL ROOF FRAMING. SEE STRUCTURAL.		
DA3	REMOVE AND STORE BUILDING NUMBER SIGNAGE FOR REUSE.		
DA4	DEMOLISH LOUVER AND FRAME COMPLETE. PREPARE FOR NEW CMU WALL INFILL.		
DA6	DEMOLISH METAL GUTTERS AND DOWNSPOUTS COMPLETE - TYPICAL ALL LOCATIONS.		
DA7	EXISTING CONCRETE PAD RELOCATED FROM ADJACENT TO BUILDING TO EDGE OF SITE UNDER PREVIOUS WORK. CONTRACTOR TO DEMOLISH CONCRETE PAD AND REMOVE FROM SITE.		
DA8	DEMOLISH GENERATOR EXHUAUST WALL PENETRATION AND PROVIDE GROUT INFILL FULL THICKNESS OF WALL.		
DA9	DEMOLISH ELECTRICAL EQUIPMENT COMPLETE. SEE ELECTRICAL.		
DA10	EXTERIOR GENERATOR NIC.		
DA11	DEMOLISH ALL NON BUILDING IDENTIFICATION SIGNAGE.		
DA15	EXISTING ROOF TOP EXHAUST FAN AND ASSOCIATED EQUIPMENT TO BE REMOVED. CURB TO REMAIN. PREP CURB TO RECEIVE NEW SHEET METAL CURB CAP. SEE MECHANICAL.		
DA16	DEMOLISH LOUVER AND FRAME COMPLETE. PREPARE OPENING FOR NEW LOUVER.		
DA18	EXISTING ANTENNA AND MOUNTING BRACKETS, INCLUDING ABANDONED ANTENNA BRACKETS, TO BE REMOVED. ANTENNA TO BE PRESERVED FOR UNINTERRUPTED USE DURING CONSTRUCTION. SEE ELECTRICAL FOR ADDITIONAL REQUIREMENTS.		
DA19	DEMOLISH CONDUIT AND CONDUCTORS FROM SOURCE TO USE. SEE ELECTRICAL FOR ADDITIONAL INFORMATION.		
DA20	DEMOLISH WALL MOUNTED LIGHT FIXTURE. SEE ELECTRICAL.		
DA22	INTERIOR CMU WALLS THROUGHOUT THE BUILDING HAVE SEVERE PAINT PEELING. CONTRACTOR TO MECHANICALLY REMOVE PEELING PAINT AND PREP CMU FOR REPAINTING. CONTRACTOR TO REPAINT ALL INTERIOR CMU WALLS.		
DA24	EXISTING FIRE EXTINGUISHER AND CABINET TO BE SALVAGED FOR REUSE.		
DA25	EXISTING ELECTRICAL CONDUIT TO REMAIN		

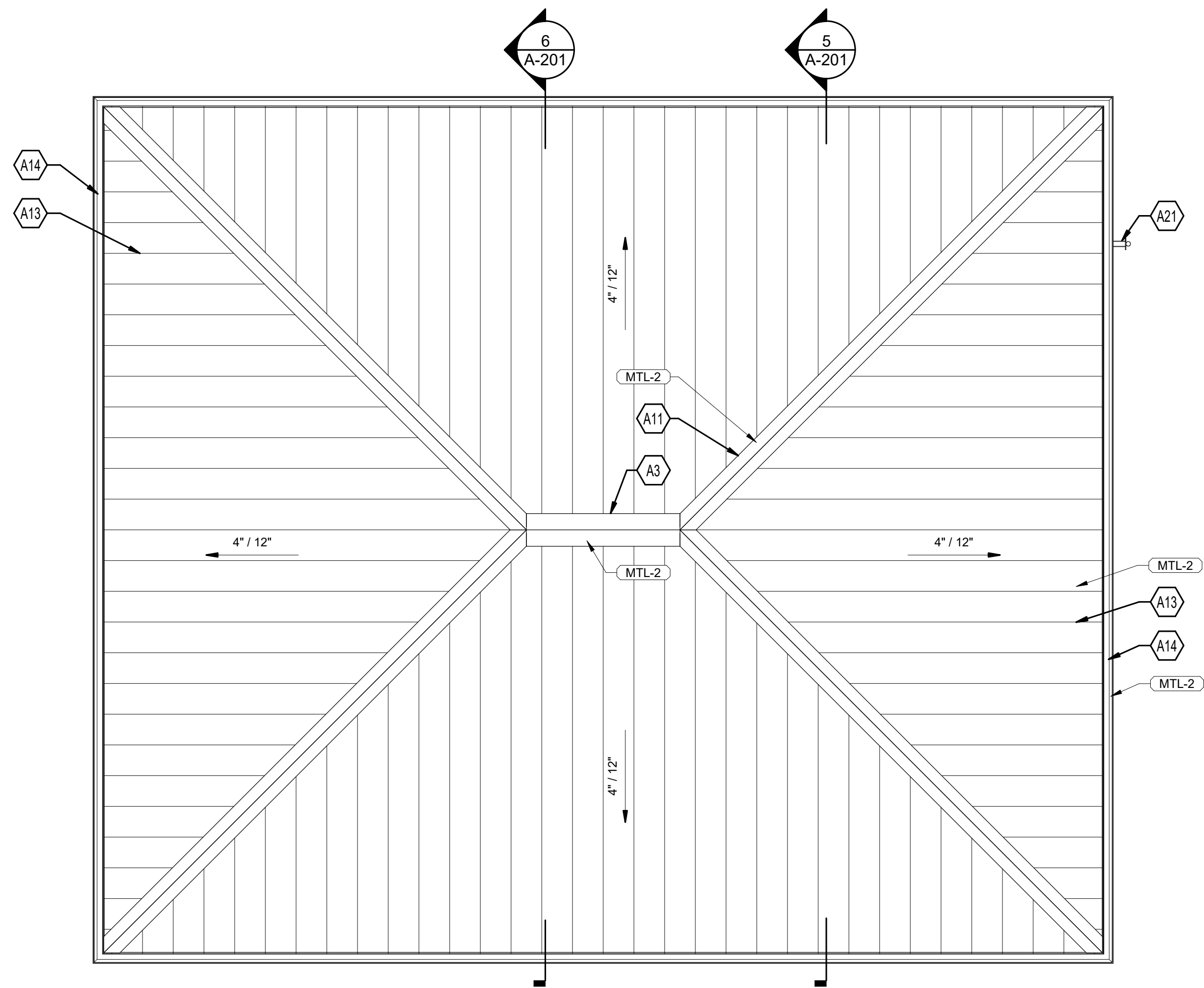
IF SHEET IS LESS THAN (30"x42") IT IS A REDUCED PRINT. SCALE ACCORDINGLY		ISSUE DATE: 04 MARCH 2024	
NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO. 28684	CEMS + AD901	
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY M. JOHANNES	DEPARTMENT OF THE NAVY MARINE CORPS AIR STATION REPAIR BUILDING 1103 (BE2054M)	
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY D. VON TERSCH	REPAIR BUILDING 1103 (BE2054M)	
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR D. VON TERSCH	DEMOLITION PHOTOS	
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED DATE	SIZE F	CODE IDENT. NO. N A V F A C DRAWING NO.
PUBLIC WORKS OFFICER		HQMC PROJ. NO.:	CONSTR. CONTR. NO.:
		SCALE: As indicated	MACC. T.O. # SHEET 10 OF 19



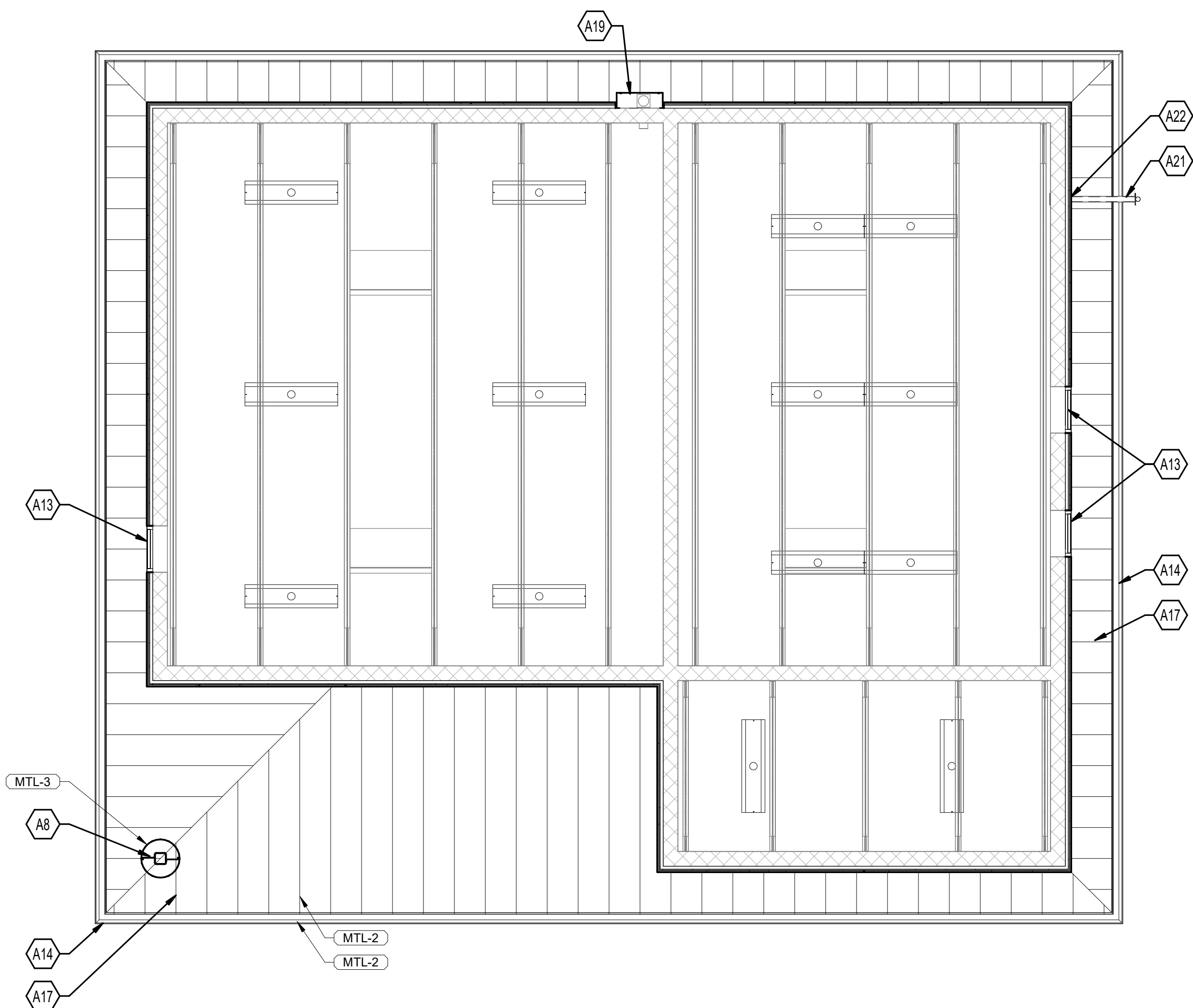
REVISIONS			
SYM.	DESCRIPTION	DATE	APP.
SHEET KEYNOTES			
A1	NEW DOOR AND FRAME IN EXISTING MASONRY OPENING.		
A2	NEW CMU INFILL. SEE STRUCTURAL.		
A3	CONTINUOUS RIDGE VENT.		
A4	EXISTING SPLASH BLOCK RELOCATED TO NEW DOWNSPOUT LOCATION.		
A5	NEW CONCRETE SPLASH BLOCK. NEW TO MATCH EXISTING.		
A7	NEW WALL LOUVER IN EXISTING CMU OPENING AND NEW STUCCO OPENING.		
A8	PREFINISHED ALUMINUM COLUMN WRAP.		
A11	RIDGE CAP - TYPICAL.		
A13	PREFINISHED ALUMINUM STRUCTURAL STANDING SEAM METAL ROOF.		
A14	PREFINISHED ALUMINUM GUTTER.		
A17	PREFINISHED METAL PANEL SOFFIT.		
A18	REMOUNT SALVAGED FIRE EXTINGUISHER AND CABINET OVER NEW STUCCO FINISH AT ORIGINAL LOCATION. PROVIDE METAL BLOCKING FOR CABINET SUPPORT.		
A19	SHEET METAL COVER FOR EXISTING CONDUIT.		
A21	ANTENNA, MOUNTING BRACKETS, AND FINAL INSTALLATION AND HOOKUP BY CONTRACTOR. MOUNTING OF ANTENNA TO ADDITIONAL AREAS OF THE BUILDING OTHER THAN THE WALL IS NOT PERMITTED. SEE ELECTRICAL FOR ADDITIONAL INFORMATION.		
A22	PROVIDE 1/4" JOINT AT EACH NEW HSS PENETRATION THROUGH STUCCO FOR ANTENNA SUPPORT. SEE STRUCTURAL FOR ANTENNA SUPPORT DETAIL.		



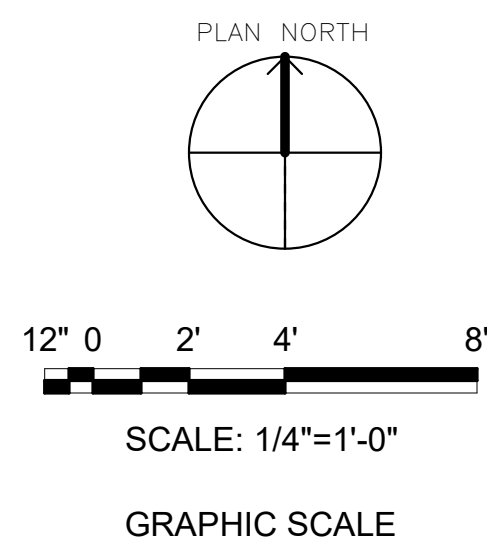
1 FLOOR PLAN
SCALE: 1/4" = 1'-0"



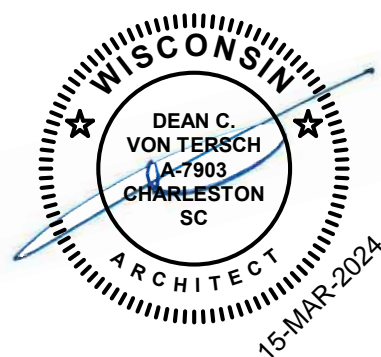
3 ROOF PLAN
SCALE: 1/4" = 1'-0"



2 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



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NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO. 28685	CEMS + A-101	
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY M. JOHANNES	DEPARTMENT OF THE NAVY MARINE CORPS AIR STATION BEAUFORT, S.C.	
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY D. VON TERSCH	REPAIR BUILDING 1103 (BE2054M)	
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR D. VON TERSCH	FLOOR PLAN, REFLECTED CEILING AND ROOF PLAN	
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED DATE	SIZE F	CODE IDENT. NO. NAVFAC DRAWING NO.
PUBLIC WORKS OFFICER		HOMC PROJ. NO. CONSTR. CONTR. NO.:	SCALE: 1/4" = 1'-0" MACC. T.O. # SHEET 11 OF 19



REVISIONS

SYM.	DESCRIPTION	DATE	APP.

SHEET KEYNOTES

A2

NEW CMU INFILL. SEE STRUCTURAL.

A3

CONTINUOUS RIDGE VENT.

A6

NEW THROUGH WALL EXHAUST FAN AND LOUVER. SEE MECHANICAL.

A7

NEW WALL LOUVER IN EXISTING CMU OPENING AND NEW STUCCO OPENING.

A8

PREFINISHED ALUMINUM COLUMN WRAP.

A9

REINSTALL EXISTING BUILDING SIGNAGE.

A10

LIGHTING FIXTURE. SEE ELECTRICAL.

A11

RIDGE CAP - TYPICAL.

A12

INFILL DEMOLISHED OPENING IN ORIGINAL CMU WALL FOR GENERATOR EXHAUST WITH GROUT FULL THICKNESS OF WALL.

A13

PREFINISHED ALUMINUM STRUCTURAL STANDING SEAM METAL ROOF.

A14

PREFINISHED ALUMINUM GUTTER.

A15

PREFINISHED ALUMINUM DOWNSPOUT.

A16

PREFINISHED CONCEALED FASTENER FASCIA PANEL.

A17

PREFINISHED METAL PANEL SOFFIT.

A19

SHEET METAL COVER FOR EXISTING CONDUIT.

A20

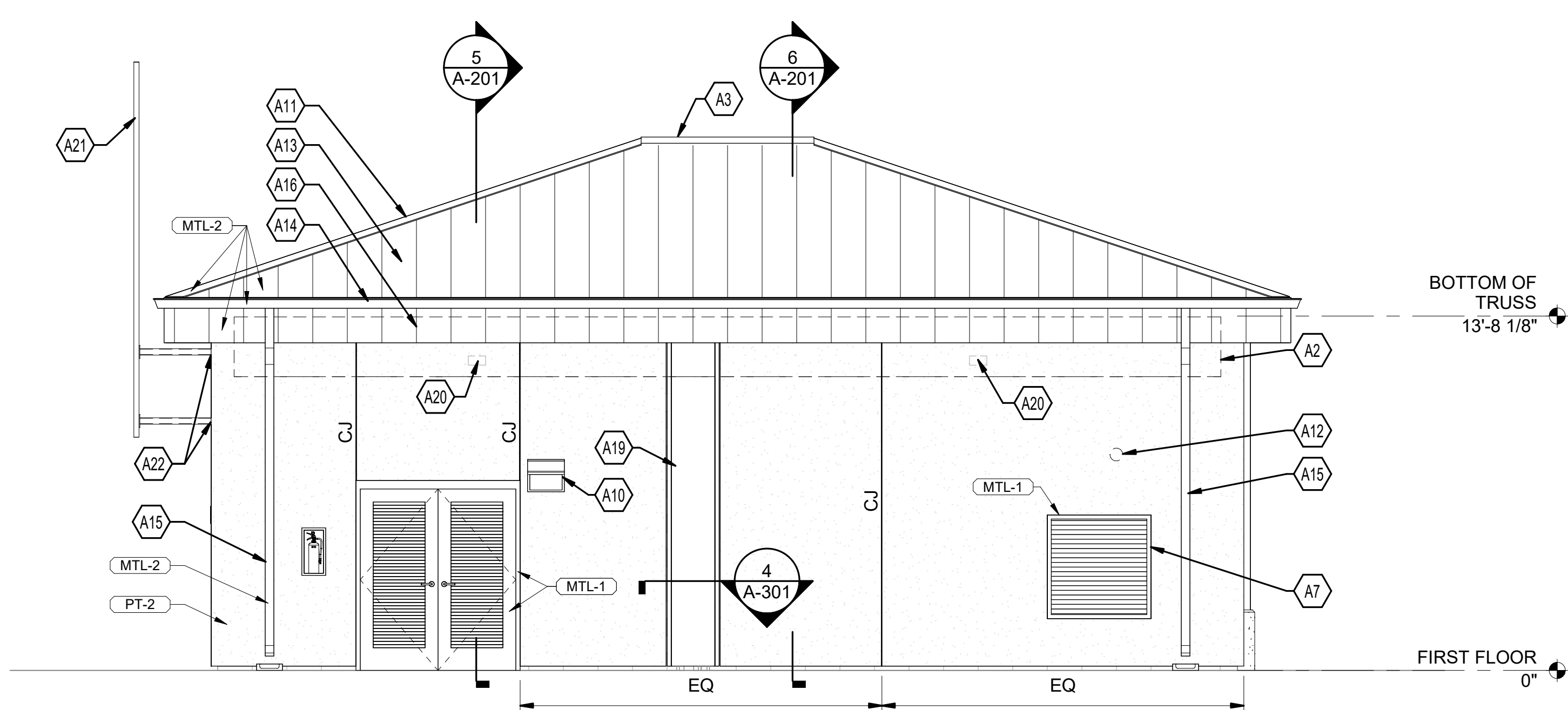
NEW 4" HIGH X 8" WIDE THROUGH WALL SCUPPER - TYPICAL 2 EQUALLY SPACED ALONG NEW CMU WALL EXTENSION. SEE THROUGH WALL SCUPPER DETAIL.

A21

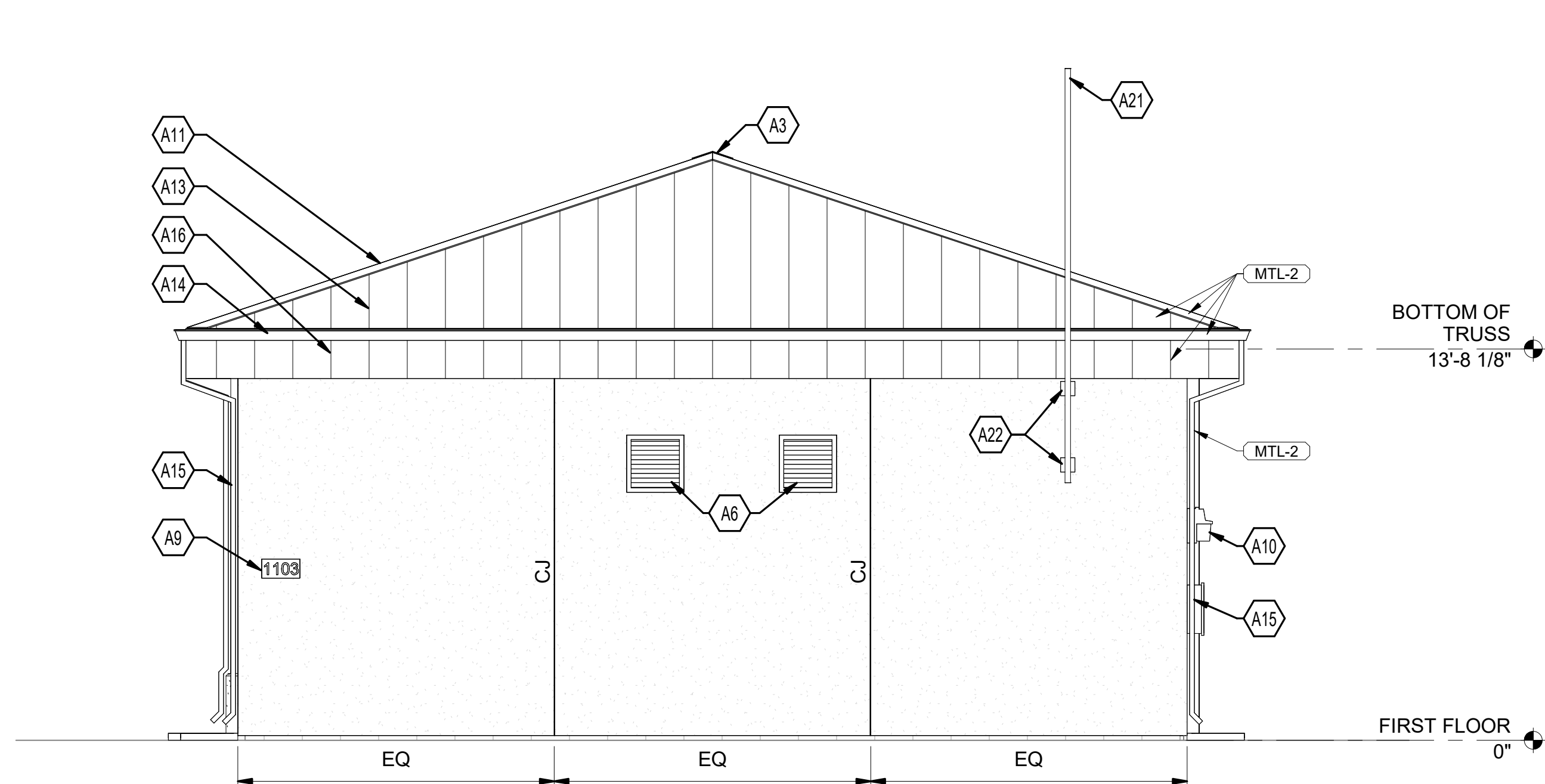
ANTENNA, MOUNTING BRACKETS, AND FINAL INSTALLATION AND HOOKUP BY CONTRACTOR. MOUNTING OF ANTENNA TO ADDITIONAL AREAS OF THE BUILDING OTHER THAN THE WALL IS NOT PERMITTED. SEE ELECTRICAL FOR ADDITIONAL INFORMATION.

A22

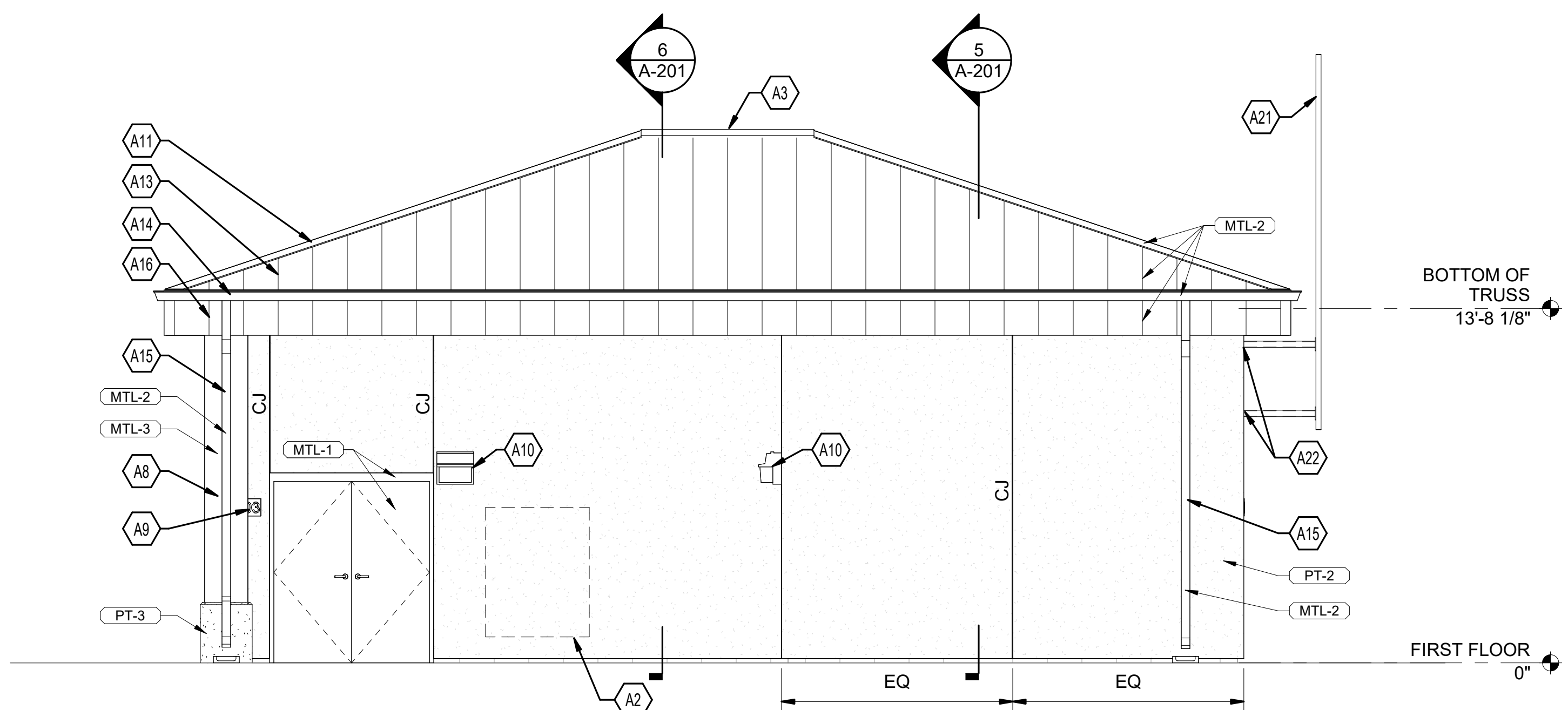
PROVIDE 1/4" JOINT AT EACH NEW HSS PENETRATION THROUGH STUCCO FOR ANTENNA SUPPORT. SEE STRUCTURAL FOR ANTENNA SUPPORT DETAIL.



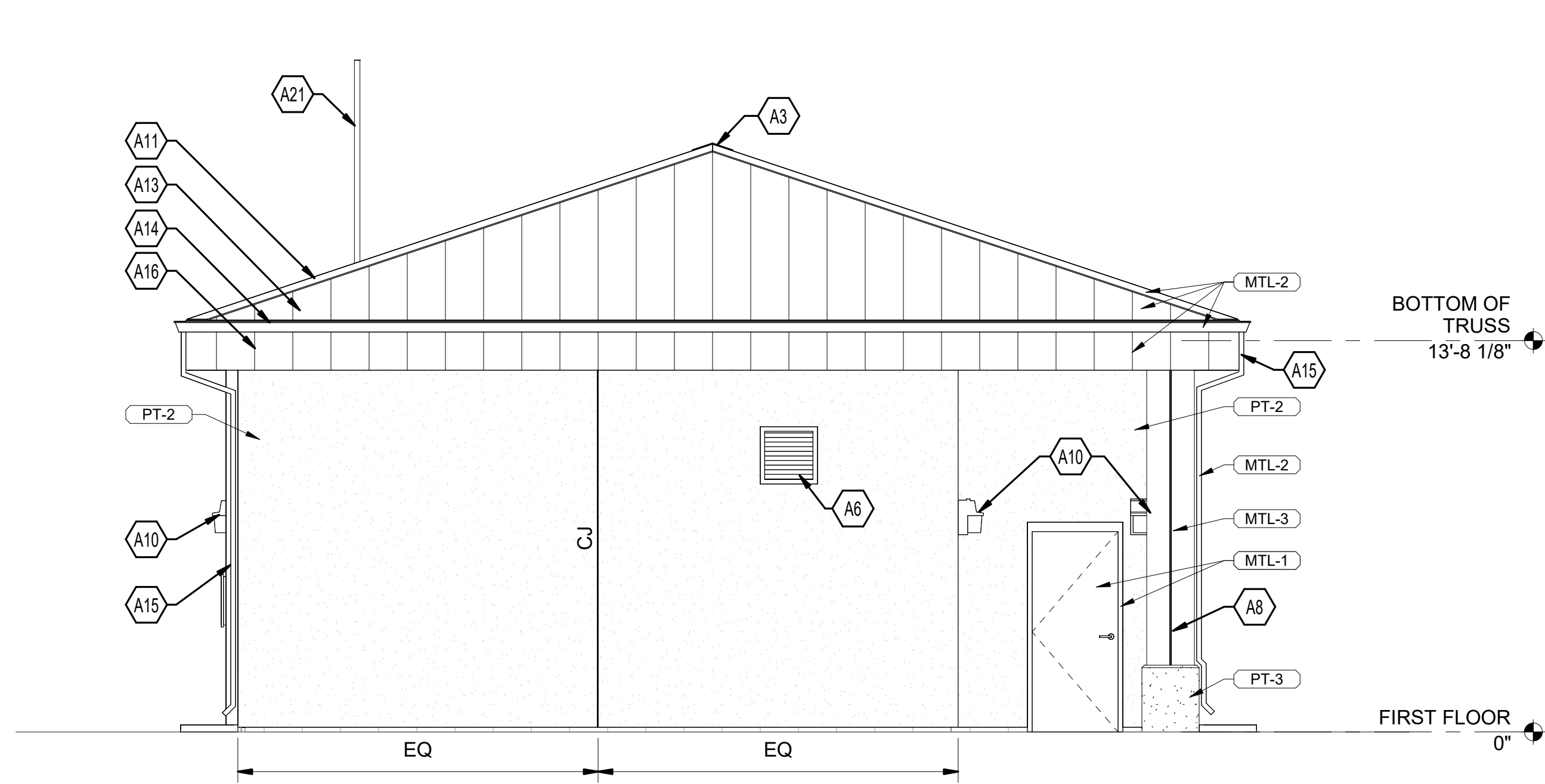
1 NORTH ELEVATION
SCALE: 1/4" = 1'-0"



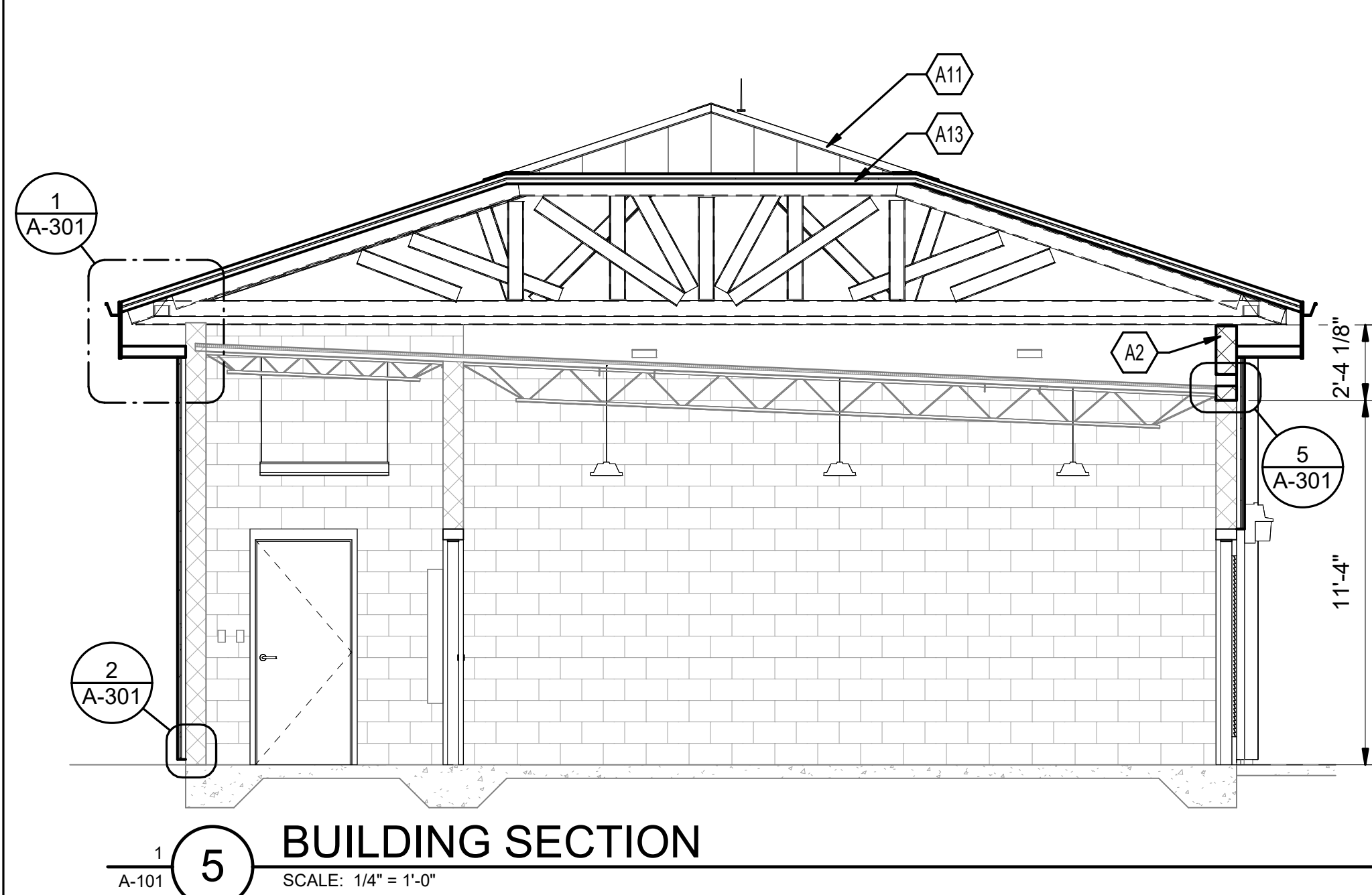
2 EAST ELEVATION
SCALE: 1/4" = 1'-0"



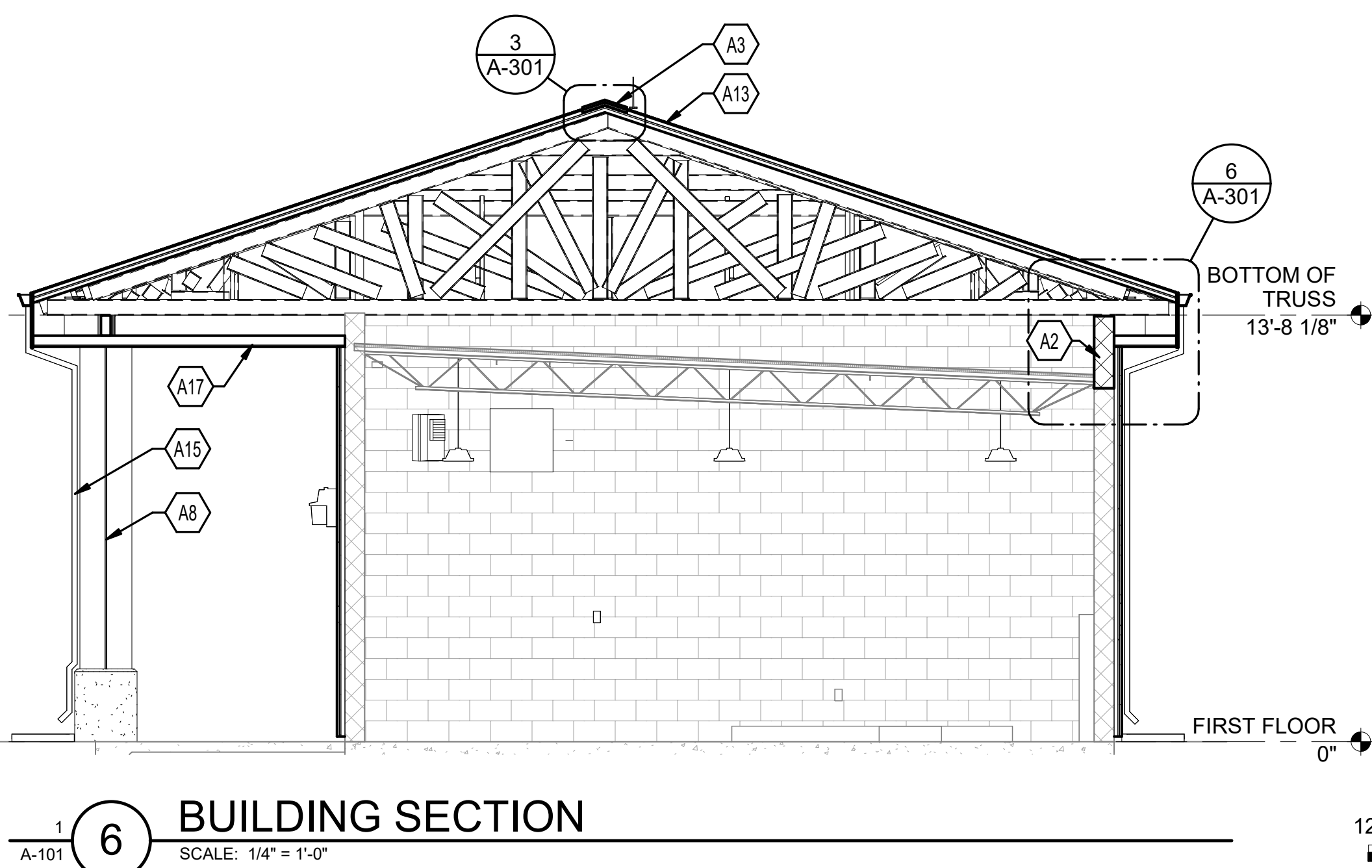
3 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



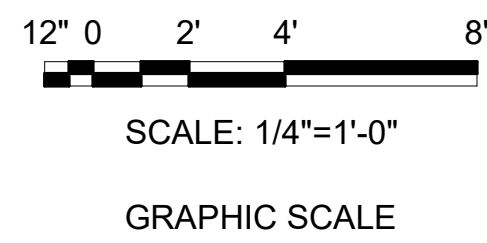
4 WEST ELEVATION
SCALE: 1/4" = 1'-0"



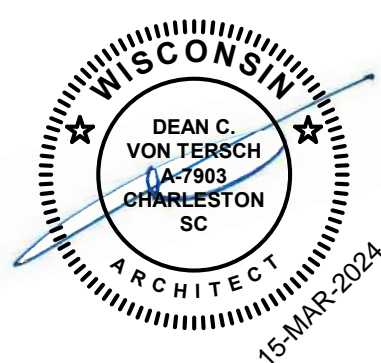
5 BUILDING SECTION
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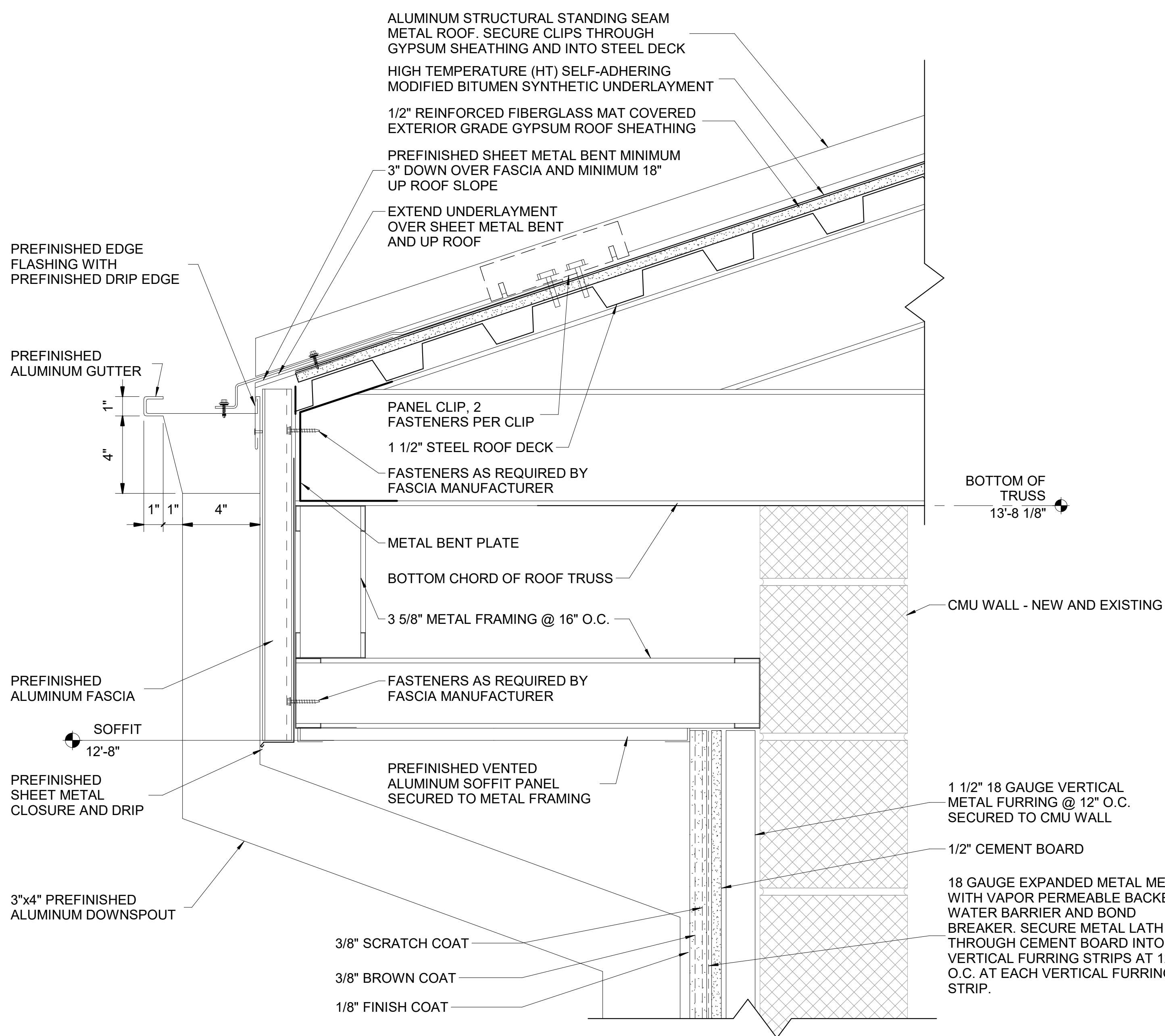
6 BUILDING SECTION
SCALE: 1/4" = 1'-0"



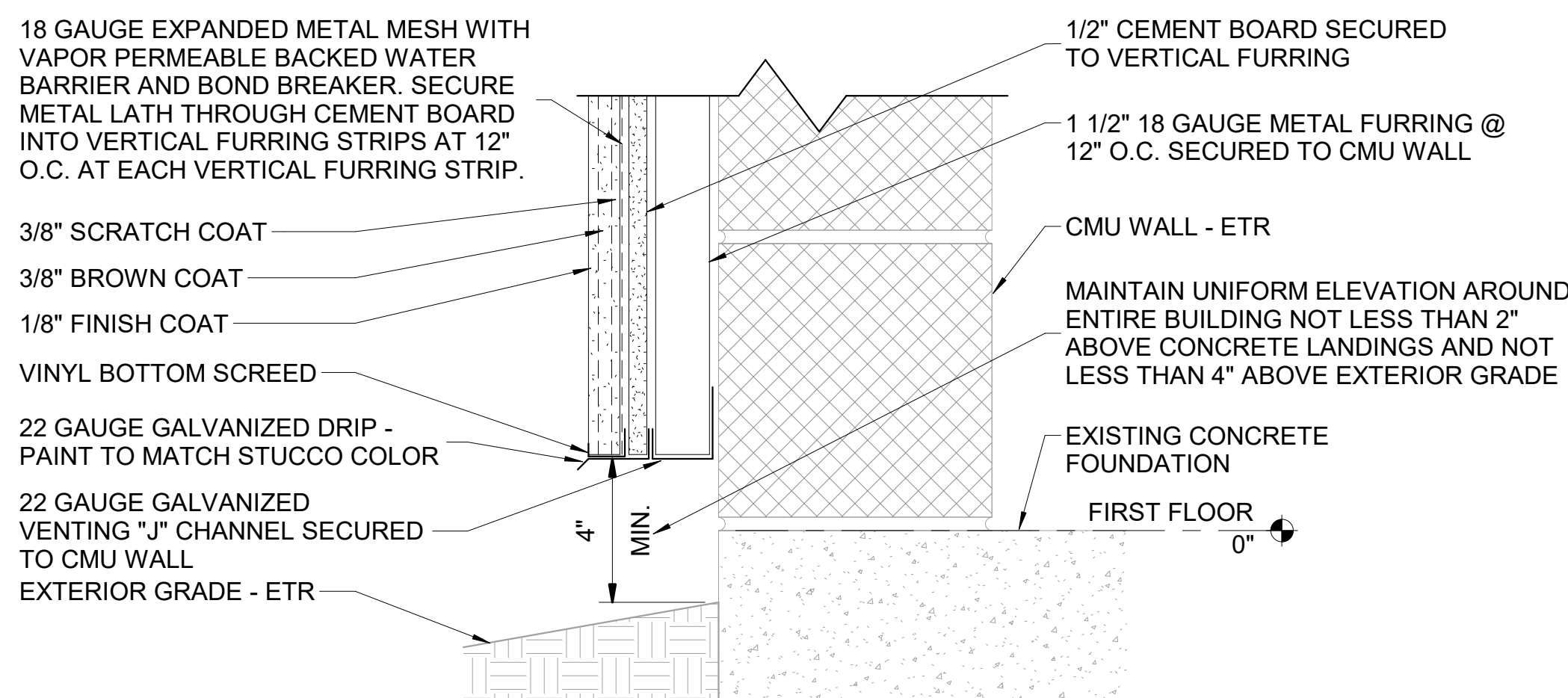
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NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO. 28686	<div>CEMS</div> <div>A-201</div>	
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY M. JOHANNES	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND REPAIR BUILDING 1103 (BE2054M)	
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY D. VON TERSCH	EXTERIOR ELEVATIONS AND BUILDING SECTIONS	
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR D. VON TERSCH	SIZE F	
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED DATE	CODE IDENT. NO.	NAV F A C DRAWING NO.
PUBLIC WORKS OFFICER		HQMC PROJ. NO.	CONSTR. CONTR. NO.
		SCALE: 1/4" = 1'-0"	MACC. T.O. # SHEET 12 OF 19



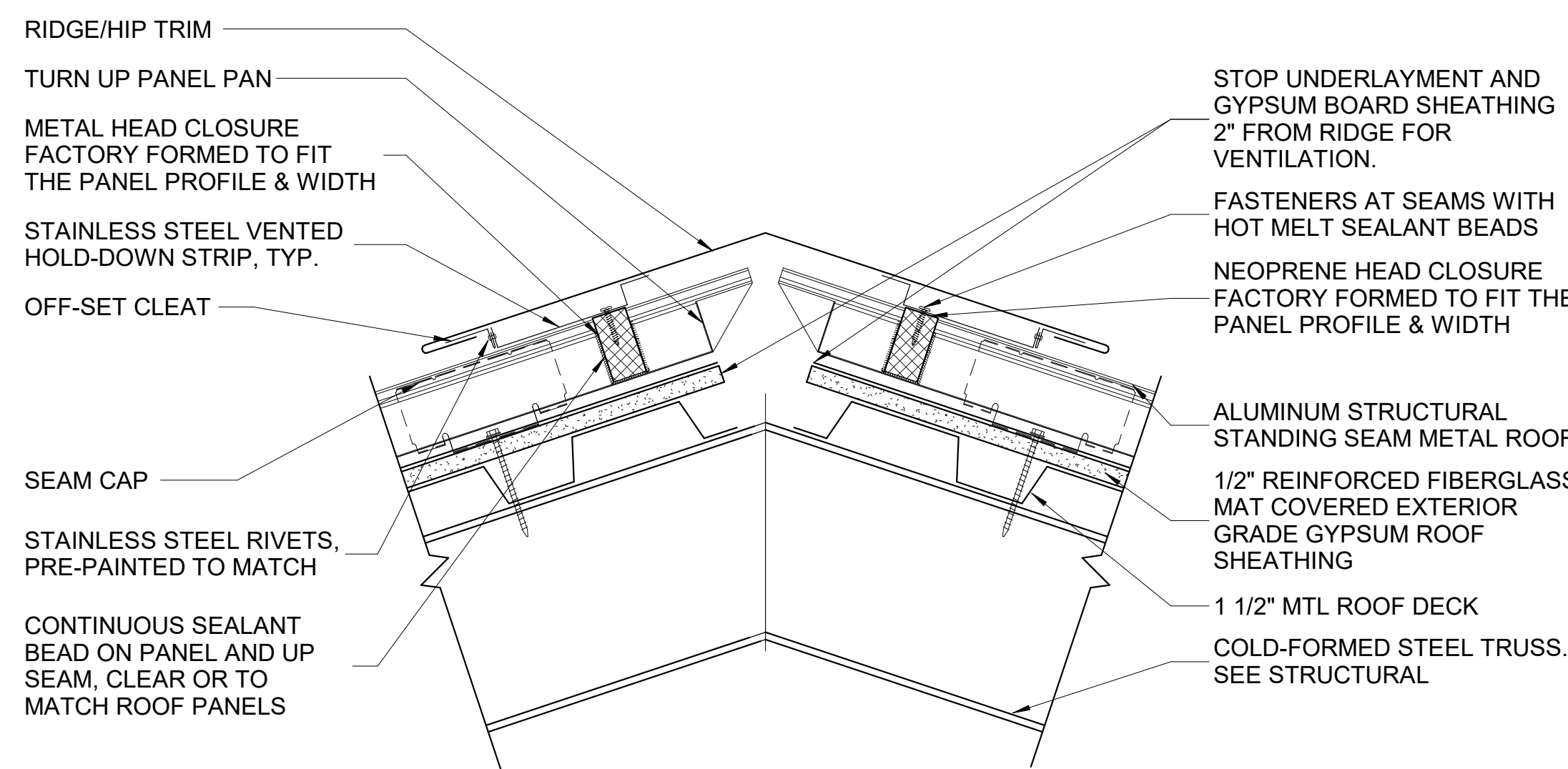
REVISIONS			
SYM.	DESCRIPTION	DATE	APP.



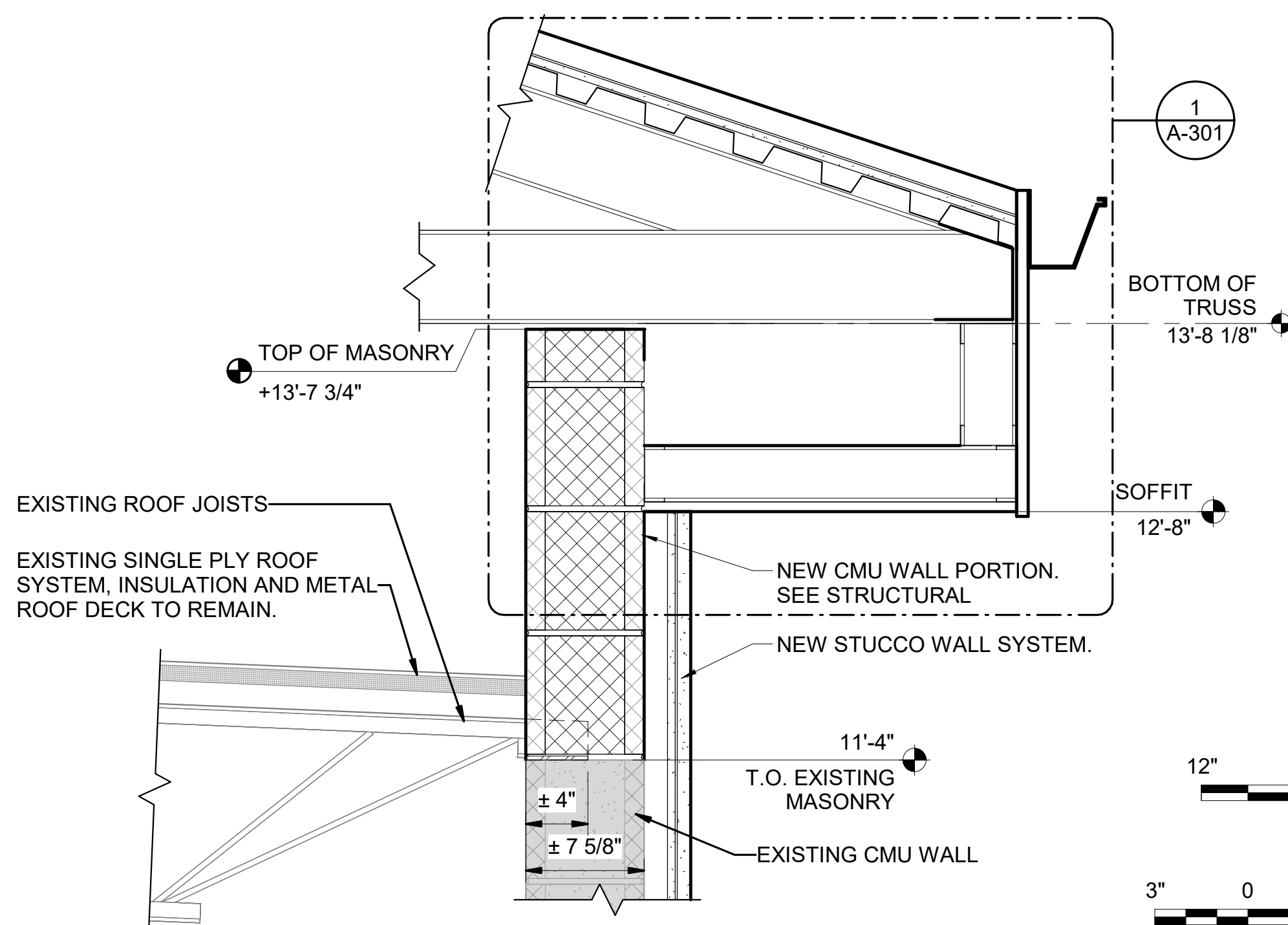
5 1 TOP OF WALL AND EAVE DETAIL - TYPICAL
A-201 SCALE: 3" = 1'-0"



5 2 BASE OF WALL DETAIL - TYPICAL
A-201 SCALE: 3" = 1'-0"



6 3 RIDGE DETAIL
A-201 SCALE: 3" = 1'-0"



6 6 EAVE DETAIL - NORTH SIDE
A-201 SCALE: 1 1/2" = 1'-0"

CMU WALL - NEW AND EXISTING

CONDUIT - EXISTING TO REMAIN

18 GAUGE HOT-DIPPED GALVANIZED SHEET METAL ACCESS BOX. BOX TO BE 2'-0" WIDE CENTERED ON CONDUIT GROUP AND EXTENDED FROM BOTTOM OF STUCCO TO 4" ABOVE SOFFIT OVERHANG. SECURE BOX TO CMU WALL. COVER TO BE FIELD PAINTED STUCCO COLOR.

18 GAUGE HOT-DIPPED GALVANIZED SHEET METAL ACCESS COVER. COVER TO BE 1'-8" WIDE CENTERED ON CONDUIT GROUP AND EXTENDED FROM BOTTOM OF STUCCO TO 4" ABOVE HIGHEST CONDUIT. PROVIDE REMOVABLE GALVANIZED SHEET METAL SCREWS TO SECURE ACCESS COVER TO ACCESS BOX. COVER AND SCREWS TO BE FIELD PAINTED STUCCO COLOR.

1 4 SHEET METAL COVER DETAIL
A-101 SCALE: 3" = 1'-0"

NEW FLASHING COMPATIBLE WITH EXISTING SINGLE PLY ROOFING MEMBRANE AND NEW SHEET METAL THROUGH WALL FLASHING. CONTRACTOR TO FIELD VERIFY TYPE OF EXISTING SINGLE PLY ROOF

EXISTING SINGLE PLY MEMBRANE ROOF TO REMAIN

EXISTING ROOF INSULATION TO REMAIN

EXISTING STEEL ROOF DECK TO REMAIN

EXISTING ROOF STRUCTURE TO REMAIN

GROUTED CMU CELLS

NEW CMU WALL

4" HIGH X 8" WIDE PREMANUFACTURED GALVANIZED SHEET METAL THROUGH WALL SCUPPER

EXISTING STEEL DECK AND ROOFING MATERIALS REMOVED TO FACILITATE CONSTRUCTION OF CMU WALL EXTENSION

EXISTING JOIST BEYOND

GROUTED CMU CELLS

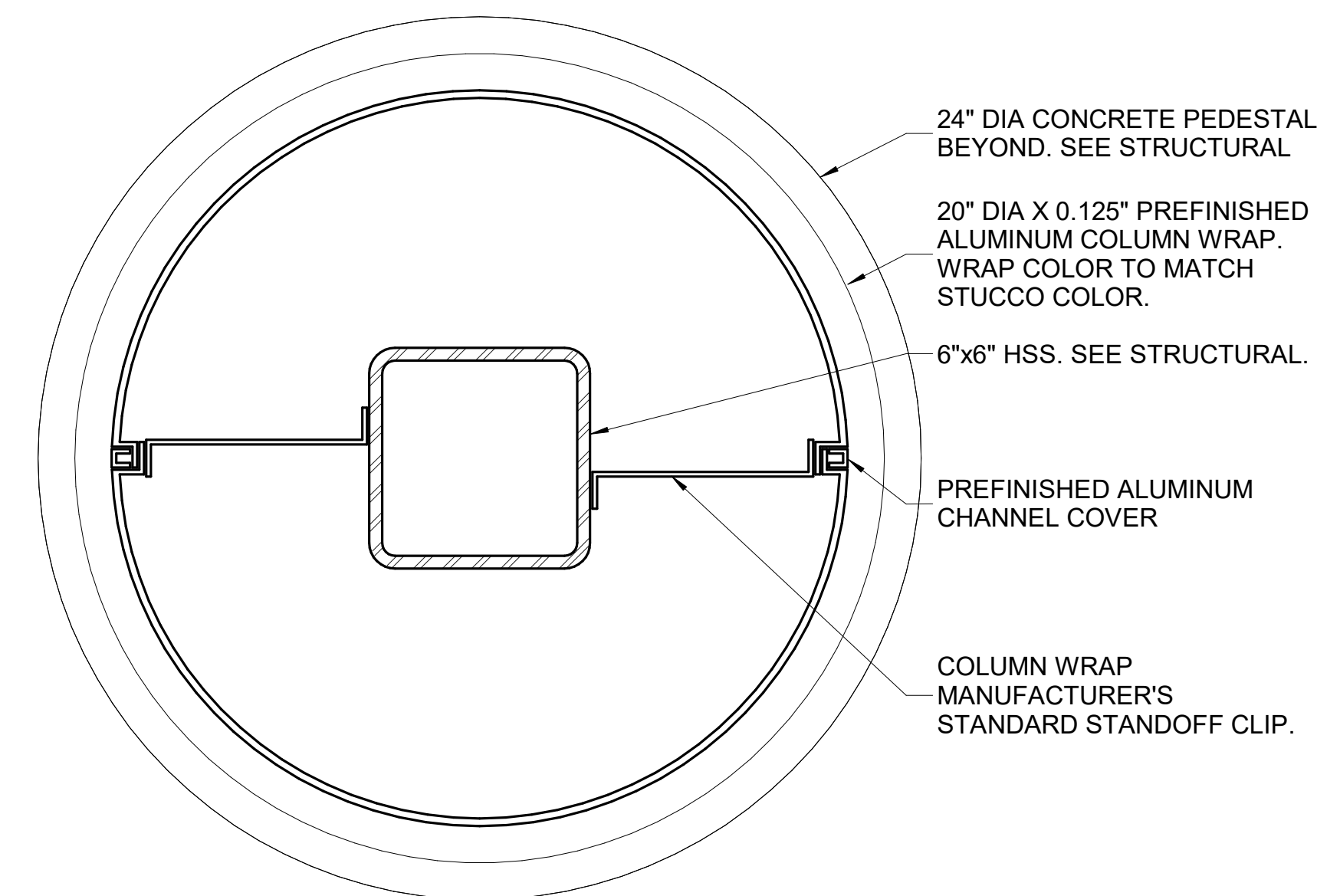
STUCCO FINISH SYSTEM

NEW CMU WALL

EXISTING CMU WALL TO REMAIN

5 5 THROUGH WALL SCUPPER DETAIL
A-201 SCALE: 3" = 1'-0"

1 1/2" 18 GAUGE VERTICAL "J" FURRING SECURED TO CMU WALL
BACKER ROD
1/2" CEMENT BOARD
1 1/2" 18 GAUGE METAL VERTICAL FURRING @ 12" O.C. SECURED TO CMU WALL
18 GAUGE EXPANDED METAL MESH WITH VAPOR PERMEABLE BACKED WATER BARRIER AND BOND BREAKER. SECURE METAL LATH THROUGH CEMENT BOARD INTO VERTICAL FURRING STRIPS AT 12" O.C. AT EACH VERTICAL FURRING STRIP.
3/8" SCRATCH COAT
3/8" BROWN COAT
1/8" FINISH COAT
VINYL SCREED
SEALANT. COLOR TO MATCH STUCCO COLOR

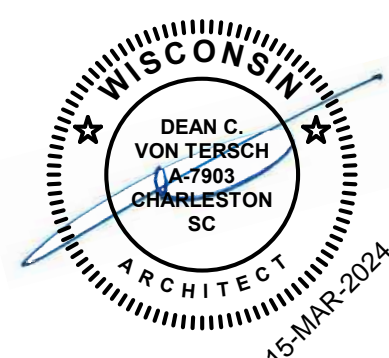


1 7 COLUMN WRAP DETAIL
A-101 SCALE: 3" = 1'-0"

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ISSUE DATE: 04 MARCH 2024

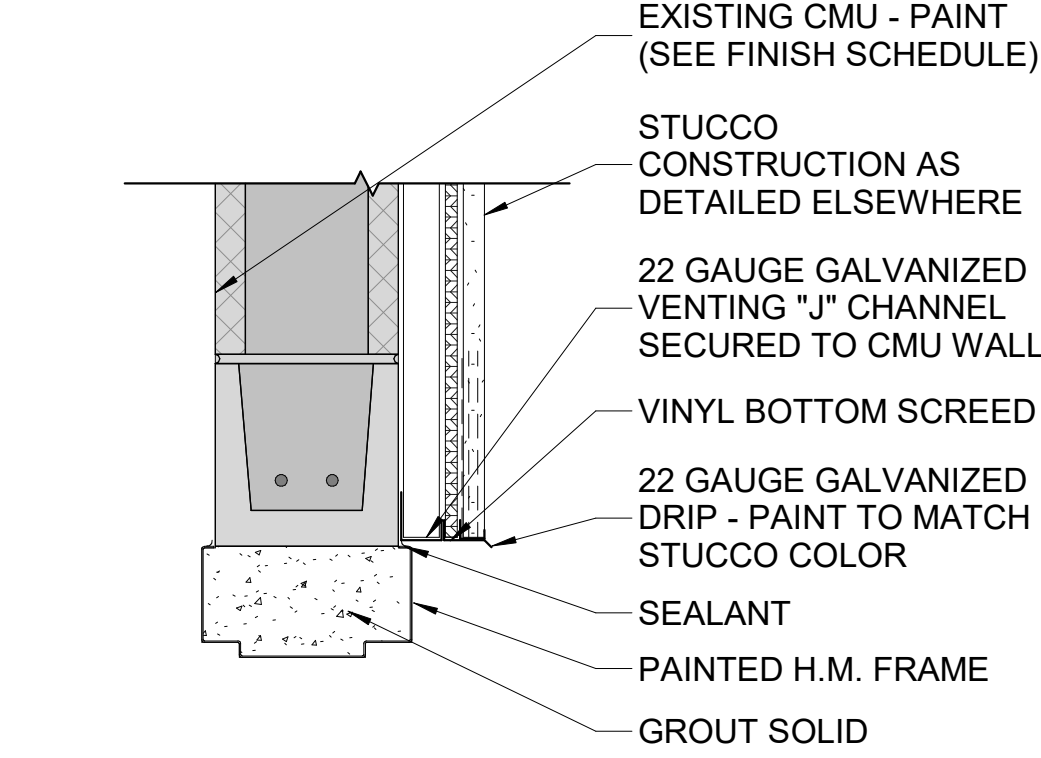
NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO. 28687	CEMS + MARINE CORPS AIR STATION	
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY M. JOHANNES	REPAIR BUILDING 1103 (BE2054M)	
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY D. VON TERSCH	SECTIONS AND DETAILS	
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR D. VON TERSCH	SIZE F	
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED DATE	CODE IDENT. NO.	N A V F A C DRAWING NO.
PUBLIC WORKS OFFICER		HQMC PROJ. NO.:	CONSTR. CONTR. NO.:
		SCALE: As indicated	MACC. T.O. # SHEET 13 OF 19



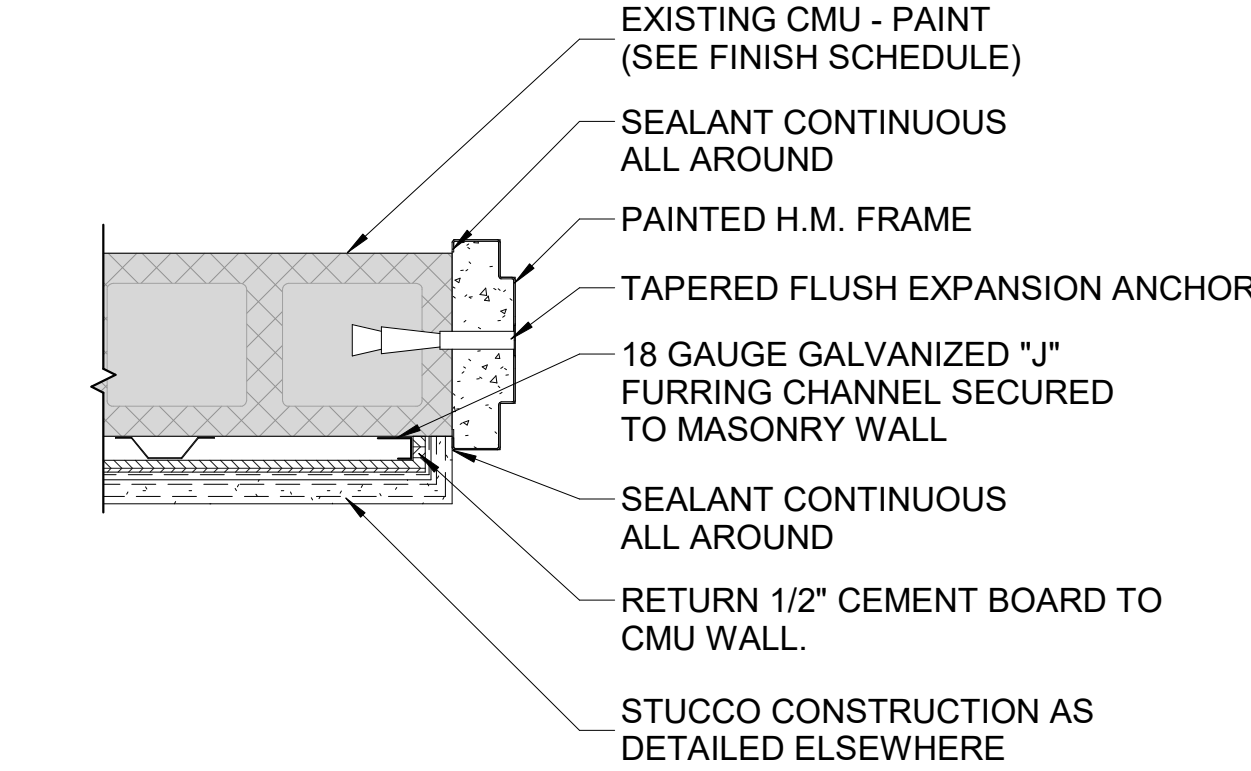
FINISH SCHEDULE						
ROOM NO	ROOM NAME	WALL FINISH	BASE FINISH	FLOOR MAT.	CEILING MAT.	NOTES & REMARKS
FIRST FLOOR						
101	GENERATOR ROOM	PT-1	---	---	EXP-1	ALL EXPOSED STRUCTURE TO BE EXP-1
102	REGULATOR ROOM	PT-1	---	---	EXP-1	ALL EXPOSED STRUCTURE TO BE EXP-1
103	CONTROL ROOM	PT-1	---	---	EXP-1	ALL EXPOSED STRUCTURE TO BE EXP-1

LEGEND OF COLORS AND FINISHES						
MARK	MATERIAL	MANUFACTURER	STYLE	COLOR	SIZE	COMMENTS
CEILING						
EXP-1	EXPOSED STRUCTURE	---	---	---	---	---
FLOORING						
CONC-1	EXPOSED CONCRETE	---	---	---	---	CLEAN
MISC.						
MTL-1	METAL DOORS, DOOR FRAMES, METAL TRIM AND LOUVERS	OLDCASTLE	---	DARK BRONZE, BUILDING ENVELOPE #740	---	SEE COMMENT #1
MTL-2	ROOF, GUTTERS, DOWNSPOUTS, FASCIA, SOFFITS	OLDCASTLE	---	DARK BRONZE, BUILDING ENVELOPE #740	---	SEE COMMENT #1
MTL-3	PREFINISHED COLUMN WRAP	---	---	---	---	SEE COMMENT #1, COMMENT #2
PT-2	STUCCO	---	---	RGB COLOR 211, 188, 162	---	SEE COMMENT #1
PT-3	CONCRETE	---	---	---	---	SEE COMMENT #2
WALLS						
PT-1	INTERIOR WALL PAINT	SHERWIN WILLIAMS	SATIN	SANDBAR 7547	---	SEE COMMENT #1

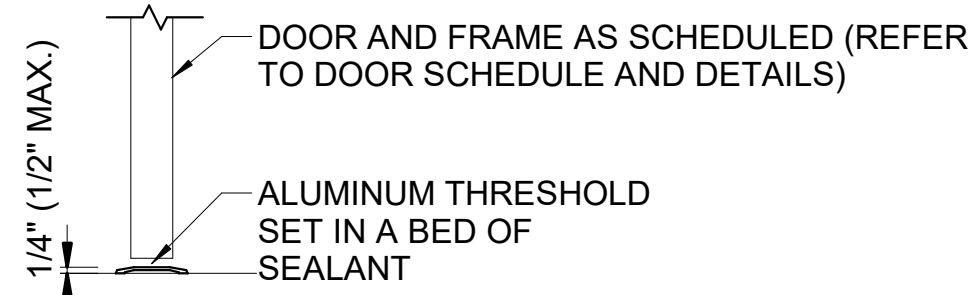
- LEGEND OF COLORS AND FINISHES COMMENTS:
- ALL COLORS AND TEXTURES ARE TO BE PER THE BEAUFORT, SC MARINE CORPS AIR STATION (MCAS) COLOR STANDARDS AS DEFINED IN THE BASE EXTERIOR ARCHITECTURE PLAN (BEAP) AND APPROVED BY MCAS PUBLIC WORKS (PW) DEPARTMENT PRIOR TO FINAL SELECTION BY THE CONTRACTOR. THE MANUFACTURERS INDICATED IN THE BEAP ARE INTENDED TO BE USED AS THE "BASIS OF DESIGN" AND ARE FOR REFERENCE ONLY. ALL PRODUCT NAMES AND MANUFACTURERS INDICATED ARE FOR REFERENCE ONLY. CONTRACTOR MAY USE THE MANUFACTURER OF THEIR CHOICE IF THE PRODUCT MEETS THE SPECIFICATIONS, AND THE FINISH COLORS MEET WITH PUBLIC WORKS APPROVAL. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE MANUFACTURERS CHOSEN BY THE CONTRACTOR MEET DURABILITY AND LONGEVITY REQUIREMENTS EQUAL OR BETTER THAN THE BASIS OF DESIGN PRODUCT INDICATED, MEET BUY AMERICA ACT REQUIREMENTS, AND ARE PREAPPROVED BY MCAS PUBLIC WORKS ARCHITECT PRIOR TO FINAL SELECTION BY THE CONTRACTOR. ALL PROPOSED BUILDING MATERIALS SHALL BE SUBMITTED TO PUBLIC WORKS FOR APPROVAL PRIOR TO ORDERING AND PURCHASING.
 - COLOR TO MATCH FINAL COLOR SELECTED FOR PT-2.



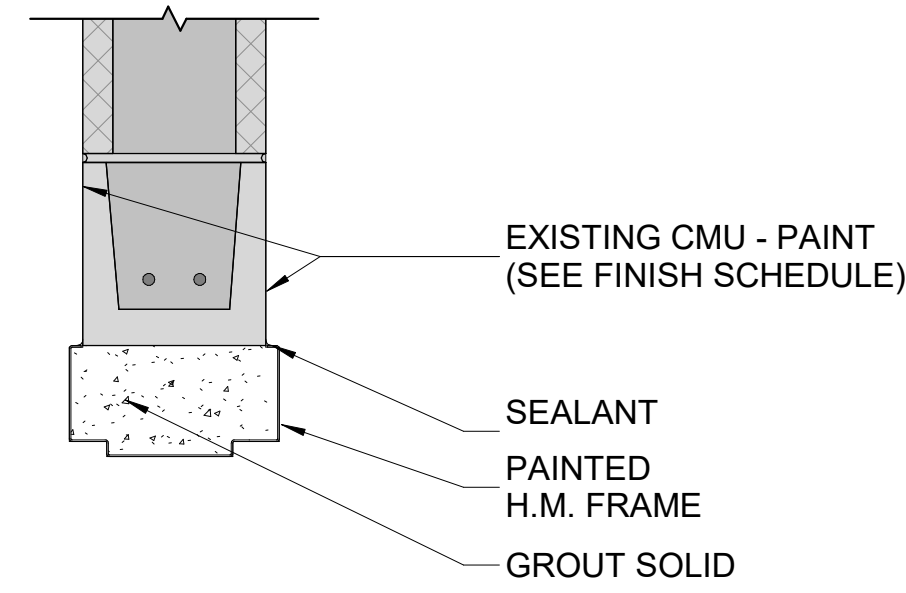
2 HEAD DETAIL
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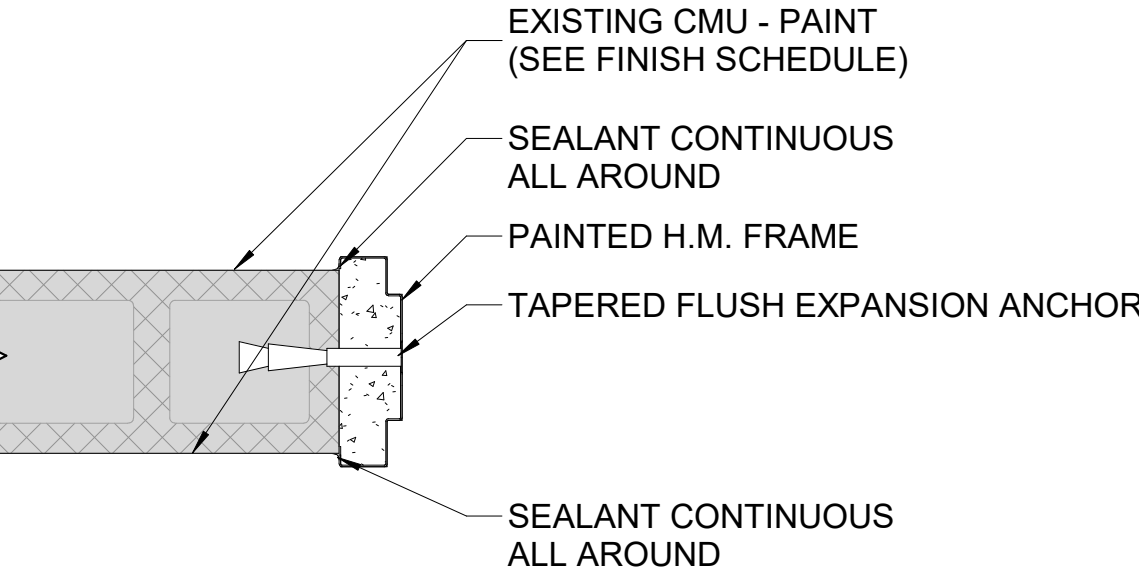
3 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



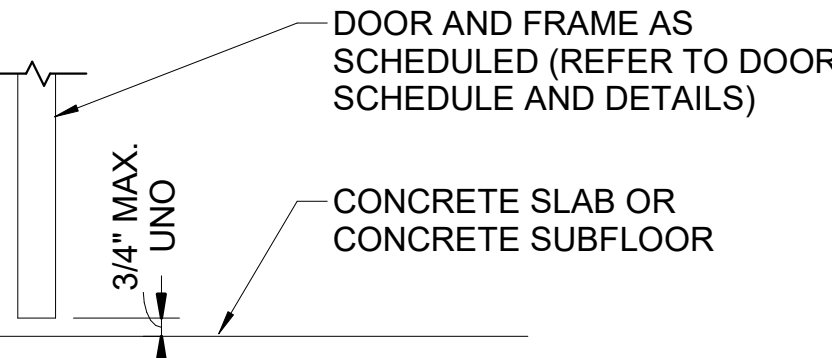
4 SILL DETAIL
SCALE: 1 1/2" = 1'-0"



5 HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



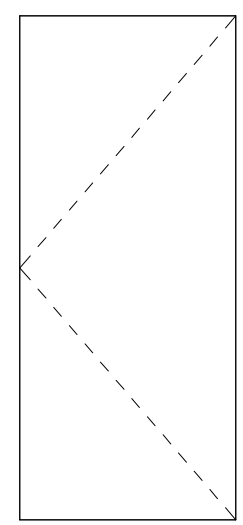
6 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



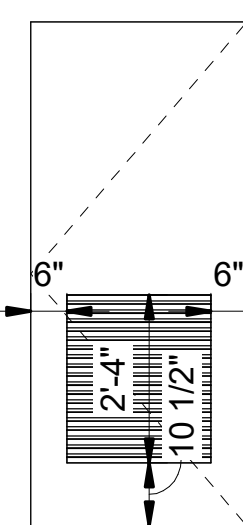
7 SILL DETAIL
SCALE: 1 1/2" = 1'-0"

DOOR SCHEDULE																				
NO.	ROOM LOCATION		DOOR							RATING (MIN.)		FRAME						NO.	HARDWARE	COMMENTS
	FROM	TO	TYPE	OPENING		THICKNESS	MATERIAL	FINISH	FIRE	STC	TYPE	MATERIAL	FINISH	DETAILS						
				WIDTH	HEIGHT									HEAD	JAMB	SILL				
101	CONTROL ROOM	GENERATOR ROOM	2F	6'-0"	7'-0"	1 3/4"	HM	PNT	--	---	A	HM	PNT	2/A-601	3/A-601	4/A-601	101	EX3		
102A		REGULATOR ROOM	2FL	6'-0"	7'-0"	1 3/4"	HM	PNT	--	---	A	HM	PNT	2/A-601	3/A-601	4/A-601	102A	EX3		
102B		REGULATOR ROOM	L	3'-0"	7'-0"	1 3/4"	HM	PNT	--	---	A	HM	PNT	5/A-601	6/A-601	7/A-601	102B	EX1		
103		CONTROL ROOM	F	3'-0"	7'-0"	1 3/4"	HM	PNT	--	---	A	HM	PNT	2/A-601	3/A-601	4/A-601	103	EX2		

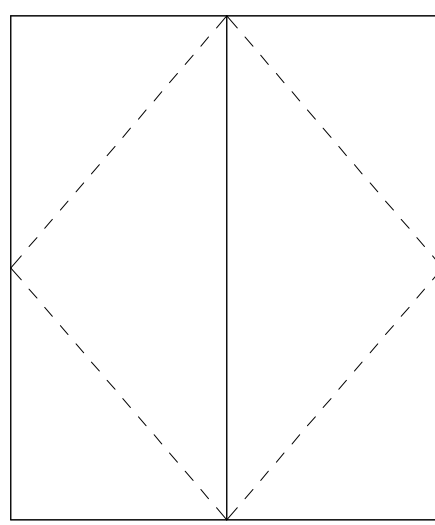
DOOR HARDWARE SET SCHEDULE																															
SET MARK	HINGES			LOCKSET		CLOSER			THRESHOLD		PERIMETER GASKET		SILENCER		EXIT DEVICE		PUSH		PULL		PLATES		SWEEP		ASTRAGAL		FLUSH BOLT		DRIP EDGE		REMARKS
	QTY (PAIR)	NON-REMOVABLE PIN	SECURITY STUD	ANSI#	QTY (EACH)	ANSI#	QTY (EACH)	HOLD-OPEN	BACKCHECK	ANSI#	QTY (EACH)	ANSI#	QTY (EACH)	ANSI#	QTY (SET)	ANSI#	QTY (EACH)	ANSI#	QTY (EACH)	ANSI#	QTY (EACH)	ANSI#	QTY (EACH)	ANSI#	QTY (EACH)	ANSI#	QTY (SET)	ANSI#			
EXTERIOR																															
EX1	1.5	Yes	Yes	A5111	1	F84	0	No	No	---	0	---	1	---	3	L03011	0	---	0	---	1	J102	1	---	0	---	0	---	1	---	
EX2	1.5	Yes	Yes	A5111	1	F84	1	Yes	Yes	C02021	1	J36100	1	R3C266	0	---	0	---	0	---	1	J102	1	R3B436	0	---	0	---	1	R3Y976 ON HEAD JAMB	
EX3	3	Yes	Yes	A5111	1	F84	2	Yes	Yes	C02021	1	J36130	1	R3C266	0	---	0	---	0	---	2	J102	2	R3B436	1	R3B634	1	L04251 TOP & BOTTOM	1	R3Y976 ON HEAD JAMB	FLUSH BOLTS ON LHR DOOR



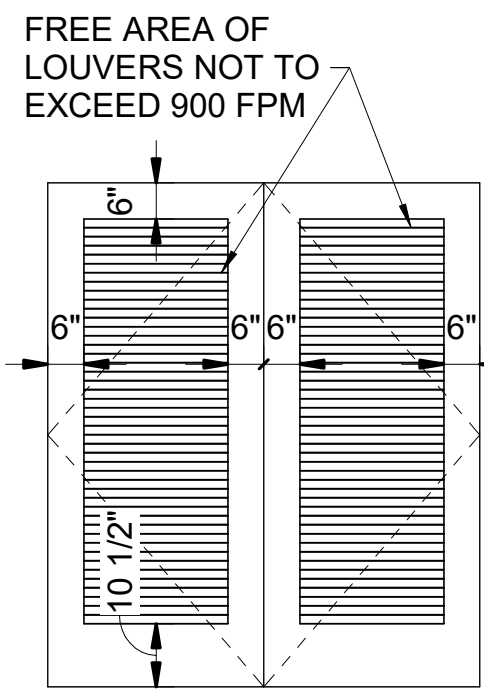
F (FLUSH DOOR)



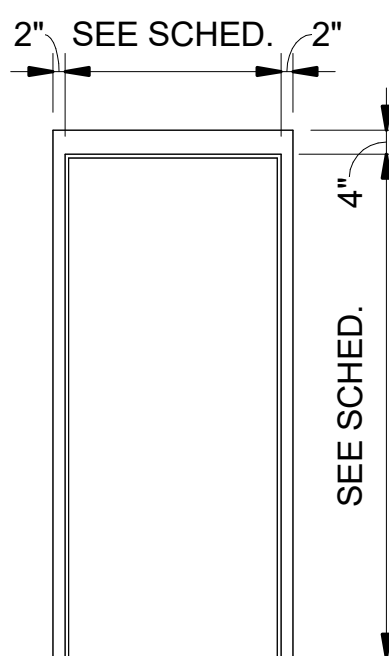
L (LOUVER)



2F (DOUBLE FLUSH DOOR)



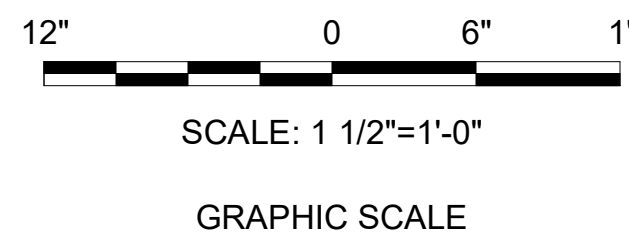
2FL (DOUBLE FULL LOUVER)



A

1 DOOR TYPES
SCALE: NOT TO SCALE

6 FRAME TYPES
SCALE: NOT TO SCALE




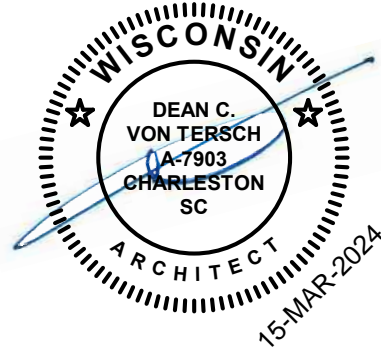
SCALE: 1 1/2"=1'-0"

GRAPHIC SCALE

IF SHEET IS LESS THAN (30"x42") IT IS A REDUCED PRINT. SCALE ACCORDINGLY

ISSUE DATE:04 MARCH 2024

NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO. 28688			A-601	
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY M. JOHANNES	DEPARTMENT OF THE NAVY MARINE CORPS AIR STATION BEAUFORT, S.C.		NAVAL FACILITIES ENGINEERING COMMAND	
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY D. VON TERSCH	REPAIR BUILDING 1103 (BE2054M)			
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR D. VON TERSCH	SCHEDULES AND DETAILS			
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED DATE	SIZE F	CODE IDENT. NO.	N A V F A C DRAWING NO.	
	PUBLIC WORKS OFFICER	HQMCC PROJ. NO.:		CONSTR. CONTR. NO.:	
		SCALE: As indicated	MACC.	T.O. #	SHEET 14 OF 19



MECHANICAL LEGEND:

- TO BE REMOVED/DEMOLISHED
- T

THERMOSTAT (T)
- XXXX

AIR DISTRIBUTION MARK
- REQUIRED EQUIPMENT CLEARANCES
- 7

KEYNOTE

ABBREVIATIONS

(E)	EXISTING
C	COMMAND (MODULATING CONTROL SIGNAL)
DDC	DIRECT DIGITAL CONTROLLER
EA	EXHAUST AIR
EF	EXHAUST FAN
NC	NORMALLY CLOSED
P	POSITION
SBC	SYSTEM BUILDING CONTROLLER
SS	START/STOP COMMAND
STS	STATUS
TYP.	TYPICAL
UH	UNIT HEATER
W/	WITH

DESIGN CONDITIONS

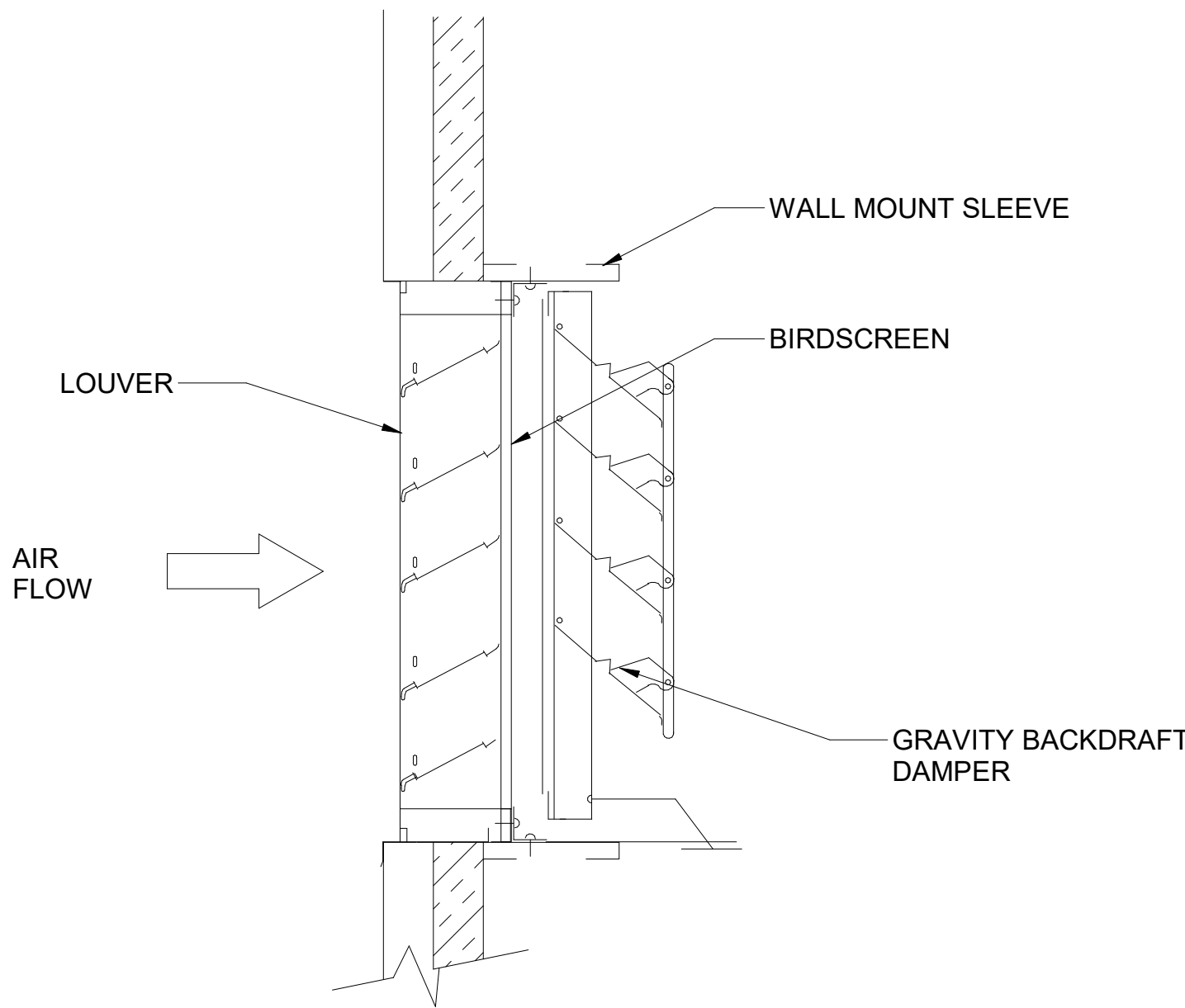
OUTDOOR DESIGN CONDITIONS			
SEASON		DB/WB (°F)	
SUMMER		92.7/77.7	
WINTER		28	
INDOOR DESIGN CONDITIONS			
SPACE TYPE	SEASON	OCCUPIED	UNOCCUPIED
ALL	COOLING	-	88°F
	HEATING	-	55°F

GENERAL NOTES:

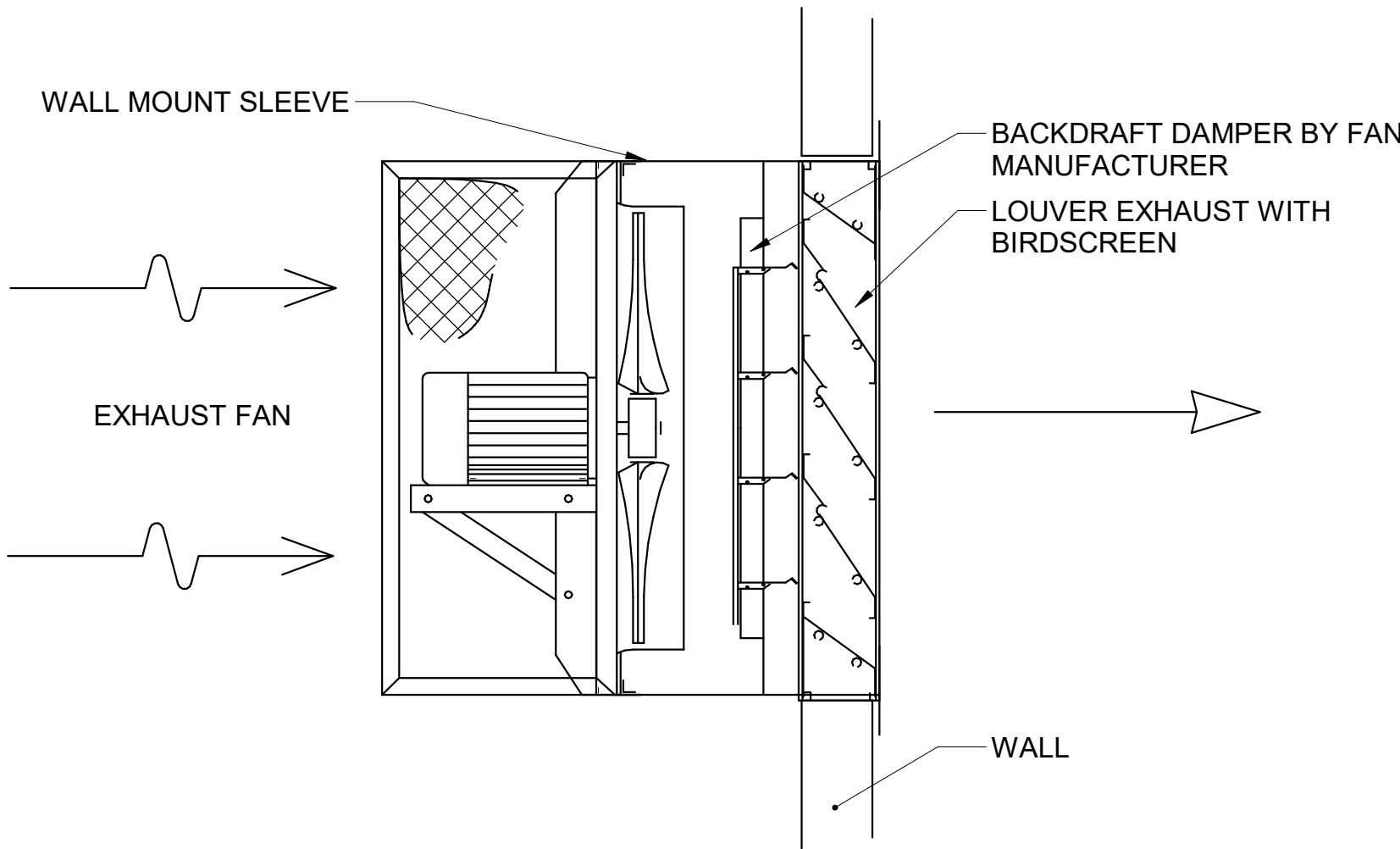
- DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT TO BE SCALED FOR DIMENSIONS, UNLESS DIMENSIONED. ALL EXISTING MECHANICAL EQUIPMENT LOCATIONS AND SIZING BASED ON AS-BUILT DRAWINGS AND FIELD VERIFICATION. CONTRACTOR SHALL BECOME TOTALLY FAMILIARIZED WITH AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS THAT AFFECT THIS CONTRACT AND SHALL MAKE ADJUSTMENTS AS REQUIRED BASED ON EXISTING CONDITIONS.
- ALL WORK SHOWN ON THESE DRAWINGS SHALL BE NEW UNLESS NOTED OTHERWISE AS EXISTING. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR FOR A COMPLETE AND OPERABLE SYSTEM. ALL WORK TO BE PERFORMED SHALL BE PROVIDED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- ALL EXISTING MECHANICAL SYSTEMS SHALL BE DEMOLISHED AND REMOVED BY THE CONTRACTOR UNLESS INDICATED OTHERWISE. REMOVAL OF EQUIPMENT, ETC. IS TO INCLUDE ALL ASSOCIATED HANGERS, SUPPORTS, BRACKETS, CONTROLS, AND APPURTENANCES PHYSICALLY ATTACHED AT THE COMMENCEMENT OF DEMOLITION, UNLESS NOTED OTHERWISE. ALL DEMOLITION SHALL BE PER 02 41 00 SPECIFICATION.
- WHEN WORKING IN AND AROUND THE EXISTING BUILDING, EXTREME CARE SHALL BE EXERCISED WITH REGARD TO PROTECTION OF THE EXISTING STRUCTURE AND MECHANICAL AND ELECTRICAL SERVICES WHICH WILL REMAIN. REPAIR, REPLACE, OR RESTORE TO THE SATISFACTION OF THE ENGINEER ALL EXISTING WORK DAMAGED IN THE PERFORMANCE OF DEMOLITION AND/OR NEW WORK.
- COORDINATE LOCATION OF MECHANICAL WORK WITH OTHER TRADES TO AVOID CONFLICTS AND INTERFERENCES. INSTALL ALL MECHANICAL EQUIPMENT SUCH THAT MANUFACTURER'S MAINTENANCE AREA IS CLEAR.
- FIELD CHECK ALL ROUGH AND/OR FINISH DIMENSIONS FOR ACCURATE FITTING OF EQUIPMENT. CABINETS, COUNTERS, FIXTURES AND ACCESSORIES BEFORE FABRICATION. PROVIDE AND INSTALL ALL NECESSARY FILLERS, SCRIBE STRIPS, PANELS, BASES, OR TRIM TO COMPLETE AND FINISH INSTALLATIONS.

REVISIONS

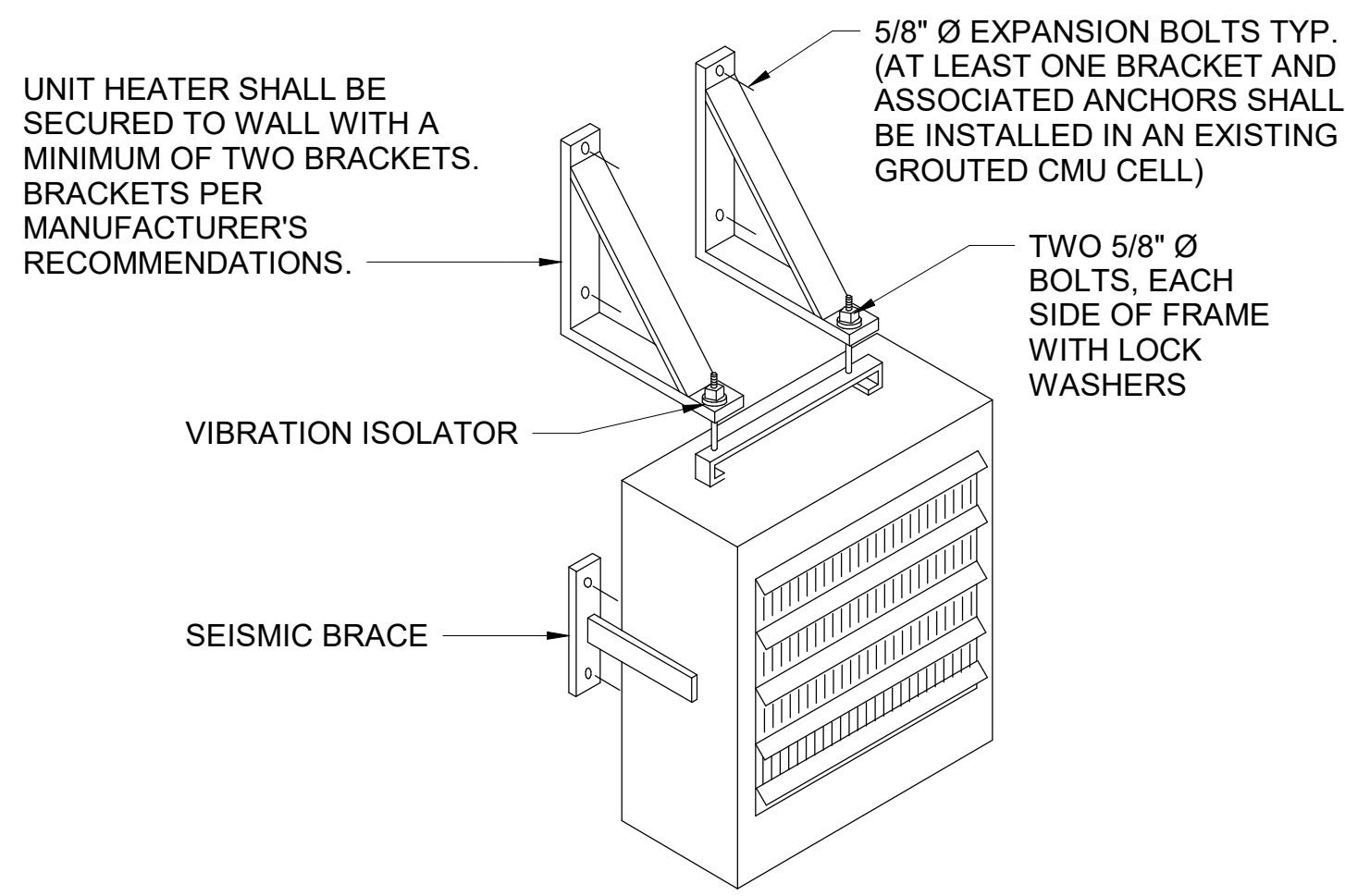
SYM.	DESCRIPTION	DATE	APP.



1 LOUVER WITH GRAVITY BACKDRAFT DAMPER DETAIL
SCALE: NOT TO SCALE



2 WALL-MOUNTED EXHAUST FAN DETAIL
SCALE: NOT TO SCALE



3 ELECTRIC UNIT HEATER DETAIL
SCALE: NOT TO SCALE

ELECTRIC UNIT HEATER SCHEDULE

MARK	TYPE	CFM	RATED CAPACITY (KW)	EAT (°F)	LAT (°F)	ELECTRICAL		
						MOTOR HP	MCA	V/Ø/HZ
UH-1	ELECTRIC	160	5	30	95	0.03	19.9	208/1/60
UH-2	ELECTRIC	130	3	30	95	0.03	11.1	208/1/60

- PROVIDE SINGLE POINT POWER CONNECTION.
- PROVIDE WALL MOUNTED THERMOSTAT AS SHOWN ON SHEET M-101. THERMOSTAT SHALL BE SET AT 55 °F.

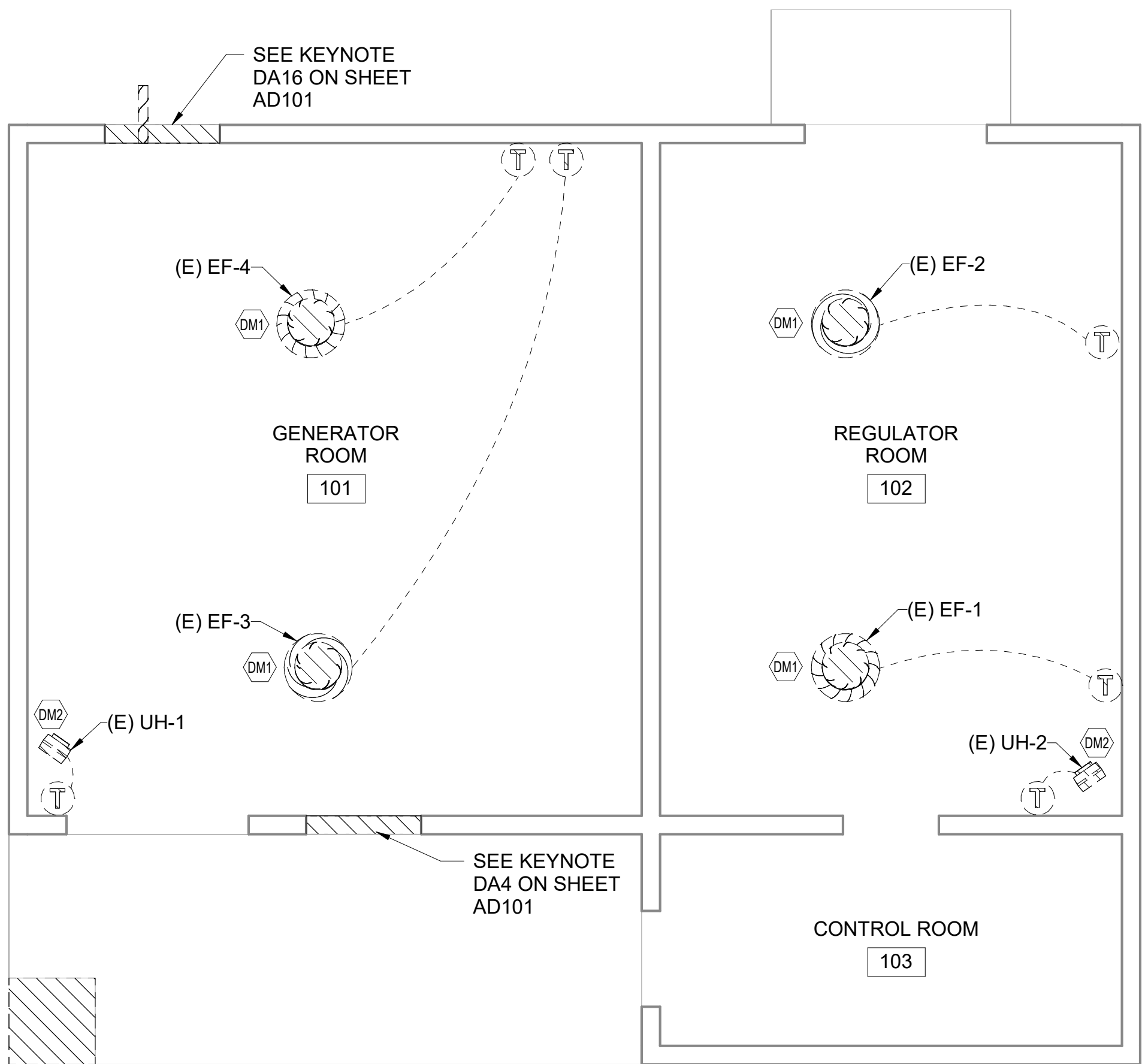
EXHAUST FAN SCHEDULE

TAG	FAN TYPE	ESP ("W.C.)	CFM	DRIVE	MOTOR HP	V/Φ/HZ	OPENING SIZE
EF-1	WALL-MOUNTED PROP	0.75	2000	DIRECT	3/4	115/1/60	24X24
EF-2	WALL-MOUNTED PROP	0.75	2000	DIRECT	3/4	115/1/60	24X24
EF-3	WALL-MOUNTED PROP	0.75	1050	DIRECT	1/2	115/1/60	24X24

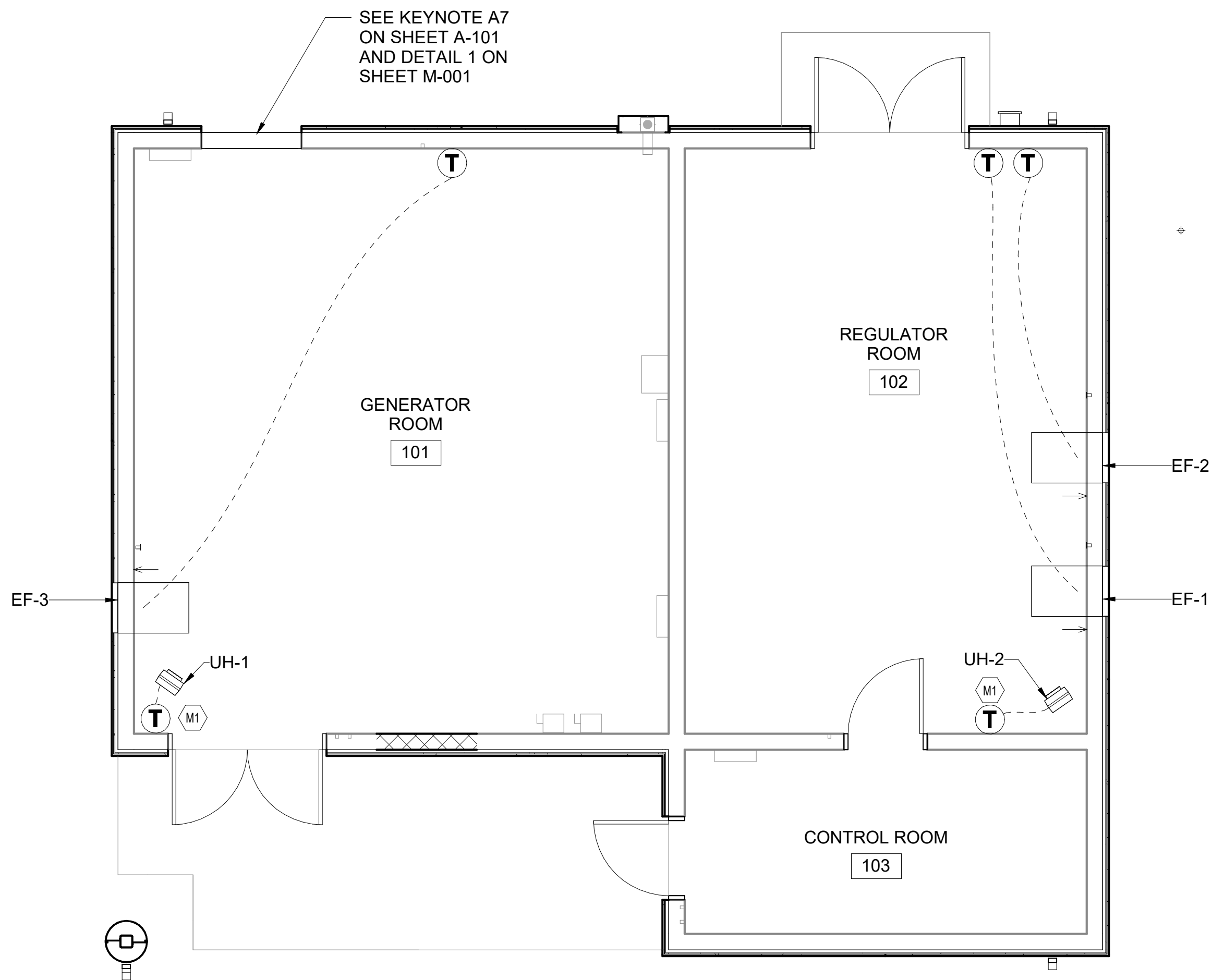
- PROVIDE SINGLE POINT POWER CONNECTION.

IF SHEET IS LESS THAN (30"x42") IT IS A REDUCED PRINT. SCALE ACCORDINGLY		ISSUE DATE:04 MARCH 2024	
NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO. 28689	CEMS CORPORATE IDENTITY PROGRAM No. 03510 31-10-2024	
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY D. ILDERTON	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND REPAIRPORT, S.C. MARINE CORPS AIR STATION	
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY P. MAHAFFEY	REPAIR BUILDING 1103 (BE2054M)	
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR P. MAHAFFEY	LEGEND, ABBREVIATIONS, AND GENERAL NOTES	
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED DATE	SIZE F	CODE IDENT. NO. N A V F A C DRAWING NO.
PUBLIC WORKS OFFICER		HQMC PROJ. NO.:	CONSTR. CONTR. NO.:
		SCALE: As indicated	MACC. T.O. # SHEET 15 OF 19

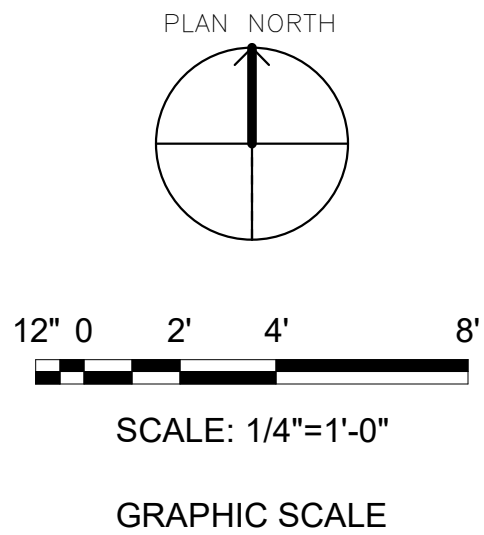
REVISIONS			
SYM.	DESCRIPTION	DATE	APP.
SHEET KEYNOTES			
DM1 DEMOLISH EXISTING ROOFTOP EXHAUST FAN, INCLUDING ALL ASSOCIATED BACKDRAFT DAMPERS AND WALL MOUNTED THERMOSTATS.			
DM2 DEMOLISH EXISTING UNIT HEATER, INCLUDING ASSOCIATED WALL MOUNTED THERMOSTAT.			
M1 REUSE EXISTING CONDUIT OR RACEWAY FOR NEW UNIT HEATER.			



1 MECHANICAL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"




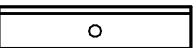












B1 MECHANICAL NEW WORK PLAN
SCALE: 1/4" = 1'-0"



IF SHEET IS LESS THAN (30"x42") IT IS A REDUCED PRINT. SCALE ACCORDINGLY		ISSUE DATE: 04 MARCH 2024	
NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO. 28690	CEMS NAVY FACILITIES ENGINEERING COMMAND REPAIR BUILDING 1103 (BE2054M)	
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY D. ILBERTON	MARINE CORPS AIR STATION REPAIR BUILDING 1103 (BE2054M)	
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY P. MAHAFFEY	DEMOLITION AND NEW WORK PLANS	
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR P. MAHAFFEY	SIZE F	
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED DATE	CODE IDENT. NO.	N A V F A C DRAWING NO.
PUBLIC WORKS OFFICER		HQMC PROJ. NO.:	CONSTR. CONTR. NO.:
		SCALE: 1/4" = 1'-0"	MACC. T.O. # SHEET 16 OF 19




LEGEND:

-  RECEPTACLE, 20A, 120VOLT ('G' - INDICATES GROUND FAULT RECEPTACLE; 'W' - INDICATES A WEATHER PROOF WHILE IN USE RECEPTACLE)
-  RECEPTACLE, 20A, 120VOLT MOUNTED AT 48" AFF
-  SWITCH, 20A ('3' - DENOTES THREEWAY, 'OS' - DENOTES OCCUPANCY SENSOR; 'D' - DENOTES DIMMER SWITCH; 'm' - DENOTES MOTOR RATED SWITCH)
-  1'x4' SUSPENDED LED LIGHT FIXTURE. SEE FIXTURE SCHEDULE.
-  PANELBOARD SURFACE MOUNTED
-  EXIT SIGN WITH 90 MINUTES BATTERY BACKUP MINIMUM. SEE FIXTURE SCHEDULE.
-  LED EXTERIOR WALL PACK FIXTURE, TO BE MOUNTED USING PRESERVED MOUNTING BOX.
-  JUNCTION BOX
-  DISCONNECT SWITCH, NON-FUSED
-  18" LIGHTNING AIR TERMINAL
-  ROOF CONDUCTOR, #1/0 BARE ALUMINUM
-  GROUNDING COUNTERPOISE, #1/0 BARE COPPER
-  COPPER-CLAD GROUND ROD, 3/4" x 10'
-  SHEET KEYNOTE

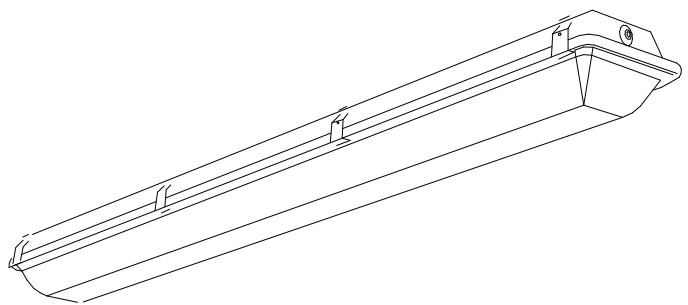
GENERAL ELECTRICAL NOTES (APPLIES TO ALL DRAWINGS):

1. ALL ELECTRICAL WORK IS TO BE DONE IN ACCORDANCE WITH THE CURRENT EDITION OF NFPA 70: NATIONAL ELECTRICAL CODE.
2. MATERIALS ARE TO BE NEW AND CONFORM TO THE STANDARDS OF THE UNDERWRITER'S LABORATORIES, INC. (U.L.) AND THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA).
3. CONTRACTOR SHALL CONSIDER VOLTAGE DROP WHEN DETERMINING THE EXACT ROUTING OF BRANCH CIRCUIT AND FEEDER WIRING. ADJUST WIRE AND CONDUIT SIZE AS NECESSARY TO PREVENT A VOLTAGE DROP EXCEEDING 3% AT THE FURTHEST DEVICE LOCATION.
4. ELECTRICAL DRAWING IS GENERALLY DIAGRAMMATIC. COORDINATE WORK WITH ALL TRADES PRIOR TO START OF CONSTRUCTION. BRANCH CIRCUIT CONDUIT ROUTING SHALL BE COORDINATED IN THE FIELD BY THE CONTRACTOR TO MEET SPECIFICATIONS, CODE REQUIREMENTS, AND TO PROVIDE A NEAT, WORKMANLIKE, FULLY OPERATIONAL SYSTEM.
5. PROVIDE A TYPED SCHEDULE IN PANELBOARDS CLEARLY DESCRIBING THE LOCATION AND TYPE OF LOAD BEING SERVED FOR ALL CIRCUITS.
6. CONTRACTOR IS TO BE AWARE OF ALL RULES, REGULATIONS, AND CODES REQUIRED FOR SUCCESSFUL COMPLETION OF CONSTRUCTION.
7. COORDINATE WITH THE MECHANICAL PLANS FOR THE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT BEFORE ROUGHING IN. ALL MECHANICAL EQUIPMENT SHALL BE ROUGHED IN AND WIRED ACCORDING TO THE APPROVED SHOP DRAWINGS.

LIGHTING FIXTURE SCHEDULE

FIXTURE SYMBOL	STYLE NO. & TYPE	NUMBER AND TYPE OF LAMPS	VOLTAGE	MOUNTING	NOTES
	NL-11	54W LED 5700 LUM	MVOLT	SUSPENDED AT 10' 0" AFF	
	NL-48	26W LED 2000 LUMENS	MVOLT	WALL MTD.	FIXTURE TO HAVE 100 PERCENT CUTOFF
	NL-63	1.5 W LED RED	MVOLT	UNV MTD.	PROVIDE BATTERY BACKUP DRIVER

'E' - DENOTES EMERGENCY BATTERY DRIVER FOR 1400 LUMEN OPERATION FOR MINIMUM OF 90 MINUTES

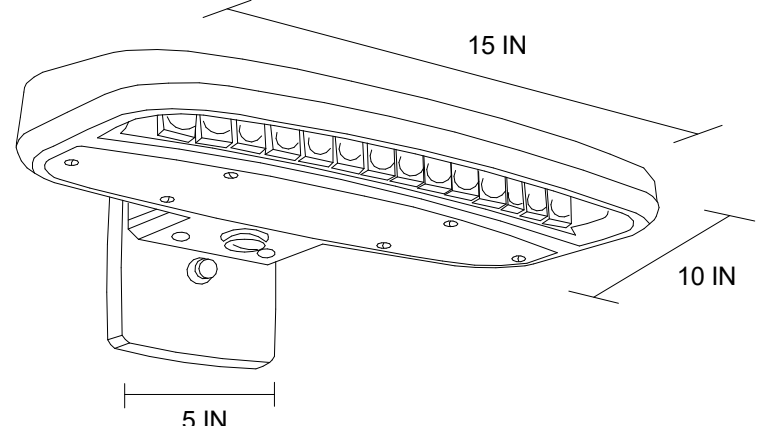


LUMINAIRE REQUIREMENTS:

1. HOUSING - FIBERGLASS OR FIBERGLASS-REINFORCED POLYESTER OUTER HOUSING, WITH ALUMINUM COMPONENT TRAY AND HEAT SINK. OPTIONAL LENGTHS OF 4FT OR 8FT.
2. LENS - IMPACT-RESISTANT ACRYLIC OR OPTIONAL POLYCARBONATE, WITH CONTINUOUS CLOSED-CELL POLYURETHANE GASKET, SECURED WITH STAINLESS STEEL OR POLYCARBONATE LATCHES.
3. LIGHT SOURCE - SOLID STATE LEDS WITH MINIMUM 50K HOURS RATED LIFE AT L70, 3500K CCT UON, MINIMUM 80 CRI, MAXIMUM 4-STEP MCADAM ELLIPSE BINNING TOLERANCE FOR COLOR CONSISTENCY, AND MINIMUM EFFICACY OF 100 LUMENS/WATT. INITIAL LUMEN OUTPUT AS INDICATED IN LUMINAIRE SCHEDULE.
4. DRIVER - REPLACEABLE, INTEGRAL, HIGH-EFFICIENCY DRIVER WITH MINIMUM 0.9 PF, OPERATING VOLTAGE OF 120-277V, THERMAL MANAGEMENT, < 20% TOTAL HARMONIC DISTORTION, ON-OFF CONTROL, STEP-DIMMABLE OR FULLY DIMMABLE AS INDICATED.
5. CERTIFICATION - UL 1598, WET LOCATION (IP65, IP66, IP67), DLC QUALIFIED, AND ROHS COMPLIANT. COMPLIES WITH LM79, LM80 AND TM21 TESTING STANDARDS. UL 924 WHEN EQUIPPED WITH EMERGENCY BATTERY BACK-UP.
6. MOUNTING - SURFACE-MOUNTED OR SUSPENDED FROM CEILING.
7. OPTIONS - POWER CORD, INTEGRAL MOTION SENSOR, EMERGENCY BACK-UP.
8. THIS SKETCH IS A NON-PROPRIETARY GRAPHIC REPRESENTATION OF A LUMINAIRE THAT MAY MEET THE SPECIFICATION REQUIREMENTS. IT IS NOT INTENDED TO INDICATE A CERTAIN MANUFACTURER OR PREFERENCE.

LED ENCLOSED AND GASKETED

REVISED:	APRIL 2016	LIGHTING PLATE:	NL-11
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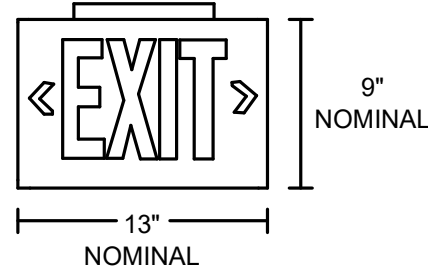


LUMINAIRE REQUIREMENTS:

1. HOUSING - DIE-CAST OR EXTRUDED ALUMINUM WITH INTEGRAL PASSIVE COOLING MECHANISM. HEAT SINK SHALL BE INCORPORATED DIRECTLY INTO HOUSING OR DRIVER COMPARTMENT TO ENSURE MAXIMUM HEAT TRANSFER AND DISSIPATION.
2. FINISH - MULTI-STAGE PRE-TREATMENT, FINISHED WITH BAKED-ON POLYESTER POWDER COAT. FINISH SHALL PASS 2500 HOUR SALT SPRAY TEST PER ASTM B117. STANDARD FINISH IS DARK BRONZE, WITH OTHER CUSTOM COLORS AVAILABLE.
3. POWER SUPPLY/LED DRIVER - CLASS 1 DRIVER SHALL OPERATE AT 120/277 VOLTS, 50/60 HZ, WITH OTHER VOLTAGES OPTIONAL; POWER FACTOR GREATER THAN 0.9 AND THD LESS THAN 20% AT FULL LOAD. MINIMUM EFFICACY SHALL BE 60 LM/W AT MAXIMUM 600mA OPERATING CURRENT.
4. LED OPTICAL ASSEMBLY - PRECISION MOLDED ACRYLIC LENS PROVIDED FOR MULTIPLE HIGH-POWERED LEDS PRODUCING NEMA TYPE III DISTRIBUTION OR AS OTHERWISE INDICATED. BUG UPLIGHT RATING OF U0, WITH GLARE RATING AS DETERMINED BY LIGHTING ZONE INSTALLED. MINIMUM COLOR RENDERING INDEX (CRI) SHALL BE 70 FOR CORRELATED COLOR TEMPERATURE (CCT) OF 4000-4500 DEGREES K.
5. CERTIFICATION - UL AND/OR ETL LISTED FOR DAMP OR WET LOCATIONS AS INDICATED, AND RoHS COMPLIANT.
6. OPTIONS - VARIOUS LUMEN OUTPUT RATING AS INDICATED, PHOTOCELL, AND 0-10 VOLT DIMMING DRIVER.
7. OTHER - THE ABOVE SKETCH IS A NON-PROPRIETY GRAPHIC REPRESENTATION OF A LUMINAIRE THAT MAY MEET THE SPECIFICATION REQUIREMENTS AND IS NOT INTENDED TO INDICATE A CERTAIN MANUFACTURER'S PREFERENCE. ALL DIMENSIONS ARE NOMINAL AND VARY PER MANUFACTURER.

LED WALL PACK

REVISED:	MARCH 2013	LUMINAIRE PLATE:	NL-48
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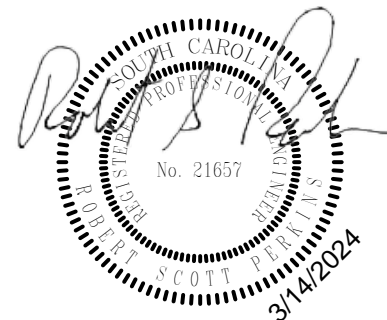


LUMINAIRE REQUIREMENTS:

1. HOUSING - DIE-CAST ALUMINUM OR HIGH-IMPACT, UV-STABILIZED, INJECTION-MOLDED THERMOPLASTIC, SINGLE OR DOUBLE-FACED AS INDICATED.
2. FINISH (ON CAST ALUMINUM HOUSING ONLY) - TEXTURED POWDER COAT FINISH. OPTIONS INCLUDE WHITE, WHITE WITH BRUSHED ALUMINUM FACE, BLACK, OR BLACK WITH BRUSHED ALUMINUM FACE.
3. LETTERS/CHEVRONS - MINIMUM 6" HIGH WITH 3/4" STROKE. RED OR GREEN LETTERS AS INDICATED. PROVIDE CHEVRONS AS INDICATED EITHER LEFT, RIGHT OR BOTH DIRECTIONS AS INDICATED. CHEVRONS PUNCHED OUT THROUGH HOUSING AS REQUIRED.
4. EMERGENCY PACK - SOLID-STATE, CONSTANT-CURRENT TYPE BATTERY CHARGER WITH MAINTENANCE-FREE, NICKEL-CADMIUM BATTERY, AC-ON INDICATOR LAMP AND TEST SWITCH.
5. MOUNTING - UNIVERSAL MOUNTING KIT FOR CEILING, WALL OR END-OF-FIXTURE MOUNTING.
6. ILLUMINATION - PROVIDED BY RED, GREEN OR WHITE HIGH-OUTPUT LEDS INSIDE OF FIXTURE HOUSING. PROVIDE POLYSTYRENE DIFFUSER IN COLOR INDICATED WITH FREQUENCY-MATCHED SILKSCREEN COATING FOR MAXIMUM LED LIGHT OUTPUT.
7. CERTIFICATION - UL LISTED AND CERTIFIED FOR DAMP LOCATIONS.

LED EXIT SIGN

REVISED:	AUGUST 2004	LIGHTING PLATE:	NL-63
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IF SHEET IS LESS THAN (30"x42") IT IS A REDUCED PRINT. SCALE ACCORDINGLY

ISSUE DATE: 04 MARCH 2024

NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO. 28691	CEMS + <small>COMPLIES WITH CEMC P2, 2015, and National Permit 91016 (1 JULY 2017)</small>		E-001	
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY C. COOPER	DEPARTMENT OF THE NAVY MARINE CORPS AIR STATION BEAUFORT, S.C.		NAVAL FACILITIES ENGINEERING COMMAND	
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY H. BONGIORNO	REPAIR BUILDING 1103 (BE2054M)			
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR J. BONGIORNO	GENERAL NOTES, LEGENDS AND DETAILS			
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED DATE	SIZE F	CODE IDENT. NO.	NAV F A C DRAWING NO.	
		HOMC PROJ. NO.:		CONSTR. CONTR. NO.: N40085-17-B-0019	
	PUBLIC WORKS OFFICER	SCALE: As indicated	MACC.	T.O. #	SHEET 17 OF 19

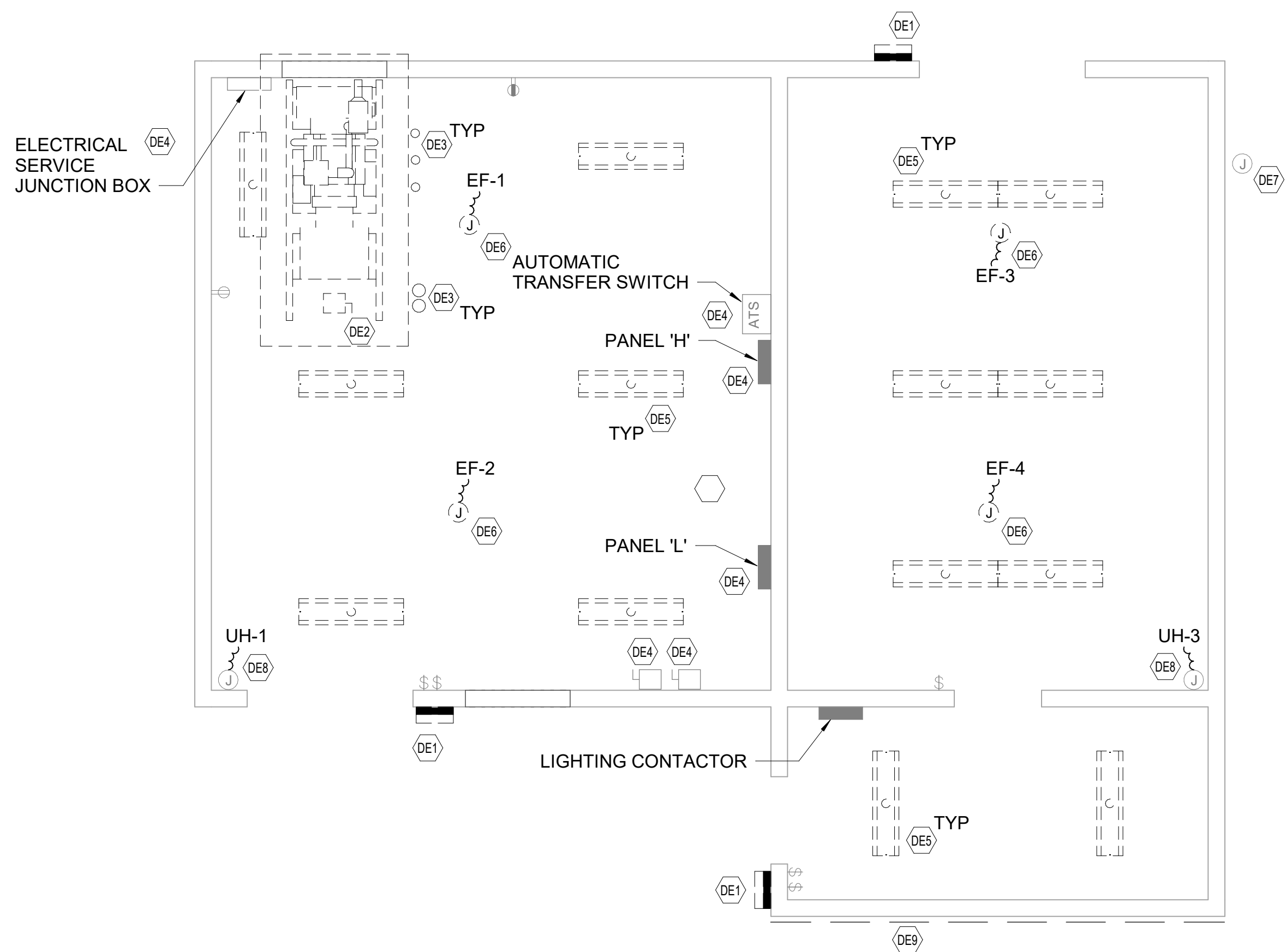
REVISIONS			
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GENERAL NOTES

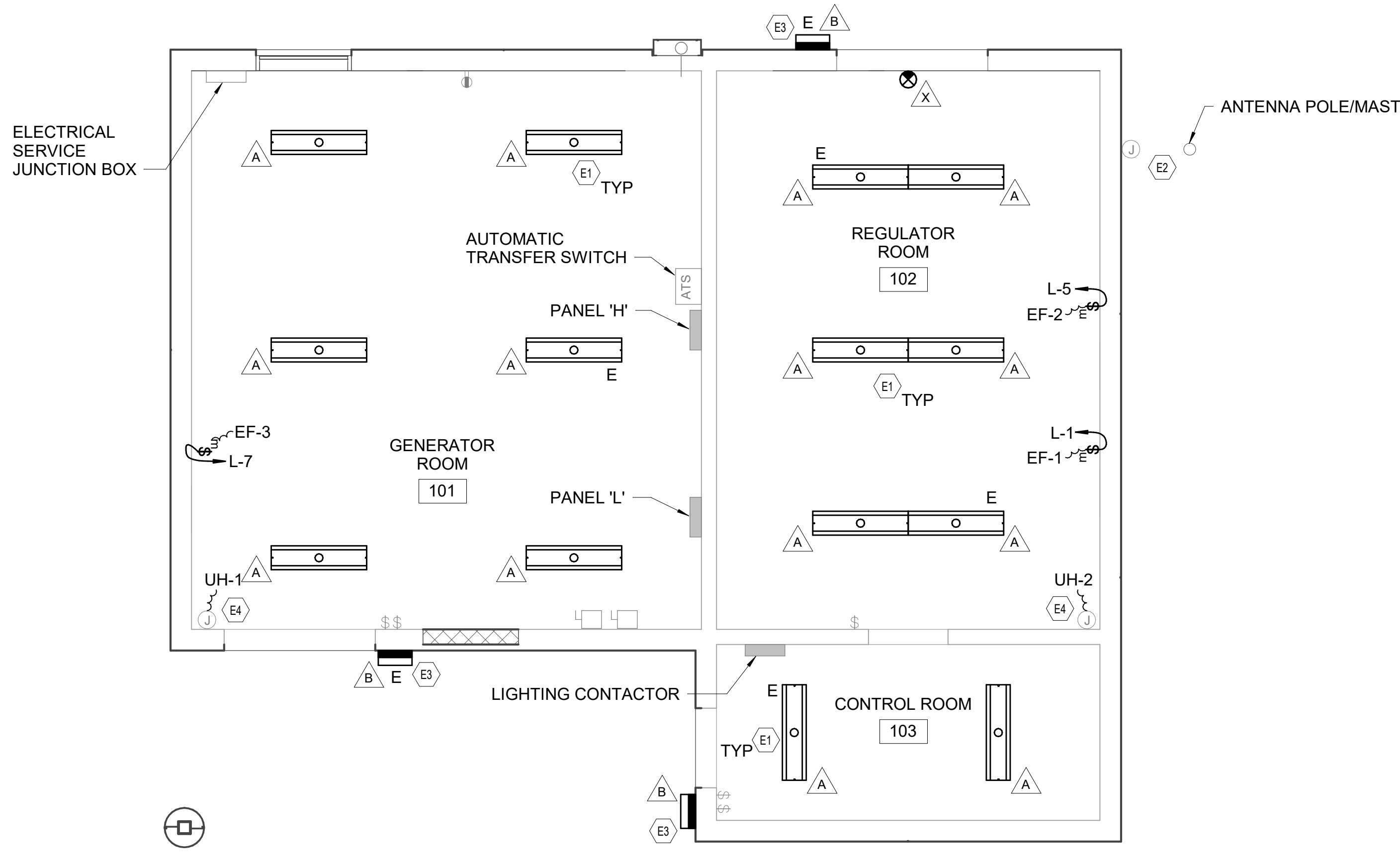
- SEE LEGEND AND GENERAL NOTES ON SHEET E-001.
- SEE SHEET E-001 FOR LIGHTNING PROTECTION NOTES AND DETAILS.

SHEET KEYNOTES

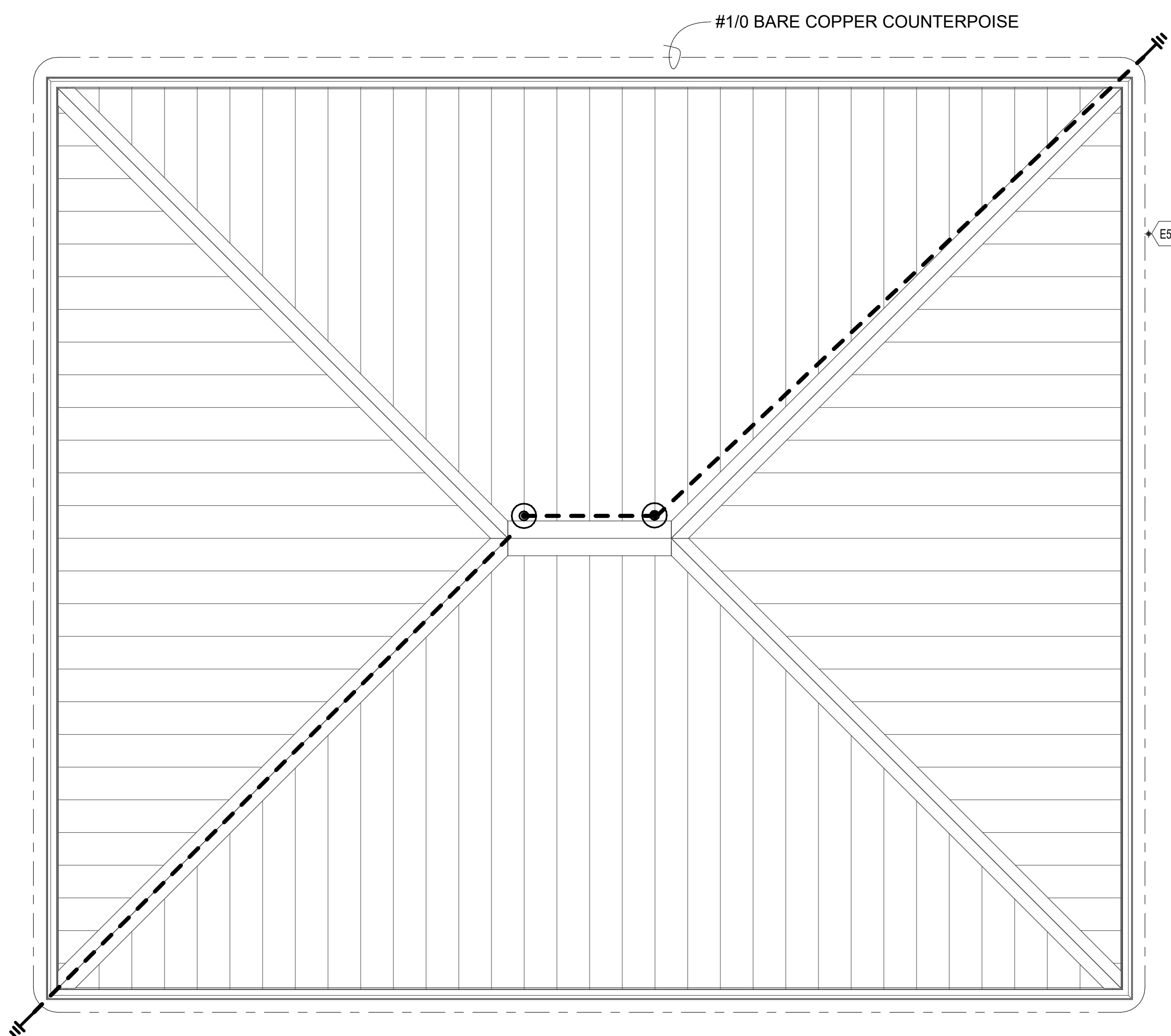
- DE1 DEMOLISH FIXTURE AND PRESERVE EXISTING EXTERIOR LIGHTING CIRCUIT AND CONTROLS FOR RECONNECTION. DEMOLISH EXISTING EXTERIOR LIGHT FIXTURES.
- DE2 DISCONNECT AND DEMOLISH EXISTING GENERATOR LOCATED IN GENERATOR ROOM 101.
- DE3 DEMOLISH ASSOCIATED GENERATOR CONDUCTORS BACK TO SOURCE. CUT FLUSH TO EXISTING FLOOR LEVEL AND INFILL CONDUIT TO ABANDON IN SLAB.
- DE4 ELECTRICAL EQUIPMENT TO REMAIN.
- DE5 DISCONNECT AND DEMOLISH EXISTING INTERIOR LIGHT FIXTURES. PRESERVE EXISTING LIGHTING CIRCUIT AND CONTROLS FOR REUSE.
- DE6 DEMOLISH EXISTING EXHAUST FAN AND ELECTRICAL CIRCUIT BACK TO SOURCE. PRESERVE EXISTING ELECTRICAL CIRCUIT BREAKER AND RELABEL AS 'SPARE'.
- DE7 REMOVE AIRFIELD LIGHTING CONTROL SYSTEM (ALCS) ANTENNA. PROVIDE A MAST/POLE NO MORE THAN FIVE FEET FROM ITS CURRENT LOCATION AT A HEIGHT EQUAL TO CURRENT HEIGHT DURING CONSTRUCTION OF THE NEW ROOF. RELOCATE EXISTING ANTENNA TO NEW MAST/POLE EQUAL AT CURRENT ANTENNA'S HEIGHT. ANTENNA TO REMAIN OPERATIONAL DURING ENTIRE CONSTRUCTION PHASE. CONTRACTOR TO NOTIFY CONTRACTING OFFICER AFTER RELOCATION OF ANTENNA FOR RECALIBRATION.
- DE8 DISCONNECT AND PRESERVE EXISTING ELECTRICAL CIRCUIT CONDUCTORS FOR THE UNIT HEATER FOR REUSE.
- DE9 DEMOLISH CONDUIT AND CONDUCTORS COMPLETE BACK TO SOURCE. REFER TO DEMOLITION PHOTO 1 ON SHEET AD901.
- E1 CONNECT NEW LED LIGHT FIXTURES TO PRESERVED ELECTRICAL LIGHTING CIRCUIT AND CONTROLS.
- E2 AFTER NEW ROOF IS INSTALLED, MOUNT ANTENNA TO BUILDING WITH PROVIDED ANTENNA MOUNT AS SHOWN ON STRUCTURAL DRAWINGS. CONTRACTOR TO NOTIFY CONTRACTING OFFICER AFTER RELOCATION OF ANTENNA TO FINISH COORDINATION.
- E3 RECONNECT PRESERVED LIGHTING CONDUCTORS TO NEW EXTERIOR WALL PACKS. PROVIDE MOUNTING NEEDED FOR OFFSET FROM PRESERVED ELECTRICAL BOX TO ACCOMMODATE NEW STUCCO SIDING.
- E4 RECONNECT PRESERVED ELECTRICAL CONDUCTORS TO NEW UNIT HEATERS.
- E5 PROVIDE A LIGHTNING DOWN CONDUCTOR FROM BASE OF ANTENNA MAST/POLE TO THE NEW GROUNDING COUNTERPOISE. COORDINATE MATERIAL OF MOUNTING BRACKET WITH MATERIAL OF POLE.



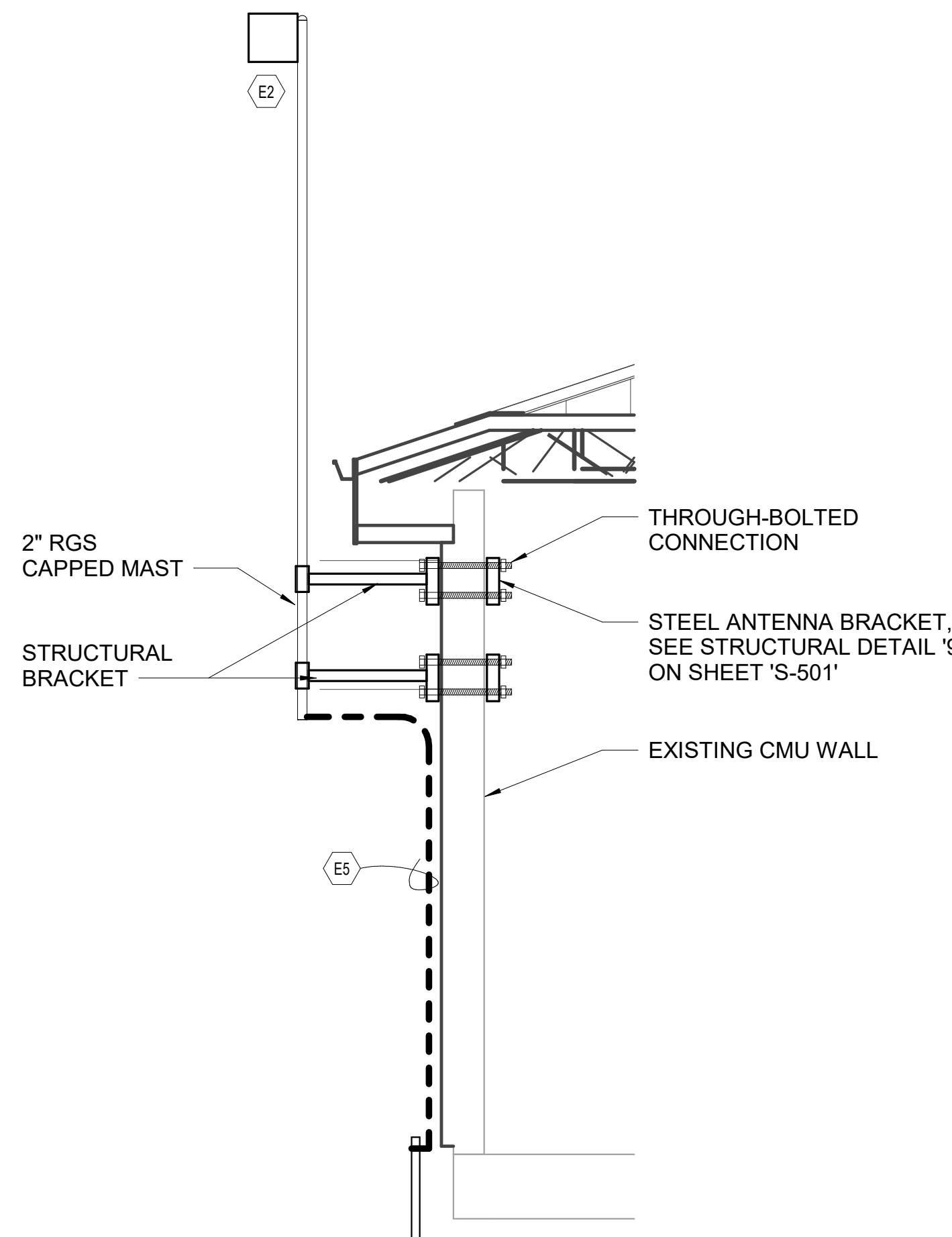
1 DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



2 NEW WORK PLAN
SCALE: 1/4" = 1'-0"

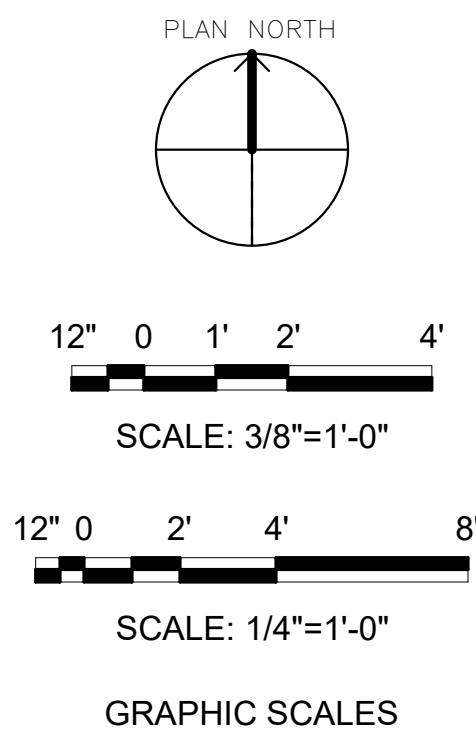


3 LIGHTNING PROTECTION PLAN
SCALE: 1/4" = 1'-0"



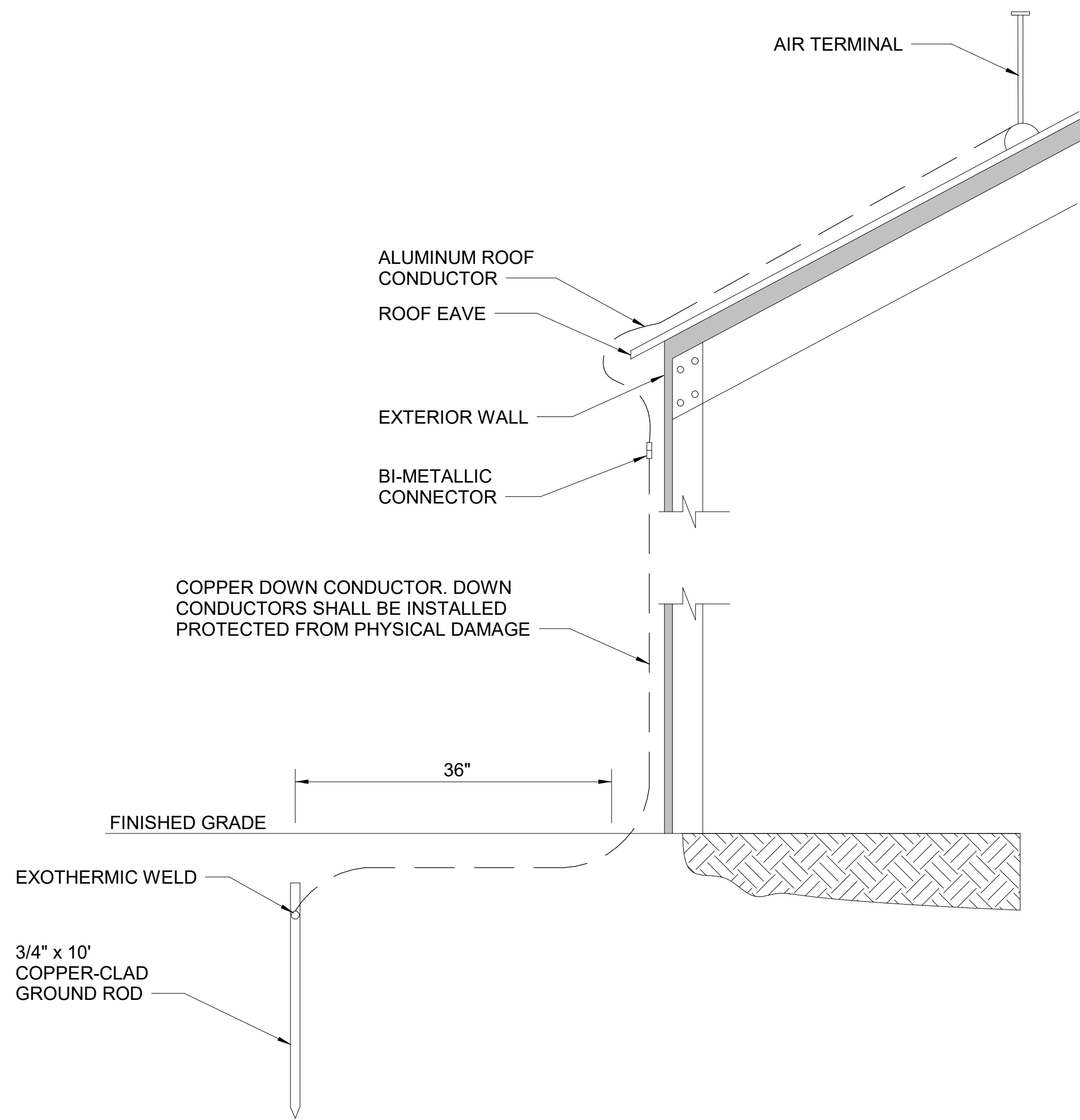
4 RELOCATED ANTENNA MOUNT DETAIL
SCALE: 3/8" = 1'-0"

EQUIPMENT SCHEDULE		
EQUIPMENT	FEEDER	DISCONNECT
EF-1,2,3	2#12, #12G, 3/4"C	20A MOTOR RATED SWITCH

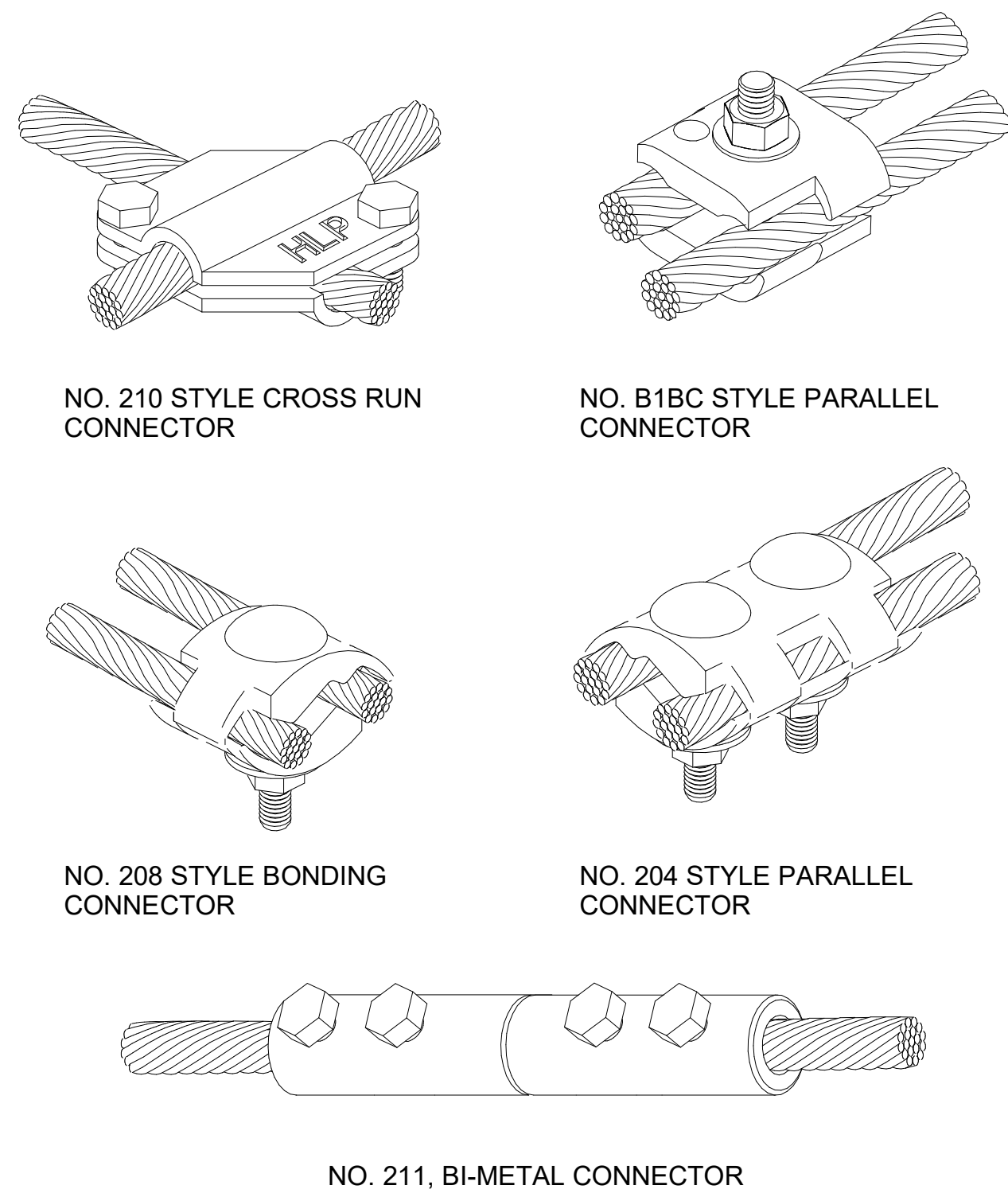


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NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO. 28692	CEMS + E-101	
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY C. COOPER	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND REPAIR BUILDING 1103 (BE2054M)	
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY H. BONGIORNO	REPAIR BUILDING 1103 (BE2054M)	
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR J. BONGIORNO	FLOOR PLANS	
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED DATE	SIZE F	CODE IDENT. NO. NAVFAC DRAWING NO.
	PUBLIC WORKS OFFICER	HQMC PROJ. NO. CONSTR. CONTR. NO.: N40085-17-B-0019	SCALE: As indicated MACC. T.O. # SHEET 18 OF 19

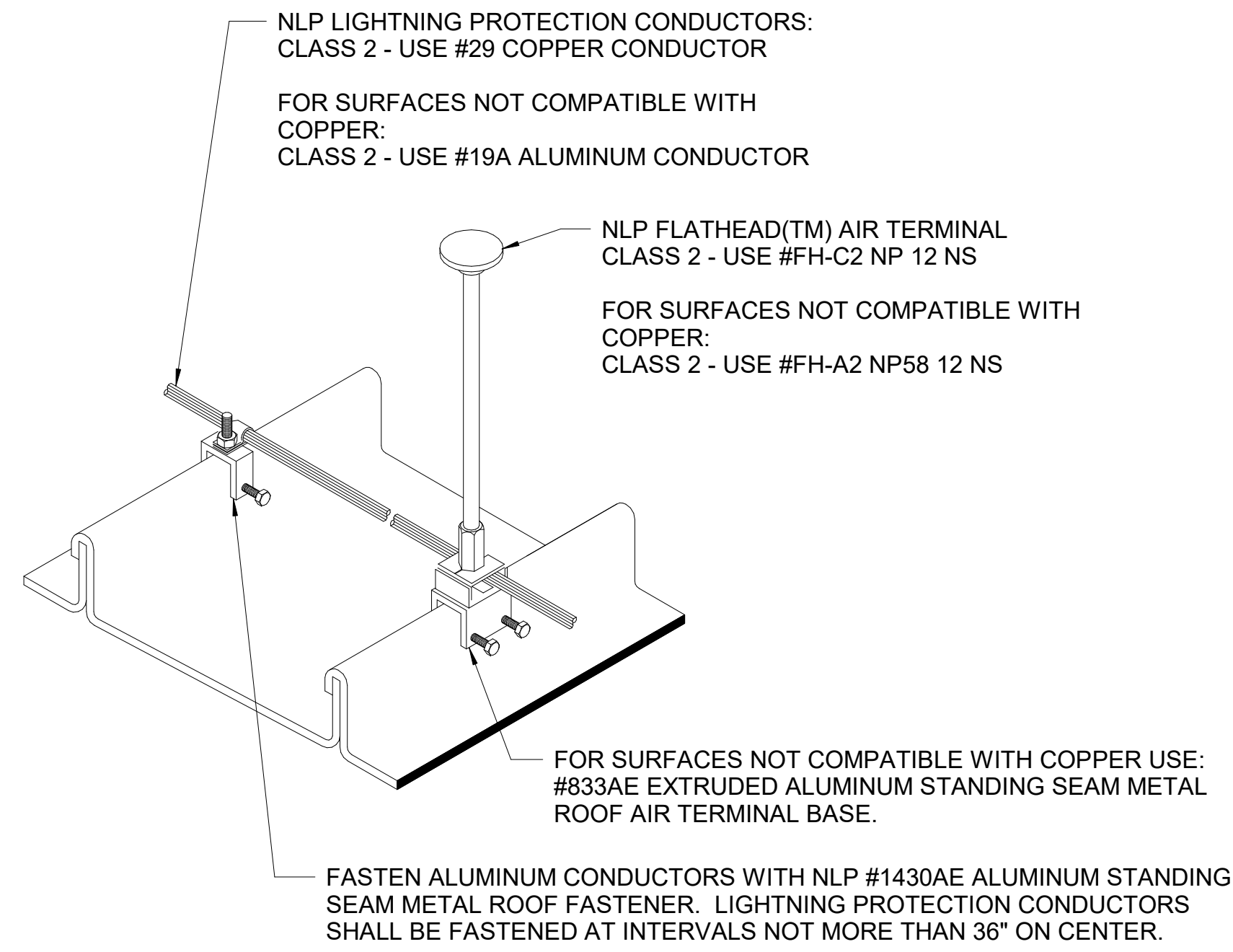
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1 ROOF CONNECTION DOWN LEAD TO GROUND ROD CONNECTIONS
SCALE: NOT TO SCALE

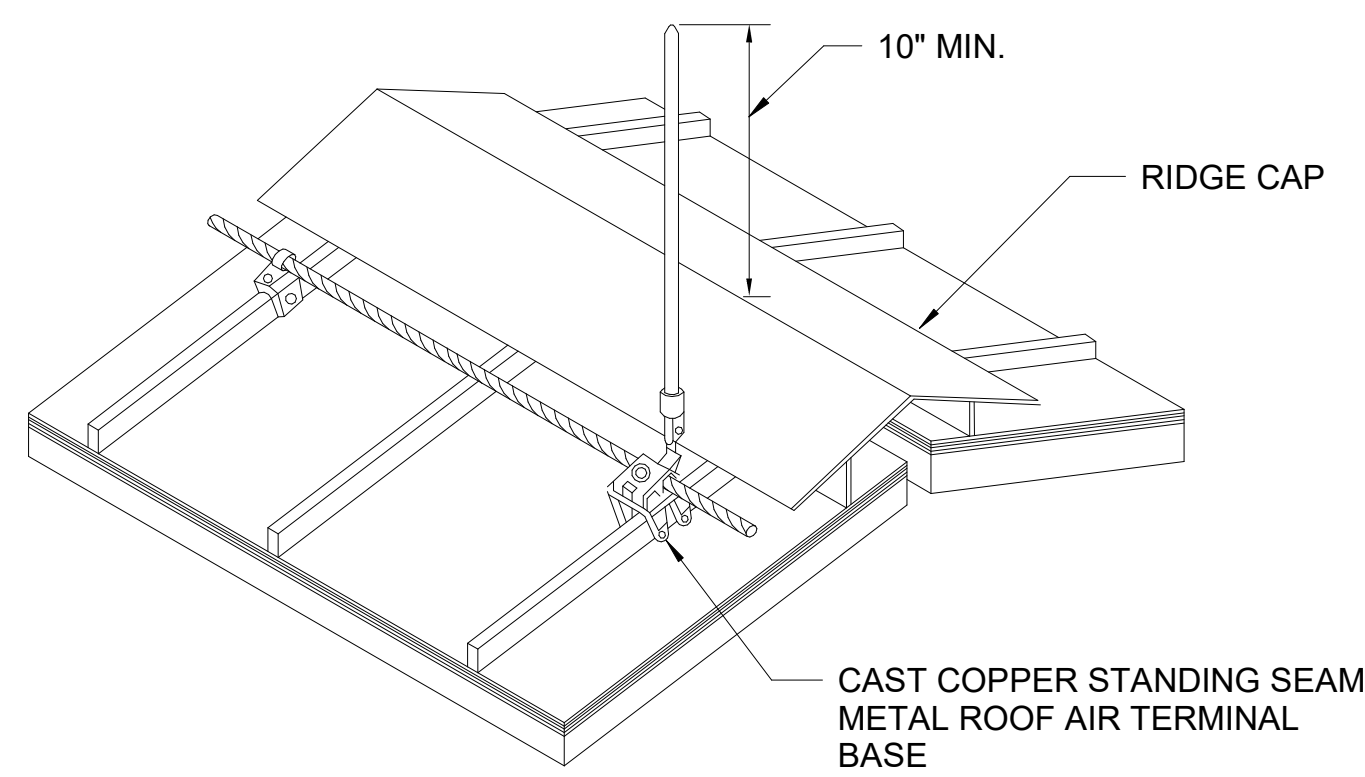


2 TYPICAL CABLE CONNECTIONS
SCALE: NOT TO SCALE

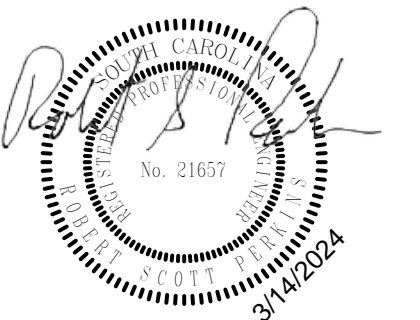


- NOTES:
1. AIR TERMINAL SPACING SHALL CONFORM TO NFPA 780 & UL 96A REQUIREMENTS.
 2. MATERIAL COMPATIBILITY SHALL CONFORM TO NFPA 780 AND 96A REQUIREMENTS.
 3. MATERIAL CLSS SHALL CONFORM TO NFPA 780 AND UL 96A REQUIREMENTS.
 4. AIR TERMINALS SHALL BE UL LISTED AND CAL-OSHA

3 STANDING SEAM ROOF AIR TERMINAL DETAIL
SCALE: NOT TO SCALE



4 TYPICAL STANDING SEAM BASE FOR RIDGE CAP MOUNT DETAIL
SCALE: NOT TO SCALE



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SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY C. COOPER	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND BEAUFORT, S.C. MARINE CORPS AIR STATION	
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY H. BONGIORNO	REPAIR BUILDING 1103 (BE2054M)	
PHYSICAL SECURITY SATISFACTORY TO DATE	SUPERVISOR J. BONGIORNO	LIGHTNING PROTECTION DETAILS	
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	APPROVED DATE	SIZE F	CODE IDENT. NO. N A V F A C DRAWING NO.
PUBLIC WORKS OFFICER		HQMC PROJ. NO.:	CONSTR. CONTR. NO.:N40085-17-B-0019
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