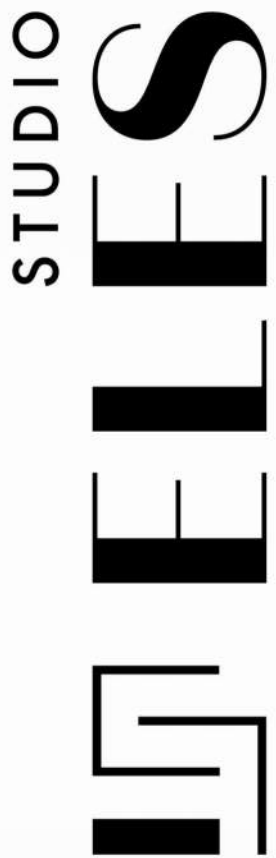


LYNN COUNTY HEALTHCARE SYSTEM

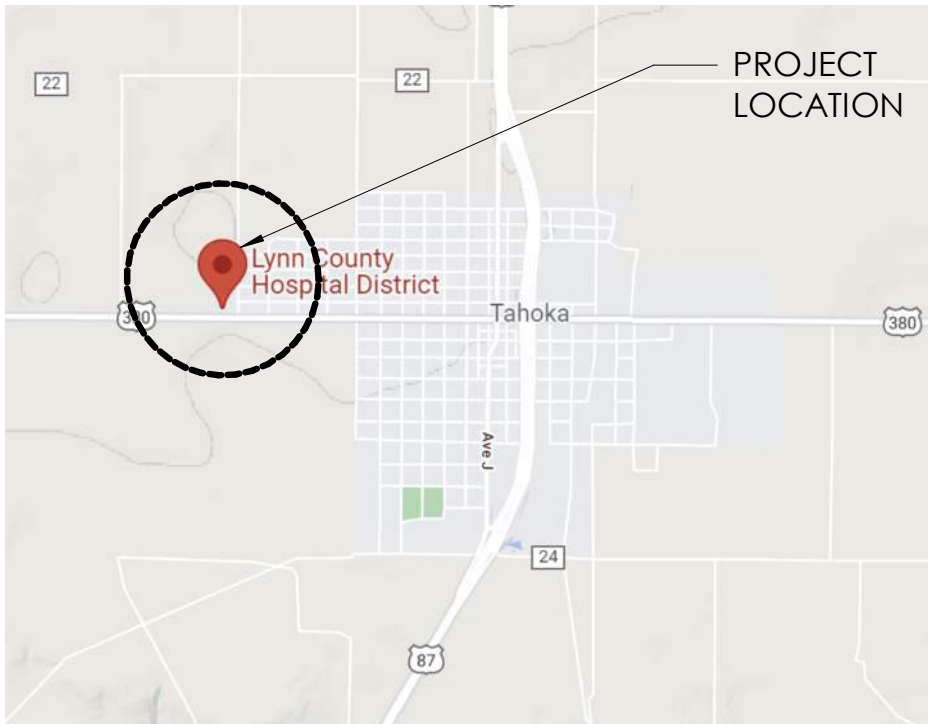
ELECTRICAL UPGRADE

2600 LOCKWOOD ST.
TAHOKA, TEXAS 79373



CONSTRUCTION DOCUMENTS

LOCATION MAP



PROJECT TEAM

<u>OWNER</u>	<u>MEP</u>
LYNN COUNTY HOSPITAL DISTRICT 2600 LOCKWOOD ST. TAHOKA, TEXAS 79373	AGNEW ASSOCIATES 5404 114TH STREET LUBBOCK, TEXAS 79424
P: (806) 998-4533	P: (806) 799-0753
CONTACT: MELANIE A. RICHBURG	CONTACT: REESE WRIGHT
<u>ARCHITECT</u>	<u>STRUCTURAL</u>
STUDIO ELES 4926 SPICEWOOD RD. STE. 101 AUSTIN, TX 78759	DCI 515 SOUTH CONGRESS AVENUE, SUITE 600 AUSTIN, TX ZIP 78704
P: (210) 380-8622	P: (512) 472-9797
CONTACT: JEFF LANGHAM, AIA	CONTACT: FRANCISCO TERAN

DRAWING INDEX

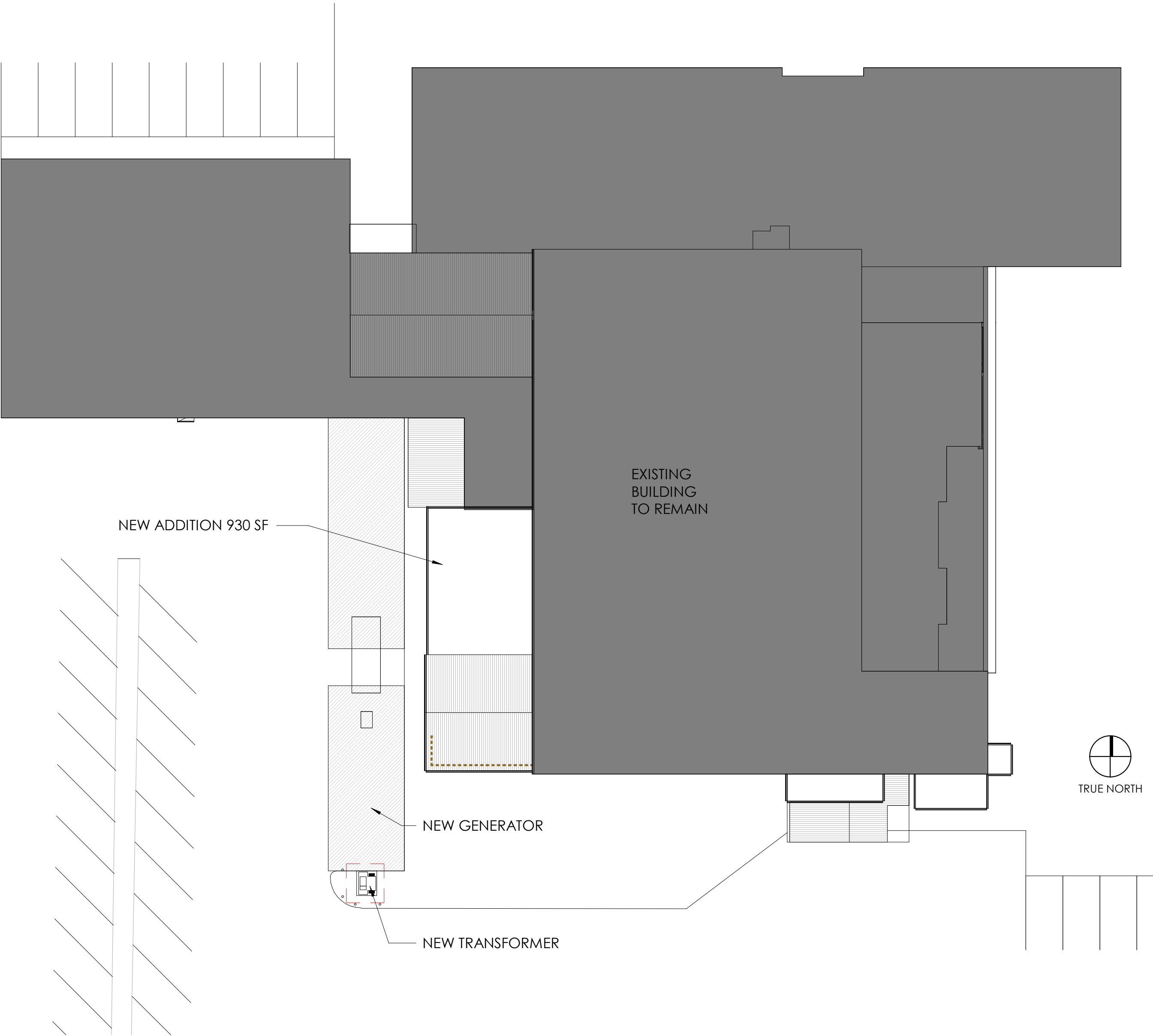
GENERAL	COV G0.1	COVER CODE SUMMARY
STRUCTURAL	S0.0 S0.1 S0.2 S0.3 S1.0 S2.0 S2.1 S3.0 S3.1 S4.0 S4.1 S5.0 S5.1 S6.0	GENERAL NOTES, LEGENDS AND ABBREVIATIONS GENERAL NOTES GENERAL NOTES GENERAL NOTES OVERALL PLAN PHASE 1 - FOUNDATION AND STUD AND SHEAR WALL PLAN PHASE 2 - FOUNDATION AND STUD AND SHEAR WALL PLAN PHASE 1 - FRAMING PLAN PHASE 2 - FRAMING PLAN TYPICAL FOUNDATION DETAILS FOUNDATION DETAILS TYPICAL LIGHT GAUGE DETAILS TYPICAL LIGHT GAUGE DETAILS FRAMING DETAILS
ARCHITECTURE	A1.0 A1.1 A2.0 A2.1 A2.2 A2.3 A2.4 A4.0 A5.1 A6.1 A6.2 A6.3 A6.4 A6.5 A6.6 A8.0	ARCHITECTURAL SITE PLAN DEMOLITION ROOF PLAN WALL TYPES & EXTERIOR WALL DETAILS FLOOR PLAN ROOF PLAN ENLARGED PLAN DETAIL FLOOR & ROOF PLAN - PHASE 2 REFLECTED CEILING PLAN EXTERIOR ELEVATION - PHASE 2 BUILDING SECTIONS ENLARGED ELEVATIONS, WALL SECTIONS & DETAILS ENLARGED ELEVATIONS, WALL SECTIONS & DETAILS ENLARGED ELEVATIONS, WALL SECTIONS & DETAILS BUILDING SECTION - PHASE 2 WALL SECTIONS & DETAILS - PHASE 2 DOOR SCHEDULE
MECHANICAL	M0.10	FLOOR PLAN - MECHANICAL
ELECTRICAL	E0.10 E0.20 E0.30 E0.40 E0.50 E0.60 E0.61 E0.62 E0.63 E0.64 E0.65 E0.66 E0.67 E0.68 E1.10 E2.10 E2.20 E2.30	ELECTRICAL LEGEND & SCHEDULES ELECTRICAL DETAILS EXISTING BUILDING ELECTRICAL RISER EXISTING BUILDING ELECTRICAL RISER ELECTRICAL ONE LINE DIAGRAM ELECTRICAL SCHEDULES ELECTRICAL SCHEDULES ELECTRICAL SCHEDULES ELECTRICAL SCHEDULES ELECTRICAL SCHEDULES ELECTRICAL SCHEDULES ELECTRICAL SCHEDULES ELECTRICAL SCHEDULES ELECTRICAL SCHEDULES ELECTRICAL SITE PLAN OVERALL FLOOR PLAN - ELECTRICAL ROOF PLAN ELECTRICAL ENLARGED ELECTRICAL ROOM PLANS

PROJECT INFORMATION

OCCUPANCY CLASSIFICATION
BUSINESS: GROUP B (IBC SECTION 304.1)

CONSTRUCTION TYPE:
TYPE: 2B, NON-PROTECTED NON-COMBUSTIBLE,
FULLY SPRINKLERED

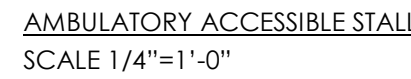
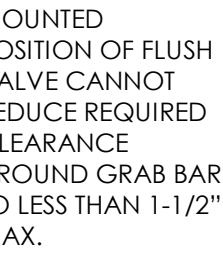
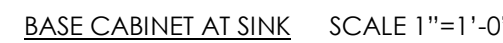
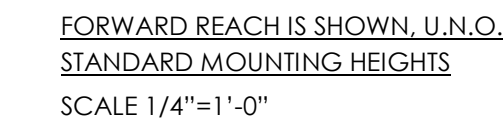
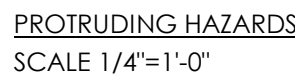
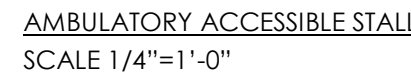
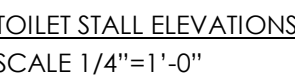
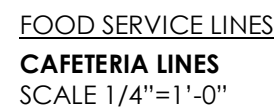
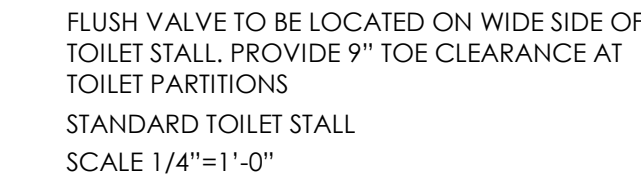
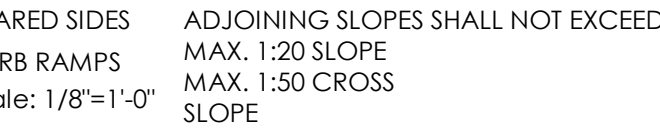
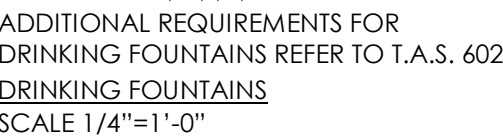
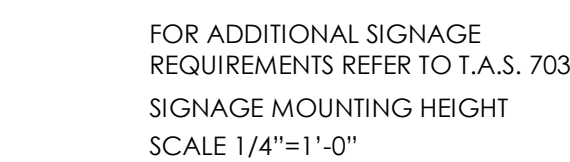
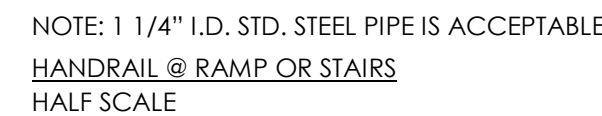
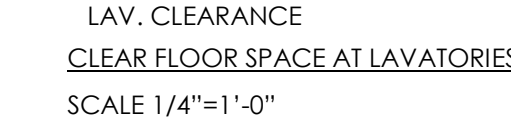
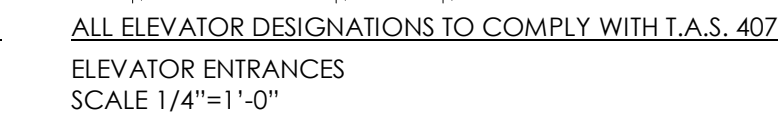
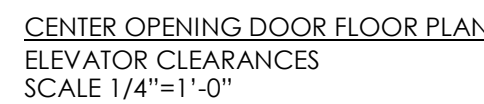
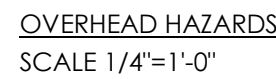
TOTAL SF: 930 SF ADDITION



2015	INTERNATIONAL BUILDING CODE - LOCAL AMENDEMENTS
2015	INTERNATIONAL ENERGY CODE - LOCAL AMENDEMENTS
2015	INTERNATIONAL FIRE CODE - LOCAL AMENDEMENTS
2015	UNIFORM MECHANICAL CODE (UMC) - LOCAL AMENDEMENTS
2015	UNIFORM PLUMBING CODE (UPC) - LOCAL AMENDEMENTS
2017	NATIONAL ELECTRICAL CODE - LOCAL AMENDEMENTS

A top-down line drawing of a car is positioned on the left side of a rectangular area. The area is divided into two horizontal sections. The top section is shaded gray and labeled "STRIPED AREA" with a dashed line indicating its extent. The bottom section is white. To the right of the car, there are two vertical dimension lines. The first is labeled "ACCESS AISLES TO EXTEND" and the second is labeled "FULL LENGTH OF PARKING SPACE".

PARKING SPACE DIMENSIONS
Scale: 1/8"=1'-0"



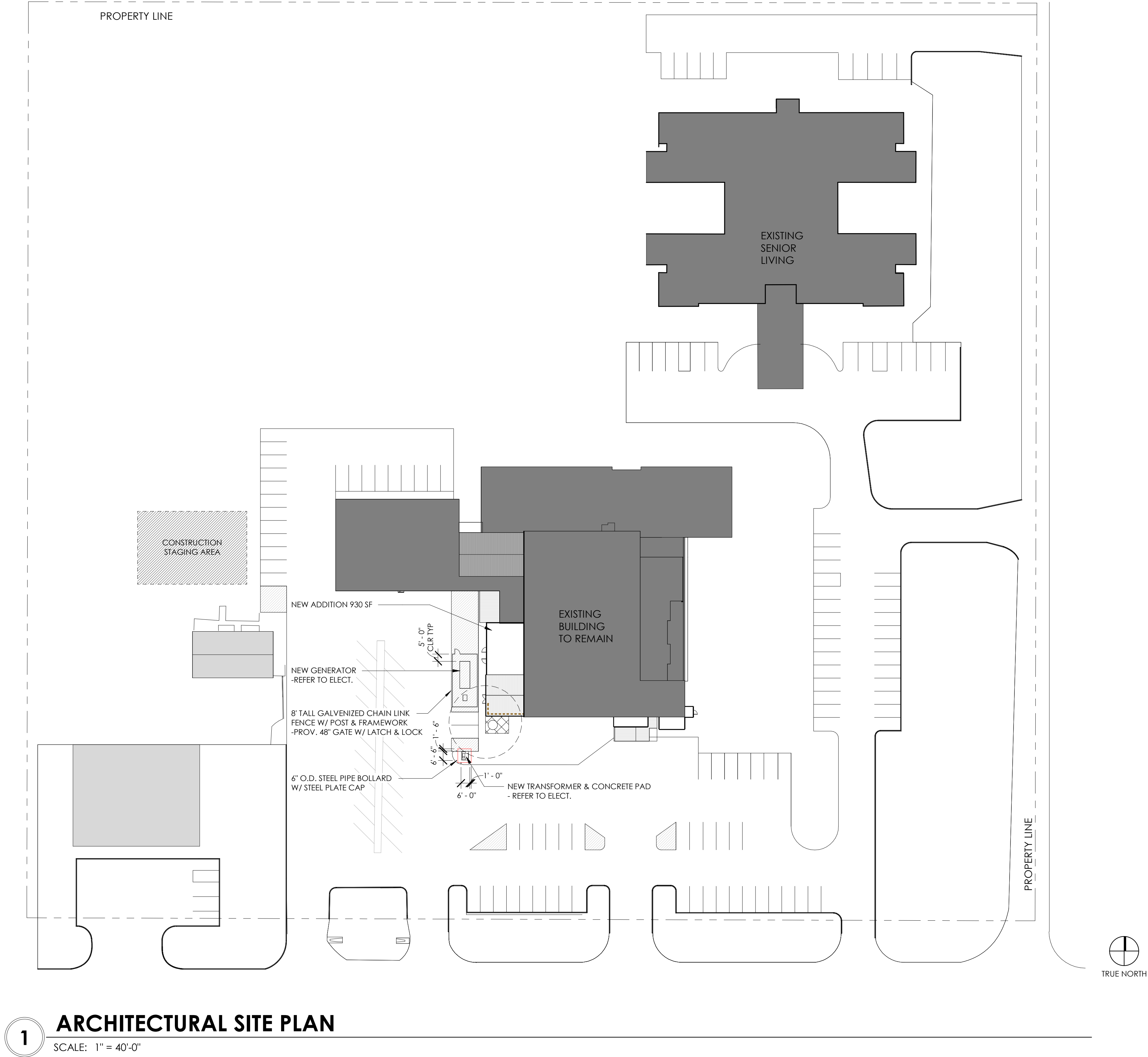
308.1 General. Reach ranges shall comply with 308.

Advisory 308.1 General. The following table provides guidance on reach ranges for children/furniture designed for use primarily by children. These dimensions apply to either forward or side reaches. Accessible elements and operable parts designed for adult use or children over age 12 can be located outside these ranges but must not be used for adult reach ranges required by 308.

Children's Reach Ranges

Forward or Side Reach	Ag 3s and 4	Ag 5s through 8	Ag 9s through 12
High (maximum)	36 in (915 mm)	48 in (1015 mm)	44 in (1120 mm)
Low (minimum)	20 in (510 mm)	18 in (455 mm)	16 in (405 mm)

1. NOTIFY ARCHITECT IF CONFLICTS ARE DISCOVERED BETWEEN TYPICAL ACCESSIBILITY DETAILS AND OTHER DETAILS SHOWN ELSEWHERE.
2. INFORMATION ON THIS SHEET IS THE MINIMUM REQUIRED TO PROVIDE ACCESSIBILITY AND DOES NOT ADDRESS COMPLIANCE WITH OTHER CODES OR STANDARDS. ALL INFORMATION SHOWN DOES NOT NECESSARILY APPLY TO THIS PROJECT.
3. ALL DIMENSIONS GIVEN ARE TO THE FINISHED FACE. CONTRACTOR TO MAKE ALLOWANCES FOR THICKNESS OF FINISHES SPECIFIED.
4. DOOR HARDWARE (& CLOSER) REQUIREMENTS ARE LISTED IN SPECIFICATIONS.
5. MAXIMUM CARPET PILE THICKNESS SHALL BE 1/2 INCH.



01.00.00 GENERAL REQUIREMENTS

1.

GOVERNING CODE: THE DESIGN AND CONSTRUCTION OF THIS PROJECT IS GOVERNED BY THE "INTERNATIONAL BUILDING CODE (IBC)," 2018 EDITION, HEREAFTER REFERRED TO AS THE IBC, AS ADOPTED AND MODIFIED BY THE CITY OF TAHOKA, TX UNDERSTOOD TO BE THE AUTHORITY HAVING JURISDICTION (AHJ).
2.

REFERENCE STANDARDS: REFER TO CHAPTER 35 OF THE 2018 IBC. WHERE OTHER STANDARDS ARE NOTED IN THE DRAWINGS, USE THE LATEST EDITION OF THE STANDARD UNLESS A SPECIFIC DATE IS INDICATED. REFERENCE TO A SPECIFIC SECTION IN A CODE DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE ENTIRE STANDARD.
3.

DEFINITIONS: THE FOLLOWING DEFINITIONS COVER THE MEANINGS OF CERTAIN TERMS USED IN THESE NOTES:

3.1.

"ARCHITECT/ENGINEER" - THE ARCHITECT OF RECORD AND THE STRUCTURAL ENGINEER OF RECORD.

3.2.

"STRUCTURAL ENGINEER OF RECORD" (SER) - THE STRUCTURAL ENGINEER WHO IS LICENSED TO STAMP AND SIGN THE STRUCTURAL DOCUMENTS FOR THE PROJECT. THE SER IS RESPONSIBLE FOR THE DESIGN OF THE PRIMARY STRUCTURAL SYSTEM.

3.3.

"SUBMIT FOR REVIEW" - SUBMIT TO THE ARCHITECT/SER FOR REVIEW PRIOR TO FABRICATION OR CONSTRUCTION.

3.4.

"PER PLAN" - INDICATES REFERENCES TO THE STRUCTURAL PLANS, ELEVATIONS, AND STRUCTURAL GENERAL NOTES.

3.5.

"SPECIALTY STRUCTURAL ENGINEER" (SSE) - A PROFESSIONAL ENGINEER (PE OR SE), LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED (TYPICALLY NOT THE SER), WHO PERFORMS SPECIALTY STRUCTURAL ENGINEERING SERVICES FOR SELECTED SPECIALTY-ENGINEERED ELEMENTS IDENTIFIED IN THE CONTRACT DOCUMENTS AND WHO HAS EXPERIENCE AND TRAINING IN THE SPECIALTY. DOCUMENTS STAMPED AND SIGNED BY THE SSE SHALL BE COMPLETED BY, OR UNDER, THE DIRECT SUPERVISION OF THE SSE.

3.6.

"BIDDER-DESIGNED" - COMPONENTS OF THE STRUCTURE THAT REQUIRE THE GENERAL CONTRACTOR, SUBCONTRACTOR, OR SUPPLIER WHO IS RESPONSIBLE FOR THE DESIGN, FABRICATION, AND INSTALLATION OF SPECIALTY-ENGINEERED ELEMENTS IDENTIFIED IN THE CONTRACT DOCUMENTS TO RETAIN THE SERVICES OF AN SSE. SUBMITTALS OF "BIDDER-DESIGNED" ELEMENTS SHALL BE STAMPED AND SIGNED BY THE SSE.
4.

SPECIFICATIONS: REFER TO THE PROJECT SPECIFICATIONS ISSUED AS PART OF THE CONTRACT DOCUMENTS FOR INFORMATION SUPPLEMENTAL TO THESE DRAWINGS.
5.

OTHER DRAWINGS: REFER TO THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, CIVIL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION INCLUDING, BUT NOT LIMITED TO, DIMENSIONS, ELEVATIONS, SLOPES, DOOR AND WINDOW OPENINGS, NON-BEARING WALLS, STAIRS, FINISHES, DRAINS, WATERPROOFING, RAILINGS, CURTAIN WALLS, ELEVATORS, CURBS, DEPRESSIONS, MECHANICAL UNIT LOCATIONS, AND OTHER NON-STRUCTURAL ITEMS.
6.

STRUCTURAL DETAILS: THE STRUCTURAL DRAWINGS ARE INTENDED TO SHOW THE GENERAL CHARACTER AND EXTENT OF THE PROJECT AND ARE NOT INTENDED TO SHOW ALL DETAILS OF THE WORK. USE ENTIRE DETAIL SHEETS AND SPECIFIC DETAILS REFERENCED IN THE PLANS AS "TYPICAL" WHEREVER THEY APPLY. SIMILARLY, USE DETAILS ON ENTIRE SHEETS WITH "TYPICAL" IN THE NAME WHEREVER THEY APPLY.
7.

STRUCTURAL RESPONSIBILITIES: THE SER IS RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE PRIMARY STRUCTURE IN ITS COMPLETED FORM.
8.

COORDINATION: THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING DETAILS AND ACCURACY OF THE WORK, CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES, TECHNIQUES OF ASSEMBLY, AND PERFORMING WORK IN A SAFE AND SECURE MANNER.
9.

MEANS, METHODS, AND SAFETY REQUIREMENTS: THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND ALL JOB-RELATED SAFETY STANDARDS SUCH AS OSHA AND DOSH (DEPARTMENT OF OCCUPATIONAL SAFETY AND HEALTH). THE CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION RELATED TO THE INTERMEDIATE STRUCTURAL CONDITIONS (I.E., MOVEMENT OF THE STRUCTURE DUE TO MOISTURE AND THERMAL EFFECTS, CONSTRUCTION SEQUENCE, TEMPORARY BRACING, ETC.).
10.

TEMPORARY SHORING, BRACING: THE CONTRACTOR IS RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION AND SHALL PROVIDE TEMPORARY SHORING, BRACING, AND OTHER ELEMENTS REQUIRED TO MAINTAIN STABILITY UNTIL THE STRUCTURE IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH THE WORK REQUIRED IN THE CONSTRUCTION DOCUMENTS AND THE REQUIREMENTS FOR EXECUTING IT PROPERLY.
11.

CONSTRUCTION LOADS: LOADS ON THE STRUCTURE DURING CONSTRUCTION SHALL NOT EXCEED THE DESIGN LOADS AS NOTED IN DESIGN CRITERIA AND LOADS SECTION OF THESE GENERAL NOTES OR THE CAPACITY OF PARTIALLY COMPLETED CONSTRUCTION AS DETERMINED BY THE CONTRACTOR'S SSE FOR BRACING/SHORING.
12.

CHANGES IN LOADING: THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY THE SER OF ANY ARCHITECTURAL, MECHANICAL, ELECTRICAL, OR PLUMBING LOAD IMPOSED ONTO THE STRUCTURE THAT DIFFERS FROM, OR THAT IS NOT DOCUMENTED ON, THE ORIGINAL CONTRACT DOCUMENTS (ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, OR PLUMBING DRAWINGS). PROVIDE DOCUMENTATION OF THE LOCATION, LOAD, SIZE, AND ANCHORAGE OF ALL UNDOCUMENTED LOADS IN EXCESS OF 400 LB. PROVIDE MARKED-UP STRUCTURAL PLANS INDICATING THE LOCATIONS OF ANY NEW EQUIPMENT OR LOADS. SUBMIT THESE PLANS TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
13.

NOTE PRIORITIES: PLAN AND DETAIL NOTES AND SPECIFIC LOADING DATA PROVIDED ON INDIVIDUAL PLANS AND DETAIL DRAWINGS SUPPLEMENTS INFORMATION IN THESE GENERAL NOTES.
14.

DISCREPANCIES: IN CASE OF DISCREPANCIES BETWEEN THE GENERAL NOTES, SPECIFICATIONS, PLANS/DETAILS, OR REFERENCE STANDARDS, THE ARCHITECT/ENGINEER SHALL DETERMINE WHICH SHALL GOVERN. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK. SHOULD ANY DISCREPANCY BE FOUND IN THE CONTRACT DOCUMENTS, THE CONTRACTOR WILL BE DEEMED TO HAVE INCLUDED IN THE PRICE THE MOST EXPENSIVE WAY OF COMPLETING THE WORK UNLESS PRIOR TO THE SUBMISSION OF THE PRICE, THE CONTRACTOR ASKS FOR A DECISION FROM THE ARCHITECT AS TO WHICH SHALL GOVERN. ACCORDINGLY, ANY CONFLICT IN OR BETWEEN THE CONTRACT DOCUMENTS SHALL NOT BE A BASIS FOR ADJUSTMENT IN THE CONTRACT PRICE.
15.

SITE VERIFICATION: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE. CONFLICTS BETWEEN THE DRAWINGS AND ACTUAL SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
16.

ADJACENT UTILITIES: THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL ADJACENT UNDERGROUND UTILITIES PRIOR TO EARTHWORK, FOUNDATION WORK, SHORING AND EXCAVATION. ANY UTILITY INFORMATION SHOWN ON THE DRAWINGS AND DETAILS IS APPROXIMATE AND NOT NECESSARILY COMPLETE.
17.

ALTERNATES: ALTERNATE PRODUCTS OF SIMILAR STRENGTH, NATURE, AND FORM FOR SPECIFIED ITEMS MAY BE SUBMITTED WITH ADEQUATE TECHNICAL DOCUMENTATION (PROPER TEST REPORT, ETC.), TO THE ARCHITECT/ENGINEER FOR REVIEW. ALTERNATE MATERIALS THAT ARE SUBMITTED WITHOUT ADEQUATE TECHNICAL DOCUMENTATION OR THAT SIGNIFICANTLY DEVIATE FROM THE DESIGN INTENT OF MATERIALS SPECIFIED MAY BE RETURNED WITHOUT REVIEW. ALTERNATES THAT REQUIRE SUBSTANTIAL EFFORT TO REVIEW WILL NOT BE REVIEWED UNLESS AUTHORIZED BY THE OWNER.

01.10.00 DESIGN CRITERIA AND LOADS

1.

OCCUPANCY:

RISK CATEGORY OF BUILDING PER IBC TABLE 1604.5

IV
2.

WIND DESIGN: MAIN WIND FORCE RESISTING SYSTEM:

ULTIMATE DESIGN WIND SPEED, V_{ULT}

118 MPH

EXPOSURE CATEGORY

C

INTERNAL PRESSURE COEFFICIENT, C_{pi}

±0.18

TOPOGRAPHIC FACTOR, K_{zt}

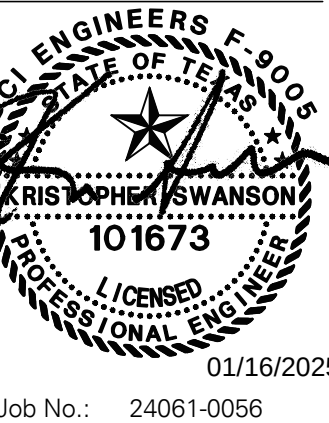
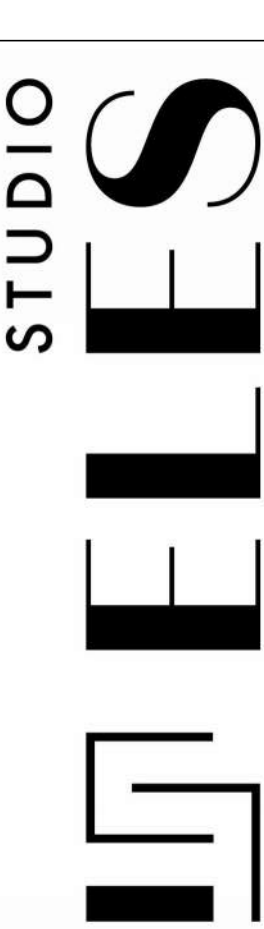
1.0

WIND ANALYSIS PROCEDURE USED

DIRECTIONAL | ENVELOPE | WIND TUNNEL

DRAWING LEGEND			
MARK	DESCRIPTION	MARK	DESCRIPTION
F2.0	FOOTING SYMBOL (REFER TO SPREAD FOOTING SCHEDULE)	I	INDICATES WIDE FLANGE COLUMN
	PILE CAP SYMBOL (REFER TO PILE CAP SCHEDULE)		INDICATES HOLLOW STRUCTURAL SECTION (HSS) COLUMN OR TUBE STEEL (TS) COLUMN
	TILT-UP/PRECAST CONCRETE WALL CONNECTION SYMBOL (REFER TO CONNECTION DETAIL)		INDICATES HOLLOW STRUCTURAL SECTION (HSS) COLUMN OR STEEL PIPE COLUMN
2W4	SHEAR WALL SYMBOL (REFER TO SHEAR WALL SCHEDULE)		INDICATES WOOD POST
 RFI 00	REVISION TRIANGLE		INDICATES BUNDLED STUDS
	TILT-UP/PRECAST CONCRETE WALL PANEL NUMBER (REFER TO TILT-UP/PRECAST CONCRETE WALL ELEVATIONS)		INDICATES CONCRETE COLUMN
	CMU WALL REINFORCING SYMBOL (REFER TO CMU WALL REINFORCING SCHEDULE)		INDICATES PRECAST CONCRETE COLUMN
	CONTINUITY PLATE LENGTH (REFER TO TYPICAL DETAIL)		INDICATES MOMENT FRAME CONNECTION
	INDICATES DOUBLE SHEAR CONNECTION (REFER TO THE DOUBLE SHEAR PLATE CONNECTIONS DETAIL)		INDICATES PARTIALLY RESTRAINED MOMENT FRAME CONNECTION
	INDICATES REINFORCING TYPE (REFER TO THE REINFORCING SCHEDULE)		INDICATES CANTILEVER CONNECTION
	INDICATES NUMBER OF STUD RAIL REQUIRED AT COLUMN (REFER TO STUD RAIL DETAILS)		INDICATES DRAG CONNECTION
	ROOF/FLOOR DIAPHRAGM NAILING SYMBOL (REFER TO DIAPHRAGM NAILING SCHEDULE)		INDICATES A LEDGER
 COLUMN SIZE	STEEL/CONCRETE COLUMN SYMBOL (REFER TO STEEL COLUMN SCHEDULE)		INDICATES WOOD OR STEEL STUD BEARING WALL LINE PER KEY ON SHEET
	ELEVATION SYMBOL (T/ REFERS TO COMPONENT THAT THE ELEVATION REFERENCES)		INDICATES WOOD OR STEEL STUD SHEAR WALL LINE AND HOLD-DOWNS PER KEY ON SHEET
	STUD BUBBLE INDICATES NUMBER OF STUDS REQUIRED IF EXCEEDS NUMBER SPECIFIED IN PLAN NOTE)		INDICATES MASONRY/CMU WALL
	INDICATES STEP IN FOOTING (REFER TO TYPICAL STEP IN FOOTING DETAIL)		INDICATES CONCRETE/TILT-UP CONCRETE WALL
	DETAILS OR SECTION CUT (DETAIL NUMBER/SHEET NUMBER)		INDICATES BEARING WALL BELOW
	DETAILS OR SECTION CUT IN PLAN VIEW (DETAIL NUMBER/SHEET NUMBER)		INDICATES EXISTING WALL
	INDICATES LOCATION OF CONCRETE WALLS, SHEAR WALLS OR BRACED FRAME ELEVATIONS		POST-TENSION DEAD END (PLAN)
	STRUCTURAL EXTENT SYMBOL SINGLE ARROW - END OF EXTENT DOUBLE ARROW - CONTINUOUS EXTENT ALONG THE ELEMENT LINE UNTIL THE ELEMENT IS INTERRUPTED		POST-TENSION STRESSING END (PLAN)
			POST-TENSION PROFILE (PLAN) (IN INCHES)
	INDICATES DIRECTION OF DECK SPAN		INTERMEDIATE STRESSING (PLAN)

ABBREVIATIONS			
L	Angle	EXCAV	Excavation
AB	Anchor Bolt	FB	Factory-Built
ADDL	Additional	FD	Floor Drain
ADH	Adhesive	FDN	Foundation
ALT	Alternate	FIN	Finish
ARCH	Architectural	FLR	Floor
B or BOT	Bottom	FRP	Fiberglass Reinforced Plastic
B/	Bottom Of	FRT	Fire Retardant Treated
BLDG	Building	FTG	Footing
BLKG	Blocking	F/	Face of
BMU	Brick Masonry Unit	GA	Gage
BP	Baseplate	GALV	Galvanized
BRBF	Buckling Restrained	GEOTECH	Geotechnical
	Braced Frame	GL	Glue Laminated Timber
BRG	Bearing	GWB	Gypsum Wall Board
BTWN	Between	HDR	Header
C	Camber	HF	Hem-Fir
CB	Castellated Beam	HGR	Hanger
C'BORE	Counterbore	HD	Hold-down
CL or	Centerline	HORIZ	Horizontal
CLT	Cross-Laminated Timber	HP	High Point
CIP	Cast in Place	HSS = TS	(Hollow Structural Section)
CFS	Cold Formed Steel	IBC	International Building Code
CJ	Construction or	ID	Inside Diameter
	Control Joint	IE	Invert Elevation
CJP	Complete Joint	IF	Inside Face
	Penetration	INT	Interior
		k	Kips
CLR	Clear	KSF	Kips Per Square Foot
CLG	Ceiling	LF	Lineal Foot
CMU	Concrete Masonry Unit	LL	Live Load
COL	Column	LLBB	Long Leg Back-to-Back
CONC	Concrete	LLH	Long Leg Horizontal
CONN	Connection	LLV	Long Leg Vertical
CONST	Construction	LP	Low Point
CONT	Continuous	LONGIT	Longitudinal
C'SINK	Countersink	LSL	Laminated Strand Lumber
CTRD	Centered	LVL	Laminated Veneer Lumber
DIA	Diameter	MAS	Masonry
DB	Drop Beam	MAX	Maximum
DBA	Double	MECH	Mechanical
DBL	Deformed Bar Anchor	MEP	Mechanical, Electrical,
DEMO	Demolish		Plumbing
DEV	Development	MEZZ	Mezzanine
DF	Douglas Fir	MFR	Manufacturer
DIAG	Diagonal	MIN	Minimum
DIST	Distributed	MISC	Miscellaneous
DL	Dead Load	NIC	Not In Contract
DN	Down	NLT	Nail-Laminated Timber
DO	Ditto	NTS	Not To Scale
DP	Depth/Deep	OC	On Center
DWG	Drawing	OCBF	Ordinary Concentric Braced
(E)	Each		Frame
EA	Each	OD	Outside Diameter
EF	Each Face	OF	Outside Face
EL	Elevation	OPNG	Opening
ELEC	Electrical	OPP	Opposite
ELEV	Elevator	OWSJ	Open Web Steel Joist
EMBED	Embedment	OWWJ	Open Web Wood Joist
EQ	Equal	PL	Plate
EQUIP	Equipment	PAF	Powder Actuated Fastener
EW	Each Way	PC	Precast
EXP	Expansion	PERP	Perpendicular
EXP JT	Expansion Joint	PJP	Partial Joint Penetration
EXT	Exterior		
		PLF	Pounds Per Linear Foot
		PLVD	Plywood
		PREFAB	Prefabricated
		PSF	Pounds per Square Foot
		PSI	Pounds Per Square Inch
		PSL	Parallel Strand Lumber
		P-T	Post-Tensioned
		PT	Pressure Treated
		R	Radius
		RD	Roof Drain
		REF	Refer/Reference
		REINF	Reinforcing
		REQD	Required
		RET	Retaining
		SB	Site-Built
		SCBF	Special Concentric
			Braced Frame
		SCHED	Schedule
		SER	Structural Engineer of
			Record
		SFRS	Seismic Force-
			Resisting System
		SHTHG	Sheathing
		SIM	Similar
		SLBB	Short Leg Back-to-Back
		SMF	Special Moment Frame
		SOG	Slab on Grade
		SP	Southern Pine
		SPEC	Specification
		SQ	Square
		SR	Stair
		SF	Square Foot
		SST	Stainless Steel
		STAGG	Stagger/Staggered
		STD	Standard
		STIFF	Stiffener
		STL	Steel
		STRUCT	Structural
		SWWJ	Solid Web Wood Joist
		SYM	Symmetrical
		T	Top
		T/	Top Of
		T&B	Top & Bottom
		TC AX LD	Top Chord Axial Load
		TCX	Top Chord Extension
		TDS	Tie Down System
		T&G	Tongue & Groove
		THKND	Thickened
		THRD	Threaded
		THRU	Through
		TRANSV	Transverse
		TYP	Typical
		UNO	Unless Noted Otherwise
		URM	Unreinforced Masonry
			Unit
		VERT	Vertical
		W	Wide
		W/	With
		W/O	Without
		WHS	Welded Headed Stud
		WP	Working Point
		WWF	Welded Wire Fabric
		±	Plus or Minus



LYNN COUNTY HEALTHCARE SYSTEM
ELECTRICAL UPGRADE
2600 LOCKWOOD ST.,
TAHOKA, TEXAS 79373

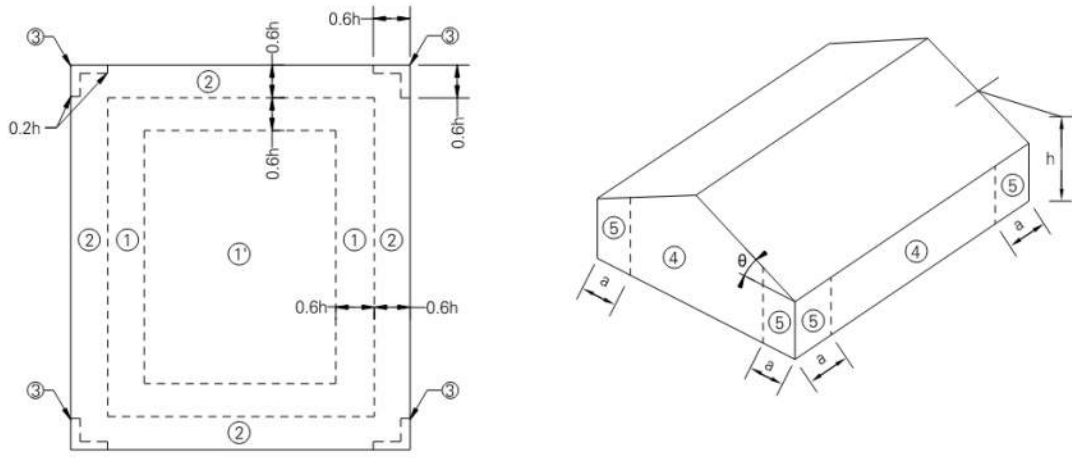
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11.14.2025

STRUCTURAL - GENERAL
NOTES, LEGENDS AND
ABBREVIATIONS

\$0.0

3. WIND DESIGN: COMPONENTS AND CLADDING (C&C) PRESSURES FOR DESIGN (PSF, ULTIMATE):



	PLAN	ISOMETRIC				
		EFFECTIVE WIND AREA (FT²)				
a = 3'-0"	10	20	50	100	500	
ZONE 1	-46 / +16	-16 / +16	-16 / +16	-16 / +16	-29 / +16	
ZONE 1'	-27 / +16	-27 / +16	-27 / +16	-27 / +16	-18 / +16	
ZONE 2	-61 / +16	-57 / +16	-52 / +16	-48 / +16	-39 / +16	
ZONE 3	-83 / +16	-143 / +16	-153 / +16	-161 / +16	-39 / +16	
ZONE 4	-29 / +27	-28 / +26	-26 / +24	-25 / +23	-22 / +20	
ZONE 5	-36 / +27	-33 / +26	-30 / +24	-28 / +23	-22 / +20	

- COMPONENTS AND CLADDING WIND PRESSURES ARE BASED ON ASCE 7 CHAPTER 30 PART 1 "LOW-RISE BUILDINGS."
- COMPONENTS AND CLADDING ZONE LOCATIONS ARE BASED ON ASCE 7 FIGURE 30.3-2A FOR FLAT ROOFS.
- FOR PARAPETS AROUND THE PERIMETER OF THE ROOF EQUAL TO OR TALLER THAN 3', PRESSURES FROM ZONE 3 ARE TREATED AS ZONE 2.
- COMPONENTS AND CLADDING ZONE LOCATIONS ARE BASED ON ASCE 7 FIGURE 30.3-1 FOR WALLS.
- ALL PARAPET COMPONENTS AND CLADDING WIND PRESSURES SHALL BE DETERMINED THROUGH ASCE 7 FIGURE 30.6-2.

4. SEISMIC DESIGN:	
SEISMIC DESIGN CATEGORY, SDC	A
SITE CLASS PER IBC SECTION 1613.3.2 AND ASCE 7 CHAPTER 20	D
SEISMIC IMPORTANCE FACTOR PER ASCE 7 TABLE 1.5-2, I _s	1.0
SPECTRAL RESPONSE ACCELERATION (SHORT PERIOD), S _s	0.075 g
SPECTRAL RESPONSE ACCELERATION (1-SECOND PERIOD), S ₁	0.029 g
DESIGN RESPONSE ACCELERATION (SHORT PERIOD), S _{DS}	0.08 g
DESIGN RESPONSE ACCELERATION (SHORT PERIOD), S _{D1}	0.047 g
SEISMIC ANALYSIS PROCEDURE USED	EQUIVALENT LATERAL FORCE LINEAR DYNAMIC
BASIC STRUCTURAL SYSTEM	BEARING WALL SYSTEMS
SEISMIC FORCE RESISTING SYSTEM	LIGHT-FRAME (CFS) WALLS
RESPONSE MODIFICATION COEFFICIENT, R	6.5
OVERSTRENGTH FACTOR, Ω ₀	3
DEFLECTION AMPLIFICATION FACTOR, C _d	4

5. SNOW LOAD:	
FLAT ROOF SNOW LOAD, P_f	20 PSF [NOTE 5.1]
SNOW DRIFT LOADING REQUIRED BY AHJ?	YES
SNOW LOAD IMPORTANCE FACTOR, I_s	1.00 [NOTE 5.3]
GROUND SNOW LOAD, P_g	5 PSF
SNOW EXPOSURE FACTOR, C_e	0.9
THERMAL FACTOR, C_t	1.0

- SNOW LOAD IS UN-REDUCIBLE AND INCLUDES 5 PSF RAIN-ON-SNOW SURCHARGE WHERE GROUND SNOW LOAD IS 20 PSF OR LESS, BUT NOT ZERO, PER ASCE 7 SECTION 7.10.
- SNOW LOAD BASED ON ASCE FIGURE 7-1.
- SNOW LOAD IMPORTANCE FACTOR PER ASCE 7 TABLE 1.5-2.

6. DESIGN LIVE LOADS: SEE STRUCTURAL LOADING PLANS FOR AREA LOADS AND LINE LOADS. LOADS LISTED BELOW ARE FOR MISCELLANEOUS ITEMS.		
AREA	LIVE LOADS	
INTERIOR WALLS AND PARTITIONS	5 (APPLIED HORIZONTALLY)	
ROOFS	20 PSF (REDUCIBLE) OR 300 LB. SEE SECTION 1 FOR SNOW LOAD	

7. DEFLECTION LIMITS FOR SSE / BIDDER-DESIGNED ELEMENTS:		
VERTICAL [NOTE 1.4.4]	LIMIT	
STEEL FLOOR MEMBERS TOTAL LOAD (TL)	L / 240 OR 1/2"	
STEEL ROOF MEMBERS LIVE LOAD (LL)	L / 240 OR 1/2"	
STEEL ROOF MEMBERS TOTAL LOAD (TL)	L / 180 OR 3/4"	

HORIZONTAL [NOTE 1.4.4]		
MEMBERS SUPPORTING BRITTLE FINISHES	L / 240	
MEMBERS SUPPORTING FLEXIBLE FINISHES	L / 180	
MEMBERS SUPPORTING MASONRY	L / 600 AT 0.7E OR 0.7 * C&C WIND LOAD	

- MAXIMUM VERTICAL DEFLECTION IS WHICHEVER CRITERIA YIELDS LESS DEFLECTION. L IS THE CLEAR SPAN LENGTH IN INCHES.
- WIND LOAD IS REDUCIBLE TO 0.42 * COMPONENT AND CLADDING (C&C) LOADS PER IBC TABLE 1604.3 FOOTNOTE F.

01.20.00 SUBMITTALS

- SUBMIT FOR REVIEW:** SUBMITTALS OF SHOP DRAWINGS AND PRODUCT DATA ARE REQUIRED FOR ITEMS NOTED IN THE INDIVIDUAL MATERIALS SECTIONS OF THESE GENERAL NOTES AND FOR BIDDER-DESIGNED ELEMENTS.
- SUBMITTAL REVIEW PERIOD:** SUBMITTALS SHALL BE MADE IN TIME TO PROVIDE A MINIMUM OF TWO WEEKS OR TEN WORKING DAYS FOR REVIEW BY THE ARCHITECT/ENGINEER PRIOR TO THE ONSET OF FABRICATION.
- GENERAL CONTRACTOR'S PRIOR REVIEW:** PRIOR TO SUBMISSION TO THE ARCHITECT/ENGINEER, THE CONTRACTOR SHALL REVIEW THE SUBMITTAL FOR COMPLETENESS, DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE SER; THEREFORE, THEY MUST BE VERIFIED BY THE GENERAL CONTRACTOR. THE CONTRACTOR SHALL PROVIDE ANY NECESSARY DIMENSIONAL DETAILS REQUESTED BY THE DETAILER AND PROVIDE THE CONTRACTOR'S REVIEW STAMP AND SIGNATURE BEFORE FORWARDING TO THE ARCHITECT/ENGINEER.
- SHOP DRAWING REVIEW:** ONCE THE CONTRACTOR HAS COMPLETED THEIR REVIEW, THE SER WILL REVIEW THE SUBMITTAL FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND THE CONTRACT DOCUMENTS OF THE BUILDING AND WILL STAMP THE SUBMITTAL ACCORDINGLY. MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, NOR DEPARTURES THERE FROM. THE SER WILL RETURN SUBMITTALS IN THE FORM IN WHICH THEY ARE SUBMITTED (EITHER HARD COPY OR ELECTRONIC). FOR HARD COPY SUBMITTALS, THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE REQUIRED NUMBER OF COPIES TO THE SER FOR REVIEW.

- SHOP DRAWING DEVIATIONS:** WHEN SHOP DRAWINGS (COMPONENT DESIGN DRAWINGS) DIFFER FROM OR ADD TO THE REQUIREMENTS OF THE STRUCTURAL DRAWINGS, THEY SHALL BE DESIGNED AND STAMPED BY THE RESPONSIBLE SSE.

01.30.00 DEFERRED SUBMITTALS

- BIDDER-DESIGNED ELEMENTS:** SUBMIT "BIDDER-DESIGNED" DEFERRED SUBMITTALS TO THE ARCHITECT AND SER FOR REVIEW. THE DEFERRED SUBMITTALS SHALL ALSO BE SUBMITTED TO THE CITY FOR APPROVAL IF REQUIRED BY THE CITY. DESIGN OF PREFABRICATED, "BIDDER-DESIGNED," MANUFACTURED, PRE-ENGINEERED, OR OTHER FABRICATED PRODUCTS SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
 - DESIGN CONSIDERS TRIBUTARY DEAD, LIVE, WIND, AND EARTHQUAKE LOADS IN COMBINATIONS REQUIRED BY THE IBC.
 - DESIGN WITHIN THE DEFLECTION LIMITS NOTED IN THESE GENERAL NOTES AND AS SPECIFIED OR REFERENCED IN THE IBC.
 - DESIGN SHALL CONFORM TO THE SPECIFICATIONS AND REFERENCE STANDARDS OF THE GOVERNING CODE.
 - SUBMITTAL SHALL INCLUDE:
 - CALCULATIONS PREPARED, STAMPED, AND SIGNED BY THE SSE DEMONSTRATING CODE CONFORMANCE.
 - ENGINEERED COMPONENT DESIGN DRAWINGS ARE PREPARED, STAMPED, AND SIGNED BY THE SSE.
 - PRODUCT DATA, TECHNICAL INFORMATION AND MANUFACTURER'S WRITTEN REQUIREMENTS, AND AGENCY APPROVALS AS APPLICABLE.
 - THE SSE MAY SUBMIT TO THE ARCHITECT/ENGINEER A REQUEST TO UTILIZE RELEVANT ALTERNATE DESIGN CRITERIA OF SIMILAR NATURE AND GENERAL EQUIVALENCY WHICH IS RECOGNIZED BY THE CODE AND ACCEPTABLE TO THE AHJ. SUBMIT ADEQUATE DOCUMENTATION OF DESIGN.

2. GENERAL CONTRACTOR'S PRIOR REVIEW:

- ONCE THE CONTRACTOR HAS COMPLETED THEIR REVIEW OF THE SSE COMPONENT DRAWINGS, THE SER WILL REVIEW THE SUBMITTAL FOR GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING AND WILL STAMP THE SUBMITTAL ACCORDINGLY.
- REVIEW OF THE SSE'S SHOP DRAWINGS (COMPONENT DESIGN DRAWINGS) IS FOR COMPLIANCE WITH DESIGN CRITERIA AND COMPATIBILITY WITH THE DESIGN OF THE PRIMARY STRUCTURE AND DOES NOT RELIEVE THE SSE OF RESPONSIBILITY FOR THAT DESIGN.
- ALL NECESSARY BRACING, TIES, ANCHORAGE, AND PROPRIETARY PRODUCTS SHALL BE FURNISHED AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS OR THE SSE'S DESIGN DRAWINGS AND CALCULATIONS.
- BIDDER-DESIGNED ELEMENTS INCLUDE BUT ARE NOT LIMITED TO:
 - ROOF MOUNTED COMPONENTS: SKYLIGHTS, HATCHES
 - MECHANICAL, ELECTRICAL, PLUMBING, AND SPRINKLER HANGER PLANS

01.40.00 INSPECTIONS, QUALITY ASSURANCE, AND TEST REQUIREMENTS

- INSPECTIONS:** FOUNDATIONS, FOOTINGS, AND UNDER SLAB SYSTEMS AND FRAMING ARE SUBJECT TO INSPECTION BY THE BUILDING OFFICIAL IN ACCORDANCE WITH IBC SECTION 110.3. THE CONTRACTOR SHALL COORDINATE ALL REQUIRED INSPECTIONS WITH THE BUILDING OFFICIAL.
- SPECIAL INSPECTIONS, VERIFICATIONS, AND TESTS:** SPECIAL INSPECTIONS, VERIFICATIONS, AND TESTING SHALL BE DONE IN ACCORDANCE WITH IBC CHAPTER 17, THE STATEMENT AND SCHEDULES OF SPECIAL INSPECTIONS LISTED IN THESE DRAWINGS, AND THE AHJ STATEMENT OF SPECIAL INSPECTION AND/OR STATEMENT OF STRUCTURAL OBSERVATIONS.
- STRUCTURAL OBSERVATION:**
 - STRUCTURAL OBSERVATION FOR THIS PROJECT IS REQUIRED PER IBC SECTION 1704.6. THE CONTRACTOR SHALL NOTIFY THE SER IN A TIMELY MANNER TO ALLOW REQUIRED STRUCTURAL OBSERVATIONS TO OCCUR. REPORTS WILL BE DISTRIBUTED TO THE ARCHITECT, CONTRACTOR, SPECIAL INSPECTOR, AND AHJ.
 - THE FREQUENCY AND EXTENT OF OBSERVATIONS IS AT THE DISCRETION OF THE STRUCTURAL OBSERVER.
 - ONLY SIGNIFICANT STAGES OF CONSTRUCTION IDENTIFIED BY THE STRUCTURAL OBSERVER REQUIRE OBSERVATION.
 - FOR REPETITIVE OR SIMILAR STRUCTURAL ELEMENTS IDENTIFIED AS SIGNIFICANT, ONLY THE FIRST ELEMENT OF A STAGE REQUIRES OBSERVATION UNLESS NOTED OTHERWISE.
 - CONTRACTOR RESPONSIBILITY:** PRIOR TO ISSUANCE OF THE BUILDING PERMIT, THE CONTRACTOR IS REQUIRED TO PROVIDE THE AHJ A SIGNED, WRITTEN ACKNOWLEDGEMENT OF THE CONTRACTOR'S RESPONSIBILITIES ASSOCIATED WITH THE STATEMENT OF SPECIAL INSPECTIONS, PREVIOUSLY REFERENCED, ADDRESSING THE REQUIREMENTS LISTED IN IBC SECTION 1704.4. THE CONTRACTOR IS REFERRED TO IBC SECTIONS 1705.13.5 AND 1705.13.6 FOR ARCHITECTURAL AND MEP BUILDING SYSTEMS THAT MAY BE SUBJECT TO ADDITIONAL INSPECTIONS (BASED ON THE BUILDING'S DESIGNATED SEISMIC DESIGN CATEGORY LISTED IN THE DESIGN CRITERIA AND LOADS SECTION OF THESE GENERAL NOTES), INCLUDING ANCHORAGE OF HVAC DUCTWORK CONTAINING HAZARDOUS MATERIALS, PIPING SYSTEMS AND MECHANICAL UNITS CONTAINING FLAMMABLE, COMBUSTIBLE, OR HIGHLY TOXIC MATERIALS, ELECTRICAL EQUIPMENT USED FOR EMERGENCY OR STANDBY POWER, EXTERIOR WALL PANELS, AND SUSPENDED CEILING SYSTEMS.

02.00.00 SOILS AND FOUNDATION

- REFERENCE STANDARDS:** CONFORM TO IBC CHAPTER 18 "SOILS AND FOUNDATIONS"
- GEOTECHNICAL REPORT:** NO GEOTECHNICAL REPORT ASSOCIATED WITH THIS PORJECT WAS PROVIDED. THE STRUCTURAL DESIGN HAS BEEN BASED ON THE FOLLOWING ASSUMED DESIGN CRITERIA PER IBC 1806.2. THE OWNER AND CONTRACTOR ARE TO ENSURE APPROPRIATE SOIL CONDITIONS ARE PROVIDED THAT MEET OR EXCEED THIS DESIGN CRITERIA; AND ALL WORK PERFORMED SHALL BE IN COMPLIANCE WITH THE PROVIDED DESIG CRITERIA.
 - SITE PREPARATION SHOULD BEGIN BY REMOVING ALL THE EXISTING ASPHALTIC PAVEMENT AND ANY CONCRETE SHOULD BE REMOVED IN THE AREAS WHERE ANY NEW STRUCTURE WILL BE PLACED. THESE MATERIALS SHOULD NOT BE USED FOR STRUCTURAL FILL OR IN THE BUILDING AREAS.
 - THE EXPOSED SURFACES FOR THE BUILDING AREAS (WHEN AT PROPER SUBGRADE) SHOULD BE COMPACTED. IF ANY SOFT OR WEAK AREAS ARE REVEALED, THEY SHOULD BE REMOVED AND THEN REPLACED WITH COMPACTED SELECT FILL PRIOR TO PLACEMENT OF FILL OF BASE MATERIAL. ANY AREAS FOUND NOT TO COMPLY WITH THE COMPACTION REQUIREMENTS SHOULD BE REMOVED AND RETESTED PRIOR TO PLACING THE NEXT LIFT.
 - BACKFILL DESCRIBED HEREIN SHALL BE ACCOMPLISHED IN MAXIMUM 8-INCH LOOSE LIFTS AND THEN COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY (ASTM D 698) AT NOT LESS THAN 2% POINTS OF OPTIMUM MOISTURE CONTENT.
 - DENSITY TESTS SHALL BE PERFORMED AT A FREQUENCY OF NOT LESS THAN ONE TEST PER EVERY 2,500 SQUARE FEET OG BUILDING AREA.
 - OCCASIONALLY, THE HSALLOW SOILS BECOME WET AND PUMP DURING SITE PREPARATION AND BECOME DIFFICULT TO WORK. THIS CONDITION GENERALLY OCCURS WITH TRAPPED MOISTURE IN SUBGRADE. IF THIS CONDITION OCCURS DURING CONSTRUCTION, THE SOILS NEED TO BE EXCAVATED, AERATED TO DRY, AND RECOMPACTED ADEQUATELY. AT TIMES EXCAVATING AND REPLACING WITH SELECTED SOILS MAY BE REQUIRED TO ACHIEVE AN ADEQUATE SUBGRADE.
 - FILL MATERIAL USED SHOULD BE THE ON-SITE MATERIAL OR A SELECT NON-EXPANSIVE MATERIAL MEETING THE FOLLOWING GENERAL REQUIREMENTS:
 - MAXIMUM AGGREGATE SIZE..... 3.0 INCHES.
 - PERCENT RETAINED ON NO. 4 SIEVE..... 25-50

- PERCENT RETAINED ON NO. 40 SIEVE..... 50-85
- PLASTICITY INDEX..... 15 MAX.
- SHOULD FILL MATERIAL PLACEMENT EXCEED 3.5 FEET IN DEPTH, THE DENSITY REQUIREMENTS SHOULD BE INCREASED TO 98% OF ASTM D698 MAXIMUM DENSITY. THE MOISTURE CONTENT SHOULD BE MAINTAINED AT OR NEAR THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM B698, AND SHOULD NOT BE LESS THAN 2% POINTS OF THE OPTIMUM MOISTURE CONTENT DETERMINED BY THIS TEST.

3. DESIGN SOIL VALUES:

THE FOLLOWING NET ALLOWABLE BEARING PREASSURES WERE UTILIZED IN THE DESING OF THE FOUNDATIONS (SAND, SILTY SAND, CLAYEY SAND, SILTY GRAVEL, PER IBC 1806.2)

ALLOWABLE FOUNDATION BEARING PRESSURE	2,000 PSF - ASSUMED
---------------------------------------	---------------------

FOUNDATIONS AND FOOTINGS: FOUNDATIONS SHALL BEAR ON EITHER COMPETENT NATIVE SOIL OR COMPACTED STRUCTURAL FILL. EXTERIOR PERIMETER FOOTINGS SHALL BEAR NOT LESS THAN 18" BELOW FINISH GRADE UNLESS OTHERWISE SPECIFIED BY THE GEOTECHNICAL ENGINEER AND/OR THE BUILDING OFFICIAL.

FOOTING DEPTH: TOPS OF FOOTINGS SHALL BE AS SHOWN ON PLANS WITH VERTICAL CHANGES AS INDICATED WITH STEPS IN THE FOOTINGS. LOCATIONS OF STEPS SHOWN ARE APPROXIMATE AND SHALL BE COORDINATED WITH THE CIVIL GRADING PLANS.

SLABS-ON-GRADE: ALL SLABS-ON-GRADE SHALL BEAR ON COMPACTED STRUCTURAL FILL OR COMPETENT NATIVE SOIL. ALL MOISTURE SENSITIVE SLABS-ON-GRADE OR THOSE SUBJECT TO RECEIVE MOISTURE SENSITIVE COATINGS/COVERING SHALL BE PROVIDED WITH AN APPROPRIATE CAPILLARY BREAK AND VAPOR BARRIER/RETARDANT OVER THE SUBGRADE PREPARED AND INSTALLED AS NOTED BY THE BARRIER MANUFACTURER'S WRITTEN RECOMMENDATIONS AND COORDINATED WITH THE FINISHES SPECIFIED BY THE ARCHITECT.

UNDERPINNING: UNDERPINNING OF ADJACENT STRUCTURES SHALL BE INSTALLED IN A SEQUENTIAL MANNER THAT PROTECTS THE NEIGHBORING STRUCTURE AND THE WORKING CONSTRUCTION SITE. UNDERPINNING DESIGN AND SEQUENCING ARE THE RESPONSIBILITY OF THE CONTRACTOR. SEQUENCE OF INSTALLATION MUST BE SHOWN ON APPROVED DEFERRED SUBMITTAL PERMIT DRAWINGS.

03.20.00 CONCRETE REINFORCEMENT

- REFERENCE STANDARDS:** CONFORM TO:
 - ACI 301 "STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE," SECTION 3 "REINFORCEMENT AND REINFORCEMENT SUPPORTS"
 - ACI SP-66 "ACI DETAILING MANUAL"
 - CRSI MSP "MANUAL OF STANDARD PRACTICE"
 - ANSI/AWS D1.4 "STRUCTURAL WELDING CODE - REINFORCING STEEL"
 - IBC CHAPTER 19 "CONCRETE"
 - ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
 - ACI 117 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS"
- SUBMITTALS:**
 - CONFORM TO ACI 301 SECTION 3.1.2. SUBMIT PLACING DRAWINGS SHOWING FABRICATION DIMENSIONS AND PLACEMENT LOCATIONS OF REINFORCEMENT AND REINFORCEMENT SUPPORTS.

3. MATERIALS:		
REINFORCING BARS [NOTE 3.1]		ASTM A615, GRADE 60, DEFORMED BARS ASTM A706, GRADE 60, DEFORMED BARS ASTM A706, GRADE 80, DEFORMED BARS ASTM A706, GRADE 100, DEFORMED BARS CRSI MSP CHAPTER 3 16 GAGE OR HEAVIER, BLACK ANNEALED ASTM A970
BAR SUPPORTS		
TIE WIRE		
HEADED DEFORMED BARS		
3.1. ASSUME GRADE 60 REINFORCEMENT UNLESS NOTED OTHERWISE ON PLAN. REFERENCE PLANS FOR HIGH STRENGTH REINFORCING LOCATIONS, INDICATED BY (GR 80) OR (GR 100).		

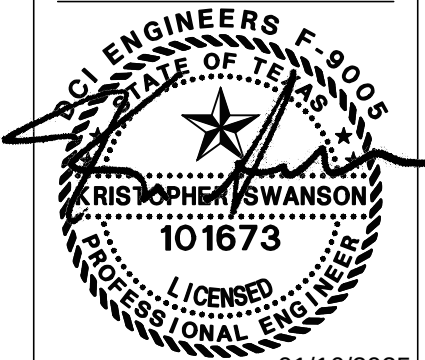
4. FABRICATION: CONFORM TO ACI 301 SECTION 3.2.2 AND ACI SP-66.		
5. WELDING: BARS SHALL NOT BE WELDED UNLESS AUTHORIZED. WHEN AUTHORIZED, CONFORM TO ACI 301 SECTION 3.2.2.2 AND AWS D1.4, AND PROVIDE ASTM A706, GRADE 60 REINFORCEMENT.		
6. PLACING: CONFORM TO ACI 301 SECTION 3.3.2. PLACING TOLERANCES SHALL CONFORM TO ACI 117.		
7. CONCRETE COVER: CONFORM TO THE FOLLOWING COVER REQUIREMENTS UNLESS NOTED OTHERWISE ON PLAN:		
CONCRETE CAST AGAINST EARTH	3"	
CONCRETE EXPOSED TO EARTH OR WEATHER	2"	
TIES IN COLUMNS AND BEAMS	1-1/2"	
BARS IN SLABS	3/4"	
BARS IN WALLS	3/4"	
EXTERIOR BARS IN TILT-UP PANELS	1"	

8. SPLICES: CONFORM TO ACI 301 SECTION 3.3.2.7. REFER TO TYPICAL LAP SPLICE AND DEVELOPMENT LENGTH SCHEDULE IN THESE DRAWINGS FOR TYPICAL REINFORCEMENT SPLICES. REFER TO "COLUMN VERTICAL REINFORCING SPLICE SCHEDULE" AND "SHEAR WALL REINFORCING SPLICE SCHEDULE" IN THESE DRAWINGS FOR THOSE SPECIFIC ELEMENTS. SPLICES INDICATED ON INDIVIDUAL SHEETS SHALL CONTROL OVER THE SCHEDULE. MECHANICAL CONNECTIONS MAY BE USED WHEN APPROVED BY THE SER. FOR REINFORCING WITHIN THE LATERAL SYSTEM AND REINFORCING CONNECTING THE DIAPHRAGM SLAB TO THE LATERAL SYSTEM, MECHANICAL SPLICE STRENGTH IS INCREASED TO DEVELOP 125% OF THE SPECIFIED TENSILE STRENGTH OF THE SPLICES BAR.

9. FIELD BENDING: CONFORM TO ACI 301 SECTION 3.3.2.8. BAR SIZES #3 THROUGH #5 MAY BE FIELD BENT COLD THE FIRST TIME. SUBSEQUENT BENDS AND OTHER BAR SIZES REQUIRE PREHEATING. DO NOT TWIST BARS. BARS SHALL NOT BE BENT PAST 45°.

03.30.00 CAST-IN-PLACE CONCRETE

- REFERENCE STANDARDS:** CONFORM TO:
 - ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE"
 - IBC CHAPTER 19 "CONCRETE"
 - ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
 - ACI 117 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS"
- FIELD REFERENCE:** THE CONTRACTOR SHALL KEEP A COPY OF ACI FIELD REFERENCE MANUAL SP-15.
- CONCRETE MIXTURES:** CONFORM TO ACI 301 SECTION 4 AND IBC SECTION 1904.1.



Job No.: 24061-0056

LYNN COUNTY HEALTHCARE SYSTEM
ELECTRICAL UPGRADE

2600 LOCKWOOD ST.,
TAHOKA, TEXAS 79373

100% CONSTRUCTION
DOCUMENTS

11.14.2025

STRUCTURAL - GENERAL
NOTES

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- HILTI "KWIK-X" - ICC-ESR 5065 FOR ANCHORAGE TO CONCRETE
- SIMPSON "SET-3G" - ICC-ESR 4057 FOR ANCHORAGE TO CONCRETE ONLY AND ICC-ESR 4844 FOR ANCHORAGE TO MASONRY
- SIMPSON "ET-3G" - ICC-ESR XXXX, ANCHORAGE TO UNREINFORCED CONCRETE MASONRY (URM)
- SIMPSON STRONG-TIE "AT-3G" ICC-ESR 5026 FOR ANCHORAGE TO CONCRETE ONLY
- SIMPSON "ET-HP" - ICC-ESR 3638, IAPMO 241 FOR ANCHORAGE TO UNREINFORCED CONCRETE MASONRY (URM)
- DEWALT "PURE 220+" - ICC-ESR 5144 FOR ANCHORAGE TO CONCRETE
- DEWALT "AC100+ GOLD" - ICC-ESR 2582 FOR ANCHORAGE TO CONCRETE, ICC-ESR 3200 FOR ANCHORAGE TO MASONRY, ICC-ESR 4105 FOR ANCHORAGE TO UNREINFORCED MASONRY (URM)
- DEWALT "AC200+" - ICC-ESR 4027 FOR ANCHORAGE TO CONCRETE
- 2.2. EXPANSION ANCHORS: THE FOLLOWING EXPANSION TYPE ANCHORS ARE PRE-APPROVED FOR ANCHORAGE TO CONCRETE OR MASONRY IN ACCORDANCE WITH CORRESPONDING CURRENT ICC-ESR:
- HILTI "KB TZ2" - ICC-ESR 4266 FOR ANCHORAGE TO CONCRETE, ICC-ESR 4561 FOR ANCHORAGE TO MASONRY
- HILTI "KB1" - IAPMO 678 FOR ANCHORAGE TO CONCRETE, IAPMO 677 FOR ANCHORAGE TO MASONRY
- SIMPSON "STRONG-BOLT 2" - ICC-ESR 3037 FOR ANCHORAGE TO CONCRETE, IAPMO 240 TO MASONRY
- DEWALT "POWER-STUD +SD2" - ICC-ESR 2502 FOR ANCHORAGE TO CONCRETE
- DEWALT "POWER-BOLT+" - ICC-ESR 3260 FOR ANCHORAGE TO CONCRETE
- DEWALT "POWER-STUD +SD1" - ICC-ESR 2966 FOR ANCHORAGE TO MASONRY
- DEWALT "CCU+" - ICC-ESR 4810 FOR ANCHORAGE TO CONCRETE
- DEWALT "MINI-UNDERCUT+" SHALLOW EMBEDMENT ANCHORS - ICC-ESR 3912 FOR ANCHORAGE TO CONCRETE
- 2.3. SCREW ANCHORS: THE FOLLOWING SCREW TYPE ANCHOR IS PRE-APPROVED FOR ANCHORAGE TO CONCRETE OR MASONRY IN ACCORDANCE WITH CORRESPONDING CURRENT ICC-ESR:
- SIMPSON "TITEN HD" - ICC-ESR 2713 FOR CARBON STEEL TO CONCRETE, ICC-ESR 1056 FOR MASONRY ONLY, IAPMO 493 FOR STAINLESS STEEL TO CONCRETE
- HILTI "KH-EZ" - ICC-ESR 3027 FOR ANCHORAGE TO CONCRETE
- DEWALT "SNAKE" - ICC ESR-2272 FOR ANCHORAGE TO CONCRETE
- DEWALT "ULTRACON+" - ICC-ESR 3196 FOR ANCHORAGE TO MASONRY
- DEWALT "SCREW-BOLT+" - ICC-ESR 3889 FOR ANCHORAGE TO CONCRETE CARBON STEEL OR GALVANIZED OPTION, ICC-ESR 4042 FOR MASONRY ONLY

05.31.00 METAL ROOF AND FLOOR DECK

1. REFERENCE STANDARDS: CONFORM TO:
- 1.1. SDI-DDM "DIAPHRAGM DESIGN MANUAL"
- 1.2. ANSI/SDI NC "STANDARD FOR NON-COMPOSITE STEEL FLOOR DECK"
- 1.3. ANSI/SDI RD "STANDARD FOR STEEL ROOF DECK"
- 1.4. ANSI/SDI C "STANDARD FOR COMPOSITE STEEL FLOOR DECK-SLABS"
- 1.5. AISI S100 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS"
- 1.6. AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL"
2. SUBMITTALS:
- 2.1. SUBMIT SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR REVIEW. SHOP DRAWINGS SHALL INCLUDE MATERIAL TYPE, DESIGN LOADS, DIAPHRAGM CAPACITIES, SPAN LAYOUT, DECK ATTACHMENTS, METAL DECK EDGE FORM DESIGN AND CALCULATIONS, AND SHORING REQUIREMENTS. ALL OPENINGS SHALL BE INDICATED. ANY ALTERNATE DECK TYPES AND GAGES SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO FABRICATION AND SHALL INCLUDE A VALID ICC EVALUATION REPORT, CALCULATIONS, AND SHOP DRAWINGS (COMPONENT DESIGN DRAWINGS) STAMPED BY THE SSE.
3. MATERIAL: ASTM A653 - SS DESIGNATION, GRADE 33 | 50 KSI. STEEL DECK AND ACCESSORIES SHALL BE GALVANIZED TO G60 | G90 MINIMUM IN ACCORDANCE WITH ASTM A653 ASTM 1008 BARE STEEL. ASTM 1008 STEEL PRIME PAINTED WITH MANUFACTURER'S STANDARD PRIME PAINT.
4. TYPE: DECK SHALL BE AS SHOWN ON THE STRUCTURAL DRAWINGS BASED ON THREE-SPAN, UNSHORED CONDITION. HEAVIER GAUGE DECK OR SHORING MAY BE REQUIRED FOR CONDITIONS OTHER THAN THREE-SPAN BASED ON MANUFACTURER CAPACITIES, ACTUAL DECK LAYOUT, AND SPAN CONDITIONS. DEVIATIONS FROM DECK GAUGES SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE SER FOR APPROVAL. MAXIMUM DEAD LOAD DEFLECTION IS 3/4" OR 1/180, WHICHEVER IS LESS.
- 4.1. VERCO - IAPMO ER-217
- 4.2. VULCRAFT - ICC-ESR 1227
- 4.3. EPIC - ICC-ESR 2047
5. DIAPHRAGM CAPACITY: DECK AND ATTACHMENTS SHALL BE CAPABLE OF RESISTING THE DIAPHRAGM SHEARS WHERE INDICATED ON THE DRAWINGS. SUBMIT ICC ESR AS PROOF OF COMPLIANCE.
6. INSTALLATION: INSTALL DECK IN ACCORDANCE WITH SUPPLIER'S INSTRUCTIONS AND SHOP DRAWINGS. ATTACHMENTS SHALL RESIST THE UPLIFT AND DIAPHRAGM SHEAR FORCES SHOWN ON THE DRAWINGS. WELDING SHALL CONFORM TO AWS D1.3. WELDERS SHALL HAVE CURRENT LIGHT GAGE CERTIFICATION. ROOF DECK SHALL HAVE A MINIMUM END LAP OF 2" CENTERED OVER SUPPORTS. COMPOSITE FLOOR DECK PANEL ENDS SHALL ABUT ONE ANOTHER, CENTERED OVER SUPPORTS, AND OBTAIN ADEQUATE END BEARING WHERE TWO UNITS ABUT, EACH UNIT SHALL BE FASTENED TO THE STEEL SUPPORT AS REQUIRED. MINIMUM BEARING FOR BOTH ROOF DECK AND FLOOR DECK IS 2" UNLESS NOTED OTHERWISE.
7. OPENINGS: DECK OPENINGS LESS THAN 6" DO NOT REQUIRE REINFORCEMENT. FOR LARGER OPENINGS, REFER TO TYPICAL DETAILS.
8. ACCESSORIES: DECK MANUFACTURER SHALL FURNISH SHORING PLANS, CLOSURE PLATES, RIDGE AND VALLEY PLATES, CANT STRIPS, SUMP PANS, FLASHING, AND ALL OTHER LIGHT GAGE STEEL MATERIAL REQUIRED TO COMPLETE THE WORK.
9. DECK FASTENING: MINIMUM DECK FASTENING SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON PLAN. A 3/4" DIAMETER WELDED HEADED STUD WELDED THROUGH METAL DECK IN ACCORDANCE WITH AWS SHALL BE PERMITTED AS A SUBSTITUTE FOR A 3/4" VISIBLE DIAMETER PUDDLE WELD.
- 9.1. COMPOSITE METAL FLOOR AND ROOF DECK
- 9.1.1. 1/2" EFFECTIVE DIAMETER PUDDLE WELDS (3/4" VISIBLE DIAMETER) EACH RIB AT TRANSVERSE AND PERIMETER SUPPORTS.
- 9.1.2. 1/2" EFFECTIVE DIAMETER PUDDLE WELDS (3/4" VISIBLE DIAMETER) AT 18" OC AT LONGITUDINAL SUPPORTS.
- 9.1.3. SIDE LAP CONNECTIONS SHALL BE MADE AS NECESSARY TO ACCOMMODATE CONSTRUCTION LOADING, UNLESS NOTED OTHERWISE, BUT NOT LESS THAN 1-1/2" TOP SEAM WELD AT 2' OC OR BUTTON PUNCHED AT 2' OC.
- 9.1.4. SIDE LAP CONNECTIONS NECESSARY TO DEVELOP THE SHEAR LOADING INDICATED ON THE DIAPHRAGM SCHEDULE, BUT NOT LESS THAN 600 PLF.

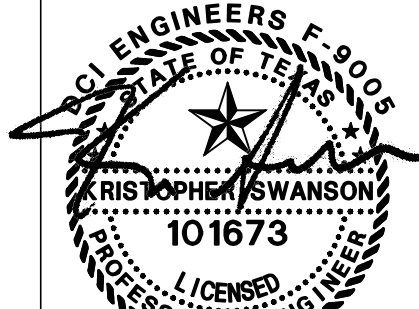
05.40.00 COLD-FORMED STEEL FRAMING

1. REFERENCE STANDARDS: CONFORM TO:
- 1.1. AISI S100 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS"
- 1.2. AISI S202 "CODE OF STANDARD PRACTICE FOR COLD-FORMED STEEL FRAMING"
- 1.3. AISI S220 "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - NONSTRUCTURAL MEMBERS"
- 1.4. AISI S230 "STANDARD FOR COLD-FORMED STEEL FRAMING - PRESCRIPTIVE METHOD FOR ONE- AND TWO-FAMILY DWELLINGS"
- 1.5. AISI S240 "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL STRUCTURING FRAMING"
- 1.6. AISI S400/S1 "NORTH AMERICAN STANDARD FOR SEISMIC DESIGN OF COLD-FORMED STEEL STRUCTURAL SYSTEMS, WITH SUPPLEMENT 1"
- 1.7. AWWC "WALL AND CEILING STANDARDS" SECTION 9.8 "EXTERIOR STEEL STUDS WALL SYSTEMS"
- 1.8. AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL"
2. MATERIALS:
- 2.1. STRUCTURAL SECTIONS: 54, 68 AND 97-MIL; ASTM A653, SS GRADE 50 OR ASTM A1003 GRADE 50, MIN F_y = 50 KSI, 33 AND 43-MIL; ASTM A653, SS GRADE 33 OR ASTM A1003 GRADE 33, MIN F_y = 33 KSI
- 2.2. SHEET METAL SCREWS: GRABBER OR BUILDEX TEK-SELF-DRILLING, #10 SCREWS UNLESS NOTED OTHERWISE ON PLAN; ASTM C1513 OR SER APPROVED ALTERNATE
- 2.3. FASTENERS TO STEEL: HILTI X-U 0.157" DIAMETER POWER ACTUATED FASTENERS - ICC-ESR 2269
- 2.4. FASTENERS TO CONCRETE: HILTI X-U 0.157" DIAMETER POWER ACTUATED FASTENERS WITH 3/4" EMBEDMENT - ICC-ESR 2269
- 2.5. WELD MATERIAL: E60XX ELECTRODES CONFORMING TO AWS D1.3
- 2.6. SHEAR WALL TRACKS TO CONCRETE: EMBEDS PER SHEAR WALL SCHEDULE
- 2.7. SHEAR WALL FASTENERS: AS INDICATED ON THE SHEAR WALL SCHEDULE
- 2.8. FLOOR DIAPHRAGM FASTENERS: SCREWS AS INDICATED ON THE FLOOR PLAN NOTES
- 2.9. SHEAR WALL SHEATHING: SUREBOARD® (AS DEFINED BELOW)
- 2.10. SHEAR WALL SHEATHING: SHEET STEEL; ASTM A1003 GRADE 33 TYPE H
- 2.11. METAL DECK: 9/16" VERCO SHALLOW VERCOR DECK; ASTM A653 GRADE 50, F_y = 50 KSI
- 2.12. TOPPING OVER METAL DECK: LEVELROCK CSD OR MAXXON GYPCRETE
- 2.13. HOLD-DOWNS: SIMPSON OR SER APPROVED ALTERNATE
- 2.14. GROUT: 4,000 PSI, SHALL NOT CONTAIN CHLORIDES OR OTHER CHEMICAL DELETERIOUS TO TRACK
3. GALVANIZED MATERIAL: STUDS AND TRACK SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A653, G60, UNLESS IN CONTACT WITH PRESSURE TREATED WOOD. IF IN CONTACT WITH PRESSURE TREATED WOOD, USE G90 OR GREATER COATINGS. FASTENINGS NOT SHOWN ON THE DRAWINGS SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
4. SIZE AND PROFILE: COLD-FORMED STEEL FRAMING MEMBERS SHALL BE AS SPECIFIED BY THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) ICC-ESR 3064P AND OF THE SIZE AND PROFILE AS SHOWN ON THE DRAWINGS. ALTERNATE MEMBERS EQUIVALENT IN SHAPE, SIZE, AND STRENGTH BY MANUFACTURERS NOT MEMBERS OF THE SSMA SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT/ENGINEER.
5. JOISTS: PROVIDE C-SHAPED JOISTS WITH STIFFENED FLANGES (S-SECTIONS IN SSMA). SPANS ARE ASSUMED TO BE CONTINUOUSLY SHEATHED AT THE TOP FLANGE. A MINIMUM 3-1/2" BEARING SHALL BE PROVIDED AT EACH END OF EACH JOIST. ADD WEB STIFFENERS IF BEARING IS LESS THAN 3-1/2", BUT NO LESS THAN 1-1/2". ALL JOISTS MUST BE BRACED Laterally AT EACH END BY TRACK OR BLOCKING. JOIST BRIDGING SHALL BE A MAXIMUM 8' OC. ALL PRE-PUNCHED WEB HOLES SHALL BE A MINIMUM OF 10" FROM BEARING ENDS AND A MINIMUM OF 48" OC. IF A PUNCH-OUT FALLS WITHIN 10" OF A BEARING POINT, REINFORCEMENT IS REQUIRED.
6. GYPSUM WALL BOARD "SURE BOARD" SHEAR WALLS: SUREBOARD PANELS SHALL NOT BE INSTALLED UNTIL WEATHER PROTECTION IS PROVIDED UNLESS PANELS ARE MANUFACTURED USING RESINOUS COATED GLASS-FIBER-MAT FACED WATER RESISTANT CORE GYPSUM SHEATHING BOARD INTENDED FOR USE UNDER EXTERIOR WALL COVERINGS AND HAVE A CURRENT ICC REPORT. THE STEEL FACE MUST BE IN CONTACT WITH THE STEEL STUD. SUPPORTS FOR GYPSUM WALL BOARD SHALL CONFORM TO IBC SECTION 2508. SUREBOARD WALL PANELS SHALL BE MANUFACTURED, IDENTIFIED, AND INSTALLED IN ACCORDANCE WITH IAPMO CERTIFICATE ES-ER-0126 AND PER THE SHEAR WALL SCHEDULE IN THE DRAWINGS.
7. CONNECTORS AND FASTENERS: CONNECTORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS. ALL SCREWS SHALL BE SNUG WITH STEEL SURFACE AND SCREWS SHALL PENETRATE INTO STEEL STUDS BY A MINIMUM OF THREE EXPOSED THREADS. CONNECTIONS SHALL NOT BE STRIPPED. SCREWS SHALL BE INSTALLED A MINIMUM OF 3/8" FROM STEEL EDGES AND NO LESS THAN 3/4" OC.
- 7.1. SCREWS OR PINS IN WOOD SHEAR WALLS OR HORIZONTAL DIAPHRAGMS SHALL BE DRIVEN SO THAT THE HEAD IS NO MORE THAN 1/16" BELOW THE SURFACE OF THE SHEATHING.
- 7.2. WHERE CONNECTOR STRAPS CONNECT TWO MEMBERS, PLACE HALF OF THE SCREWS IN EACH MEMBER.
- 7.3. WHEN FASTENING TO STEEL, POWDER ACTUATED FASTENERS SHALL BE INSTALLED A MINIMUM OF 1/2" FROM STEEL EDGES AND AT NO LESS THAN 1" OC.
- 7.4. WHEN FASTENING TO CONCRETE, POWDER ACTUATED FASTENERS SHALL BE INSTALLED A MINIMUM OF 3" FROM CONCRETE EDGES AND AT NO LESS THAN 4" OC.
- 7.5. POWDER ACTUATED FASTENERS SHALL NOT BE USED FOR HANGING APPLICATIONS.
8. MEMBER CONDITION: ALL STRUCTURAL COLD-FORMED FRAMING MEMBERS MUST BE IN GOOD CONDITION. DAMAGED MEMBERS, MEMBERS WITH CRACKING IN THE STEEL AT THE BEND RADIUS LOCATIONS, AND MEMBERS WITH SIGNIFICANT RED RUSTING OR SCALING OF THE PROTECTIVE COATING ARE UNACCEPTABLE AND MUST BE REPLACED UNLESS APPROVED BY THE SER. HANDLING AND LIFTING OF PREFABRICATED PANELS SHALL NOT CAUSE PERMANENT DISTORTION TO ANY MEMBER OR COLLATERAL MATERIAL. MEMBERS NOT MEETING TOLERANCES LISTED BELOW SHALL BE REPLACED PRIOR TO LOADING.
9. FULL-HEIGHT NON-LOAD-BEARING STUD WALLS: FULL HEIGHT STUD WALLS SHALL BE ATTACHED TO CONCRETE SLABS ABOVE WITH DEFLECTION TRACK TO ALLOW FOR DIFFERENTIAL VERTICAL FLOOR DEFLECTIONS UNDER LIVE LOADS. MAINTAIN 3/4" GAP BETWEEN TOP OF STUDS AND SLAB UNLESS NOTED OTHERWISE ON PLAN.
10. ERECTION AND TOLERANCES: AXIAL LOAD BEARING COLD-FORMED STEEL FRAMING SHALL BE ERECTED TRUE AND PLUMB PER THE REQUIREMENTS AND WITHIN THE SPECIFIED TOLERANCES LISTED BELOW. FOR PURPOSES OF THIS SECTION, CAMBER IS DEFINED AS THE DEVIATION FROM STRAIGHTNESS OF A MEMBER OR ANY PORTION OF A MEMBER WITH RESPECT TO ITS MAJOR AXIS, AND SWEEP IS DEFINED AS THE DEVIATION FROM STRAIGHTNESS OF A MEMBER OR ANY PORTION OF A MEMBER WITH RESPECT TO ITS MINOR AXIS.
- 10.1. FOR AXIAL LOAD BEARING STUDS, OUT OF PLUMBNESS AND OUT OF STRAIGHTNESS (CAMBER AND SWEEP) SHALL NOT EXCEED 1/1000TH OF THE MEMBER LENGTH.
- 10.2. FOR JOISTS, OUT OF STRAIGHTNESS (CAMBER AND SWEEP) SHALL NOT EXCEED 1/1000TH OF THE MEMBER LENGTH.
- 10.3. FOR JOISTS, TRACK, AND AXIAL LOAD BEARING STUDS, OUT OF PLUMBNESS AND OUT OF STRAIGHTNESS (CAMBER AND SWEEP) SHALL NOT EXCEED 1/1000TH OF THE MEMBER LENGTH (1/8" OVER 10').
- 10.4. FOR TRACK, CAMBER SHALL NOT EXCEED 1/1000TH OF THE MEMBER LENGTH.
- 10.5. ERECT FRAMING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION AND SHOP DRAWINGS.
- 10.6. STUDS SHALL SEAT INTO TOP AND BOTTOM TRACKS. THE GAP BETWEEN THE END OF THE STUD AND THE WEB OF THE TRACK SHALL NOT EXCEED 1/16" FOR AXIAL LOAD BEARING STUDS.
- 10.7. ALL AXIALLY LOADED MEMBERS SHALL BE ALIGNED VERTICALLY TO ALLOW FOR FULL TRANSFER OF THE LOADS DOWN TO THE FOUNDATION. POST-TENSIONED SLAB.
- 10.8. JOISTS AND END STIFFENERS SHALL BE LOCATED DIRECTLY OVER AXIAL LOAD BEARING STUDS. THE USE OF TRACK AS A LOAD DISTRIBUTION MEMBER IS NOT PERMITTED.

11. FIELD CUTS AND NOTCHES: FIELD CUTS AND NOTCHES OF ANY KIND (INCLUDING WIDENING PRE-PUNCHED HOLES) ARE NOT ALLOWED IN ANY STRUCTURAL COLD-FORMED STEEL MEMBER WITHOUT PRIOR APPROVAL FROM THE SER.

12. PERMANENT WALL BRACING AND BRIDGING: DOUBLE FLAT STRAP OR CHANNEL BRIDGING AS SPECIFIED ON THE STRUCTURAL DRAWINGS SHALL BE INSTALLED AT 4' OC MAXIMUM UNLESS NOTED OTHERWISE, AND ADEQUATELY BRACED PRIOR TO LOADING STUDS. BRIDGING ANCHORAGE DESIGN TO BE BASED ON "ALL STEEL DESIGN" (MECHANICALLY BRACED) OR "SHEATHING BRACED DESIGN" PER AISI S240. REFERENCE THE FLOOR FRAMING PLAN NOTES IN THE DRAWINGS FOR TYPE OF DESIGN USED ON THAT FLOOR.

TEMPORARY BRACING: REFERENCE TEMPORARY SHORING AND BRACING SECTION OF THESE GENERAL NOTES. THE CONTRACTOR IS RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION AND SHALL PROVIDE TEMPORARY BRACING AND OTHER ELEMENTS REQUIRED TO MAINTAIN STABILITY UNTIL THE STRUCTURE IS COMPLETE. TEMPORARY BRACING SHALL BE STAMPED BY A LICENSED STRUCTURAL ENGINEER REGISTERED IN THE STATE OF TEXAS AND SUBMITTED TO THE SER FOR APPROVAL PRIOR TO FABRICATION OF FRAMING.



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LYNN COUNTY HEALTHCARE SYSTEM
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STRUCTURAL - GENERAL
NOTES

S0.3

STRUCTURAL - SPECIAL
INSPECTIONS

S0.4

11.14.2025

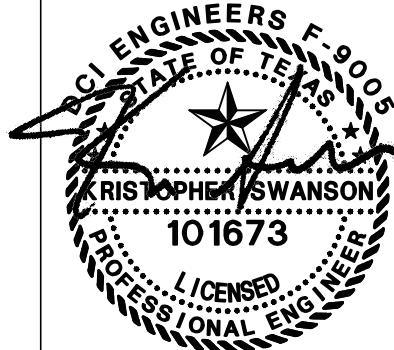
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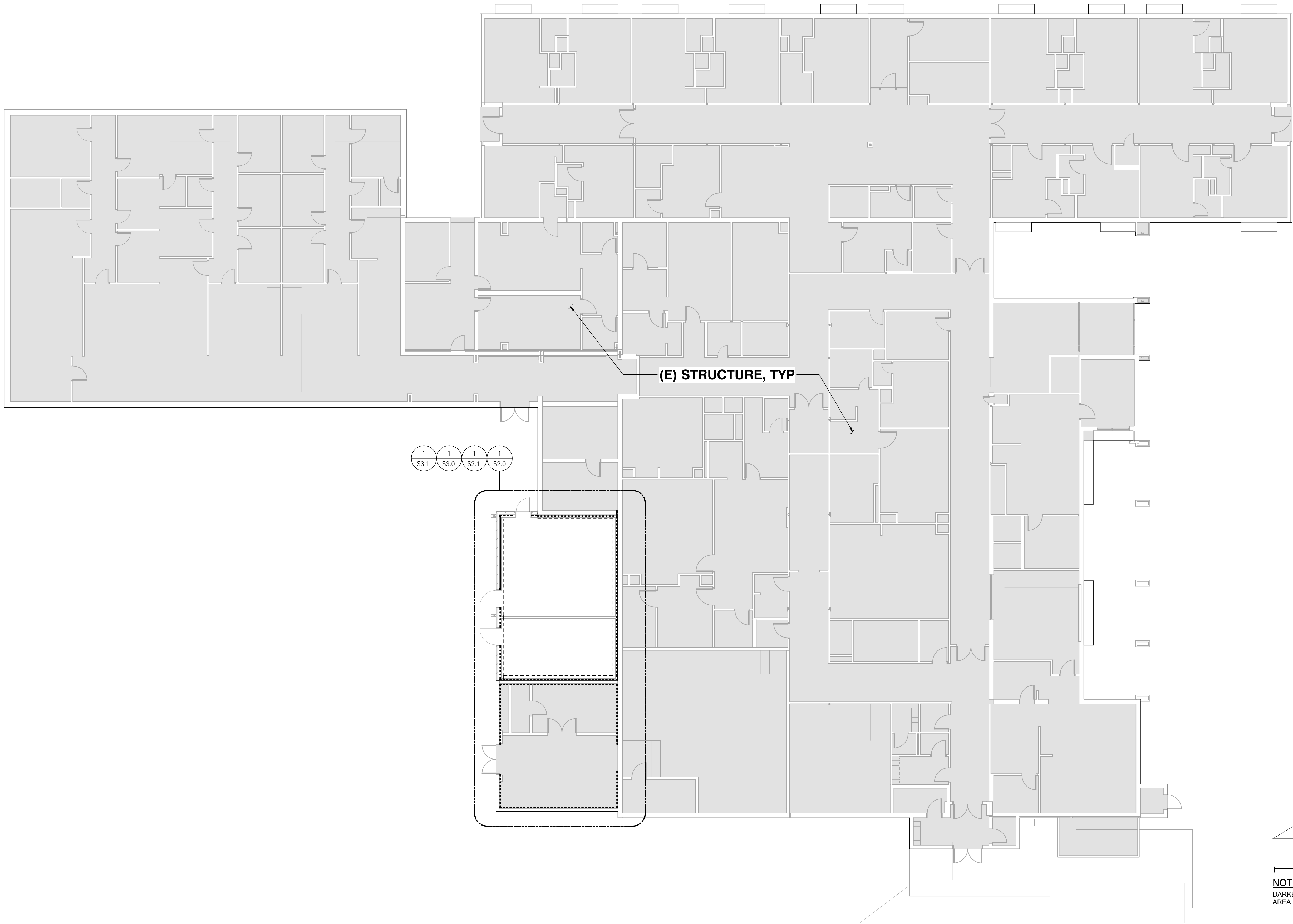
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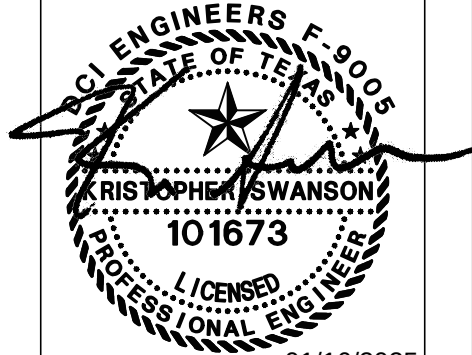
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OVERALL PLAN
SCALE: 3/32" = 1'-0"

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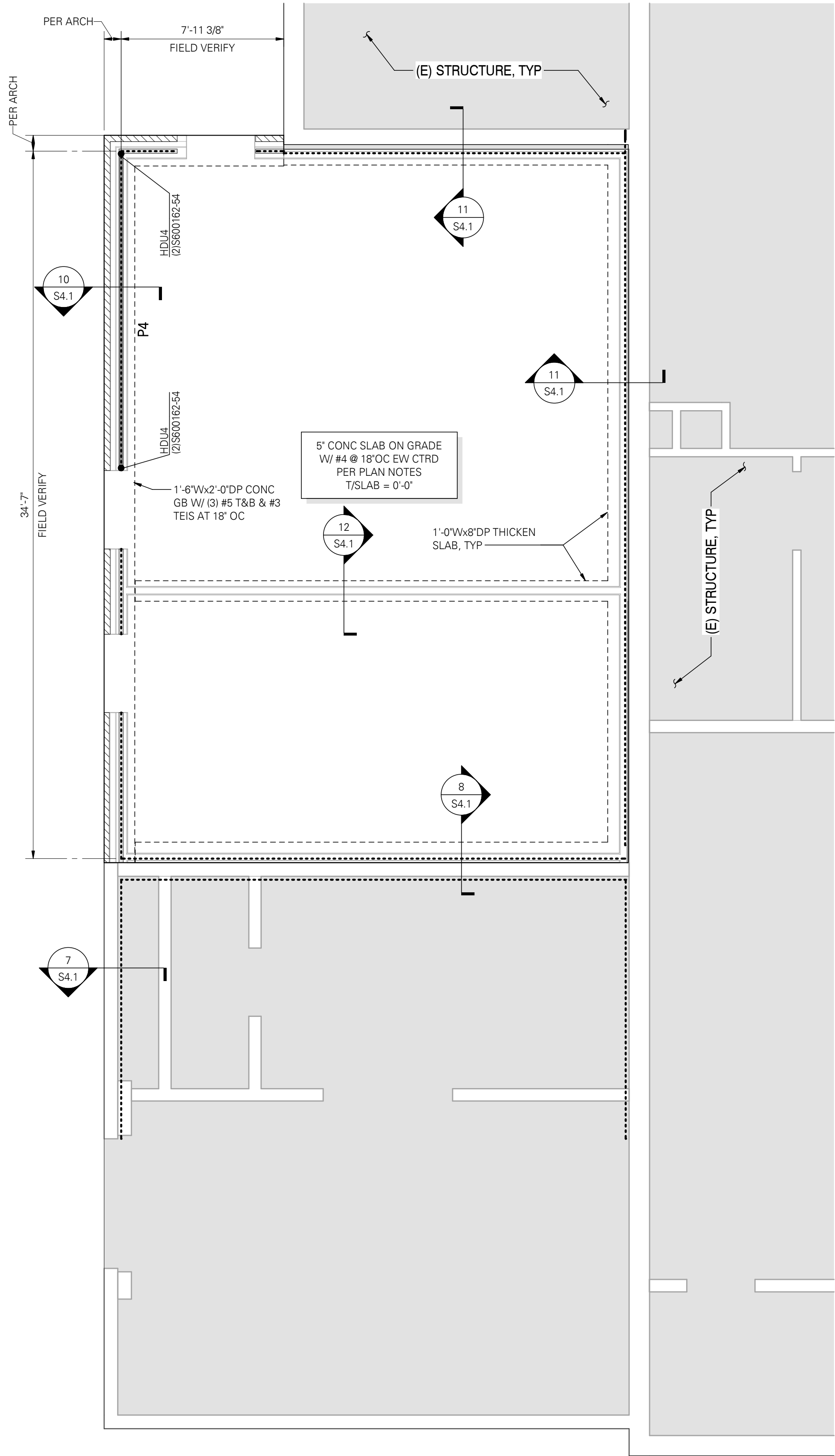
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STRUCTURAL - OVERALL PLAN

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FOUNDATION PLAN NOTES:

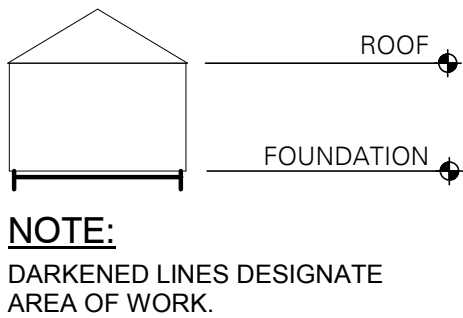
- STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S0.0 THROUGH S0.3.
- VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL LOCATE AND VERIFY THE FOLLOWING WITH OTHERS PRIOR TO POURING CONCRETE WALLS; DRAINS AND SLOPES; BLOCKOUTS FOR PLUMBING AND HVAC. ALL DUCTS, CHASES AND PIPES PER MECHANICAL, PLUMBING, ELECTRICAL.
- SUBGRADE PREPARATION, STRUCTURAL FILL, DRAINAGE SYSTEM AND OTHER REQUIREMENTS AS NOTED IN THE STRUCTURAL GENERAL NOTES.
- = 600S162-54 @ 16"OC LIGHT GAUGE STUD WALL.
- = INDICATES VENEER.
- = 400S162-54 @ 16"OC LIGHT GAUGE STUD WALL.
- SEE 4/S4.1 FOR GENERATOR/TRANSFORMER CONC PAD INFORMATION. CONC PAD LOCATION PER ARCH AND ELECTRICAL DWGS.
- TYPICAL DETAILS PER:

S4.0 TYPICAL FOUNDATION DETAILS

STUD AND SHEAR WALL PLAN NOTES:

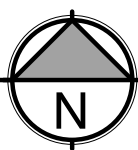
- STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S0.0 THROUGH S0.3.
- ALL INTERIOR NON-BEARING, NON-STRUCTURAL WALL STUDS AND DEFLECTION TRACKS SHALL BE DESIGNED BY STUD SUPPLIER. SUBMITTAL REQUIREMENTS PER STRUCTURAL GENERAL NOTES.
- BEARING STUDS TO BE CONTINUOUS TO FOUNDATION.
- BEARING WALL STUD AND TRACKS SHALL BE PER PLAN. STUDS SHALL ALIGN WITH STUDS AT LEVELS ABOVE AND BELOW. ATTACH TRACKS PER 1/S5.0 UNO IN SHEAR WALL SCHEDULE.
- PROVIDE BRIDGING @ 4'-0" ABOVE FINISHED FLOOR AT ALL BEARING WALLS. BRIDGING SHALL BE FLAT STRAP OR CHANNEL PER 5/S5.0.
- HD = INDICATES HOLD-DOWN TYPE PER HOLD-DOWN SCHEDULE 5/S5.1.
- TYPICAL DETAILS PER:

S5.0 TYPICAL LIGHT GAUGE DETAILS
S5.1 TYPICAL LIGHT GAUGE DETAILS



PHASE 1 - FOUNDATION AND STUD AND SHEAR WALL PLAN

SCALE: 3/8" = 1'-0"



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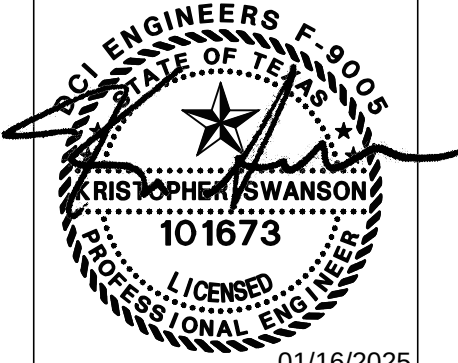
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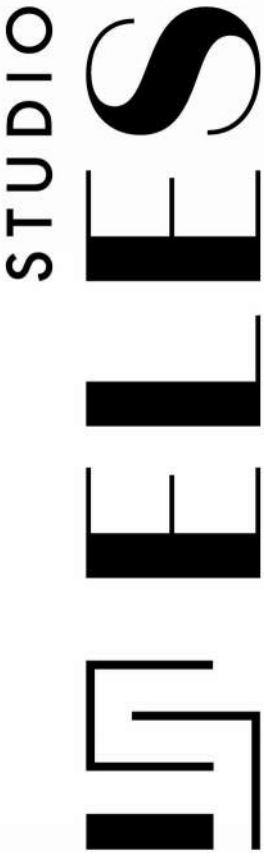
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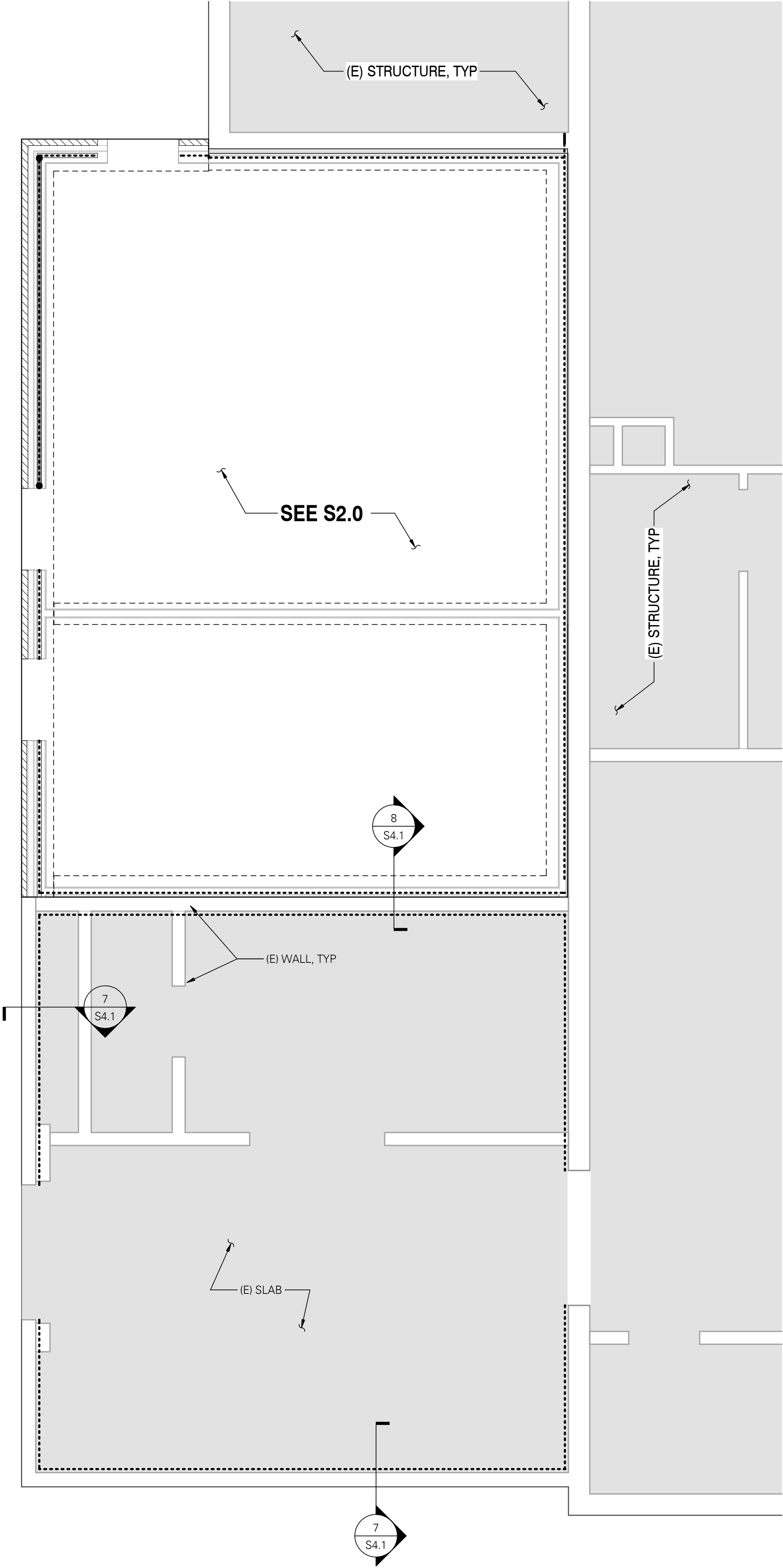
STRUCTURAL - PHASE 1 -
FOUNDATION AND STUD
AND SHEAR WALL PLAN

S2.0



Job No.: 24061-0056





FOUNDATION PLAN NOTES:

- STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S0.0 THROUGH S0.3.
- VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL LOCATE AND VERIFY THE FOLLOWING WITH OTHERS PRIOR TO POURING CONCRETE WALLS; DRAINS AND SLOPES; BLOCKOUTS FOR PLUMBING AND HVAC. ALL DUCTS, CHASES AND PIPES PER MECHANICAL, PLUMBING, ELECTRICAL.
- SUBGRADE PREPARATION, STRUCTURAL FILL, DRAINAGE SYSTEM AND OTHER REQUIREMENTS AS NOTED IN THE STRUCTURAL GENERAL NOTES.
-

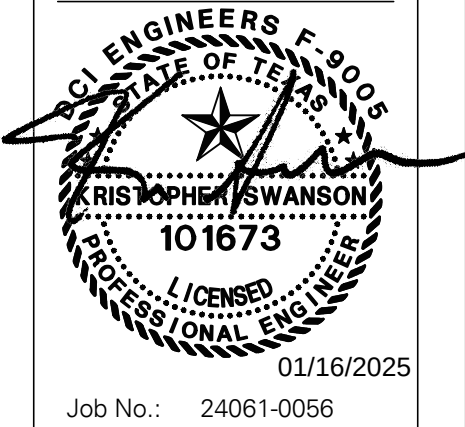
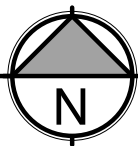
STUD AND SHEAR WALL PLAN NOTES:

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- ALL INTERIOR NON-BEARING, NON-STRUCTURAL WALL STUDS AND DEFLECTION TRACKS SHALL BE DESIGNED BY STUD SUPPLIER. SUBMITTAL REQUIREMENTS PER STRUCTURAL GENERAL NOTES.
- BEARING STUDS TO BE CONTINUOUS TO FOUNDATION.
- BEARING WALL STUD AND TRACKS SHALL BE PER PLAN. STUDS SHALL ALIGN WITH STUDS AT LEVELS ABOVE AND BELOW. ATTACH TRACKS PER 1/S5.0 UNO IN SHEAR WALL SCHEDULE.
- PROVIDE BRIDGING @ 4'-0" ABOVE FINISHED FLOOR AT ALL BEARING WALLS. BRIDGING SHALL BE FLAT STRAP OR CHANNEL PER 5/S5.0.
-
- TYPICAL DETAILS PER:
S5.0 TYPICAL LIGHT GAUGE DETAILS
S5.1 TYPICAL LIGHT GAUGE DETAILS

NOTE:
DARKENED LINES DESIGNATE
AREA OF WORK.

PHASE 2 - FOUNDATION AND STUD AND SHEAR WALL PLAN

SCALE: 3/8" = 1'-0"



**LYNN COUNTY HEALTHCARE SYSTEM
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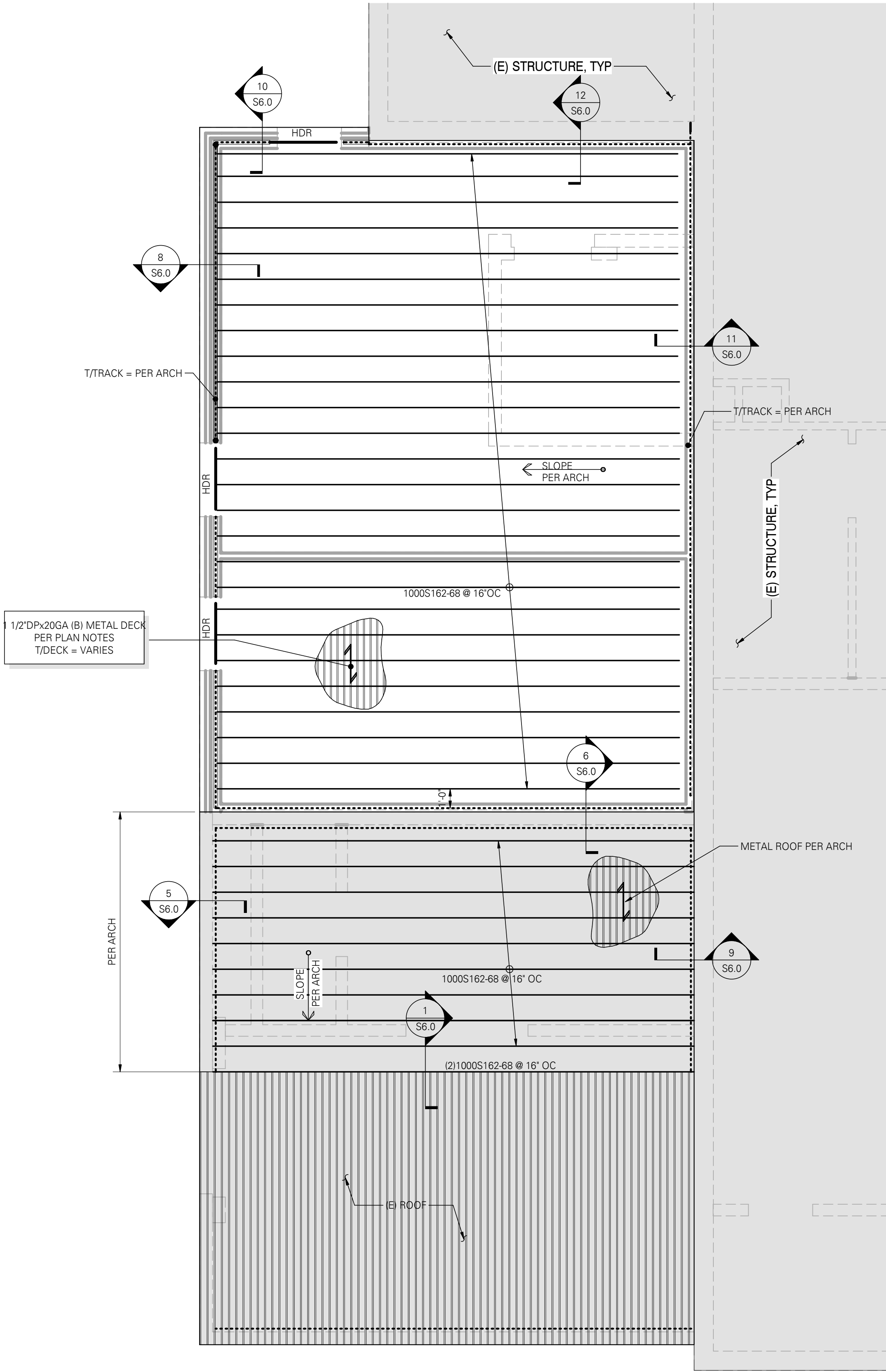
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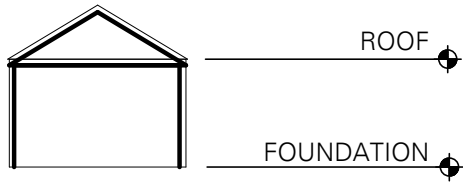
**STRUCTURAL - PHASE 2 -
FOUNDATION AND STUD
AND SHEAR WALL PLAN**

S2.1



ROOF FRAMING PLAN NOTES:

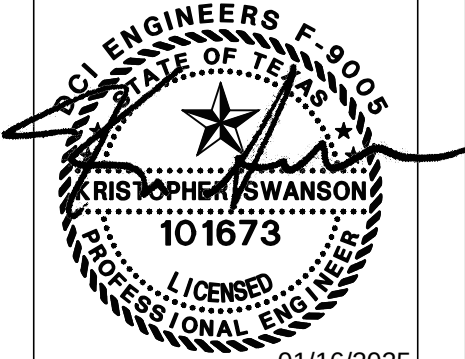
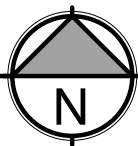
1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S0.0 THROUGH S0.3.
2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.
3. ALL DUCTS, CHASES AND PIPES SHALL BE PER MECHANICAL, PLUMBING, ELECTRICAL AND SPRINKLER DRAWINGS. STAIR DETAILS AND GUARDRAILS PER ARCHITECTURAL DRAWINGS.
4. HEADERS SHOWN BUT NOT SPECIFIED ARE TO BE (2)1000S162-68.
5. PROVIDE SOLID BLOCKING OVER ALL SHEAR WALLS AND BEARING WALLS. AT SHEAR WALLS PARALLEL TO FRAMING, ALIGN JOIST OR TRUSS OVER SHEAR WALL (ADDITIONAL JOISTS MAY BE REQUIRED).
6. BEARING STUD, SHEAR WALL, HOLD-DOWN, PER PLAN.
7. T/TRACK = PER PLAN.
8. CMU OPENINGS PER 6/S4.1
9. TYPICAL DETAILS PER:
S5.0 TYPICAL LIGHT GAUGE DETAIL
S5.1 TYPICAL LIGHT GAUGE DETAIL



NOTE:
DARKENED LINES DESIGNATE
AREA OF WORK.

PHASE 1 - FRAMING PLAN

SCALE: 3/8" = 1'-0"



Job No.: 24061-0056

LYNN COUNTY HEALTHCARE SYSTEM
ELECTRICAL UPGRADE

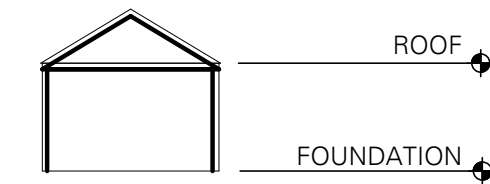
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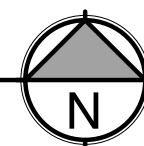
11.14.2025

STRUCTURAL - PHASE 1 -
FRAMING PLAN

S3.0



SCALE: 3/8" = 1'-0"



1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S0.0 THROUGH S0.3.
2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.
3. ALL DUCTS, CHASES AND PIPES SHALL BE PER MECHANICAL, PLUMBING, ELECTRICAL AND SPRINKLER DRAWINGS. STAIR DETAILS AND GUARDRAILS PER ARCHITECTURAL DRAWINGS.
4. HEADERS SHOWN BUT NOT SPECIFIED ARE TO BE (2)1000S162-68.
5. PROVIDE SOLID BLOCKING OVER ALL SHEAR WALLS AND BEARING WALLS. AT SHEAR WALLS PARALLEL TO FRAMING, ALIGN JOIST OR TRUSS OVER SHEAR WALL (ADDITIONAL JOISTS MAY BE REQUIRED).
6. BEARING STUD, SHEAR WALL, HOLD-DOWN, PER PLAN.
7. T/TRACK = PER PLAN.
8. CMU OPENINGS PER 6/S4.1
9. TYPICAL DETAILS PER:

S5.0 TYPICAL LIGHT GAUGE DETAIL
S5.1 TYPICAL LIGHT GAUGE DETAIL



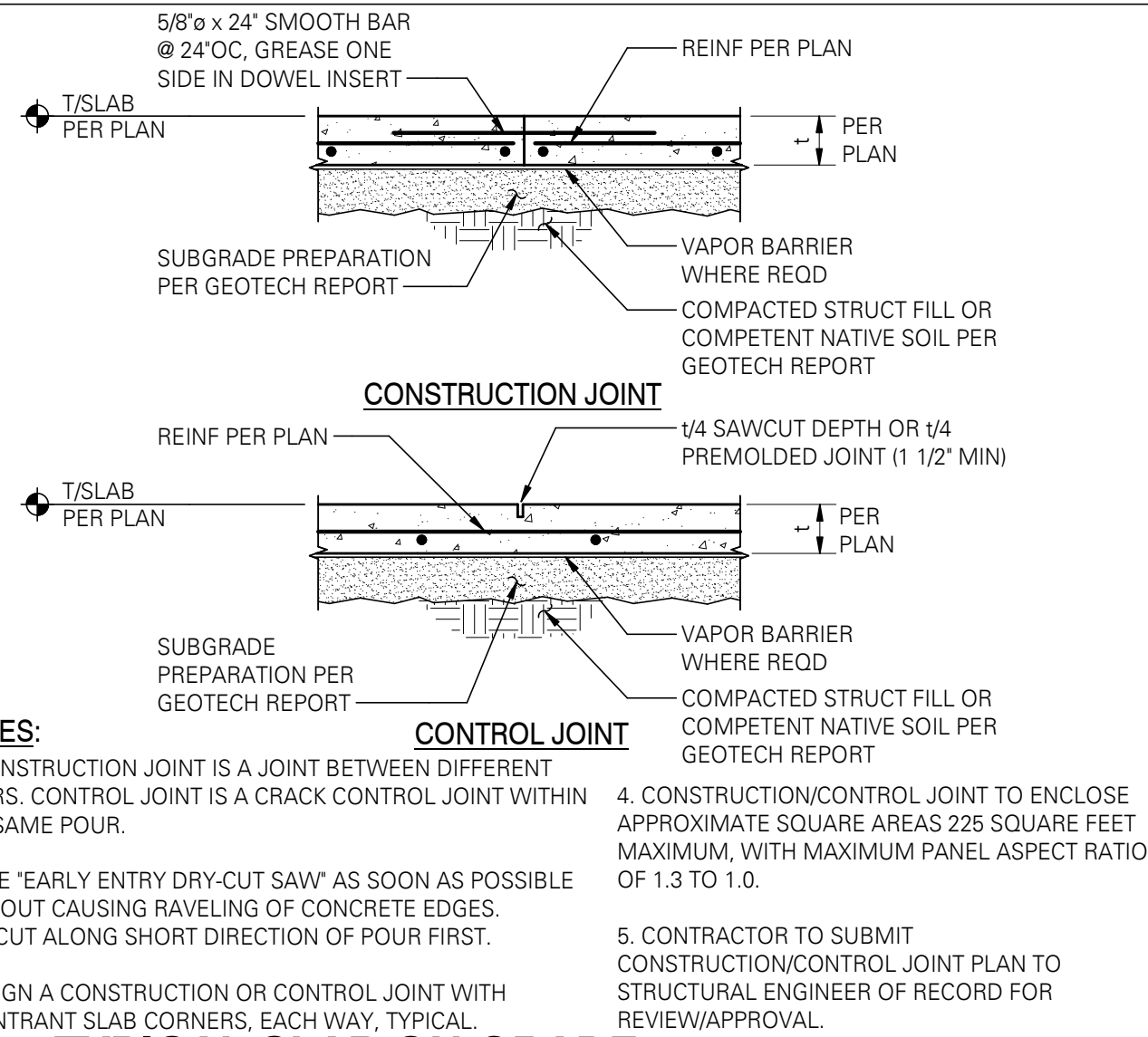
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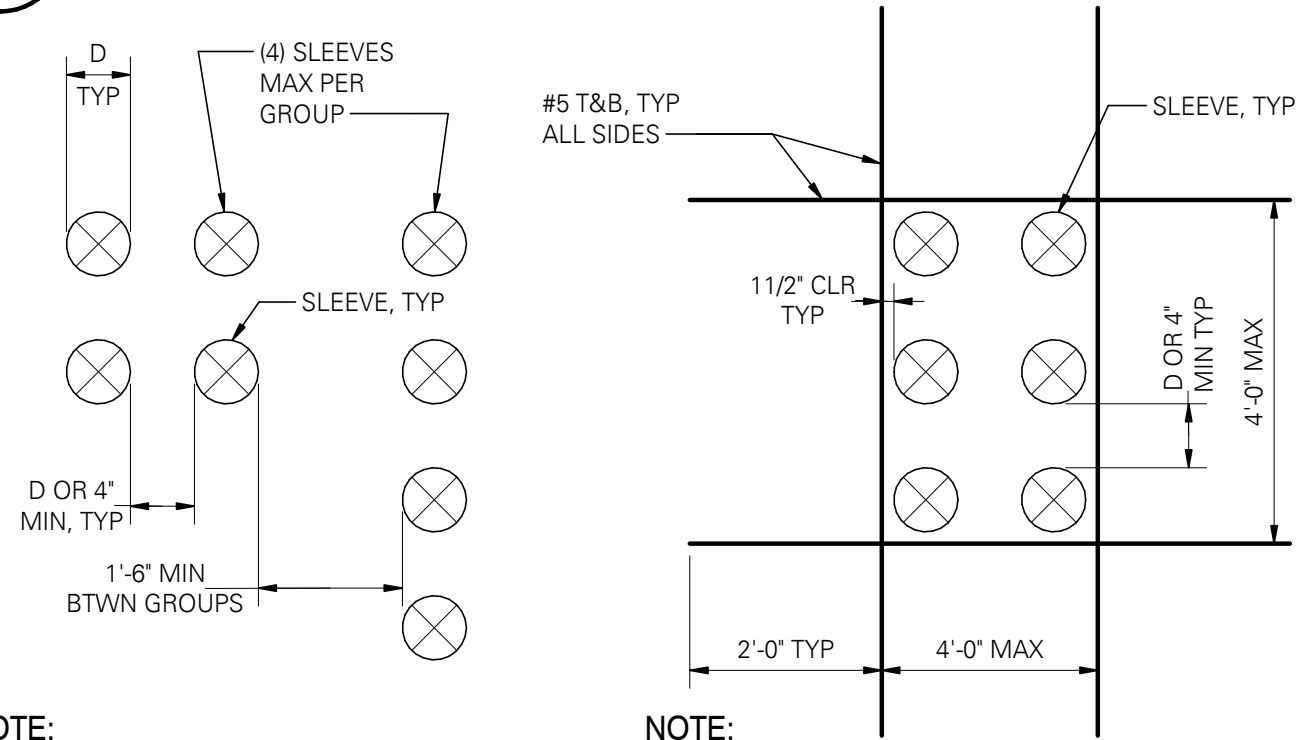
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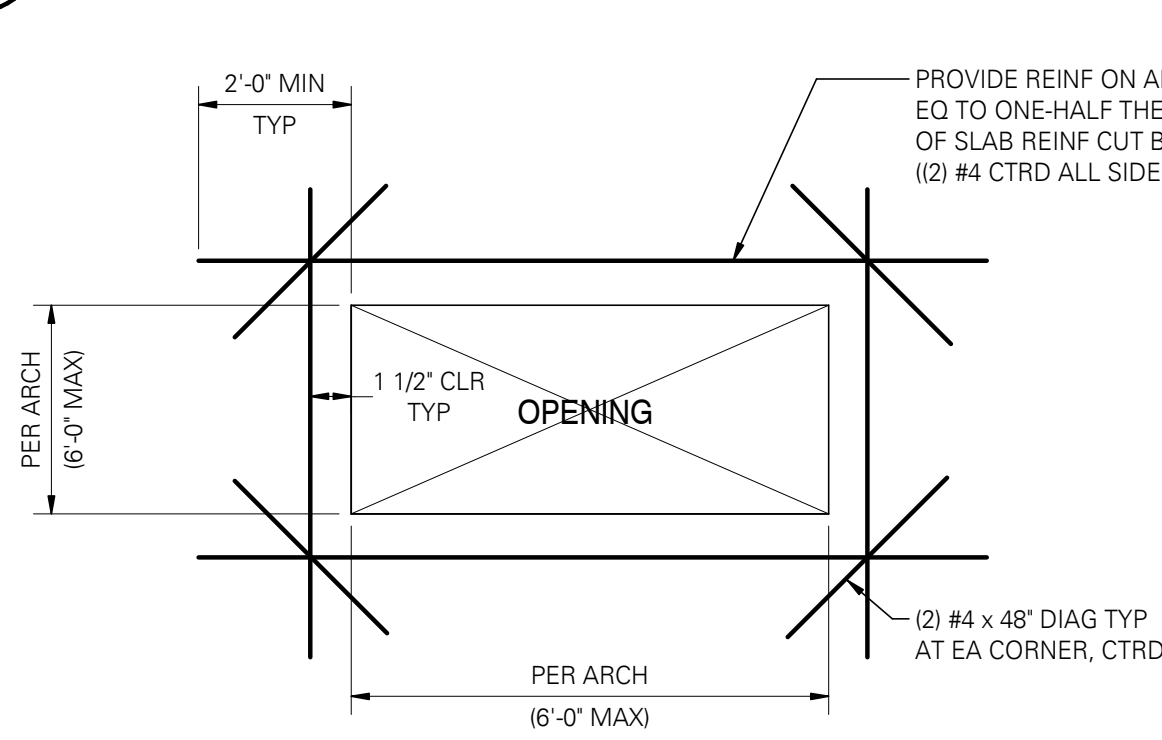
TYPICAL SLAB ON GRADE JOINT DETAILS WITH REINFORCING

SCALE: 3/4" = 1'-0" (03201)



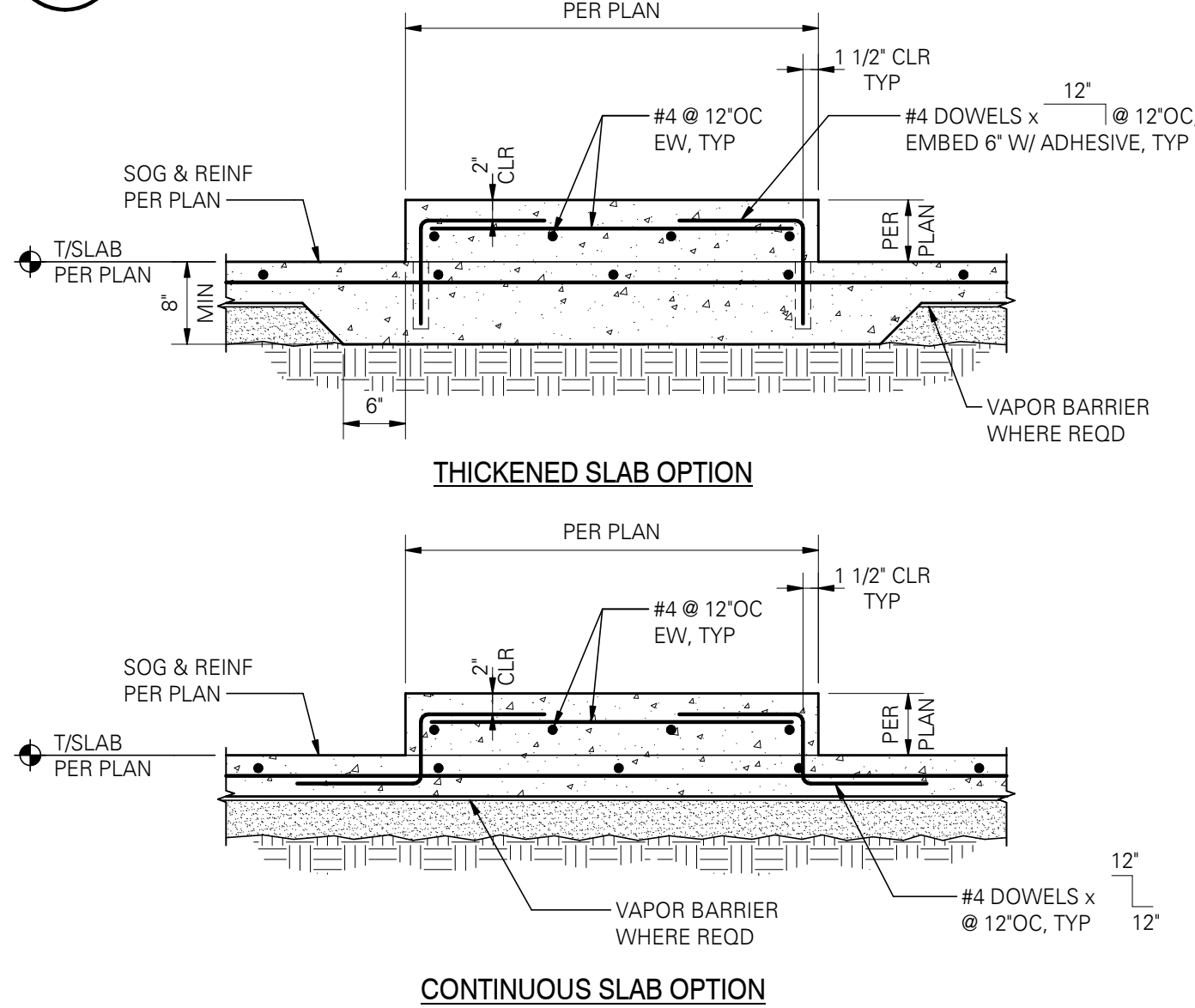
PLAN - TYPICAL REINFORCING AT SLAB EDGE CORNERS

SCALE: 1/2" = 1'-0" (03304)



PIPE OR CONDUIT EMBEDDED IN SLAB ON GRADE

SCALE: 3/4" = 1'-0" (03204)



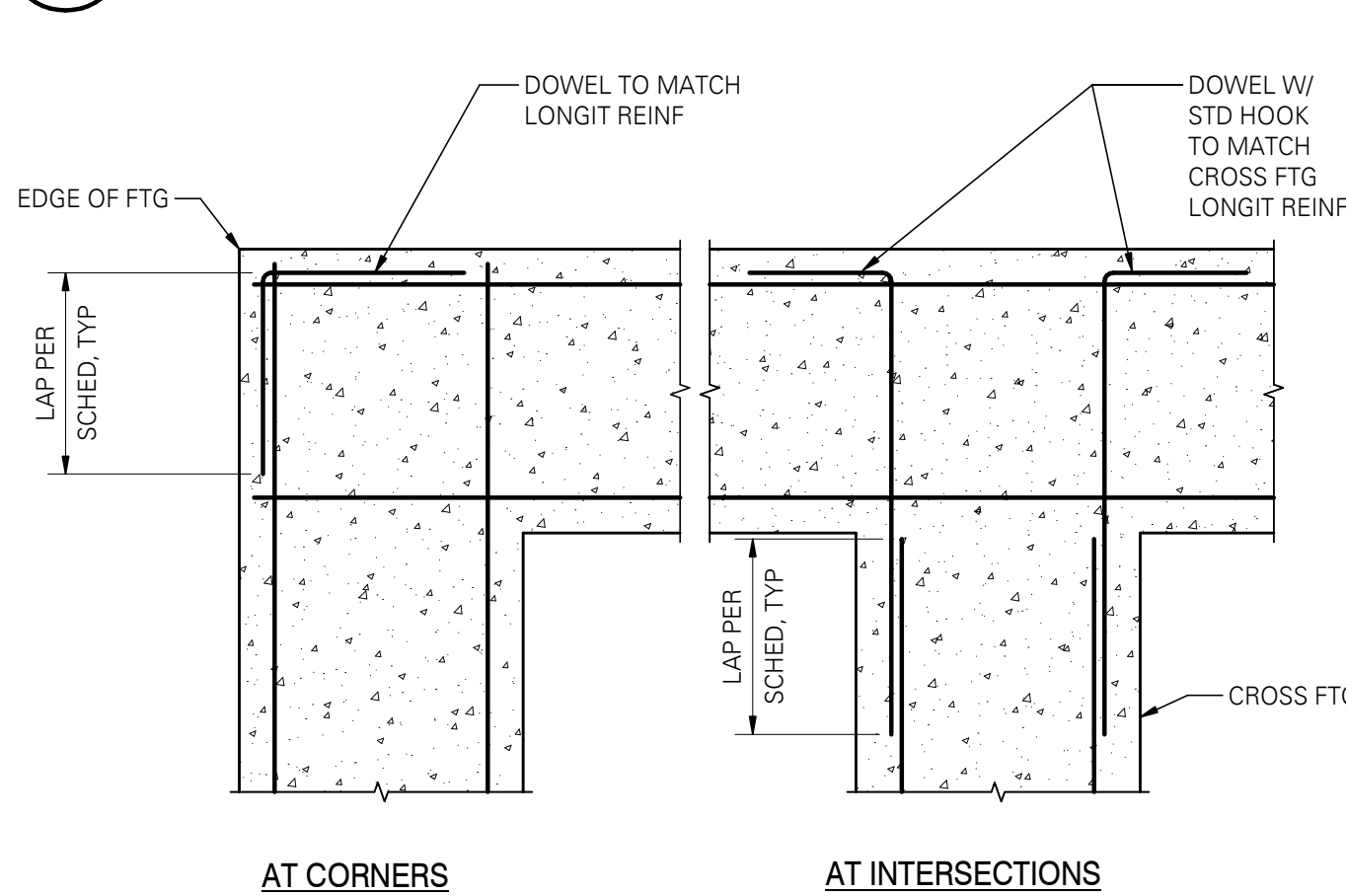
STANDARD HOOKS AND BENDS

SCALE: 3/4" = 1'-0" (03400)



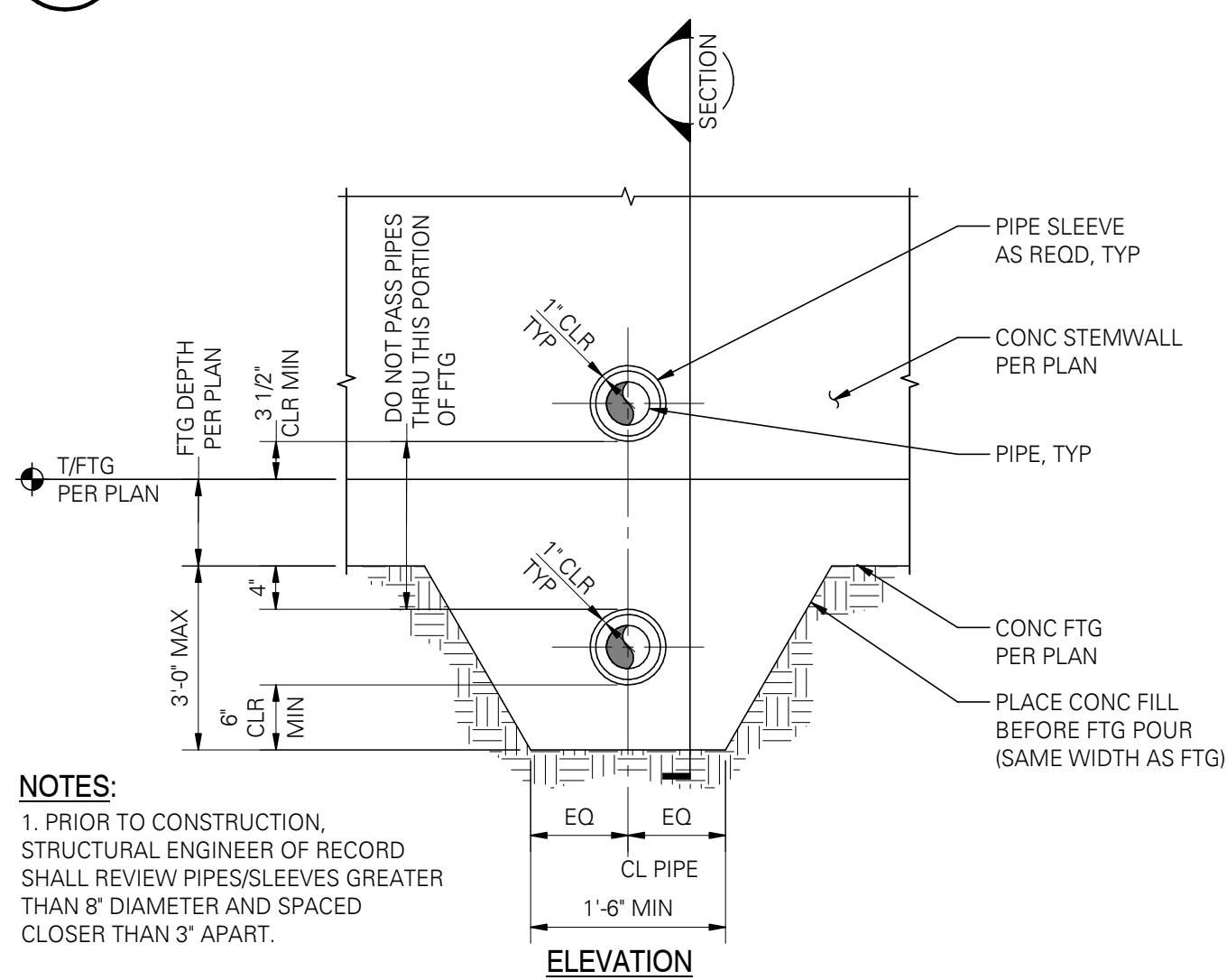
PLANS - SLEEVES THRU CONCRETE SLAB

SCALE: 1/2" = 1'-0" (03261)



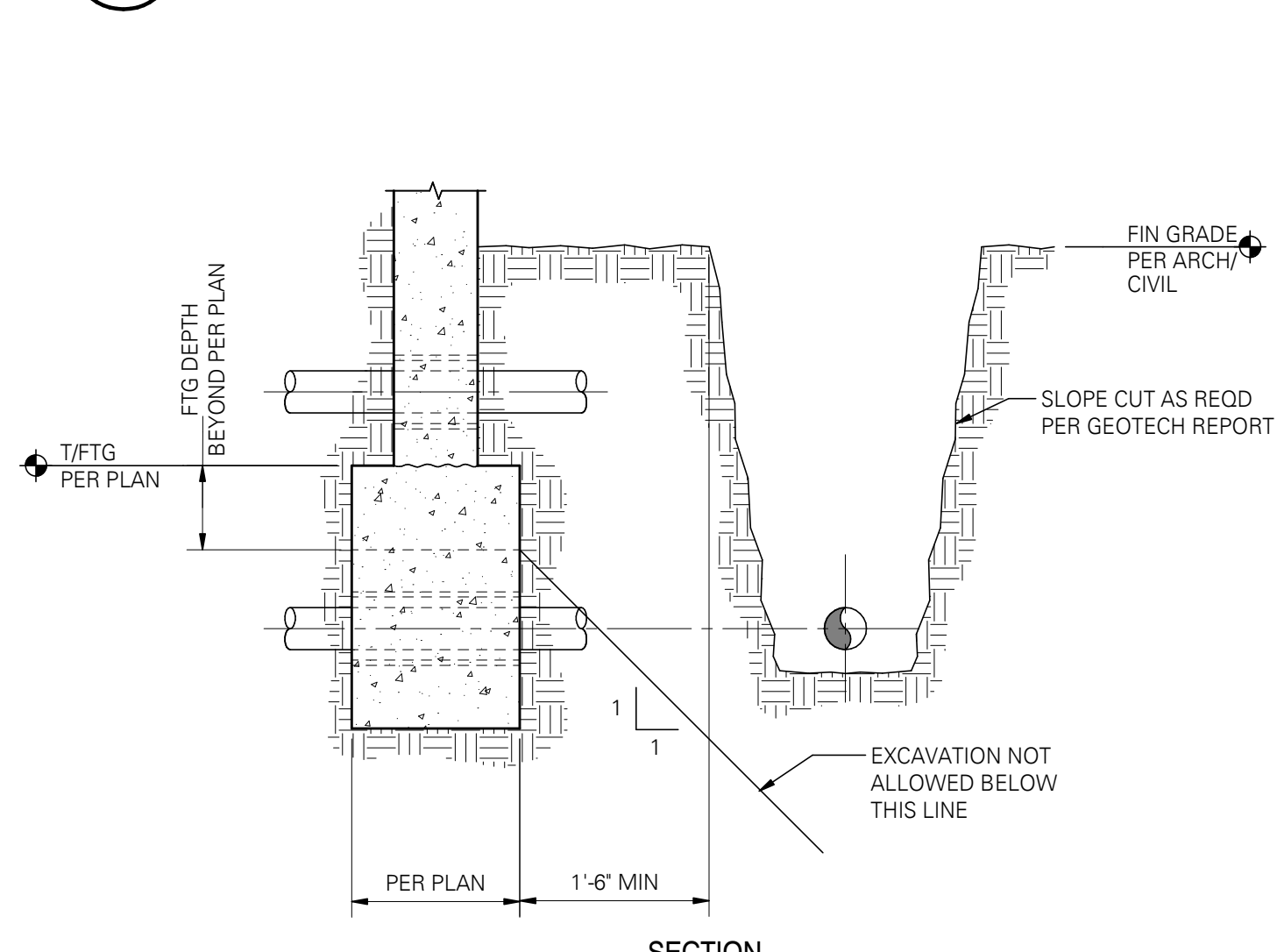
PLAN - TYPICAL SLAB OPENING REINFORCING AT SLAB ON GRADE

SCALE: 3/4" = 1'-0" (03220A)



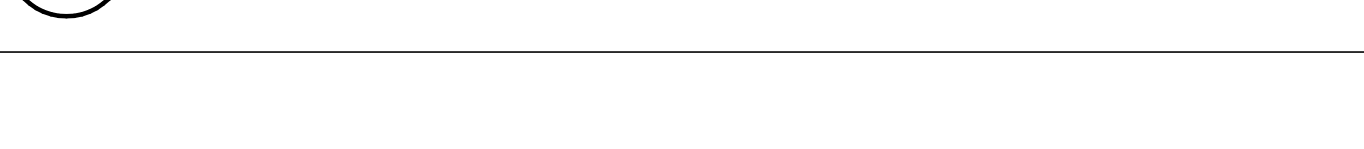
CONCRETE PAD ON SLAB ON GRADE

SCALE: 3/4" = 1'-0" (03205)



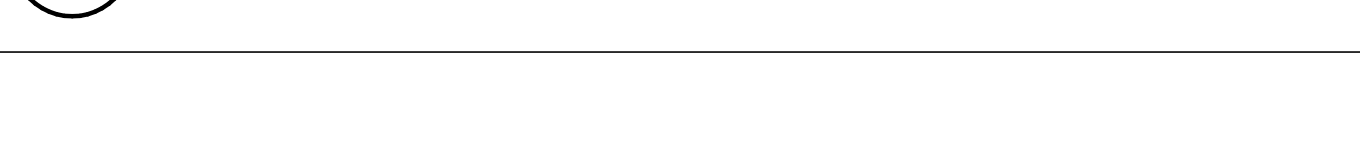
PLAN - TYPICAL CORNER REINFORCING AT CONCRETE FOOTINGS

SCALE: 3/4" = 1'-0" (03132)



TYPICAL PIPE AND TRENCH LOCATIONS AT CONCRETE STEMWALL/FOOTING

SCALE: 3/4" = 1'-0" (03190)



TYPICAL LAP SPLICE AND DEVELOPMENT LENGTH SCHEDULE

SCALE: 3/4" = 1'-0" (01400M)

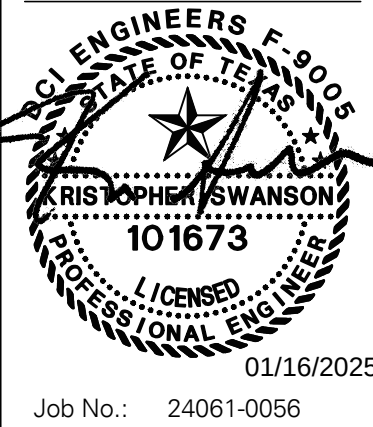
01400		GRADE 60 REINFORCING				
BAR SIZE	MISCELLANEOUS BARS		TOP BARS (see note #5)		HOOKED BARS	
	Ld	Splice	Ld	Splice	Ldh	
f'c = 4000psi						
#3	15	19	19	25	8	
#4	19	25	25	33	10	
#5	24	31	31	41	12	
#6	29	37	37	49	15	
#7	42	54	54	71	17	
#8	48	62	62	81	19	
#9	54	70	70	91	22	
#10	61	79	79	102	25	
#11	67	87	87	114	27	

NOTES:

- ALL TABULATED VALUES ARE IN INCHES.
- VALUES FOR UNCOATED REINFORCING AND NORMAL WEIGHT CONCRETE WITH CLEAR SPACING > db, CLEAR COVER > db AND MINIMUM STIRRUPS OR TIES THROUGHOUT Ld OR CLEAR SPACING > 2db AND CLEAR COVER > db.
- DEVELOP ALL REINFORCING IN STRUCTURAL SLABS WITH MINIMUM DEVELOPMENT LENGTH Ld.
- Ldh = DEVELOPMENT LENGTH OF BAR WITH STANDARD HOOK.
- TOP BAR = HORIZONTAL BAR WITH MORE THAN 12" OF FRESH CONCRETE BELOW OR AS NOTED ON DOCUMENTS AS 'TOP BAR'.
- LAP SPLICE OF DIFFERENT SIZED BARS TO BE THE LARGER OF Ld OF THE LARGER BAR OR SPLICE LENGTH OF THE SMALLER BAR.

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STRUCTURAL - TYPICAL FOUNDATION DETAILS

S4.0

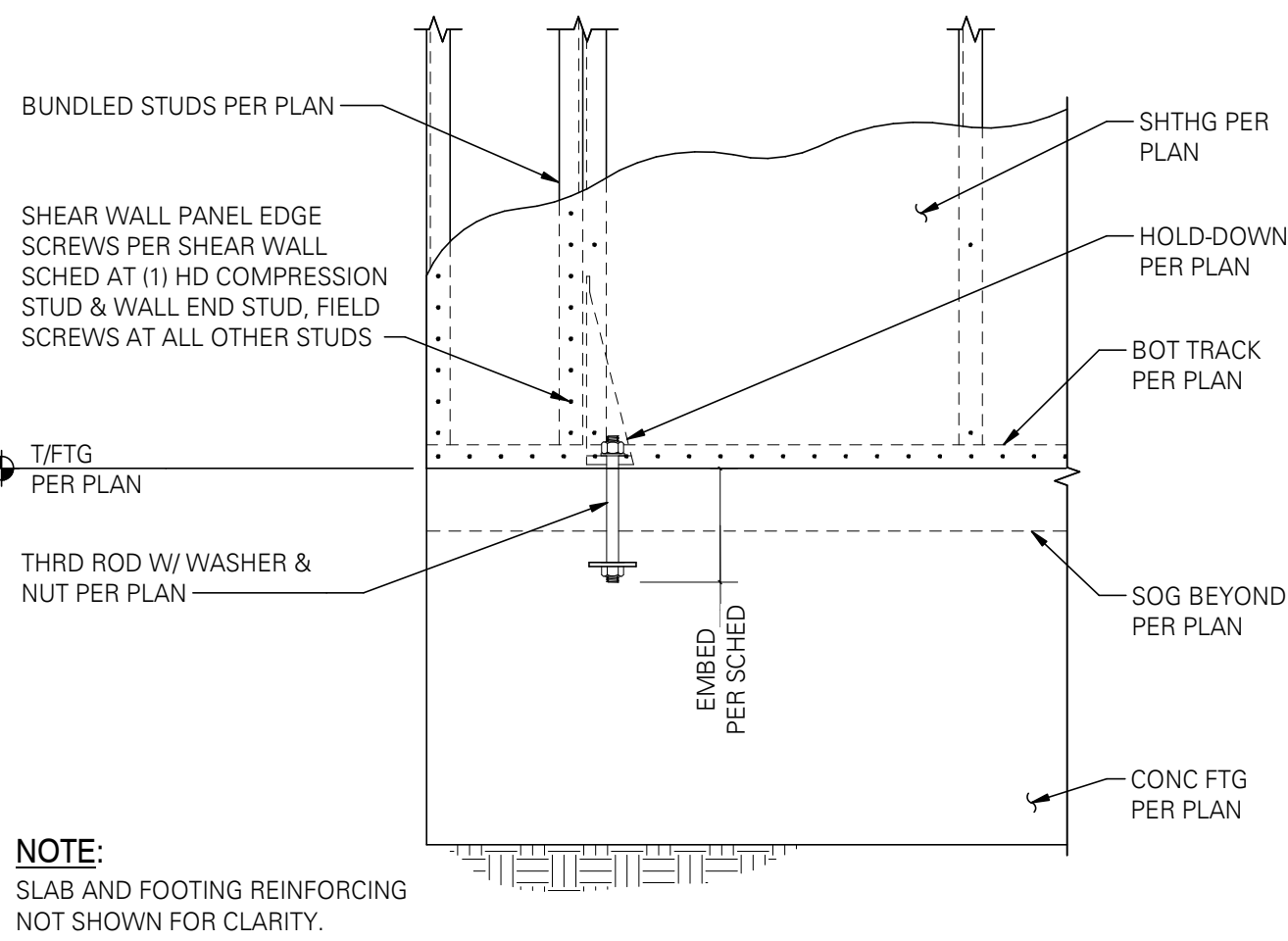


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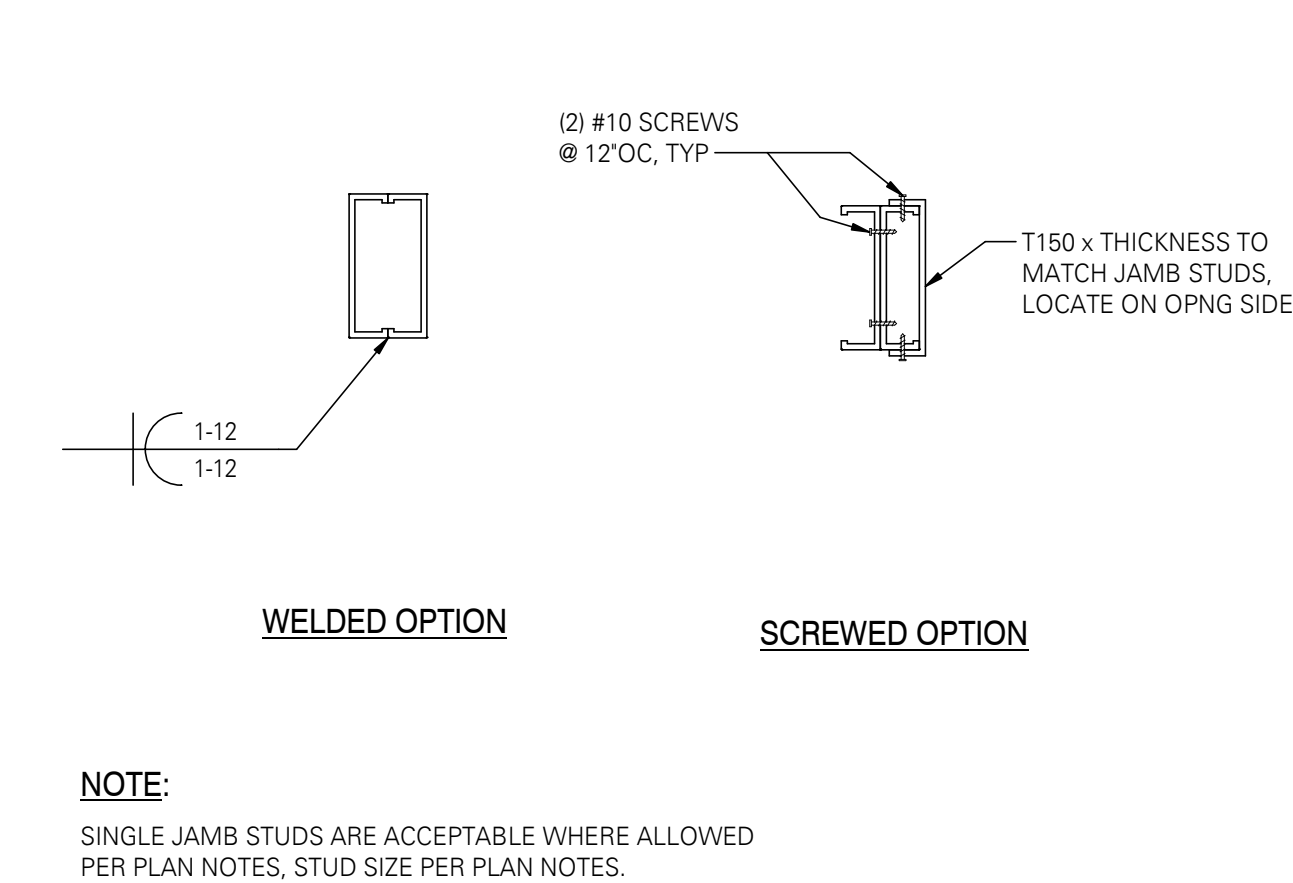
1 HOLD-DOWN TO FOOTING

SCALE: 1" = 1'-0" (07081)



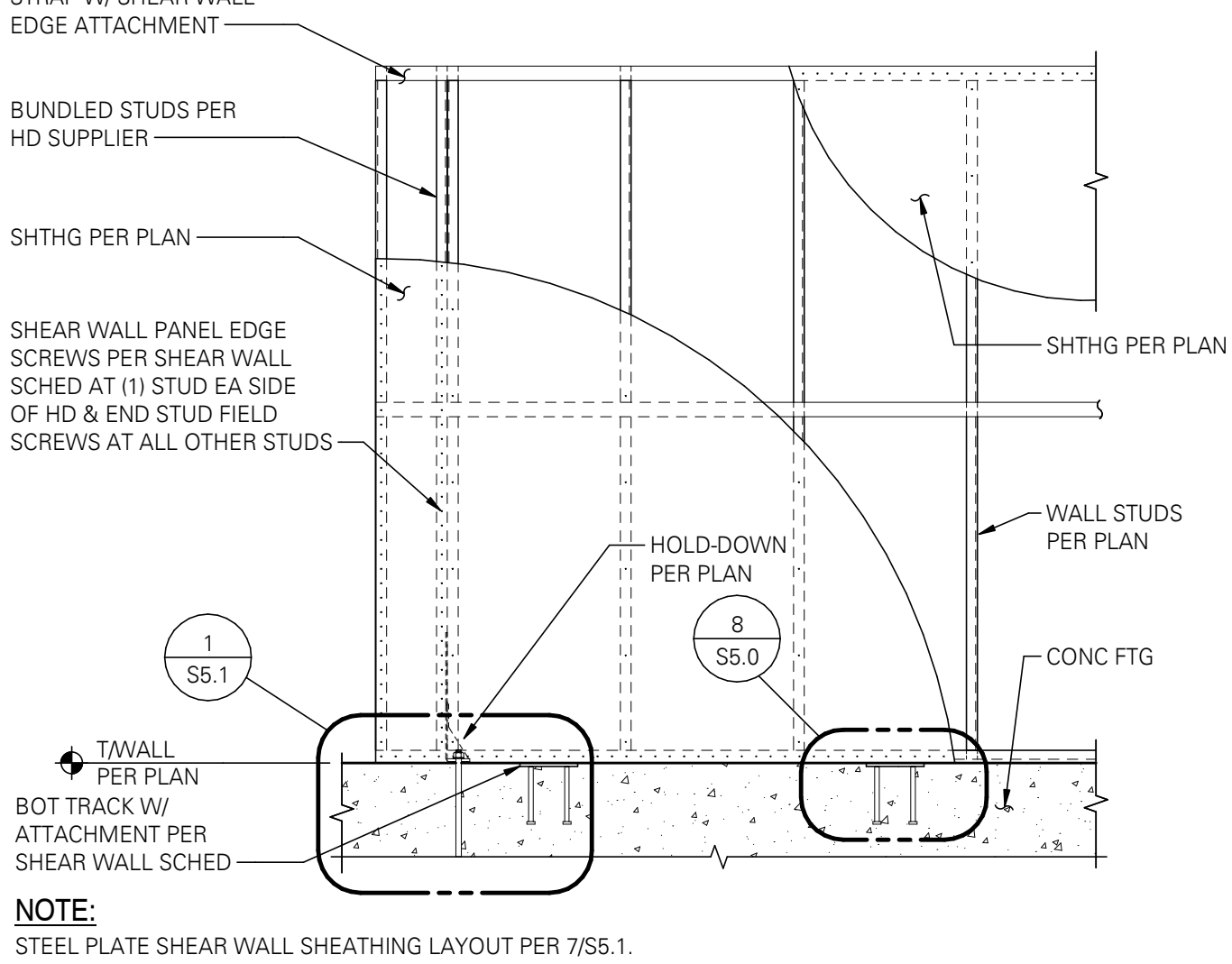
2 TYPICAL JAMB STUD DETAIL

SCALE: 1 1/2" = 1'-0" (07103)



3 TYPICAL SHEAR WALL ELEVATION

SCALE: 1/2" = 1'-0" (07080)



5 SHEAR WALL SCHEDULE - OSB SHEATHING

SCALE: 1" = 1'-0" (01434EM)

NOTES:

- [1] TYPICAL SHEAR WALL ELEVATION PER 3/S5.1.
- [2] PROVIDE BRIDGING AT ALL SHEAR WALLS PER 5/S5.0.
- [3] PROVIDE BLOCKING AT ALL PANEL EDGES.
- [4] PROVIDE MINIMUM (2) STUDS AT EACH END OF SHEAR WALL CONNECTED TOGETHER WITH (2) #10 SCREWS @ 12"OC OR 1" LONG WELDS @ 12"OC.
- [5] STUDS SHALL HAVE MINIMUM FLANGE WIDTH OF 1 5/8". RIM TRACK SHALL BE 54MIL MINIMUM.
- [6] STUD AND TRACK THICKNESS MAY BE GOVERNED BY BEARING WALL REQUIREMENTS, PER PLAN.
- [7] INSTALL SHEATHING EITHER VERTICALLY OR HORIZONTALLY.
- [8] ATTACH SHEATHING TO STEEL STUD FRAMING WITH #8 x 1 1/4" SELF-DRILLING/SELF-TAPPING 3/4" LONG DRILL TIP BUGLE HEAD SCREWS (MINIMUM SHANK $\phi = 0.164$ ", MINIMUM HEAD $\phi = 0.3145$ "). SCREW FASTENER HEAD MUST BE FLUSH WITH PANEL SURFACE AND PENETRATE INTO THE STEEL STUD FRAMING MEMBER A MINIMUM OF (3) EXPOSED THREADS. INSTALL FASTENER WITH A MINIMUM 3/8" EDGE DISTANCE.
- [9] PROVIDE FASTENERS @ 12"OC ALONG INTERMEDIATE FRAMING MEMBERS.

01421					
HOLD-DOWN SCHEDULE [1]					
TYPE	STUDS REQUIRED AT HOLD-DOWN [2]	SCREWS	ANCHOR		CAPACITY (LBS) [5]
			CONCRETE EMBEDMENT [5]	DIAMETER	
			SPREAD FOOTING		
			CIP OR ADHESIVE [3, 4]		
					54MIL
S/HDU4	(2) 600S162-54	(6) #14	8"	5/8"	3970

NOTES:

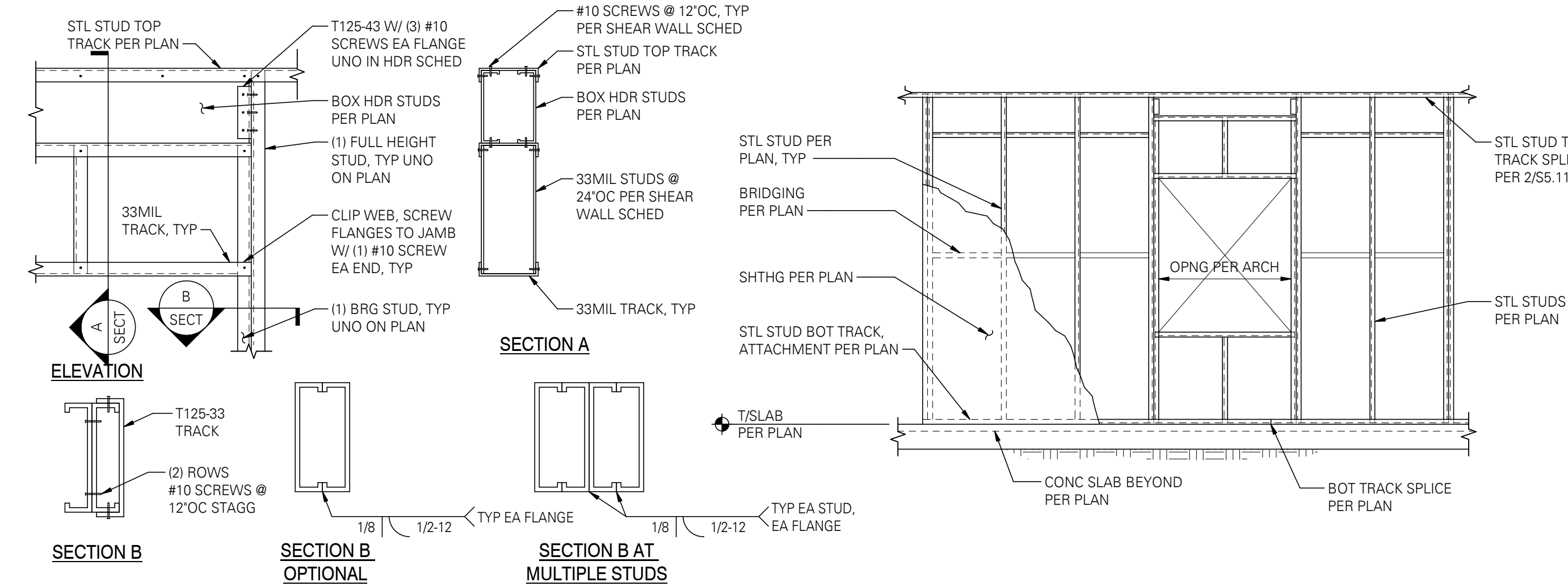
- [1] TYPICAL SHEAR WALL ELEVATION PER 3/S5.1. TYPICAL HOLD-DOWN DETAILS PER 1/S5.1.
- [2] PROVIDE PANEL EDGE SCREWS AT HOLD-DOWN STUDS PER SHEAR WALL SCHEDULE. CONNECT STUDS TOGETHER PER STRUCTURAL GENERAL NOTES. PROVIDE BACK TO BACK STUDS FOR HOLD-DOWN TO CONNECT TO AT END OF STUD BUNDLE.
- [3] CAST IN PLACE (CIP) TYPE ANCHOR BOLTS AT HOLD-DOWNS SHALL HAVE A HEX HEAD WITH A STANDARD CUT WASHER UNO.
- [4] THREADED ROD WITH ADHESIVE PER STRUCTURAL GENERAL NOTES.
- [5] BASED ON MINIMUM $f'_c = 4000$ PSI CONCRETE.
- [6] STEMWALLS SHALL BE 6" WIDE MINIMUM FOR 5/8" ϕ AND SMALLER ANCHOR BOLTS AND 8" WIDE MINIMUM FOR 7/8" ϕ AND LARGER ANCHOR BOLTS.

9 HOLD-DOWN SCHEDULE

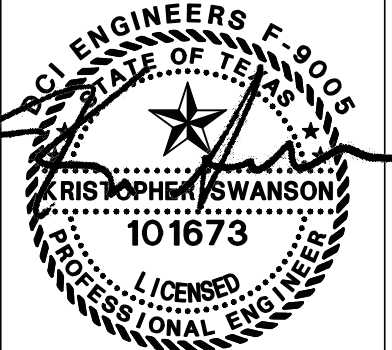
SCALE: 1" = 1'-0" (01421M)

7 TYPICAL BEARING WALL ELEVATION

SCALE: 1" = 1'-0" (07330)



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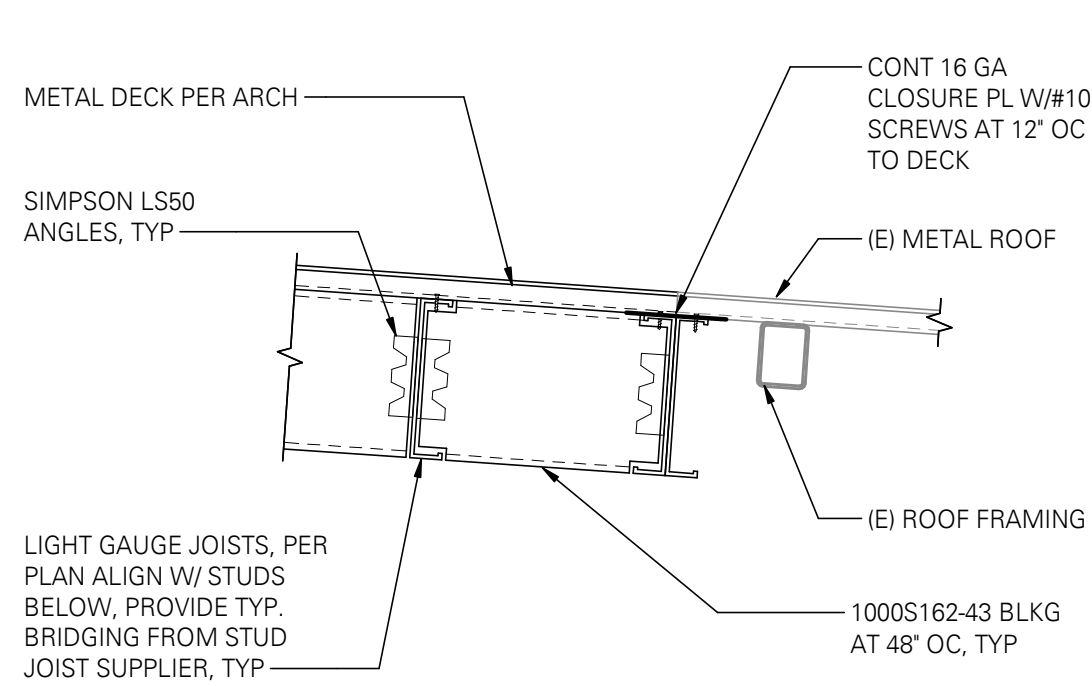
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STRUCTURAL - TYPICAL LIGHT
GAUGE DETAILS

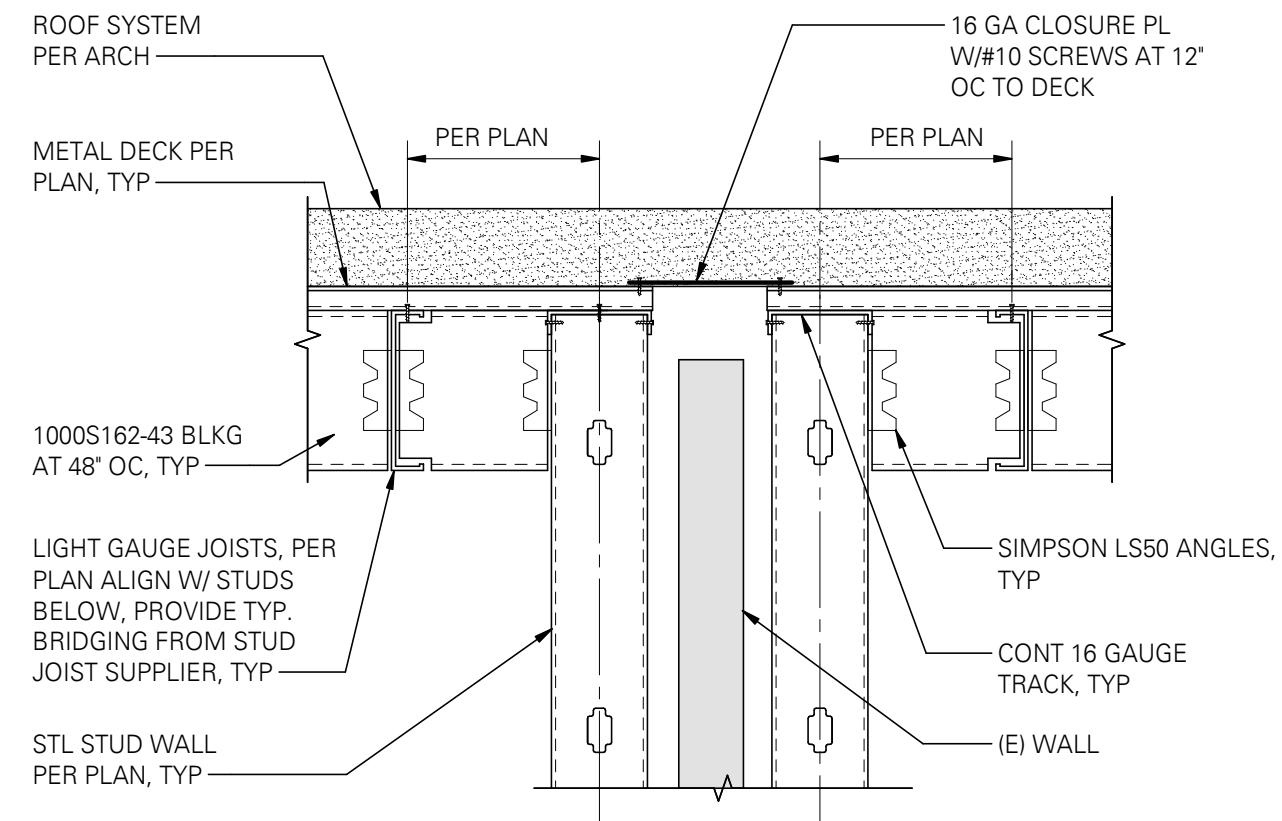
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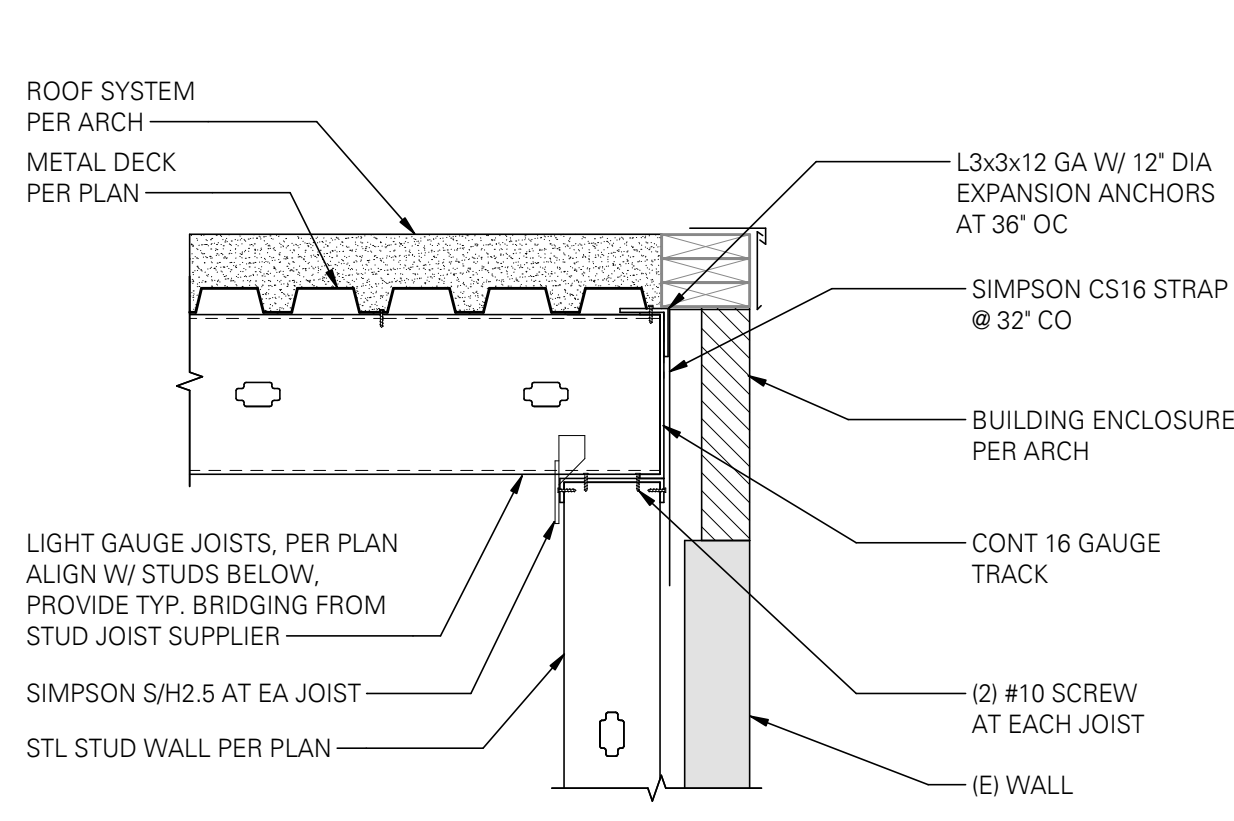
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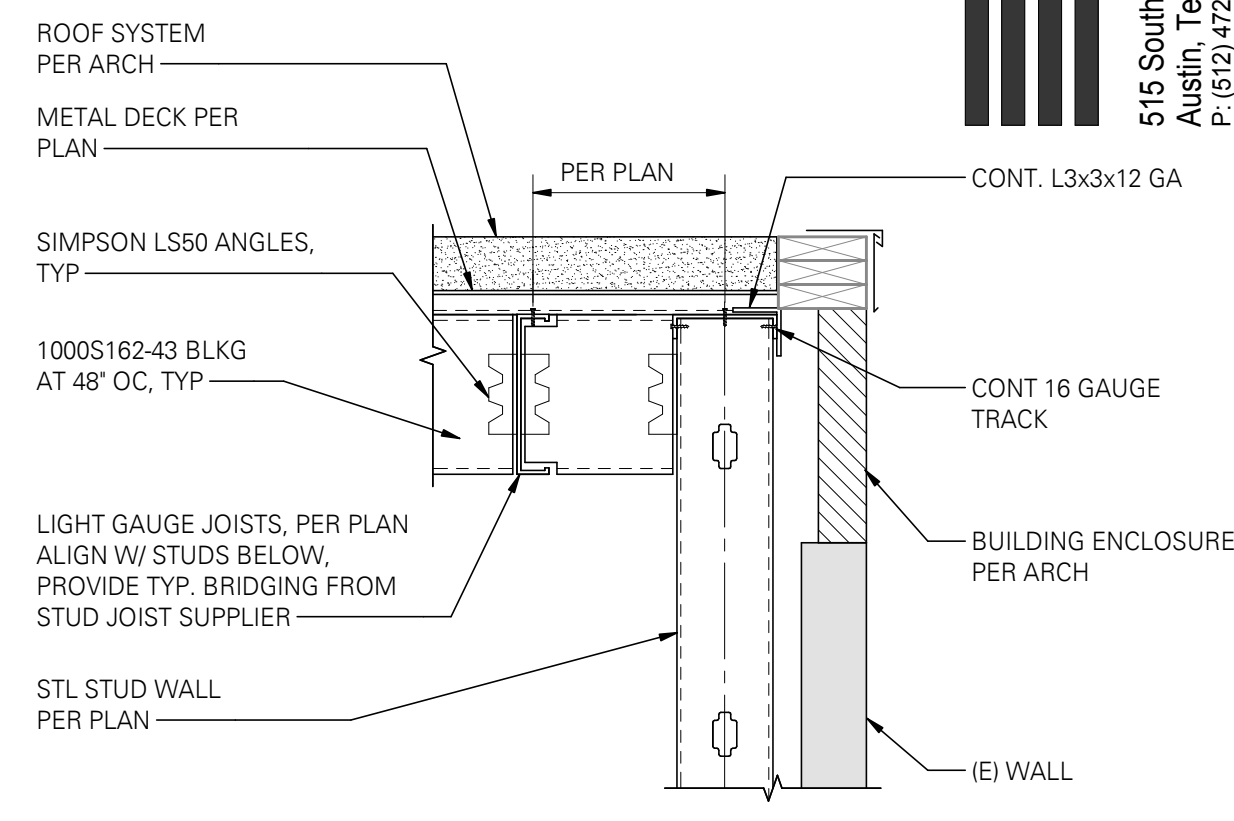
1 NEW ROOF AT EXISTING CONNECTION
SCALE: 1" = 1'-0"



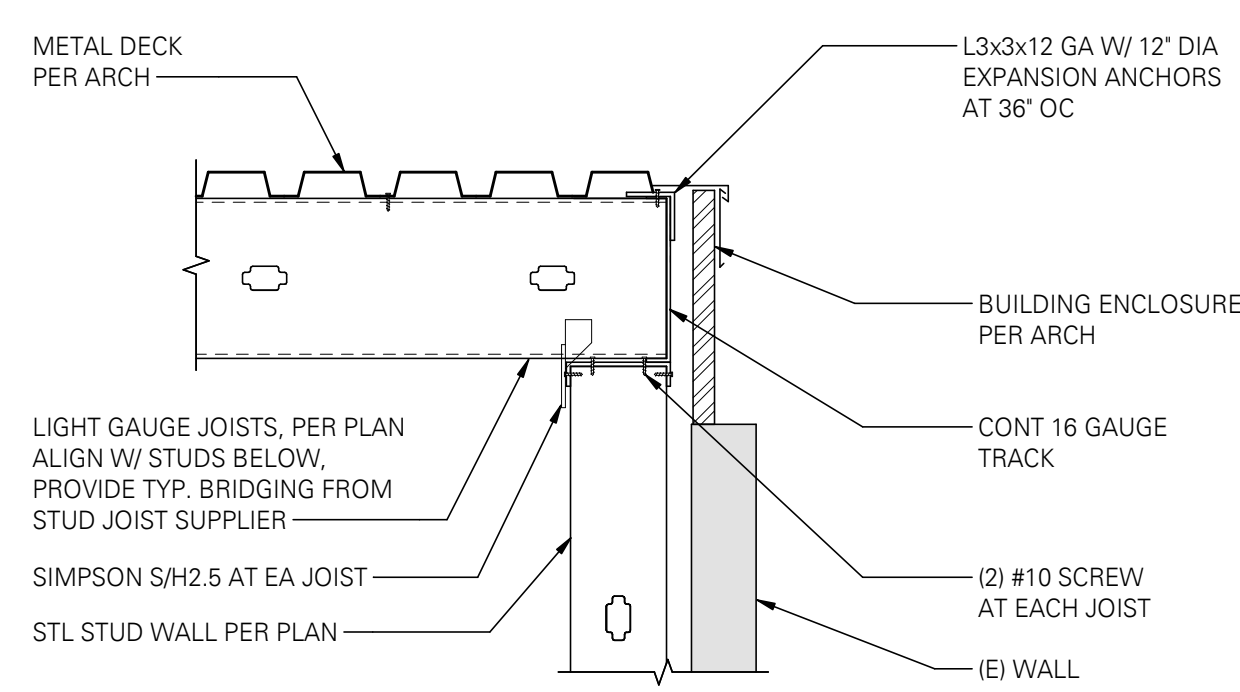
2 LIGHT GAUGE JOISTS AT STUD WALL
SCALE: 1" = 1'-0"



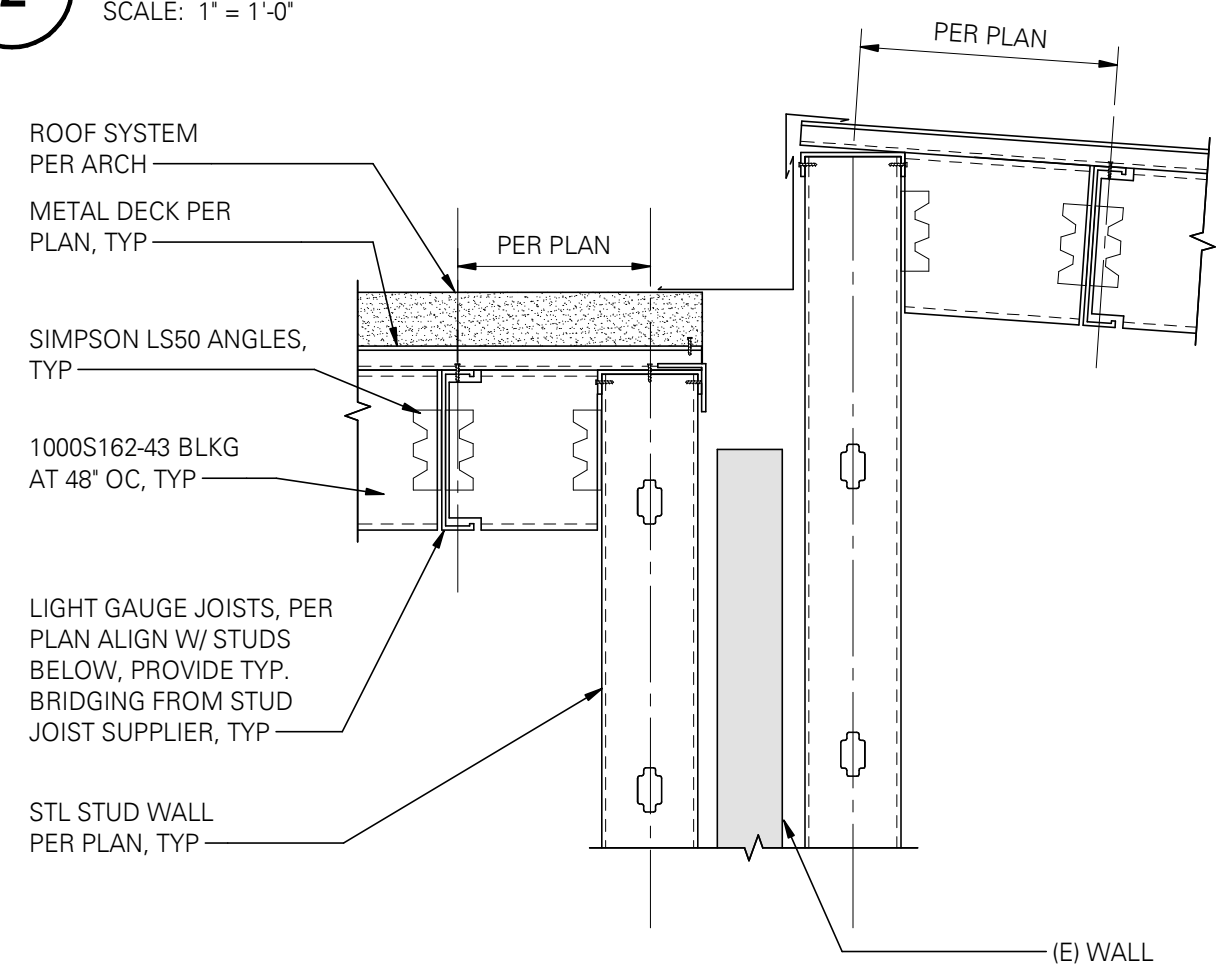
3 LIGHT GAUGE JOISTS AT STUD WALL
SCALE: 1" = 1'-0"



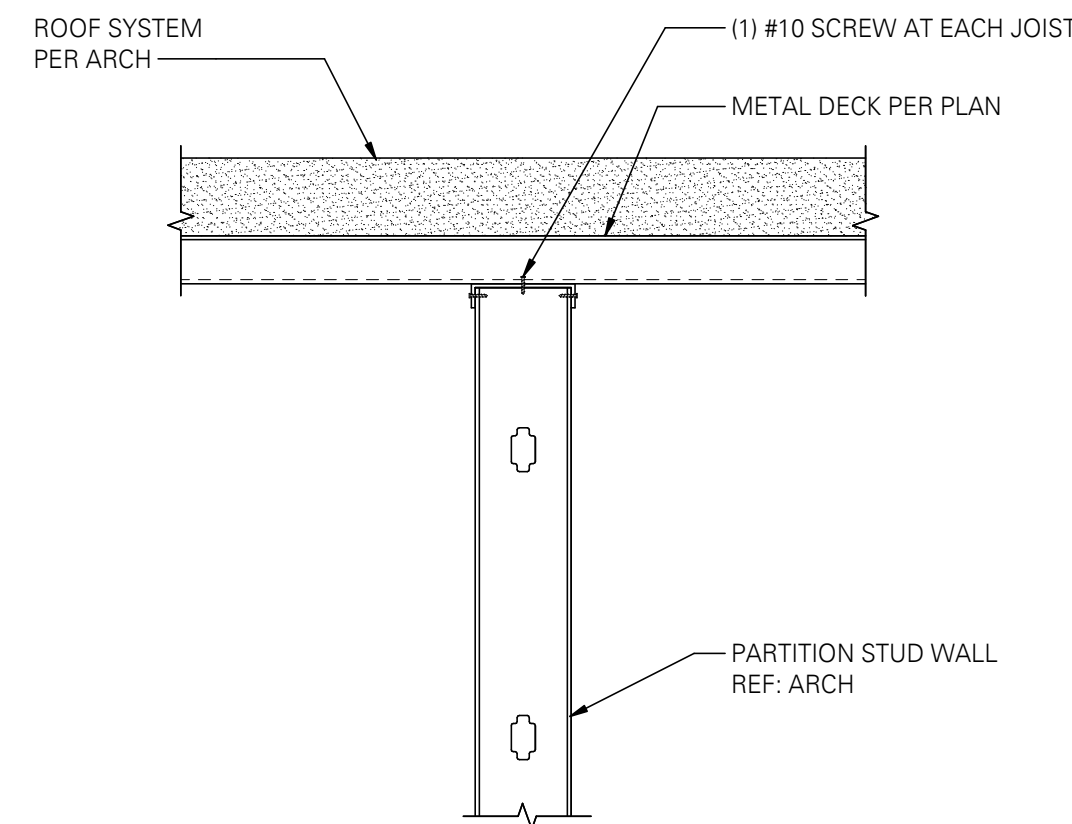
4 LIGHT GAUGE JOISTS AT STUD WALL
SCALE: 1" = 1'-0"



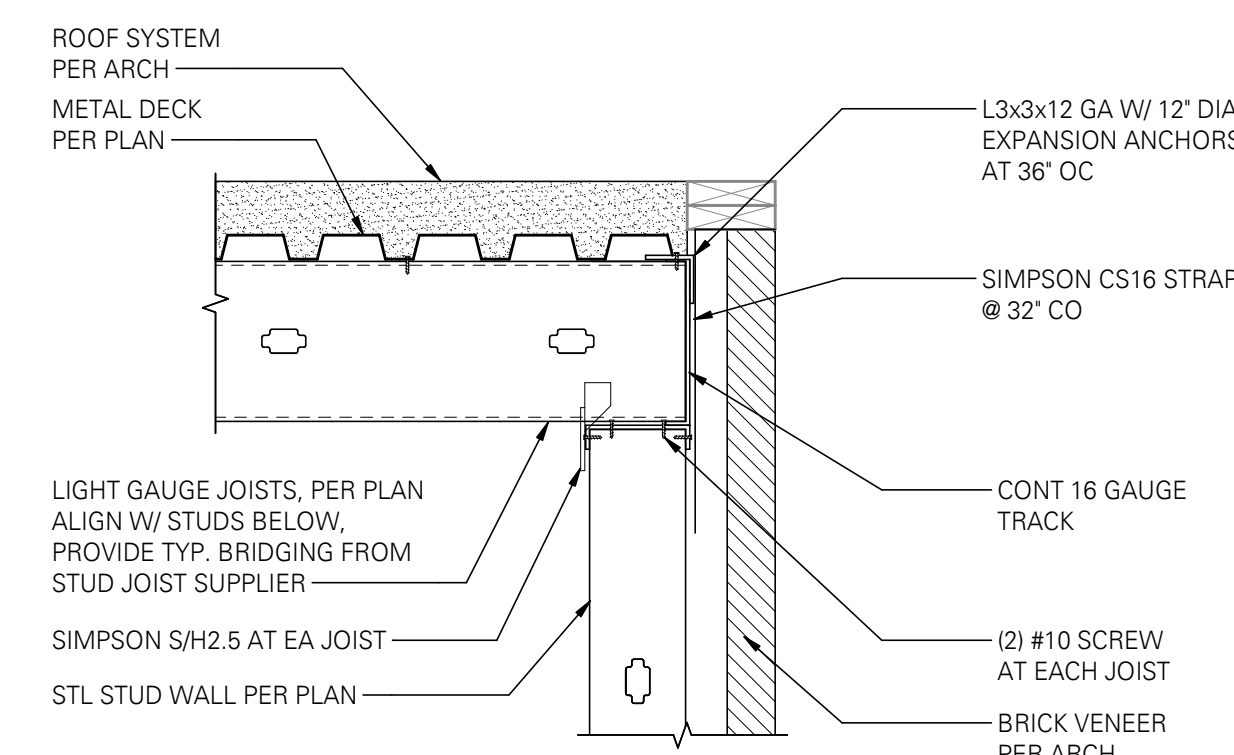
5 LIGHT GAUGE JOISTS AT STUD WALL
SCALE: 1" = 1'-0"



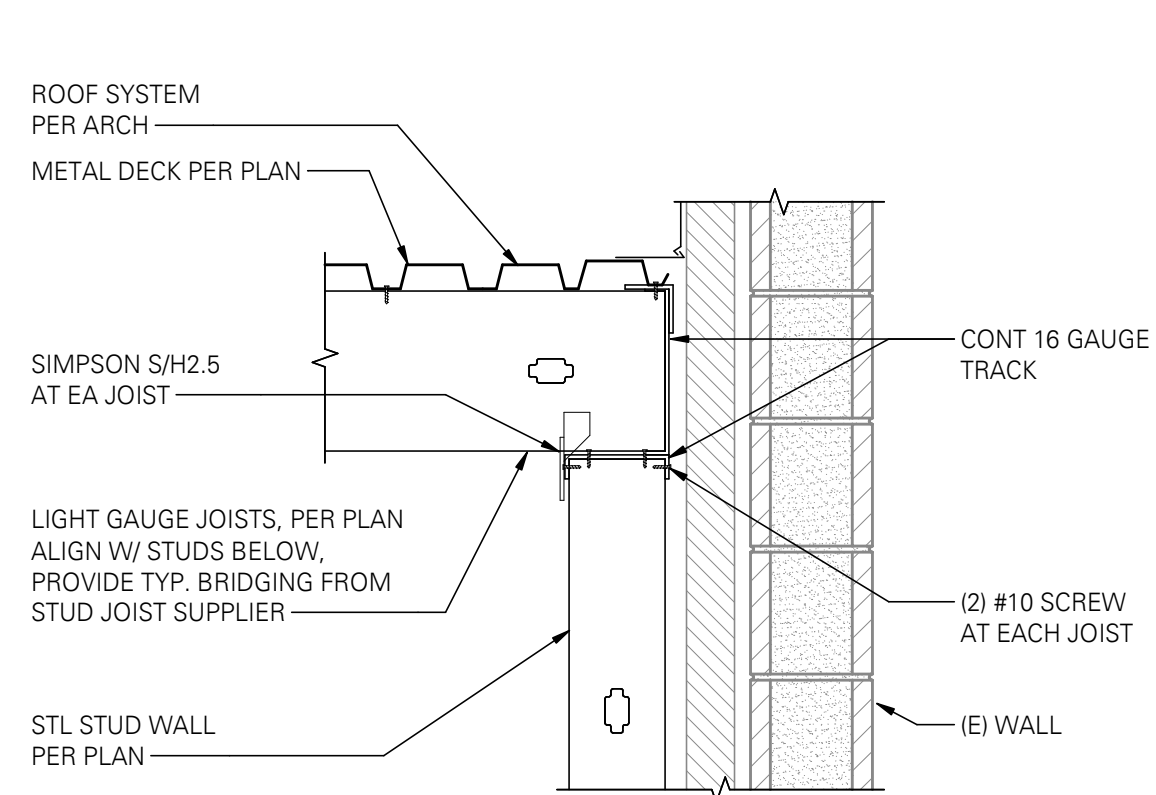
6 LIGHT GAUGE JOISTS AT STUD WALL
SCALE: 1" = 1'-0"



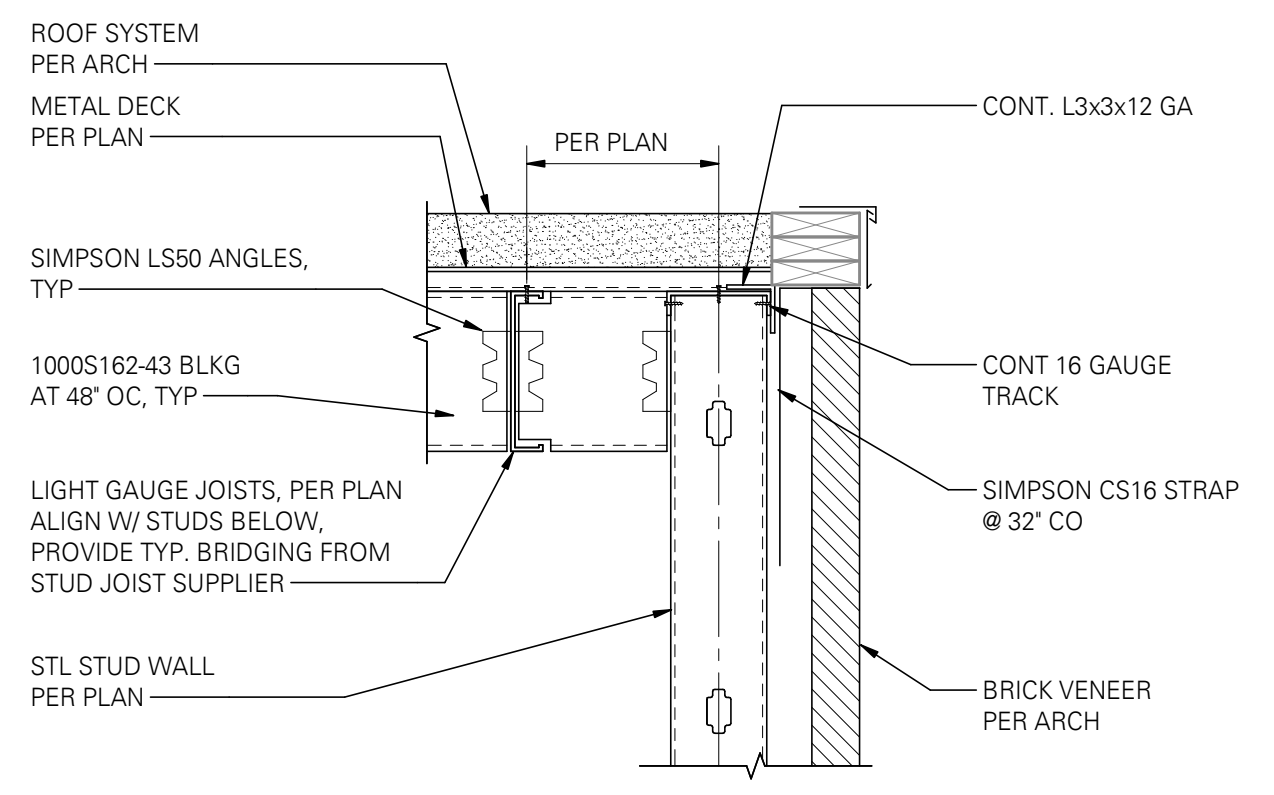
7 TYPICAL METAL DECK AT INTERIOR WALL
SCALE: 1" = 1'-0" (07214)



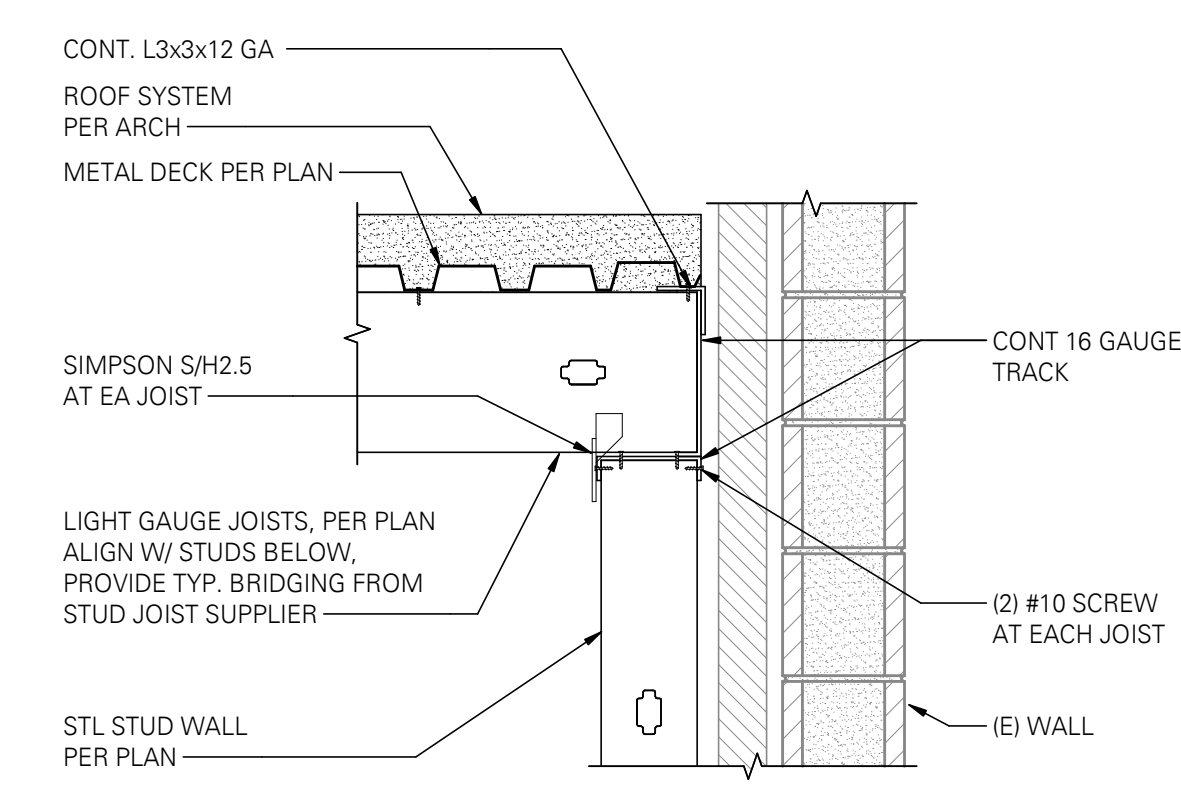
8 LIGHT GAUGE JOISTS AT STUD WALL
SCALE: 1" = 1'-0"



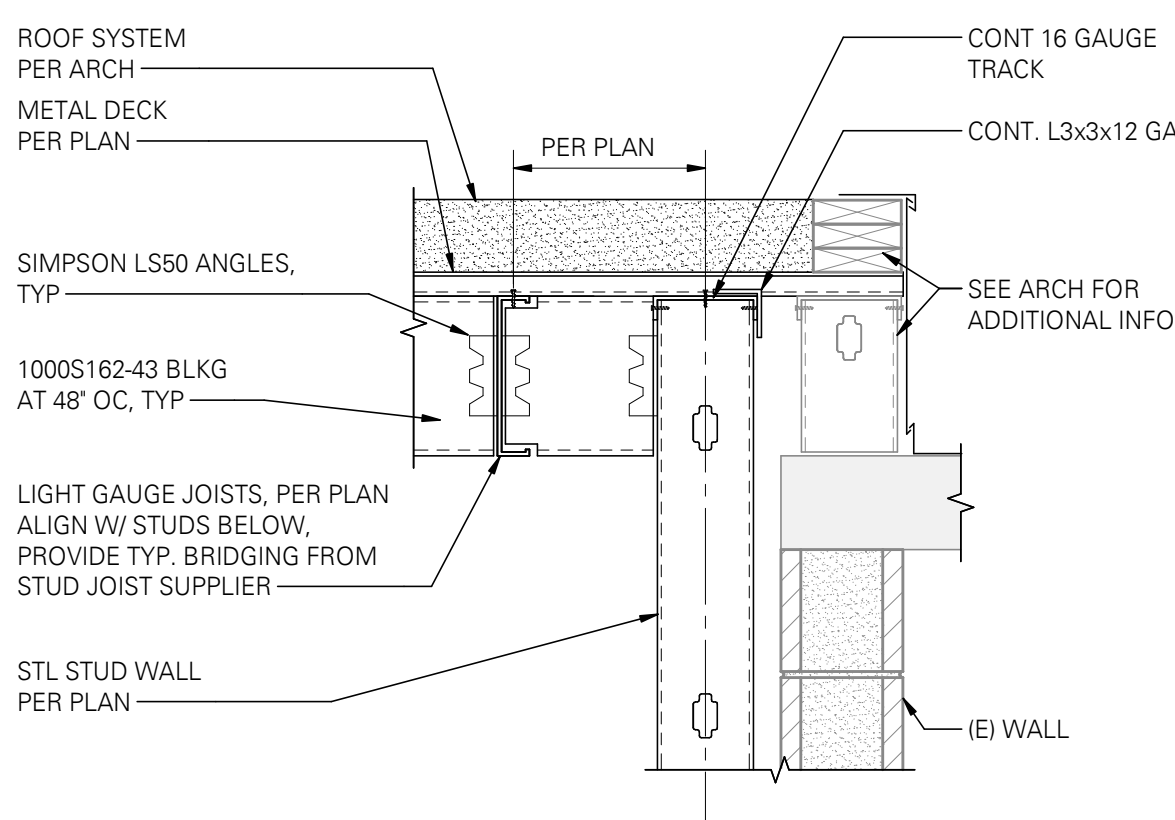
9 LIGHT GAUGE JOISTS AT STUD WALL
SCALE: 1" = 1'-0"



10 LIGHT GAUGE JOISTS AT STUD WALL
SCALE: 1" = 1'-0"

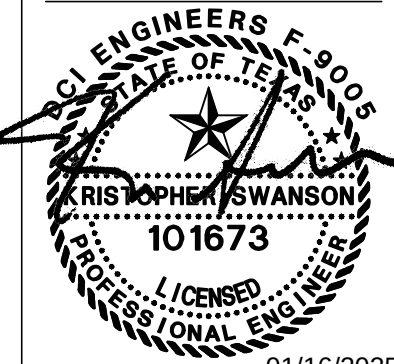


11 LIGHT GAUGE JOISTS AT STUD WALL
SCALE: 1" = 1'-0"



12 LIGHT GAUGE JOISTS AT STUD WALL
SCALE: 1" = 1'-0"

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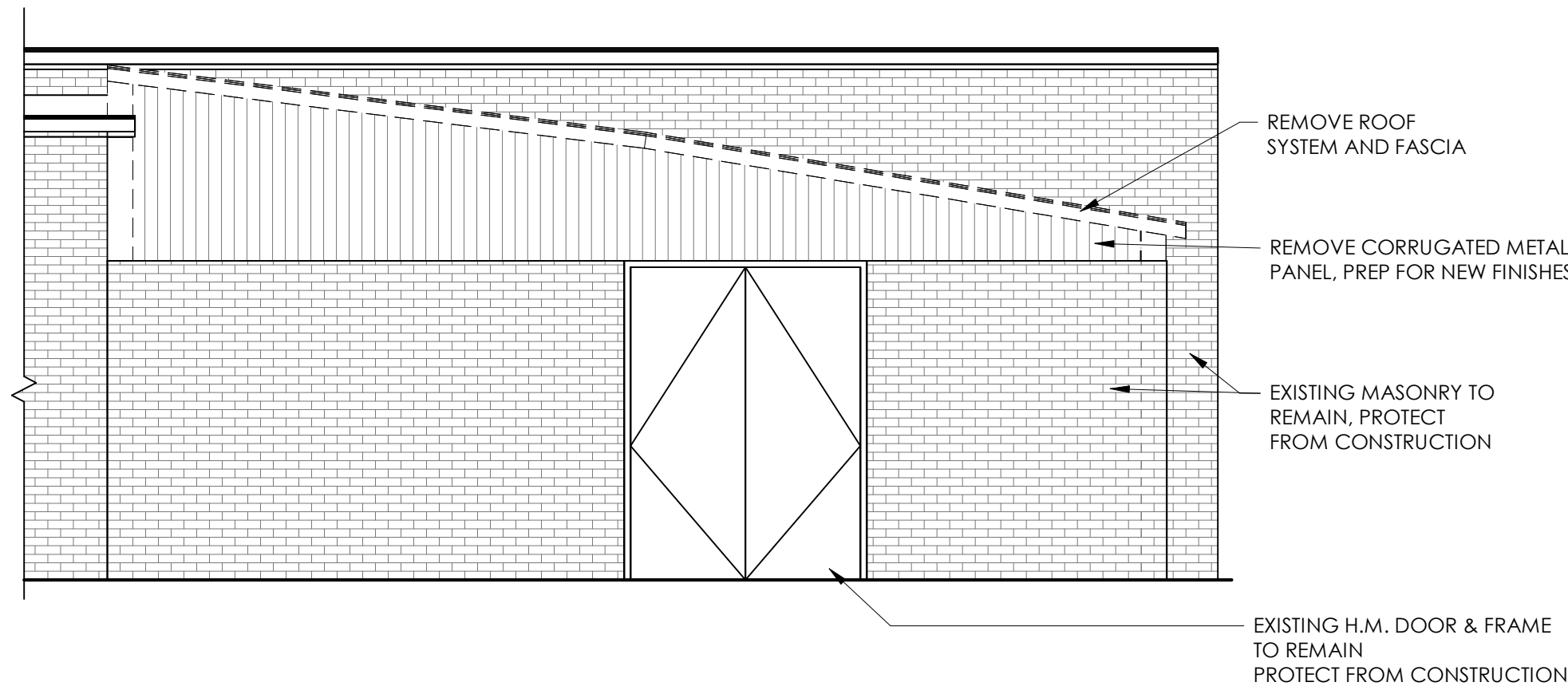
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STRUCTURAL - FRAMING
DETAILS

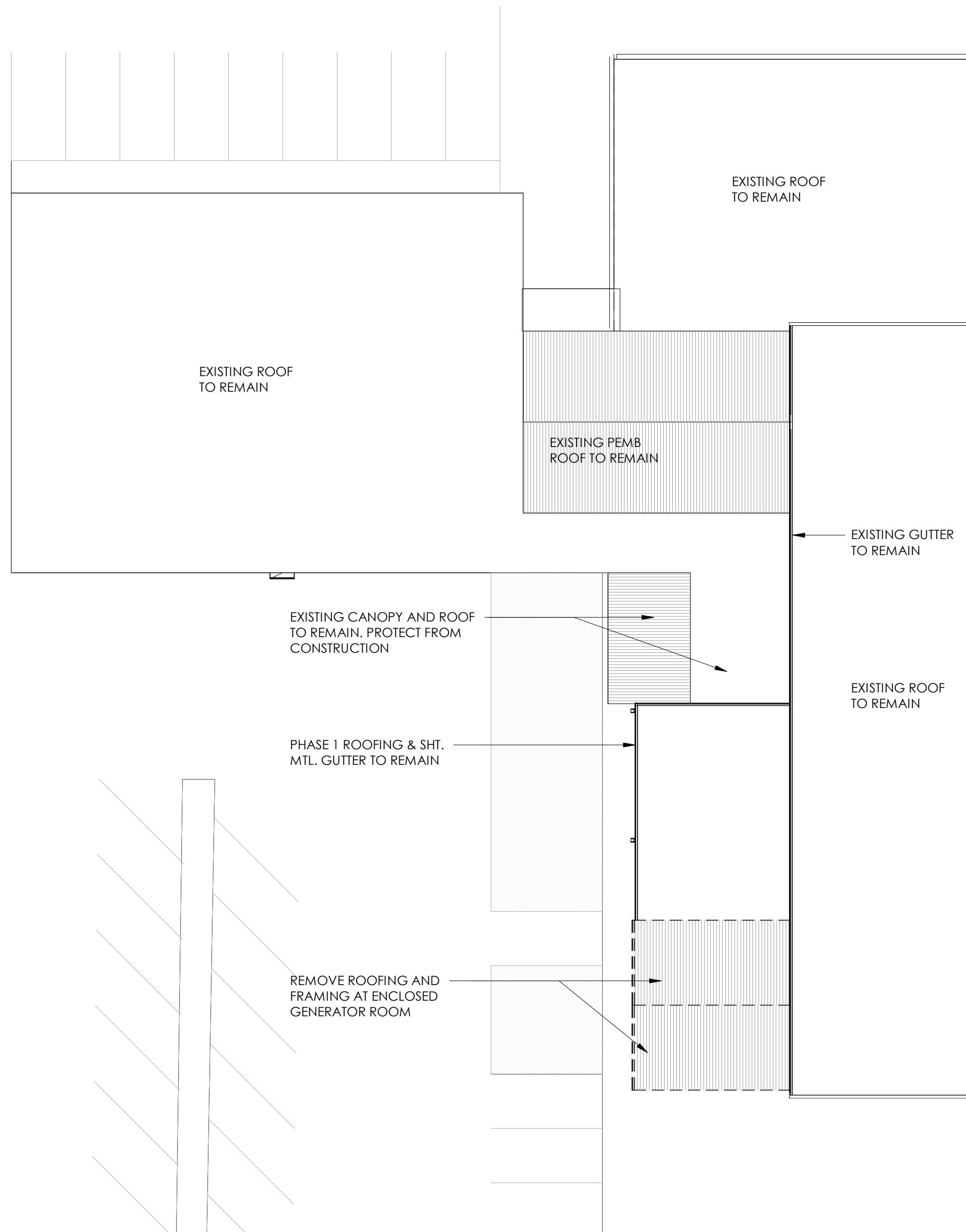
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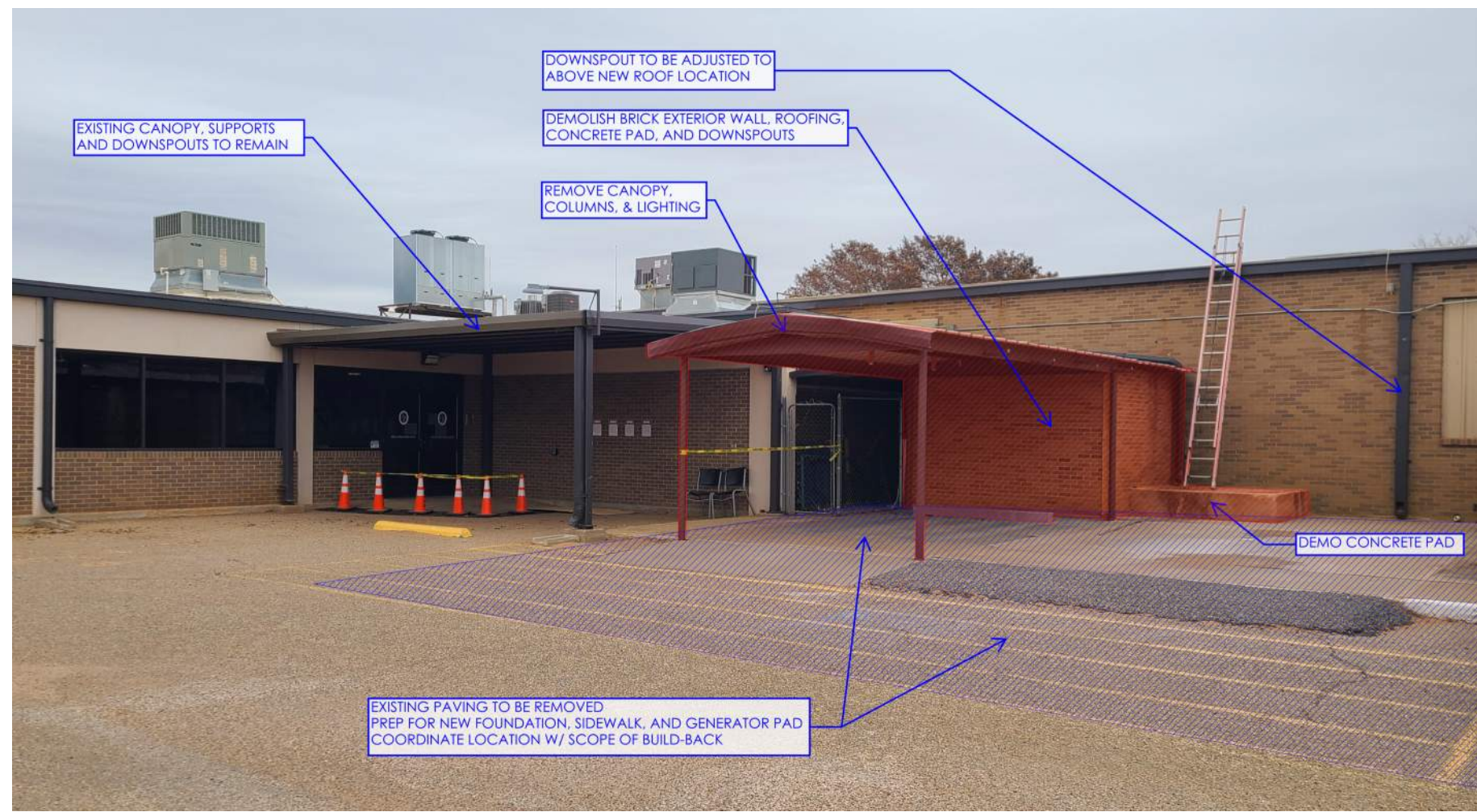
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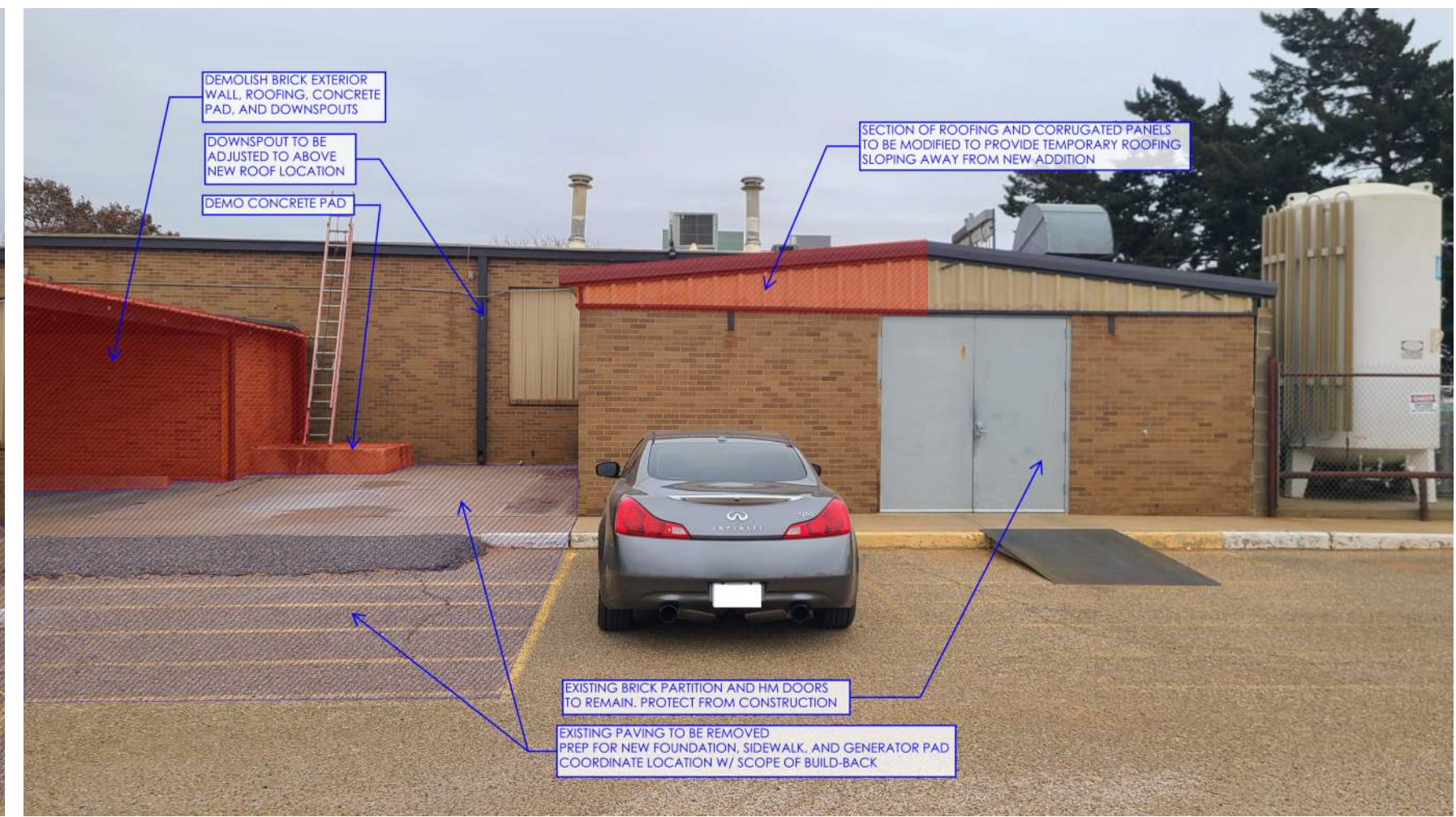
4 PARTIAL DEMO ELEV. - PHASE 2
SCALE: 1/4" = 1'-0"



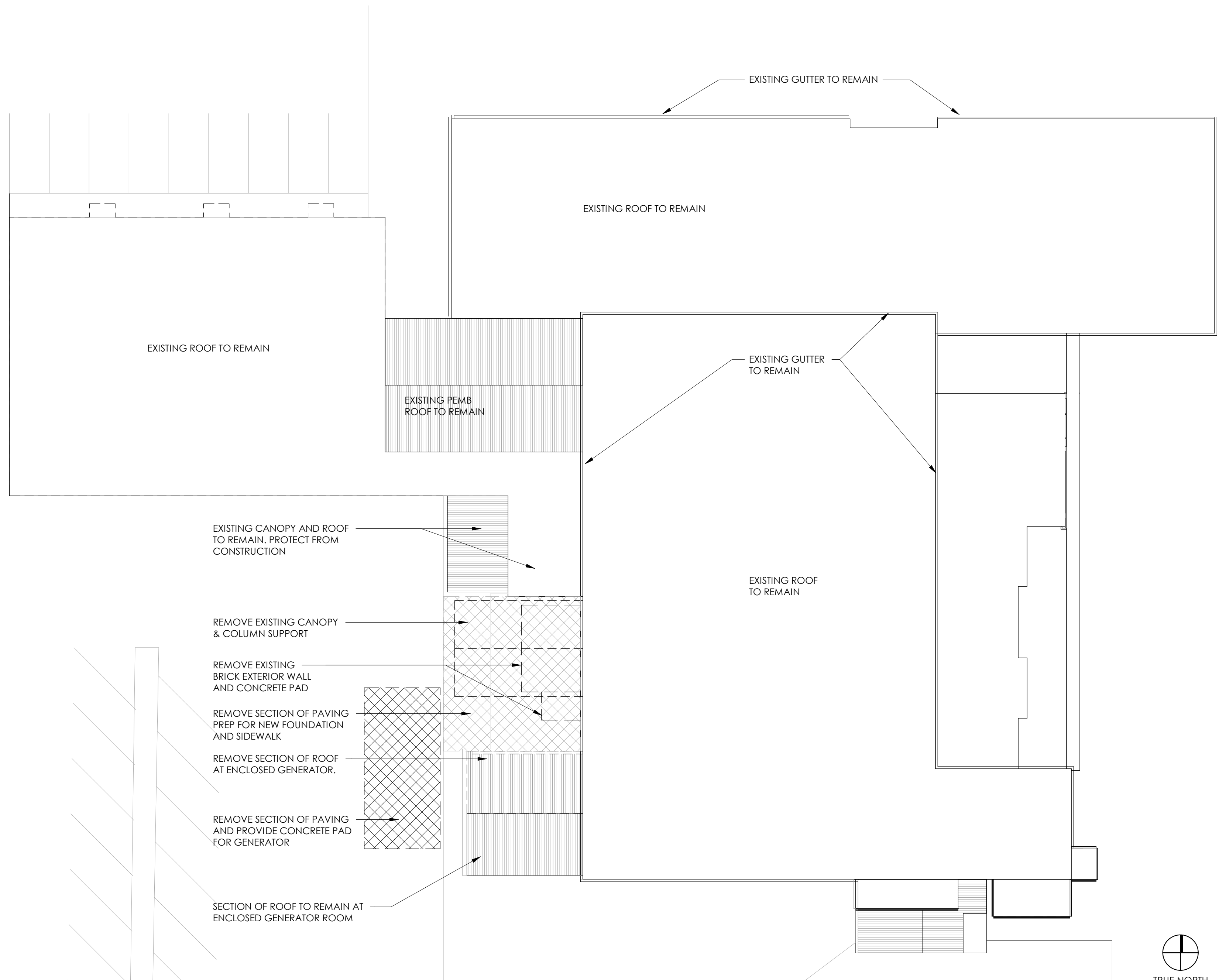
2 DEMOLITION ROOF PLAN - PHASE 2
SCALE: 1/16" = 1'-0"



PHASE 1 DEMOLITION IMAGE 2



PHASE 1 DEMOLITION IMAGE 1



1 DEMOLITION ROOF PLAN - PHASE 1
SCALE: 1/16" = 1'-0"

WALL TYPE GENERAL NOTES & SPECIFICATIONS

NON-STRUCTURAL METAL FRAMING NOTES:

- SUBMITTALS: PRODUCT DATA; CERTIFICATION THAT FRAMING ASSEMBLIES MEET PERFORMANCE REQUIREMENTS.
- PARTITIONS ARE DIMENSIONED TO THE FINISH FACE. CONSULT ARCHITECT IF DIMENSIONS OF EXISTING CONDITIONS IN FIELD DEVIATE SIGNIFICANTLY FROM WHAT IS SHOWN.
- PARTITION TYPE INDICATIONS ARE INDEPENDENT OF APPLIED FINISHES. SEE FINISH SCHEDULE AND/OR PLAN DETAILS FOR ADDITIONAL FINISH INFORMATION.
- STUD SPACING SHALL BE 16" ON CENTER UNLESS OTHERWISE NOTED BUT NOT GREATER THAN SPACINGS REQUIRED BY REFERENCED INSTALLATION.
- USE STUD DEPTHS INDICATED ON THE DRAWINGS. WHERE DEPTHS CONFLICT WITH REQUIREMENTS OF MANUFACTURER'S STANDARD DEFLECTION TABLE CONSULT ARCHITECT PRIOR TO ORDERING MATERIALS OR INSTALLATION.
- STUD GAUGE SHALL BE MINIMAL GAUGE ALLOWED TO MEET DEFLECTION REQUIREMENTS. CONTRACTOR TO DETERMINE GAUGE/THICKNESS OF FRAMING BASED ON FRAMING MANUFACTURER'S STANDARD DEFLECTION TABLE. IF WALL TYPE IS NOT A COMPOSITE WALL (TYPE 'B') SYSTEM, CONTRACTOR MAY UTILIZE BRACED OR FULL-BRACED SYSTEMS AS REQUIRED TO ACHIEVE DEFLECTION REQUIREMENTS. STANDARD WALL DEFLECTION REQUIREMENTS ARE AS FOLLOWS:
 - 1/240 DEFLECTION** TO BE USED AT STANDARD FLEXIBLE FINISH LOCATIONS.
 - 1/360 DEFLECTION** TO BE USED AT RIGID FINISH LOCATIONS SUCH AS TILE.
 - 1/720 DEFLECTION** TO BE USED AT MARBLE & GRANITE TYPE FINISH LOCATIONS. WHERE THESE CONDITIONS OCCUR COLD FORMED MTL STUDS ACHIEVING AN 1/720 DEFLECTION MUST BE USED.
- 20 GAUGE STUDS SHALL BE USED IN-LIEU OF 25 GAUGE STUDS AT THE FOLLOWING LOCATIONS (UNLESS OTHERWISE NOTED):
 - DOUBLE STUD JAMB ASSEMBLIES
 - STUDS WHERE WALL MOUNTED EQUIPMENT OR CABINETS OCCUR.
- WHERE STUDS ARE INSTALLED DIRECTLY AGAINST EXTERIOR CONCRETE / MASONRY WALLS OR DISSIMILAR METALS, INSTALL FOAM GASKET ADHESIVE BACKED ISOLATION STRIPS BETWEEN THE TWO.
- INSTALL SLIP-TYPE HEAD JOINTS WHERE FRAMING EXTENDS TO OVERHEAD STRUCTURAL SUPPORTS. INSTALL TO PRODUCE JOINTS AT TOPS OF FRAMING SYSTEMS THAT PREVENT AXIAL LOADING OF FINISHED ASSEMBLIES.
- INSTALL FRAMING PER MFR STANDARD FRAMING DETAILS UTILIZING MFR'S SPECIFICATIONS FOR FASTENERS AND FASTENER FREQUENCY.

INTERIOR GYPSUM WALLBOARD NOTES:

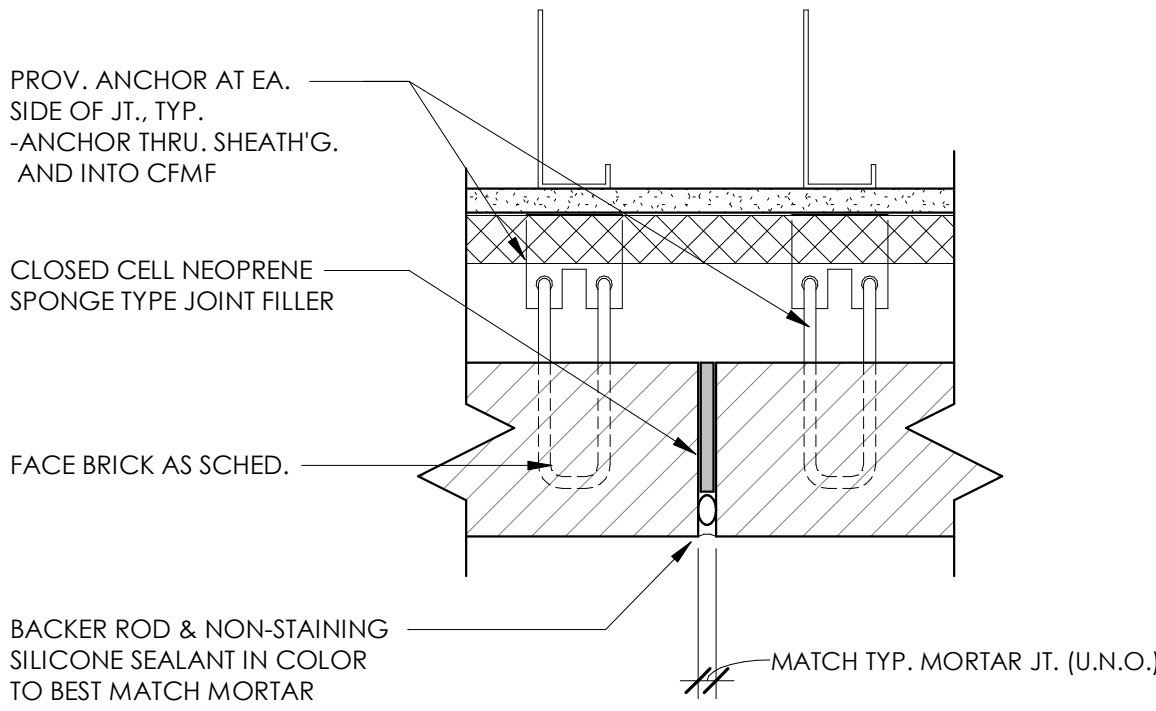
- SUBMITTALS: PRODUCT DATA
- USE 5/8" TYPE X GYPSUM WALL BOARD (GWB) UNLESS OTHERWISE NOTED.
- USE 5/8" TYPE X FIBERGLASS MAT-FACED GYPSUM WALLBOARD (DENSARMOR PLUS, BY GP OR EQ.) AT THE FOLLOWING LOCATIONS:
 - ALL PERMANENTLY UNCONDITIONED SPACES (I.E. MECHANICAL ROOMS, MED GAS ROOM, EXTERIOR STORAGE, ETC.)
 - WITHIN 2'-0" HORIZONTALLY AND 4'-0" VERTICALLY OF JANITORS SINKS.
 - ALL WALLS SCHEDULED TO RECEIVE NON-BREATHABLE FINISHES (I.E. STAINLESS STEEL PANELS, FRP PANELS, ETC.)
- USE 5/8" THICK, TYPE X, MOISTURE RESISTANT COATED TILE BACKER (DENS-SHIELD TILE BACKER, BY GP OR EQ.) BEHIND TILE INSTALLATION AT WALL LOCATIONS, UNLESS NOTED OTHERWISE.
- USE 5/8" KERDI-BOARD (BY SCHLUTER OR EQ.) AT ALL WALL LOCATIONS AT SHOWERS OR TUB SURROUNDS.
- USE FIRE-TREATED CONTINUOUS PLYWOOD SHEATHING WHERE SHOWN FOR BLOCKING OR TO SUPPORT ELECTRICAL PANELS OR TELECOMMUNICATIONS PANELS.
- HOLD SHEATHING OFF FINISH FLOOR AND TOP STRUCTURE 3/8". FILL 3/8" VOID WITH ACOUSTICAL SEALANT AT ALL NON-FIRE RATED PARTITIONS. FILL 3/8" VOID WITH CONTINUOUS MINERAL FIRE RESISTIVE SEALANT AT ALL FIRE RATED PARTITIONS.
- WHEN ROCK TO METAL DECK, GWB SHALL BE COPED INTO FLUTES.
- PROVIDE VERTICAL CONTROL JOINTS, AS INDICATED ON DRAWINGS, IN ACCORDANCE WITH GA-216 IF NOT INDICATED ON DRAWINGS.
- ALL GWB WALL TO HAVE LEVEL 4 FINISH, UNLESS NOTED OTHERWISE.

BLOCKING NOTES:

- WHERE WALL MOUNTED ACCESSORIES, EQUIPMENT, MILLWORK OR OTHER DEVICES OCCUR, G.C. SHALL PROVIDE IN WALL LOCATIONS DESIGNATED ON PLANS OR REQUIRED BY MFR.'S FOR MOUNTING.
- THE FOLLOWING MAY BE USED ACHIEVE BLOCKING REQUIREMENTS:
 - 2x FIRE RETARDANT TREATED WOOD BLOCKING.
 - SHEET METAL BACKING PLATE(S).
 - 1/2" FIRE RETARDANT TREATED CONTINUOUS PLYWOOD SHEATHING BEHIND GYPSUM SHEATHING.

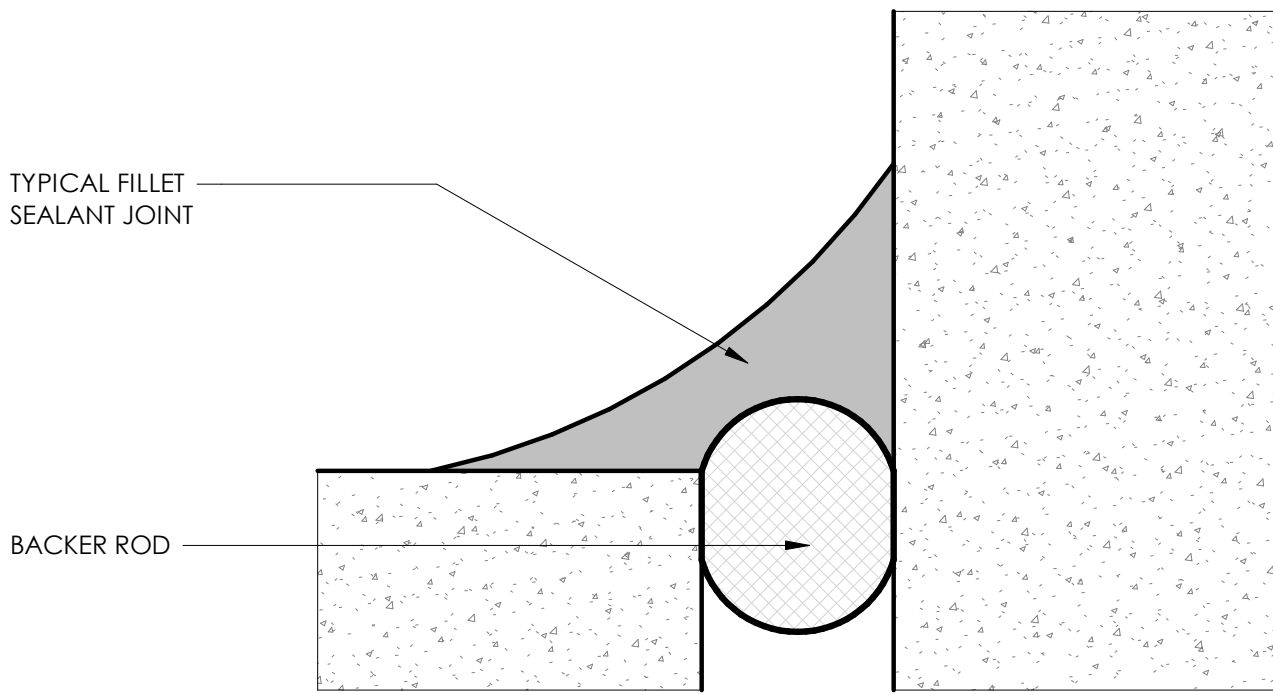
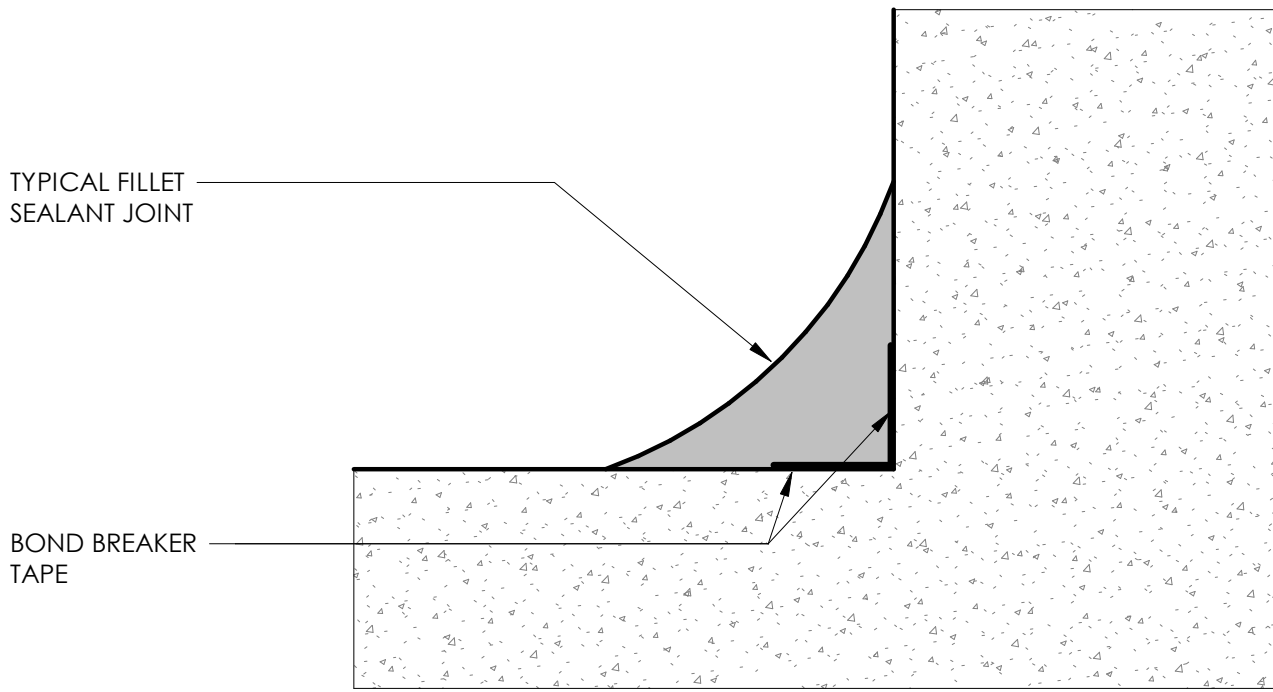
ACOUSTIC MEASURES AT WALL ASSEMBLIES:

- WITH THE EXCEPTION OF TYPE 'J' WALLS AND UNLESS NOTED OTHERWISE, ALL WALL TYPES TO INCLUDE THE FOLLOWING ACOUSTICAL MEASURES:
 - PROVIDE CONTINUOUS FOAM SILL SEAL (BY DOW OR EQ.) UNDER ALL MTL. RUNNER.
 - SEAL PERIMETER OF PARTITION WITH CONTINUOUS 3/8" BEAD OF ACOUSTICAL SEALANT. CLOSE ALL GAPS THROUGH OR AROUND PARTITION BY SEALING ALL JOINTS. GAPS AROUND OUTLET BOXES AND PENETRATIONS, INCLUDING THOSE ABOVE FINISH CEILINGS. ISOLATE PARTITION FROM ALL DUCT PENETRATIONS BY STOPPING GWB 1/2" MIN. TO 1" MAX. FROM AROUND PIPE OR DUCT. SEAL GAP BETWEEN GWB AND PIPES/DUCTS WITH BACKER ROD AND ACOUSTICAL SEALANT.
 - USE ACOUSTICAL INSULATION/SOUND ATTENUATION BLANKETS IN STUD CAVITY. FILL CAVITY FULL DEPTH OF STUD. RUN ACOUSTICAL INSULATION FROM FLOOR TO UNDERSIDE OF METAL ROOF/FLOOR DECK ABOVE UNLESS NOTED OTHERWISE. ACOUSTICAL INSULATION/SOUND ATTENUATION BLANKETS TO BE IN COMPLIANCE WITH ASTM C 665, TYPE I (BLANKETS W/OUT MEMBRANE FACING) PRODUCED BY COMBINING THERMOSETTING RESINS WITH MINERAL FIBERS MANUFACTURED FROM SLAG WOOL OR ROCK WOOL (SAFB, BY THERMOFIBER OR EQ.)
 - PROVIDE ACOUSTICAL OUTLET BOX PADS AT ALL ELECTRICAL, TELEPHONE AND DATA OUTLET BOXES AS WELL AS AT ALL SWITCH BOXES. MOLD PAD CAREFULLY AROUND BOX AFTER BOX IS SECURELY ATTACHED TO STUD BEFORE GWB IS INSTALLED. SEAL ALL OPENINGS WITH OUTLET BOX SEALANT MATERIAL.



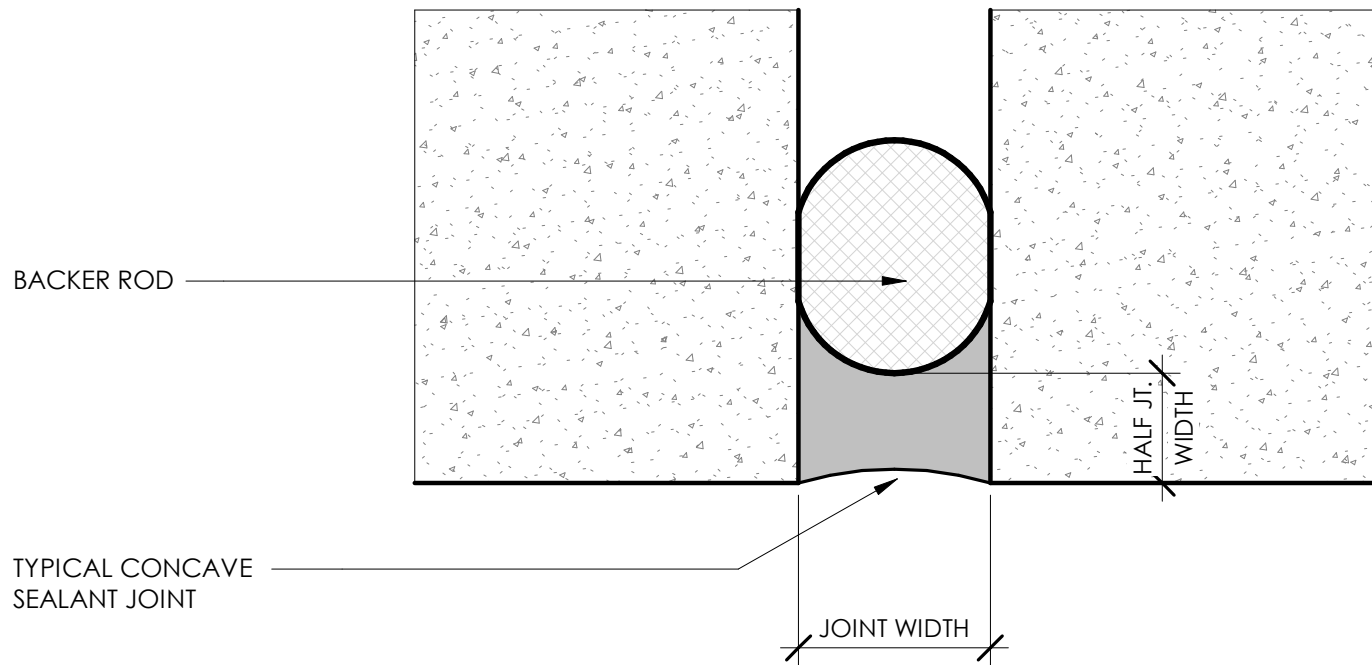
4 VERTICAL BRICK CONTROL JT.

SCALE: 3" = 1'-0"



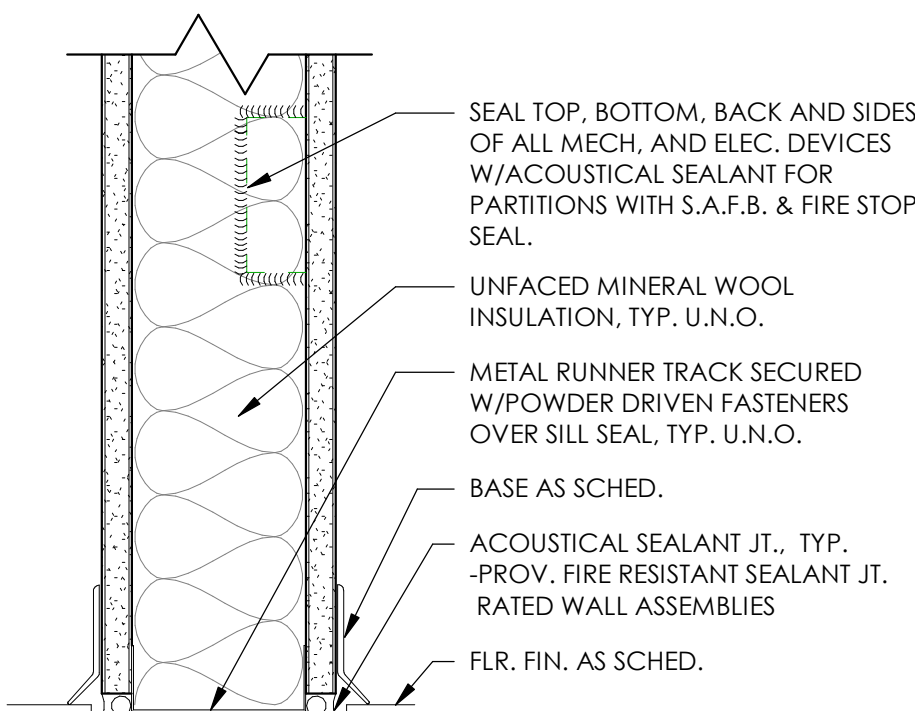
FILLET TYPE SEALANT JT.1

SCALE: 6" = 1'-0"



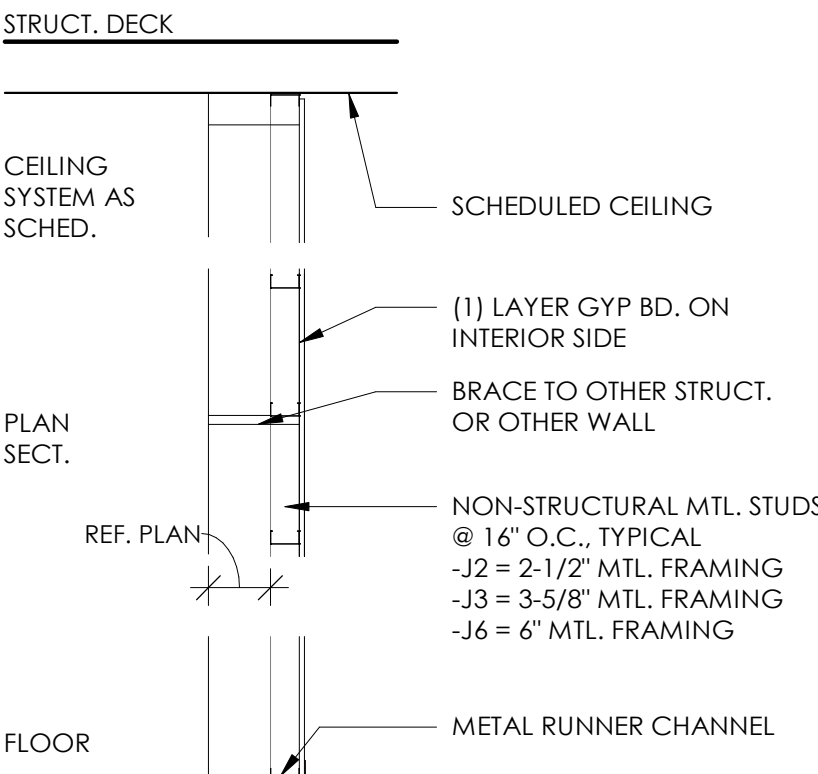
TYPICAL SEALANT JT.

SCALE: 6" = 1'-0"



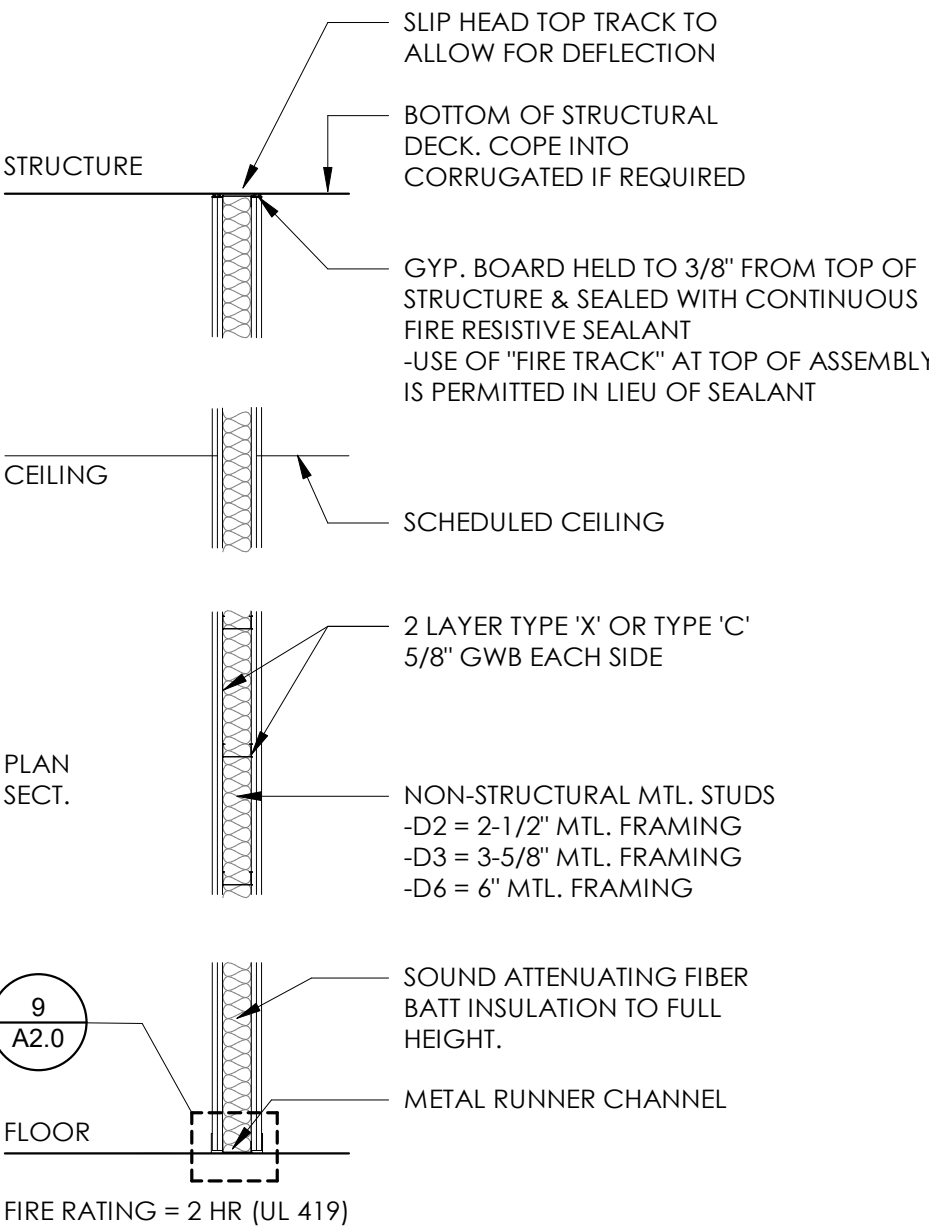
TYP. BASE OF PARTITION

SCALE: 3" = 1'-0"



J PARTITION FURRING TO STRUCTURE

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



F PARTITION TO STRUCTURE

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

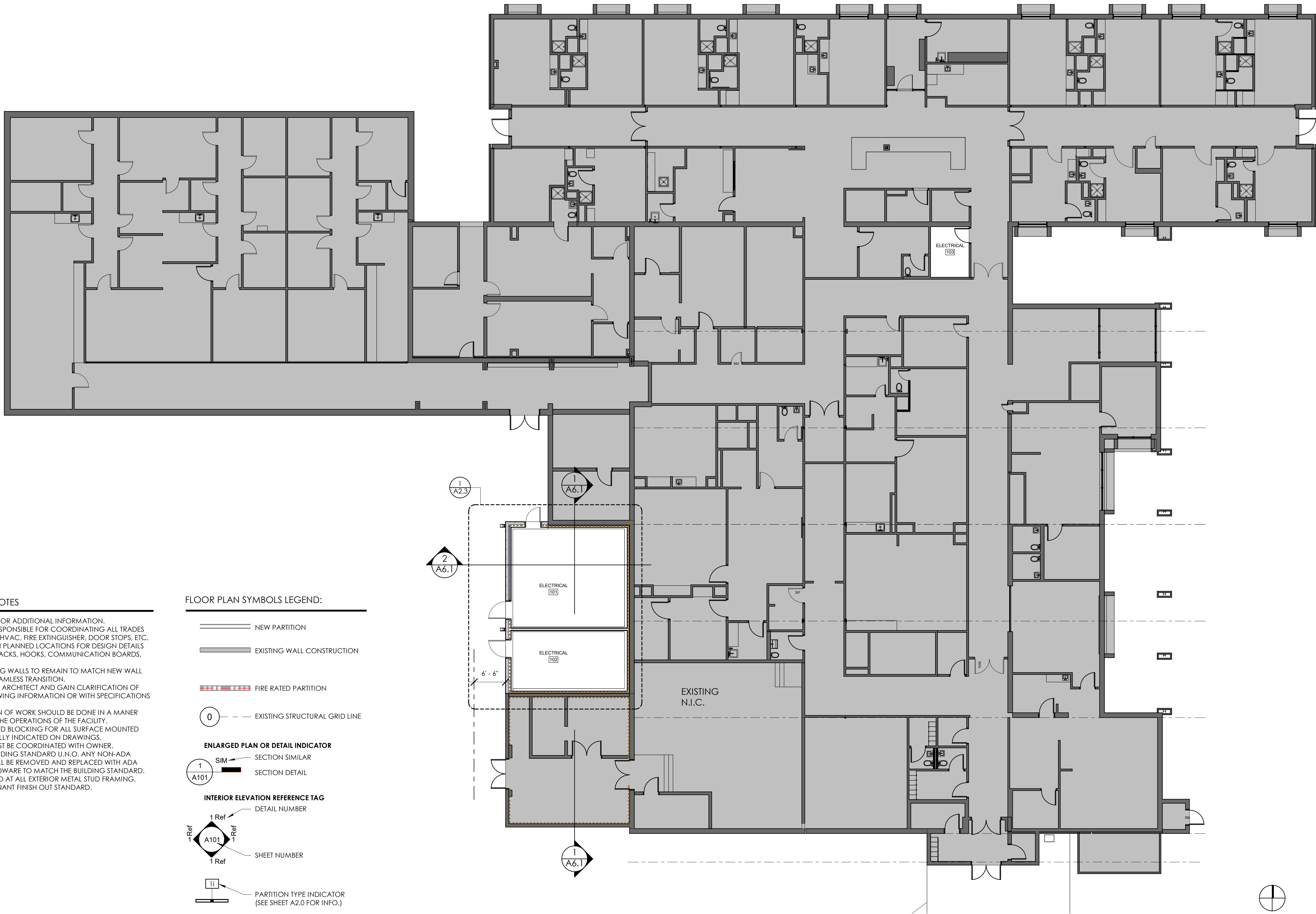
GENERAL ARCHITECTURAL NOTES

- A. REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION.
B. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL TRADES ESPECIALLY ELECTRICAL AND HVAC, FIRE EXTINGUISHER, DOOR STOPS, ETC., SO AS NOT TO INTERFERE WITH PLANNED LOCATIONS FOR DESIGN DETAILS AND ARTWORK, MAGAZINE RACKS, HOOKS, COMMUNICATION BOARDS, ETC.
C. FLOAT OUT/FINISH ALL EXISTING WALLS TO REMAIN TO MATCH NEW WALL TEXTURE AS REQUIRED FOR SEAMLESS TRANSITION.
D. CONTRACTOR SHALL INFORM ARCHITECT AND GAIN CLARIFICATION OF ANY DISCREPANCIES IN DRAWING INFORMATION OR WITH SPECIFICATIONS PRIOR TO WORK.
E. ALL STAGING AND EXECUTION OF WORK SHOULD BE DONE IN A MANNER THAT IS LEAST DISRUPTIVE TO THE OPERATIONS OF THE FACILITY.
F. PROVIDE IN-WALL FIRE TREATED BLOCKING FOR ALL SURFACE MOUNTED ITEMS EVEN IF NOT SPECIFICALLY INDICATED ON DRAWINGS.
G. FINAL KEYING OF DOORS MUST BE COORDINATED WITH OWNER.
H. ALL HARDWARE SHALL BE BUILDING STANDARD U.N.O. ANY NON-ADA COMPLIANT HARDWARE SHALL BE REMOVED AND REPLACED WITH ADA COMPLIANT LEVER TYPE HARDWARE TO MATCH THE BUILDING STANDARD.
I. PROVIDE 5/8" GYPSUM BOARD AT ALL EXTERIOR METAL STUD FRAMING. FINISH TEXTURE TO MATCH TENANT FINISH OUT STANDARD.

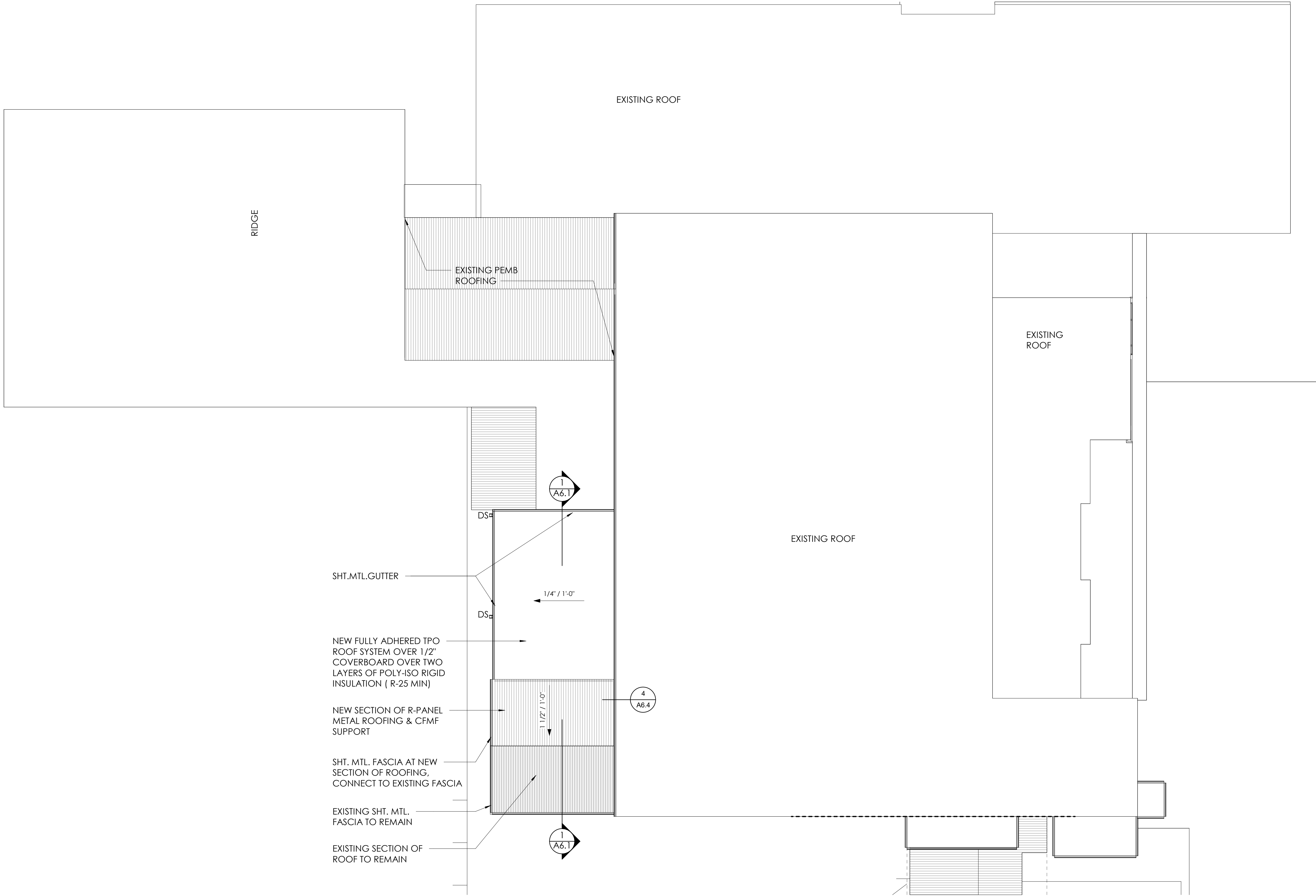
FLOOR PLAN SYMBOLS LEGEND:

- NEW PARTITION
EXISTING WALL CONSTRUCTION
FIRE RATED PARTITION
EXISTING STRUCTURAL GRID LINE
ENLARGED PLAN OR DETAIL INDICATOR
SIM SECTION SIMILAR
SECTION DETAIL
INTERIOR ELEVATION REFERENCE TAG
DETAIL NUMBER
SHEET NUMBER
PARTITION TYPE INDICATOR (SEE SHEET A2.0 FOR INFO.)

1 FLOOR PLAN
SCALE: 3/32" = 1'-0"



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1

ROOF PLAN

SCALE: 3/32" = 1'-0"



TRUE NORTH

ROOF PLAN

A2.2

CONSTRUCTION DOCUMENTS

02.24.2025

LYNN COUNTY HEALTHCARE SYSTEM
ELECTRICAL UPGRADE

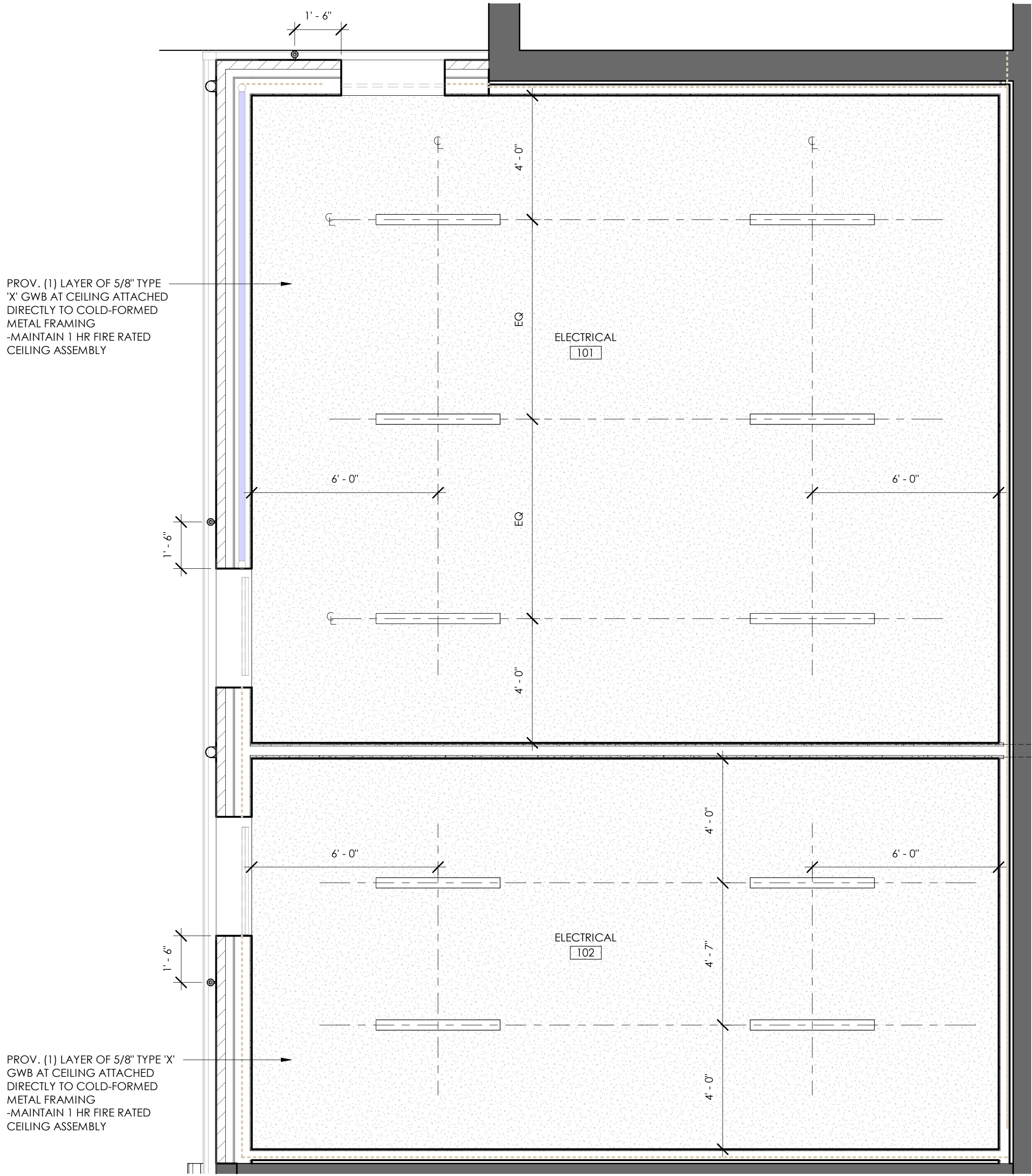
2600 LOCKWOOD ST.
TAHOCA, TEXAS 79373



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ELES

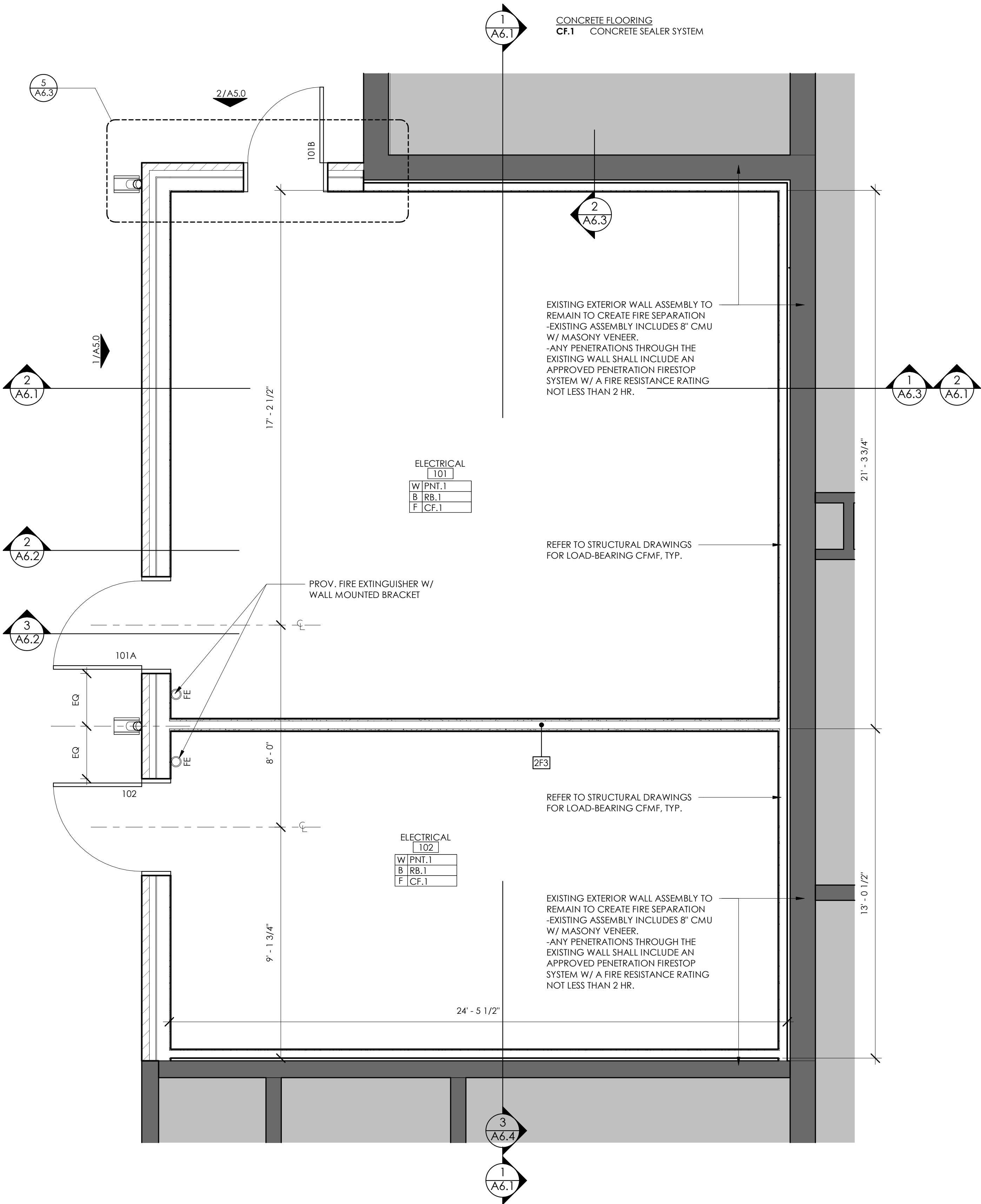
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2

ENLARGED RCP @ ELECT 101 & 102

SCALE: 3/8" = 1'-0"



1

ENLARGED PLAN @ ELECT 101 & 102

SCALE: 3/8" = 1'-0"

ENLARGED PLAN DETAIL

CONSTRUCTION DOCUMENTS

LYNN COUNTY HEALTHCARE SYSTEM
ELECTRICAL UPGRADE

2600 LOCKWOOD ST.,
TAHOCA, TEXAS 79373

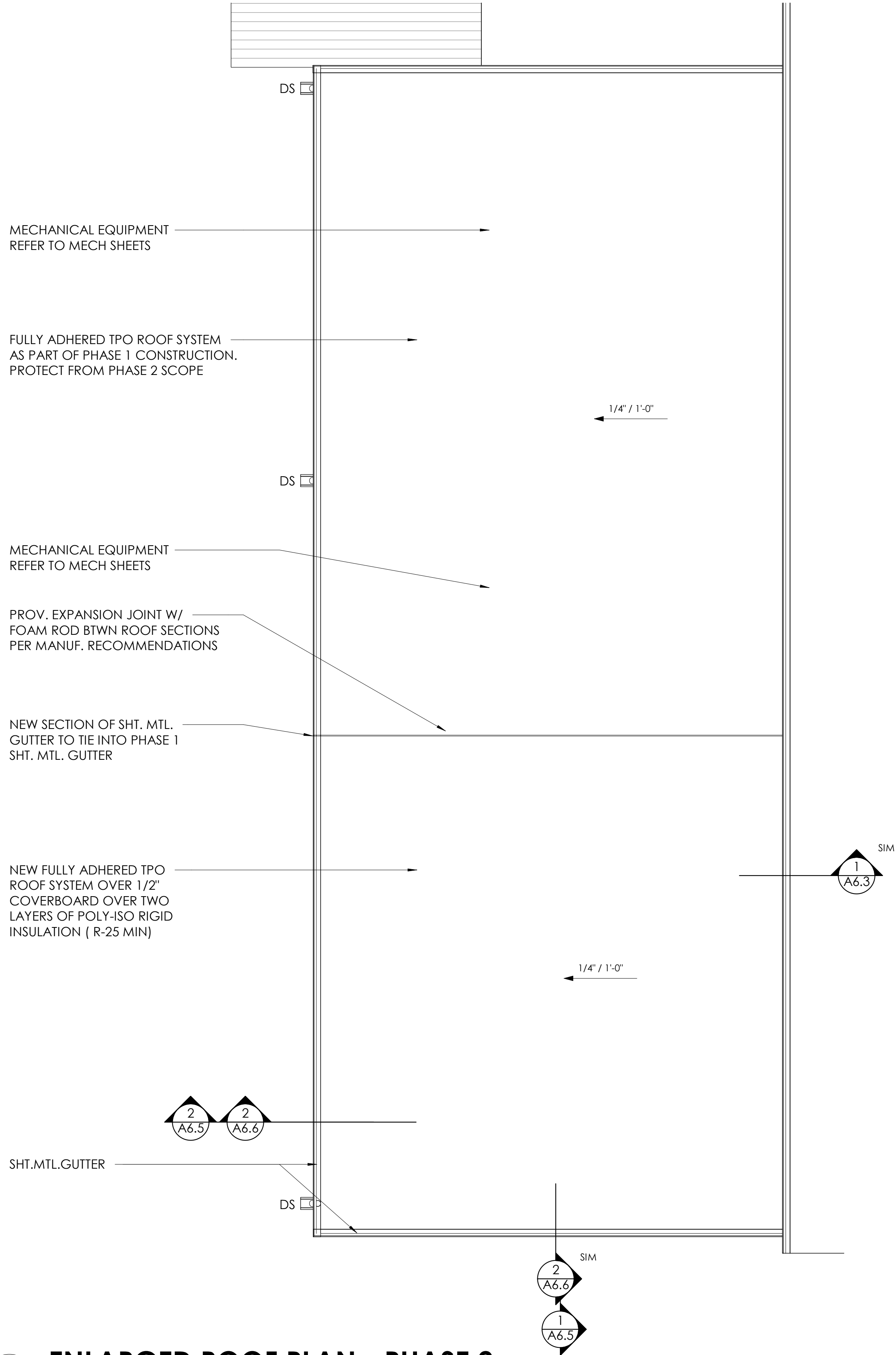
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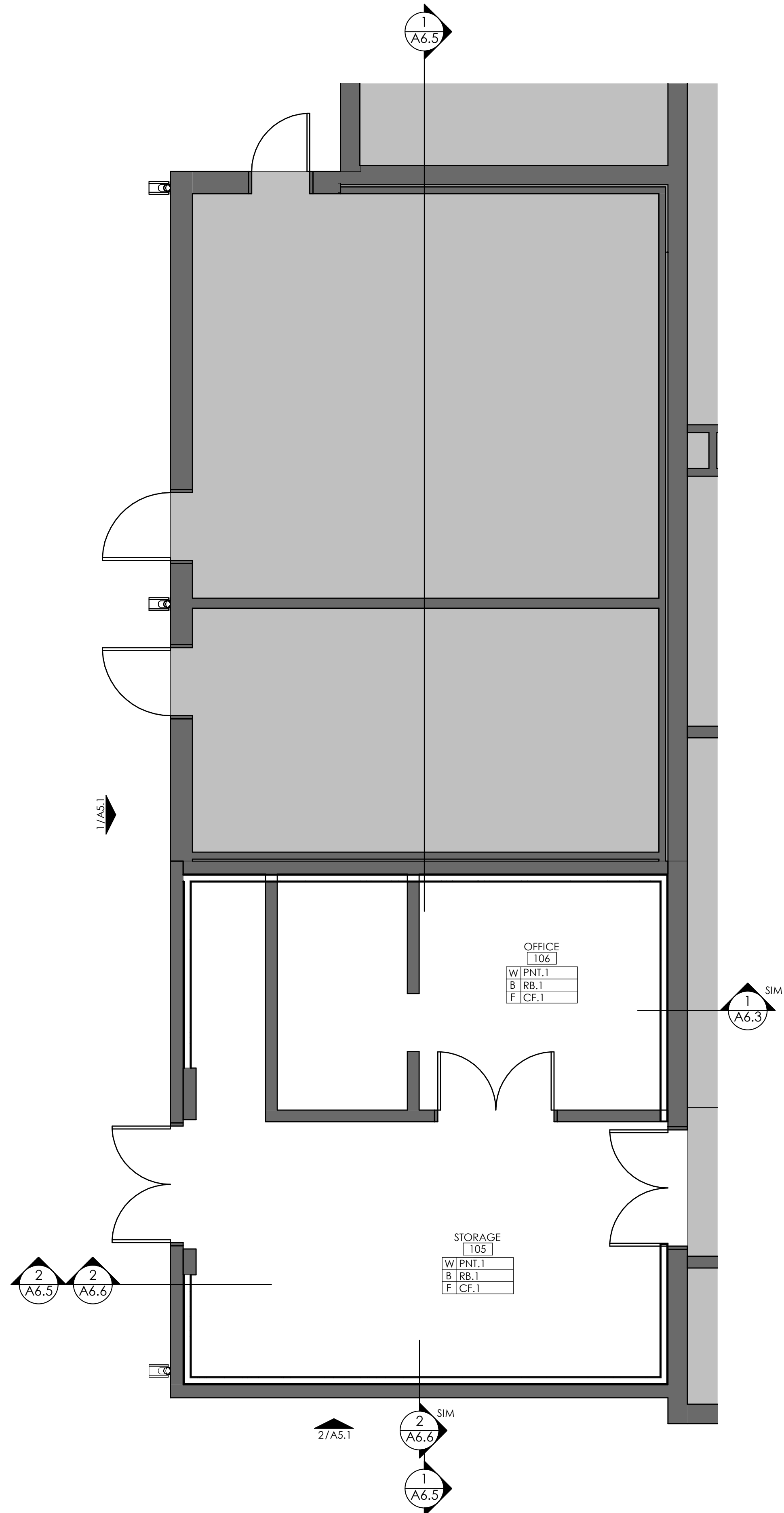
STUDIO
ELES

A2.3

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



1 ENLARGED PLAN - PHASE 2
SCALE: 1/4" = 1'-0"

**LYNN COUNTY HEALTHCARE SYSTEM
ELECTRICAL UPGRADE**

2600 LOCKWOOD ST.,
TAHOCA, TEXAS 79373

02.26.2025 CONSTRUCTION DOCUMENTS

**FLOOR & ROOF PLAN -
PHASE 2**

A2.4

**STUDIO
ELES**



FIXTURE LEGEND

- NEW FLUORESCENT 1X4 FIXTURE
- NEW EXIT LIGHT
- NEW 2X2 DIFFUSER
- NEW 1X1 DIFFUSER
- NEW RETURN AIR DIFFUSER
- SLOT AIR DIFFUSER
- GYP BOARD ACCESS PANEL AS REQUIRED, RE: MEP
- NEW GYP. BOARD CEILING

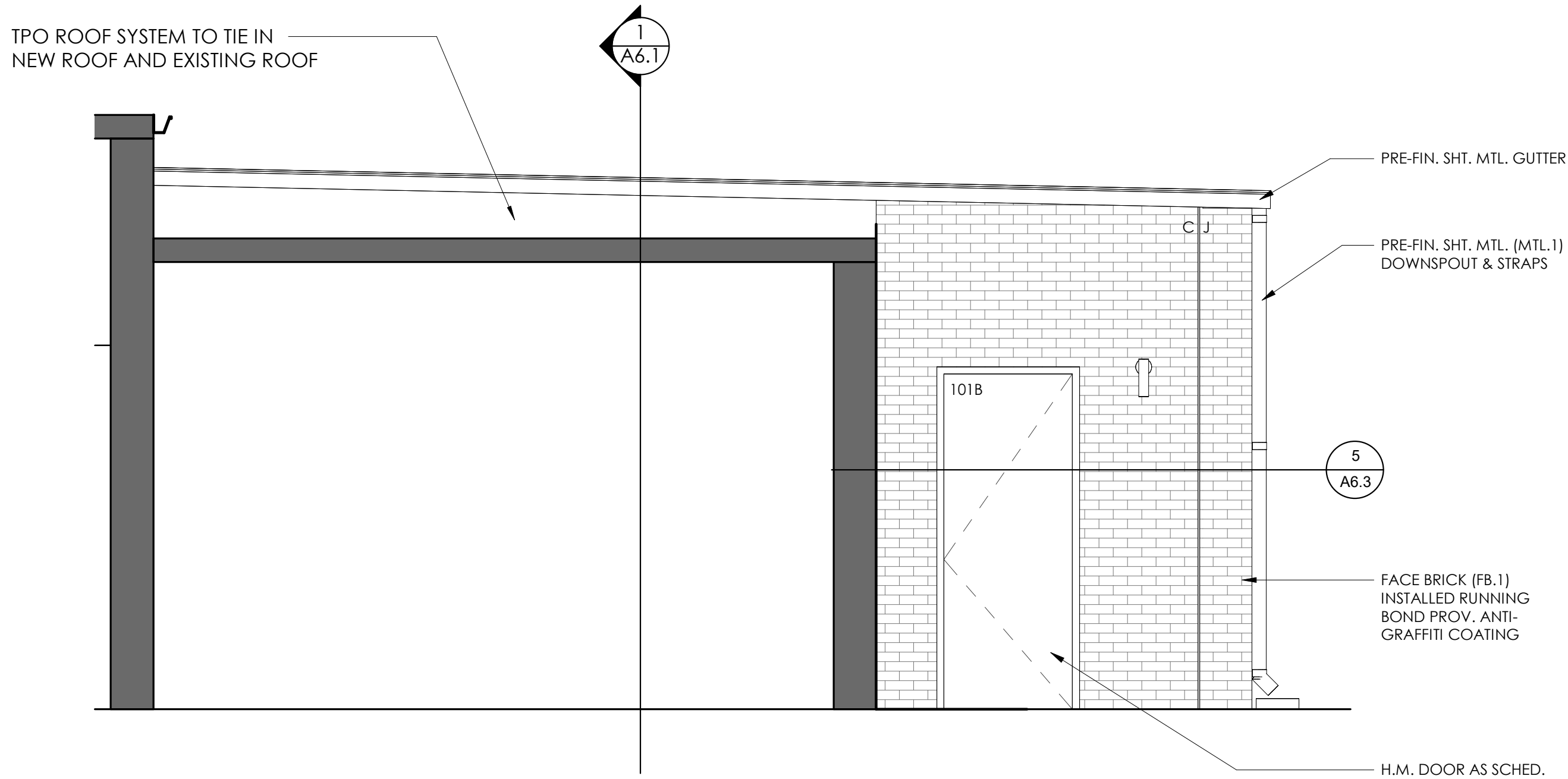
GENERAL REFLECTED CEILINGS NOTES

- VERIFY ALL CONDITIONS IN FIELD BEFORE PROCEEDING WITH THE WORK
- REF. ELECTRICAL FOR FIXTURE TYPE.
- GYP. BOARD CEILING HEIGHTS AND SOFFITS ARE TO BE VERIFIED IN FIELD.
- ALL CEILING MOUNTED DEVICE IN GWB CEILING INCLUDING, BUT NOT LIMITED TO LIGHT FIXTURES, HVAC GRILLES, FIRE ALARM DEVICE, FIRE SPRINKLER HEADS, ACCESS DOORS, ETC.TO ALIGN.
- PROVIDE BUILDING STANDARD EXIT SIGNS AS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER THE WORK. REFER TO MEP FOR LOCATIONS.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SMOKE ALARM DEVICES, AND WIRING THAT ARE REQUIRED TO MEET THE INTERNATIONAL BUILDING CODE, AND LIFE SAFETY REQUIREMENTS. G.C. TO COORDINATE INSTALLATION AND CODE COMPLIANCE.
- ALL FACE PLATES / SWITCHES / RECEPTACLES TO BE WHITE (U.N.O). REPLACE ANY EXISTING FACE PLATES / OUTLETS / SWITCHES THAT ARE NOT WHITE.
- SPRINKLER CONTRACTOR SHALL RELOCATE EXISTING SPRINKLER HEADS AND PIPING AS REQUIRED TO MEET FULL COVERAGE OF SPACE PER NFPA 13. INSTALLATION TO MEET ALL REQUIREMENTS OF LOCAL, STATE AND NATIONAL CODES AND STANDARDS.
- COORDINATE RELOCATION OF PIPING AND SPRINKLER HEADS WITH OTHER TRADES. SPRINKLER HEADS TO NOT INTERFERE WITH LIGHT FIXTURE OR AIR DEVICE LOCATIONS IN CEILING. CONTRACTOR TO REVIEW ARCHITECTURAL CEILING DRAWINGS TO DETERMINE THE EXACT LOCATIONS OF ALL SPRINKLER HEADS. PIPING TO NOT INTERFERE WITH CLEARANCE REQUIREMENTS OF EQUIPMENT OR DEVICES FROM OTHER TRADES. IN ACOUSTICAL CEILINGS, LOCATE SPRINKLER HEADS IN THE CENTER OF THE TILE.

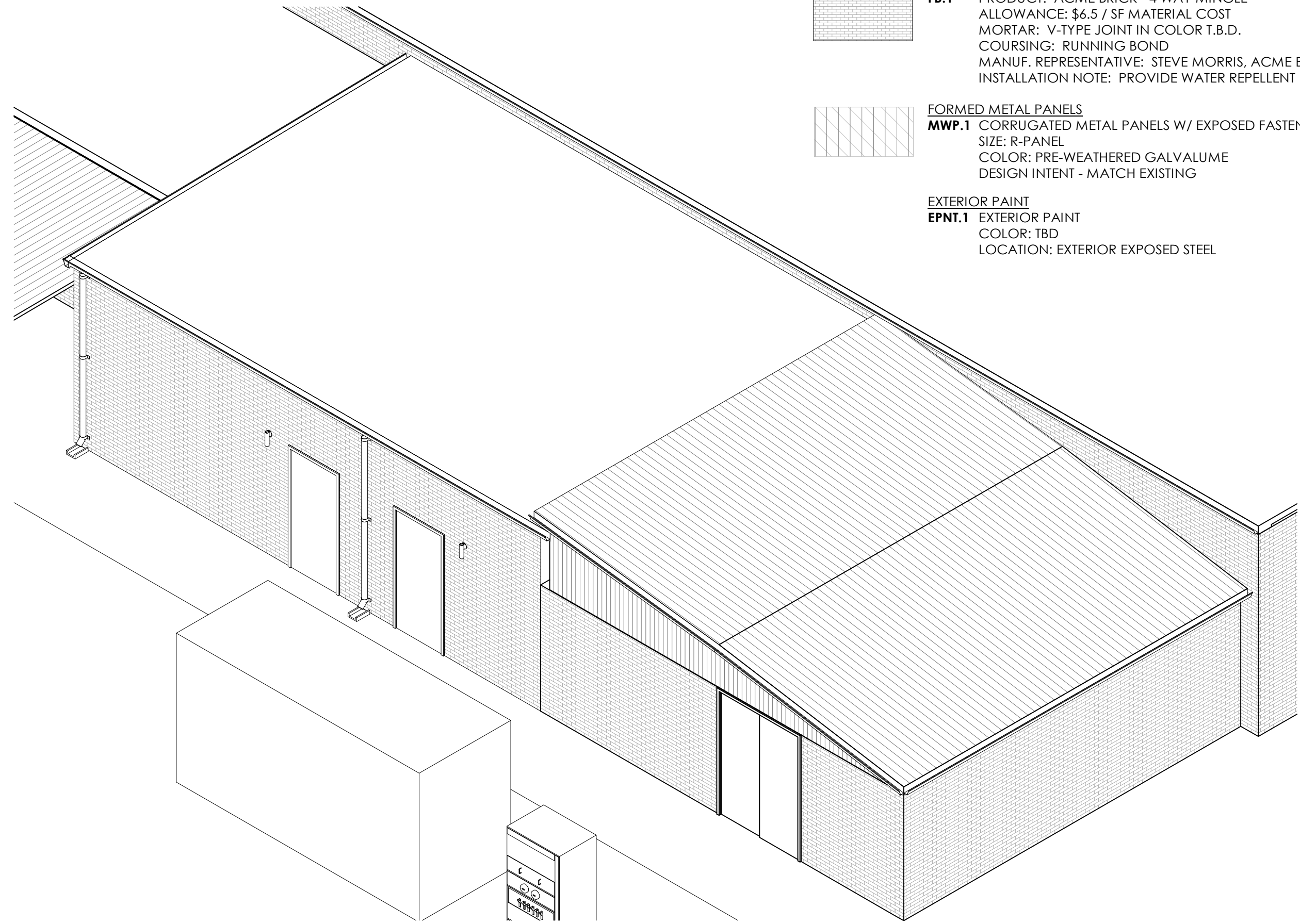


1 REFLECTED CEILING PLAN (RCP)
SCALE: 3/32" = 1'-0"

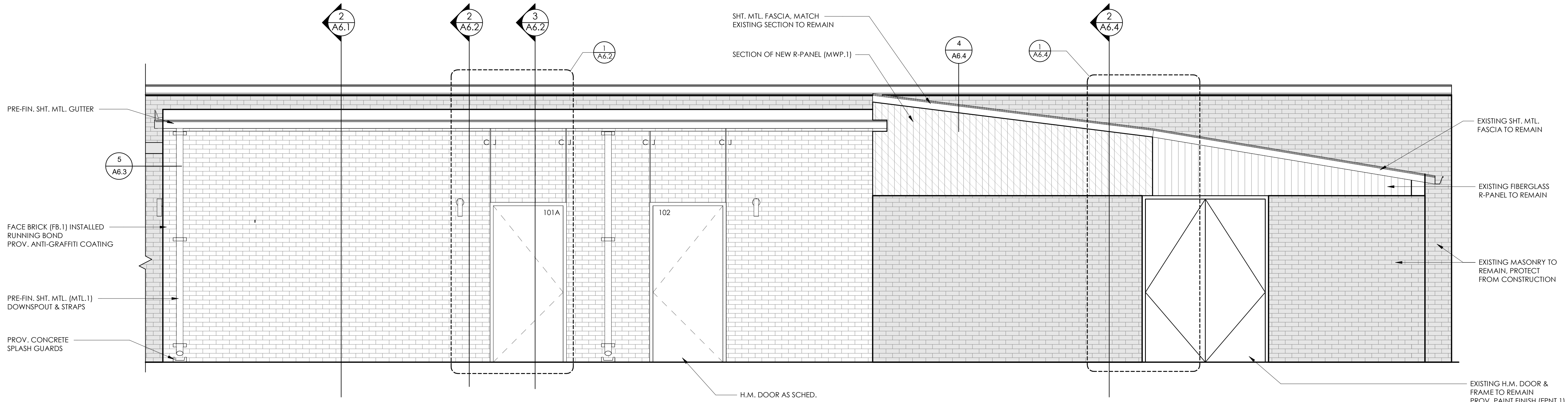
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2 ELEVATION @ ELECTR RM 101 & 102 SIDE
SCALE: 3/8" = 1'-0"



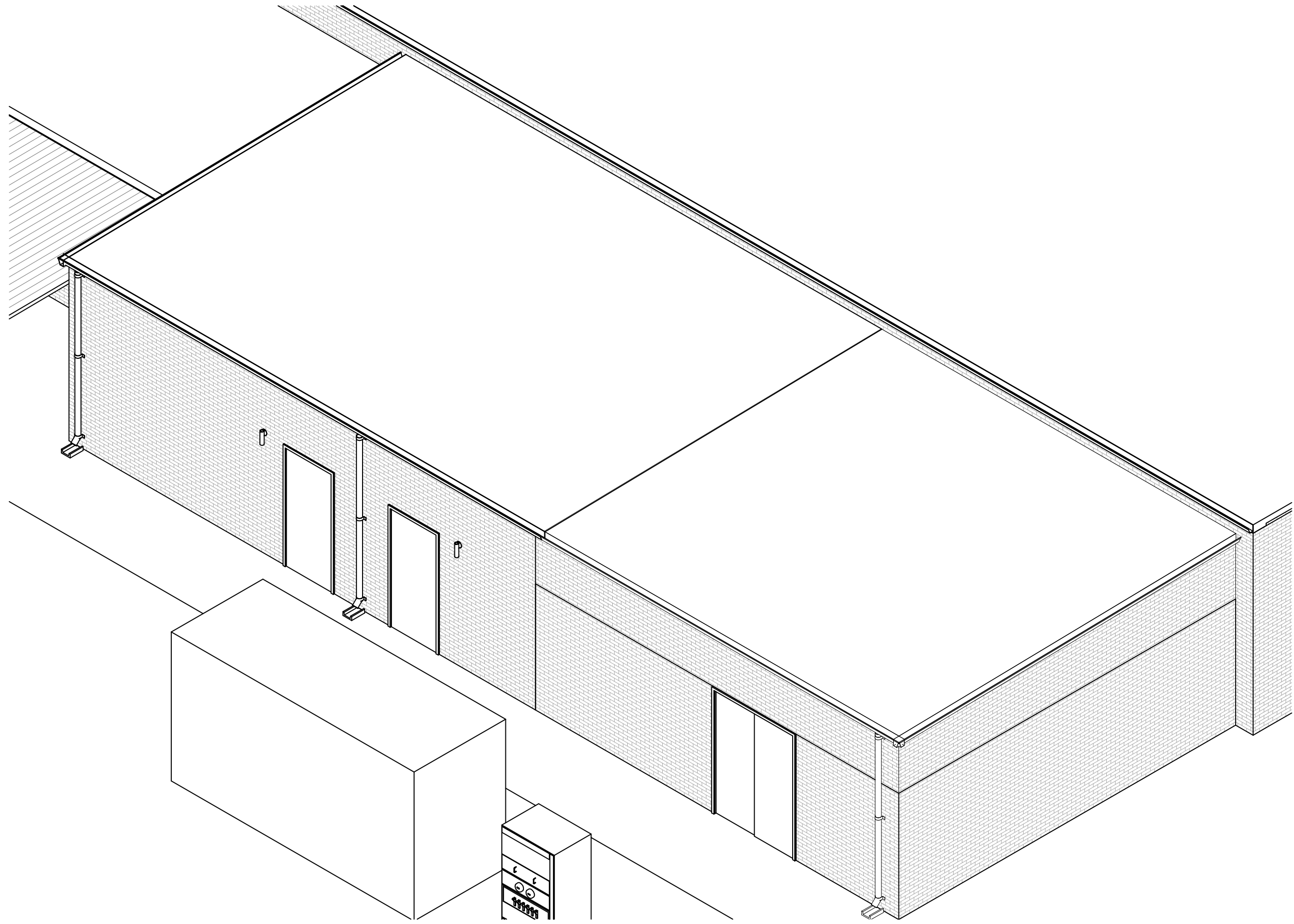
3 AXON VIEW - PHASE 1
SCALE:



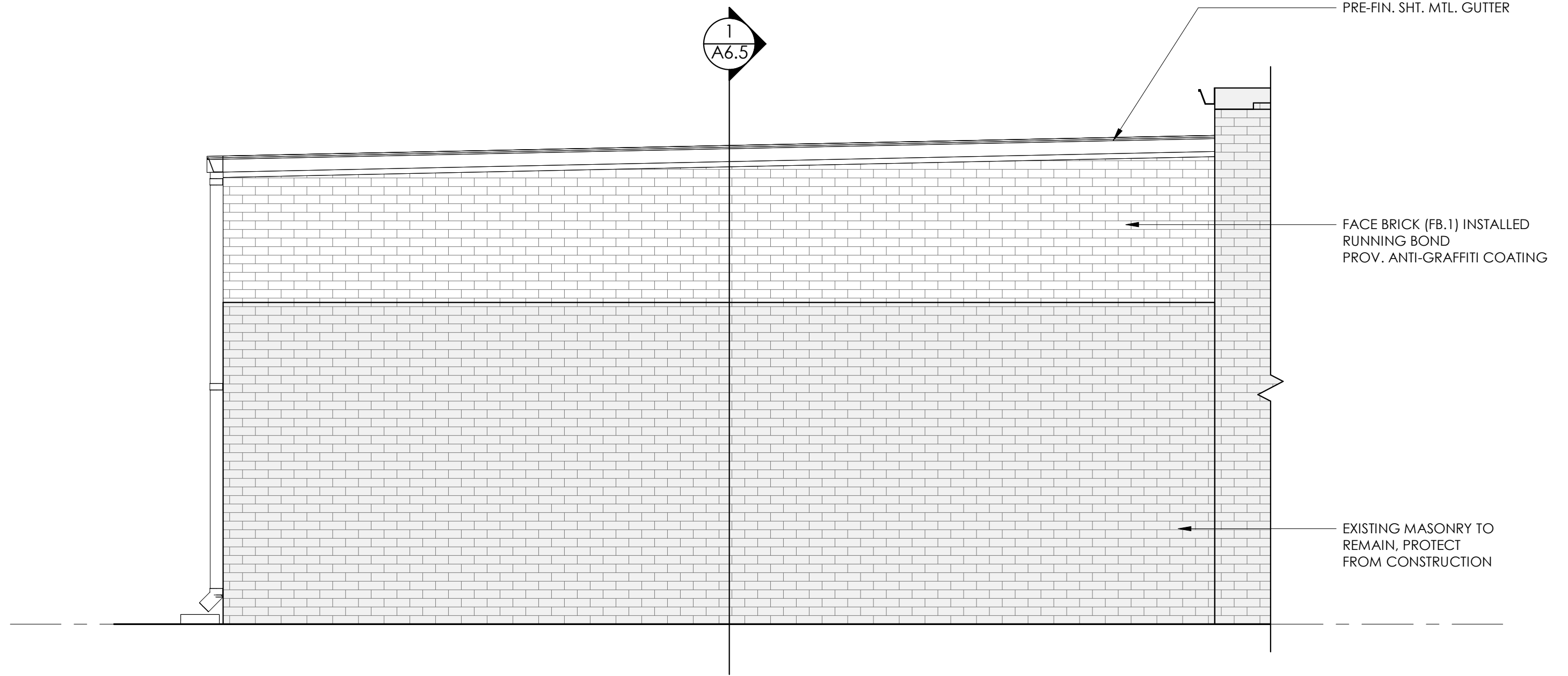
1 ELEVATION @ ELECT RM 101 @ 102 ENTRANCE
SCALE: 3/8" = 1'-0"

EXTERIOR FINISH LEGEND
REFER PROJECT MANUAL FOR ASSOCIATED INFORMATION ON THE FINISHES BELOW.

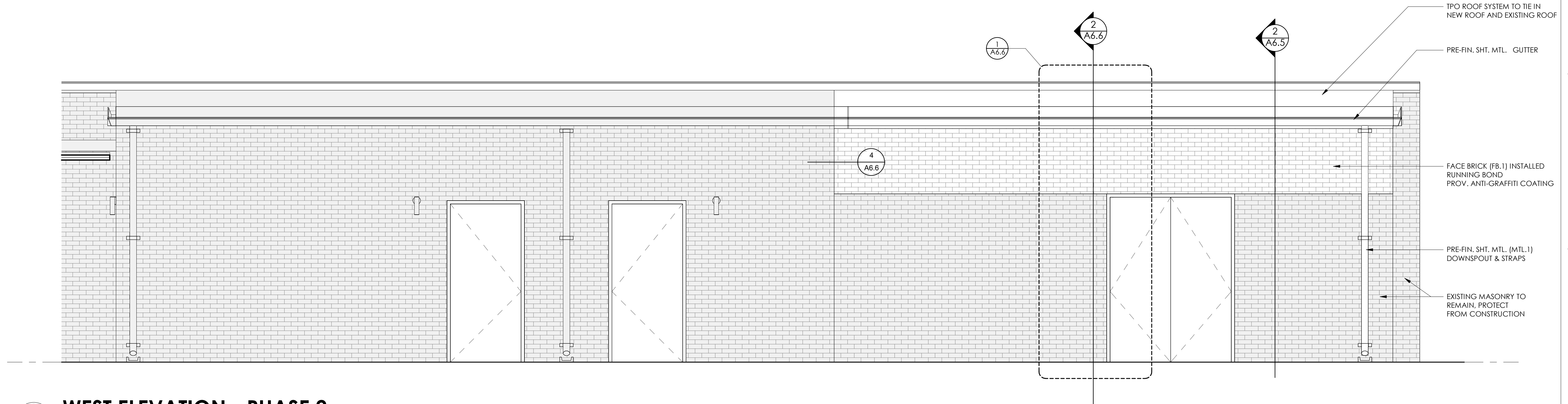
- EXTERIOR FACE BRICK MASONRY VENEER**
FB.1 PRODUCT: ACME BRICK - 4 WAY MINGLE
ALLOWANCE: \$6.5 / SF MATERIAL COST
MORTAR: V-TYPE JOINT IN COLOR T.B.D.
COURSING: RUNNING BOND
MANUF. REPRESENTATIVE: STEVE MORRIS, ACME BRICK
INSTALLATION NOTE: PROVIDE WATER REPELLENT
- FORMED METAL PANELS**
MWP.1 CORRUGATED METAL PANELS W/ EXPOSED FASTENERS
SIZE: R-PANEL
COLOR: PRE-WEATHERED GALVALUME
DESIGN INTENT - MATCH EXISTING
- EXTERIOR PAINT**
EPNT.1 EXTERIOR PAINT
COLOR: TBD
LOCATION: EXTERIOR EXPOSED STEEL



3 AXON VIEW - PHASE 2
SCALE:



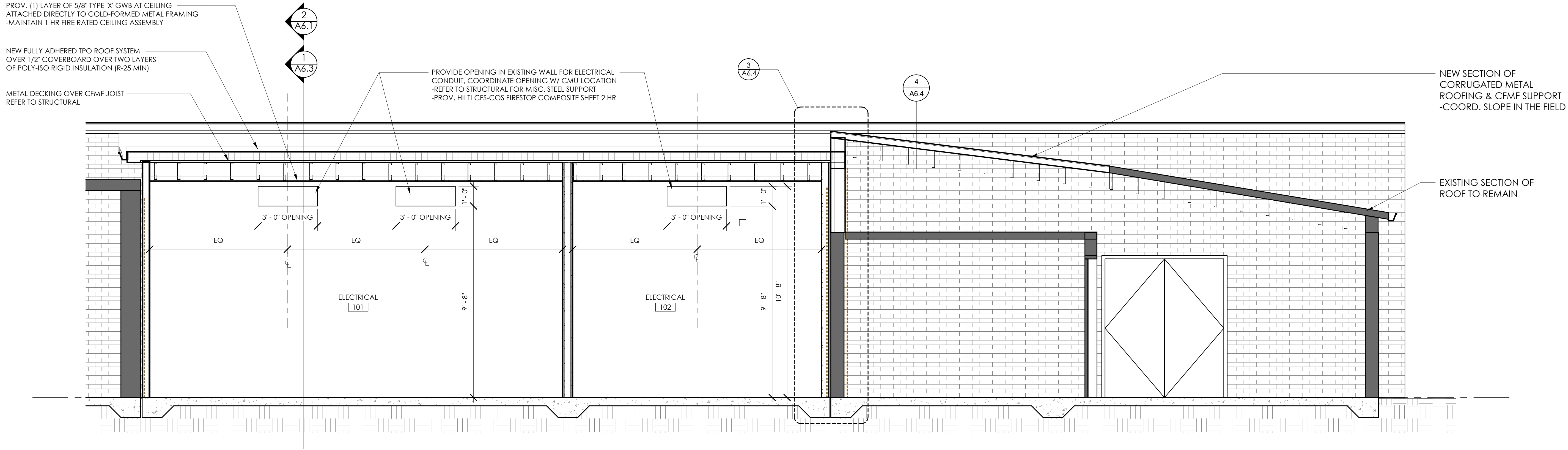
2 SOUTH ELEVATION - PHASE 2
SCALE: 3/8" = 1'-0"



1 WEST ELEVATION - PHASE 2
SCALE: 3/8" = 1'-0"

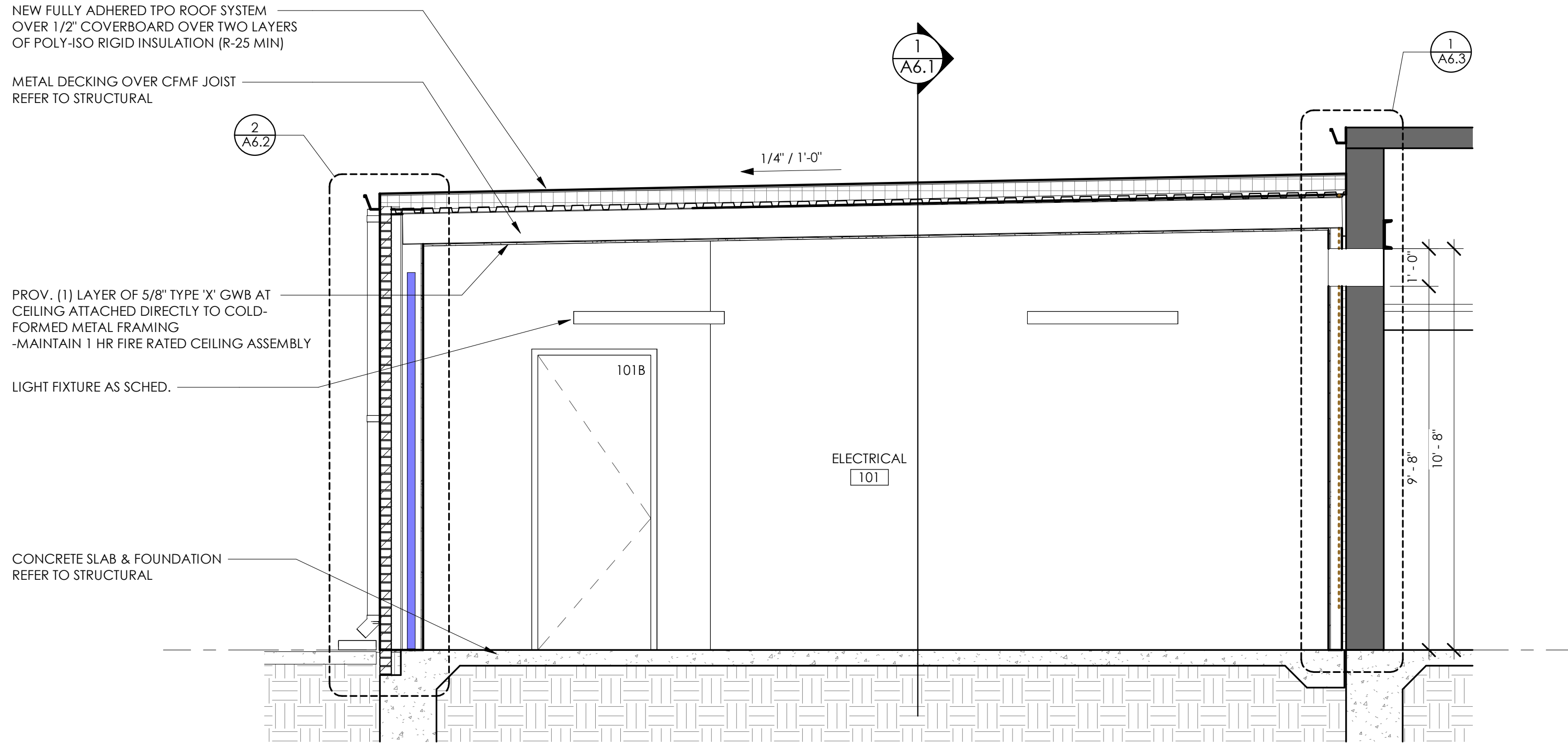
1 N-S BUILDING SECTION

SCALE: 3/8" = 1'-0"

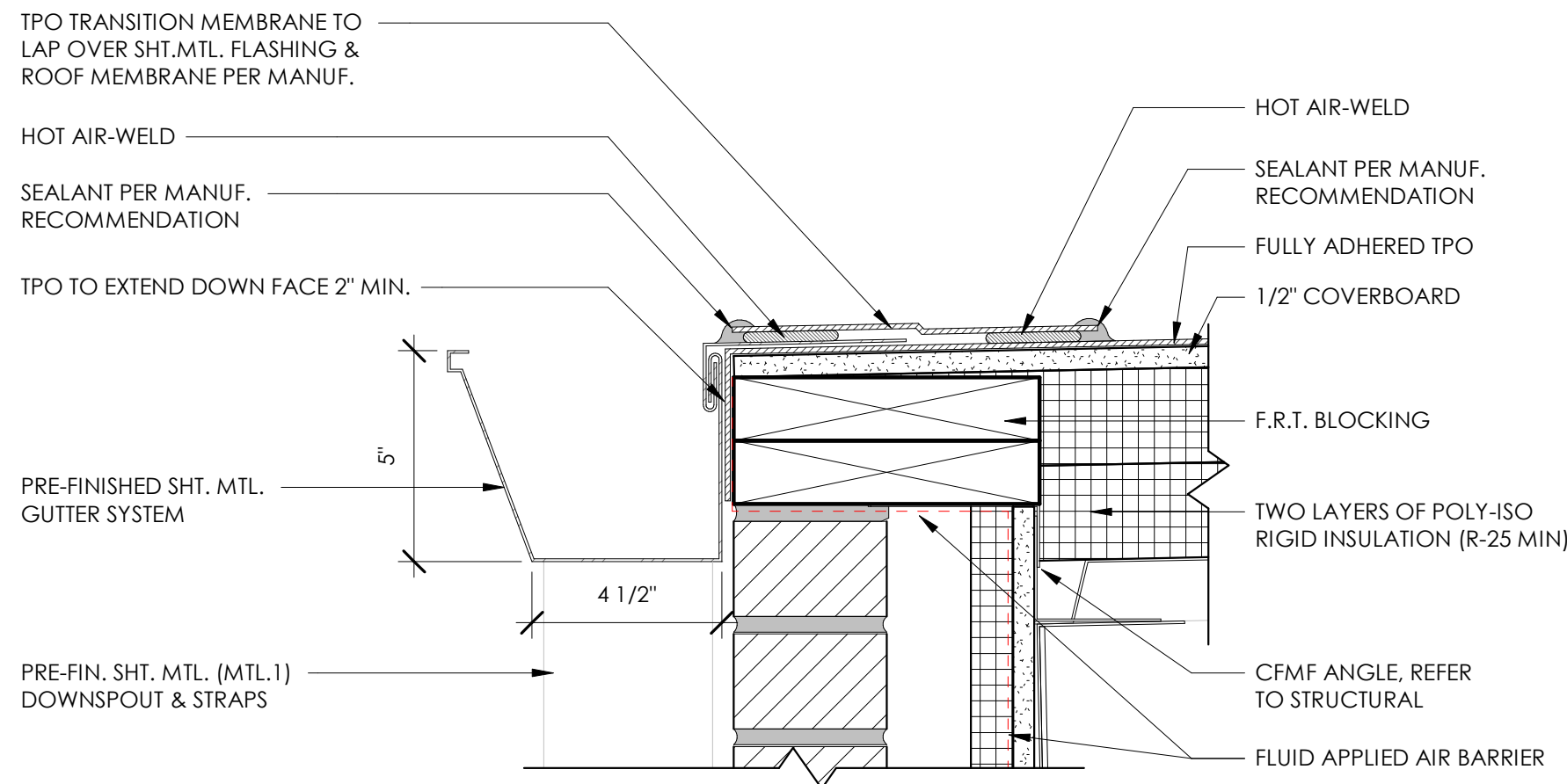


2 W-E BUILDING SECTION

SCALE: 3/8" = 1'-0"

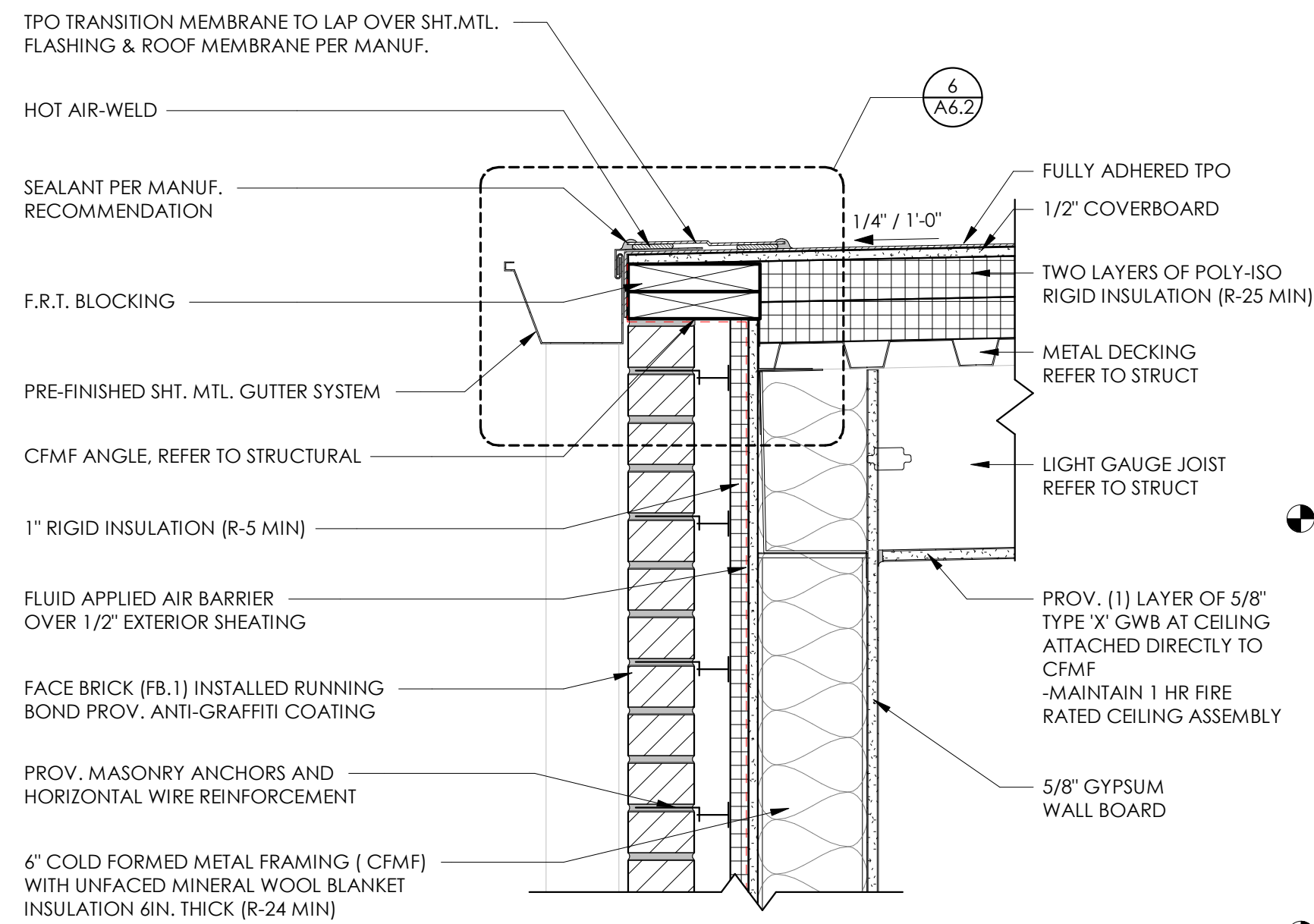


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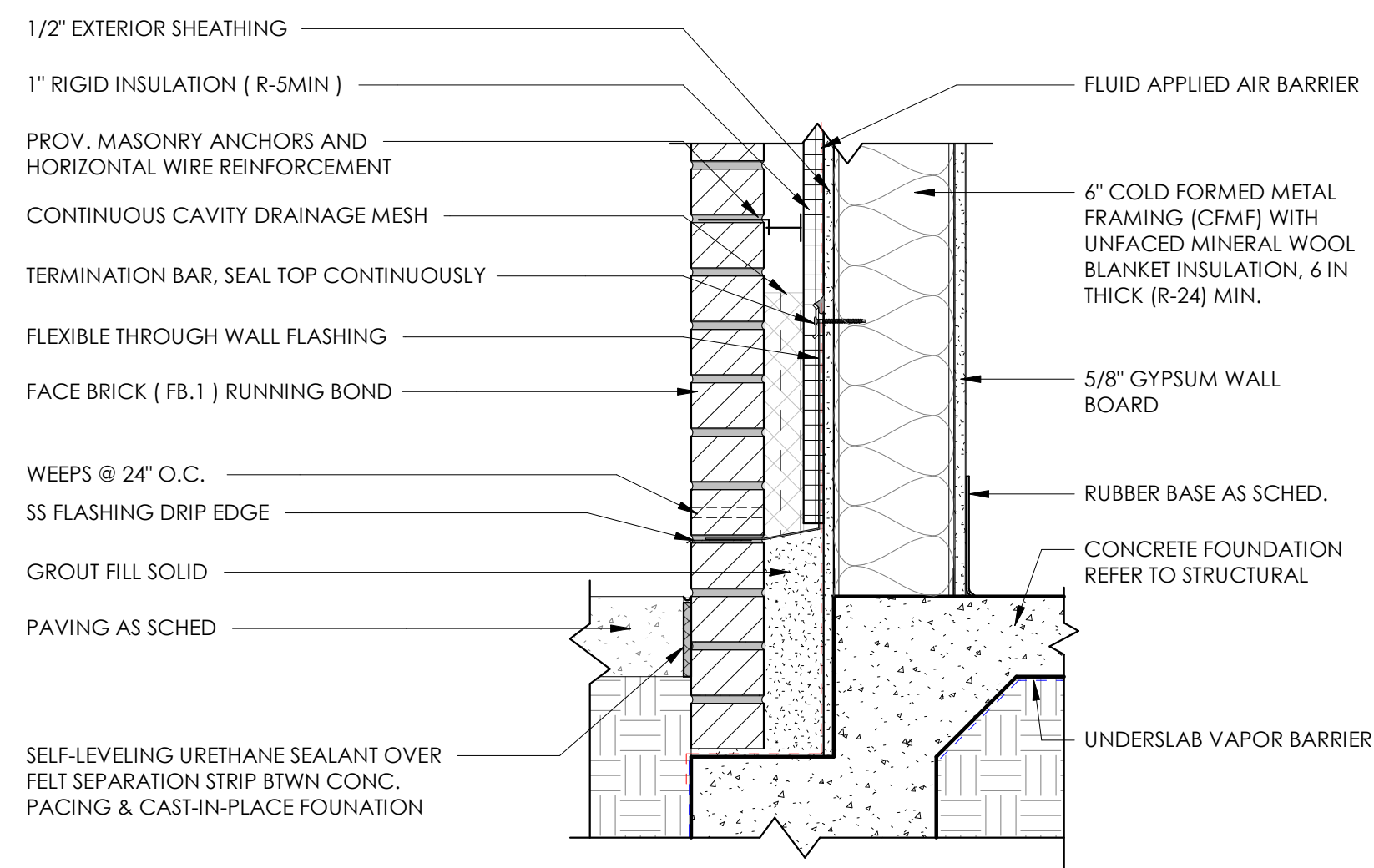
6 GUTTER DETAIL

SCALE: 3" = 1'-0"



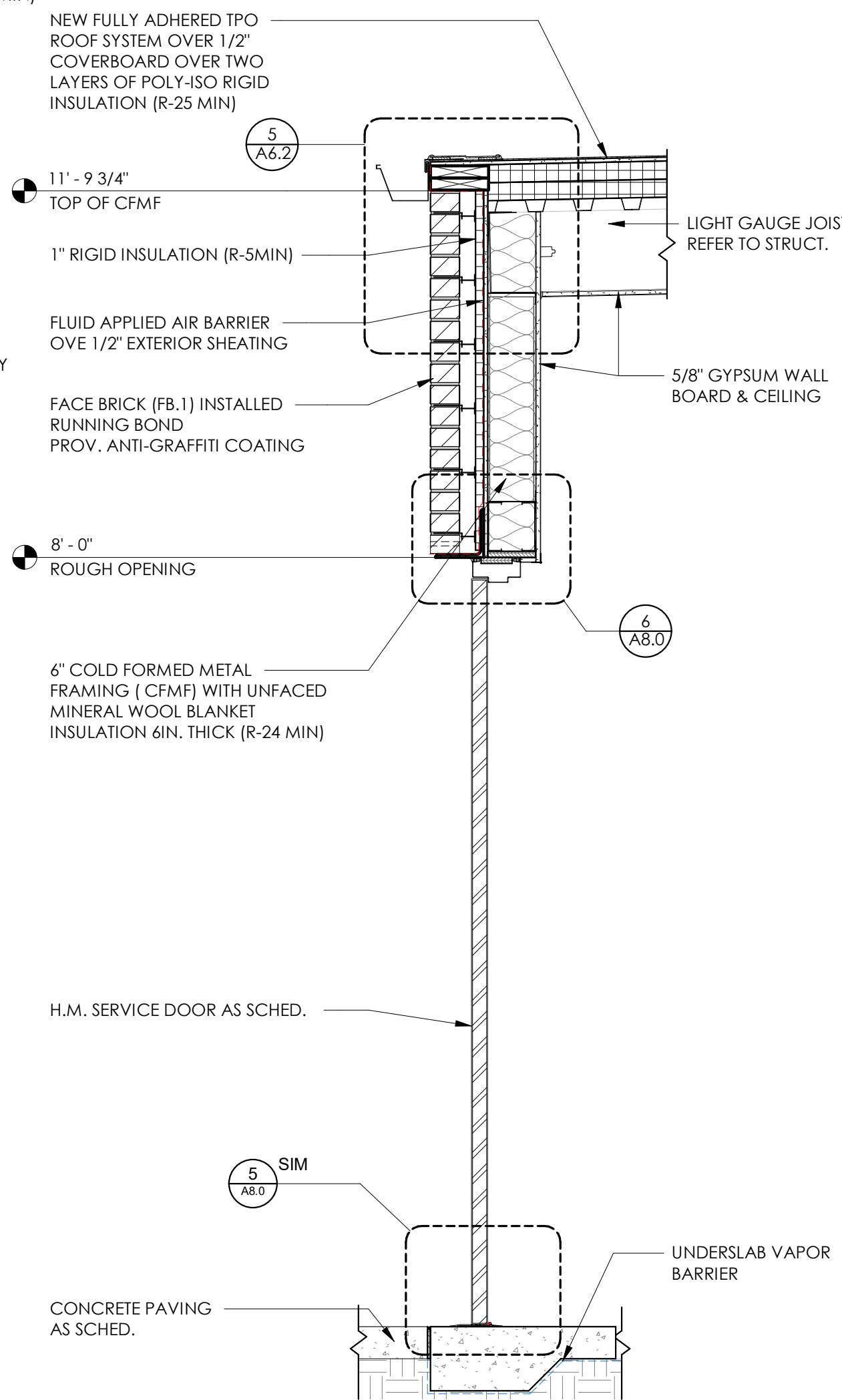
5 ENLARGED ROOF

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



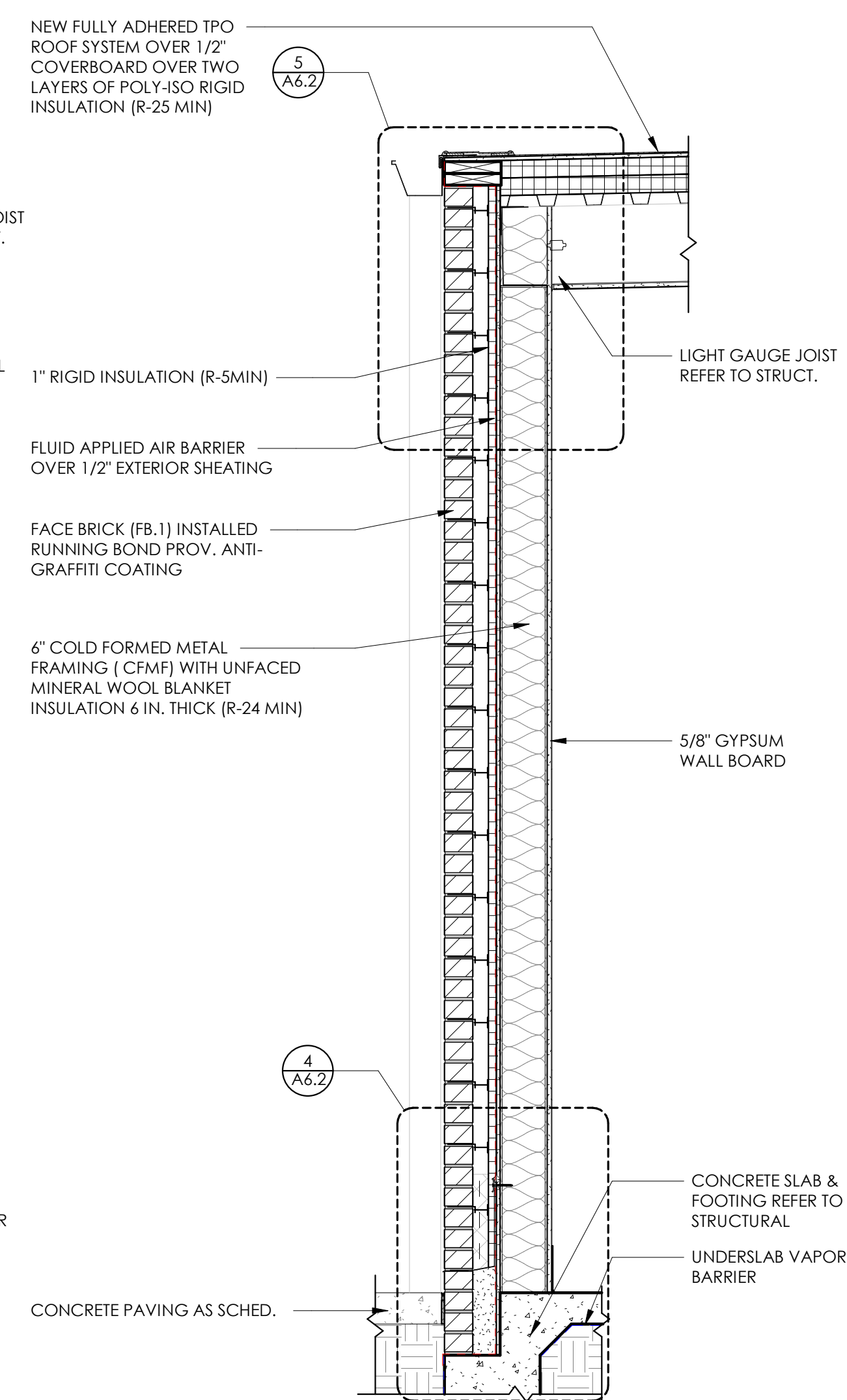
4 ENLARGED BRICK BASE

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



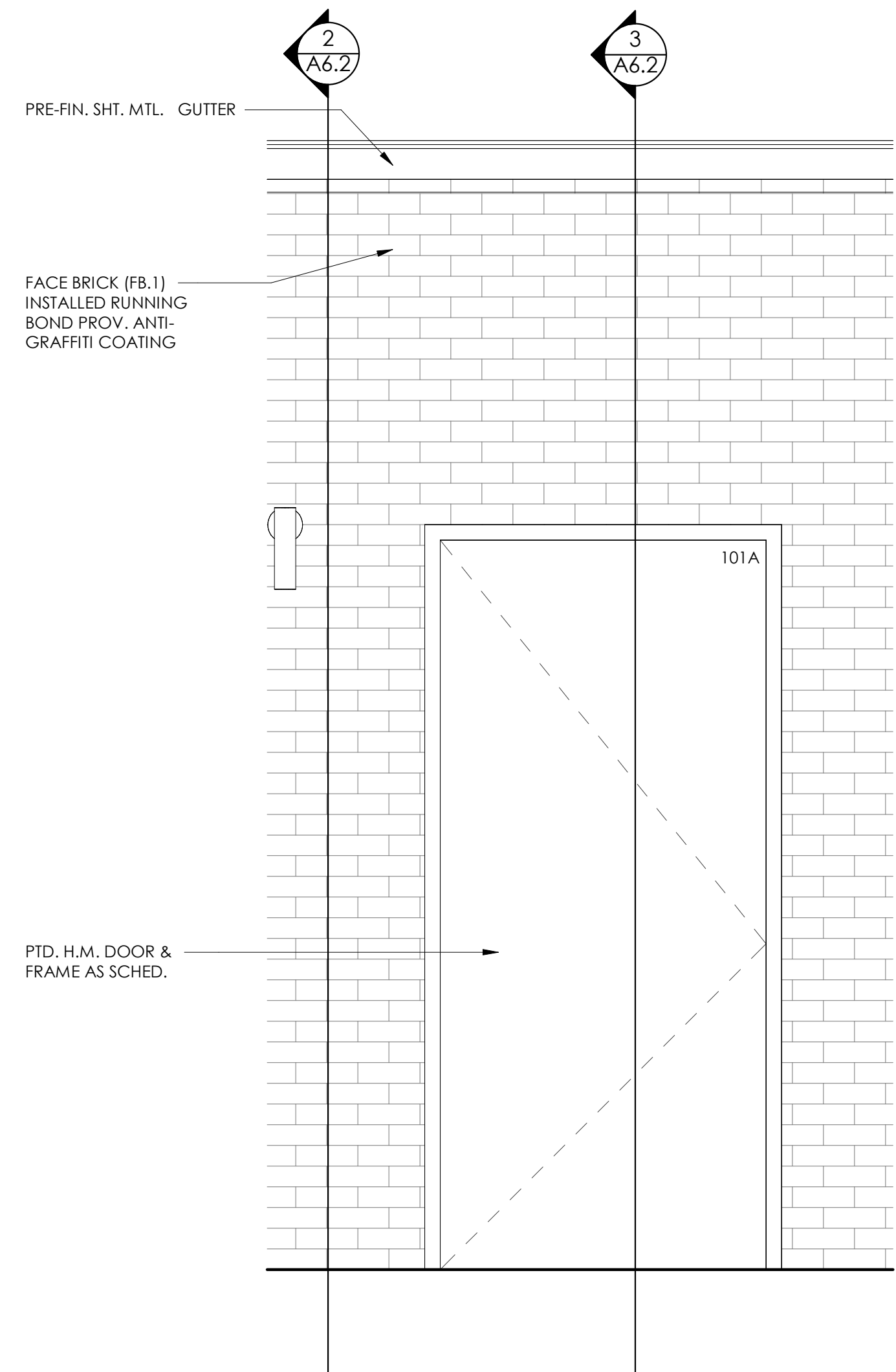
3 WALL SECTION @ HM DR

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



2 WALL SECTION BRICK

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



1 ENLARGED ELEVATION AT FRONT

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

LYNN COUNTY HEALTHCARE SYSTEM
ELECTRICAL UPGRADE

2600 LOCKWOOD ST.,
TAHOCA, TEXAS 79373

CONSTRUCTION DOCUMENTS

02.24.2025

ENLARGED ELEVATIONS,
WALL SECTIONS & DETAILS

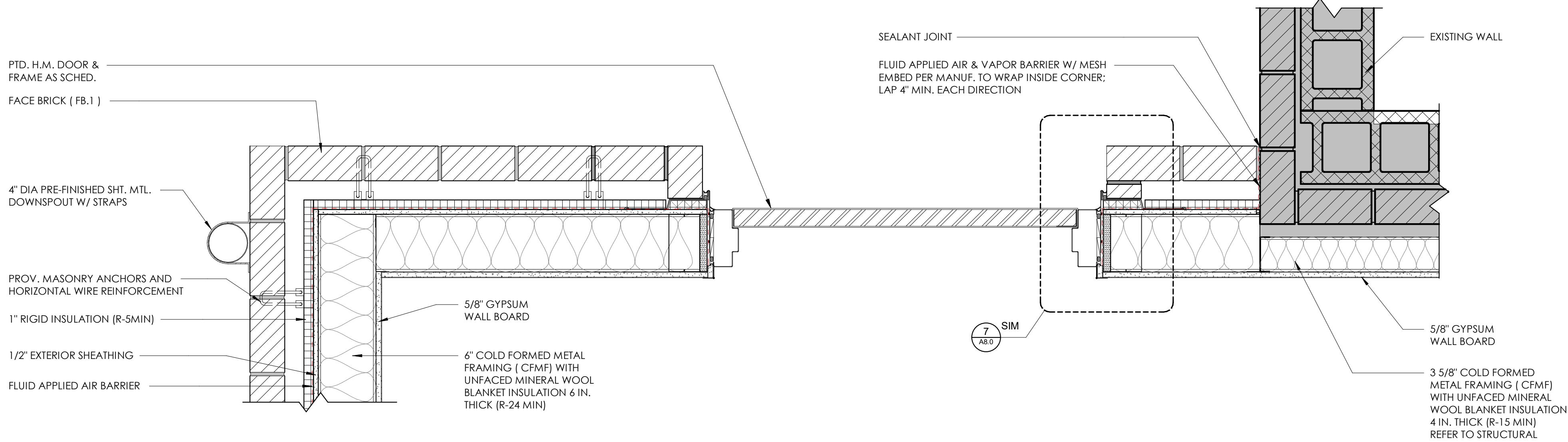
A6.2



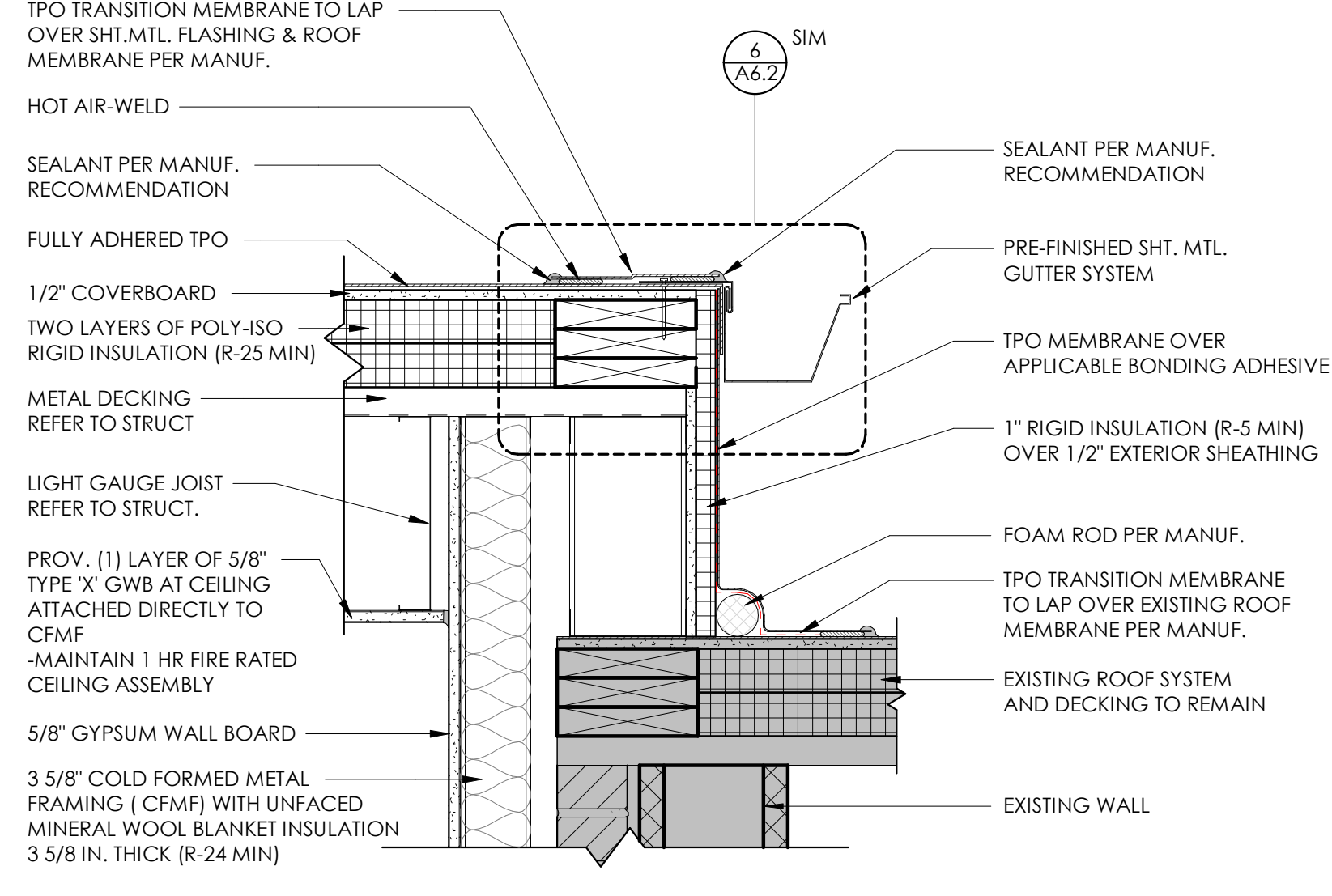
02.26.2025

STUDIO
ELES

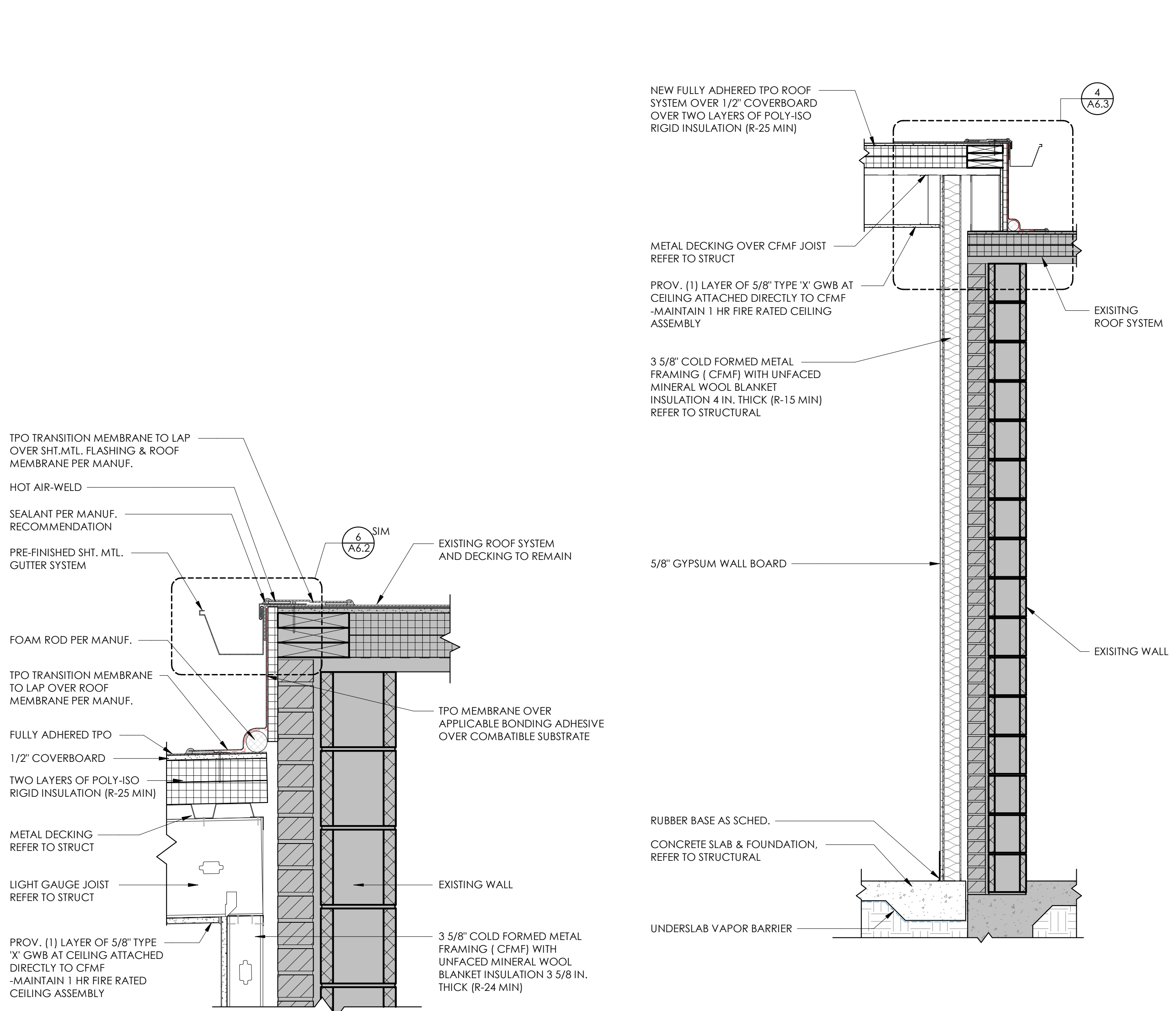
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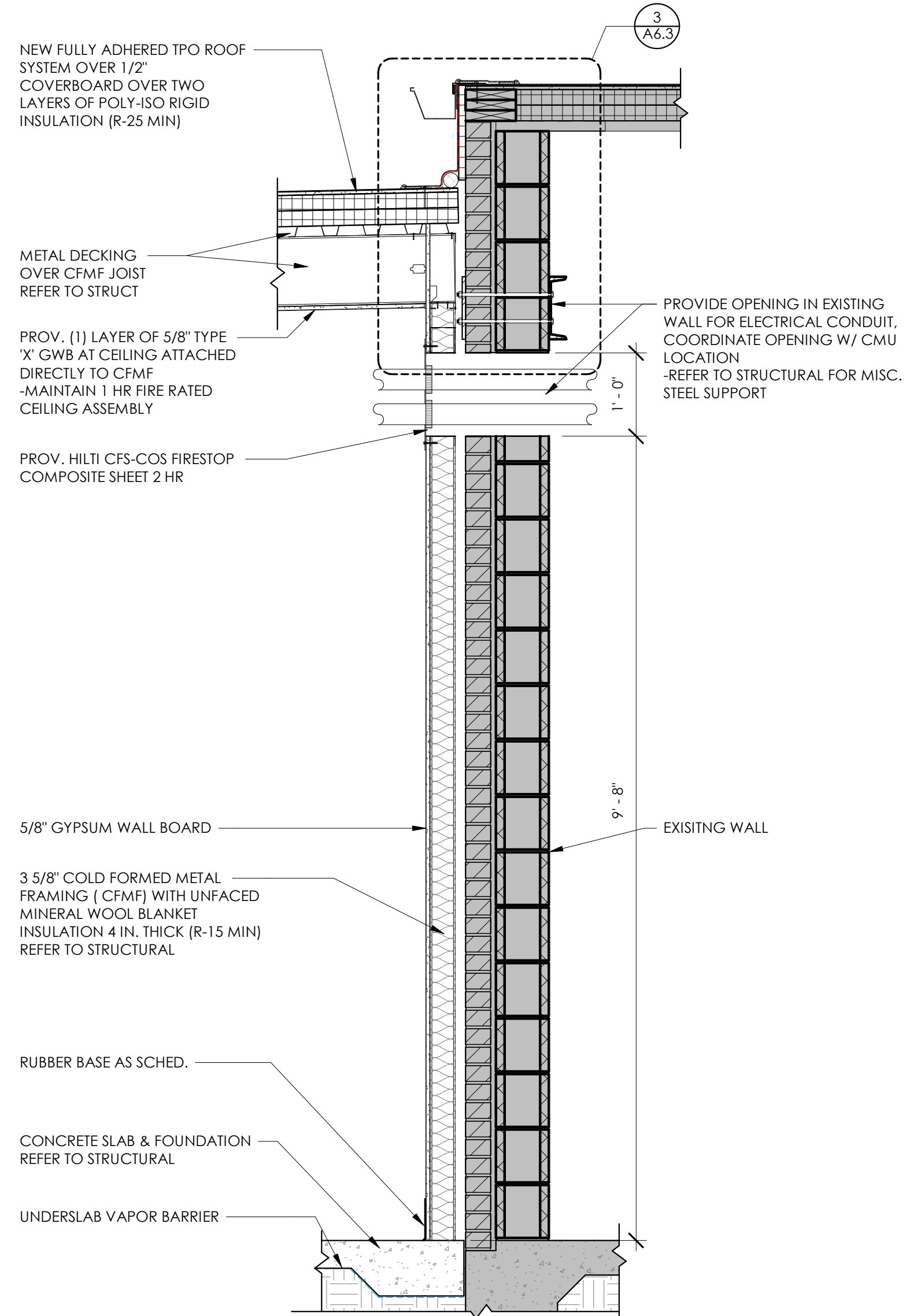
5 PLAN DETAIL @ CORNER BRICK
SCALE: 1 1/2" = 1'-0"



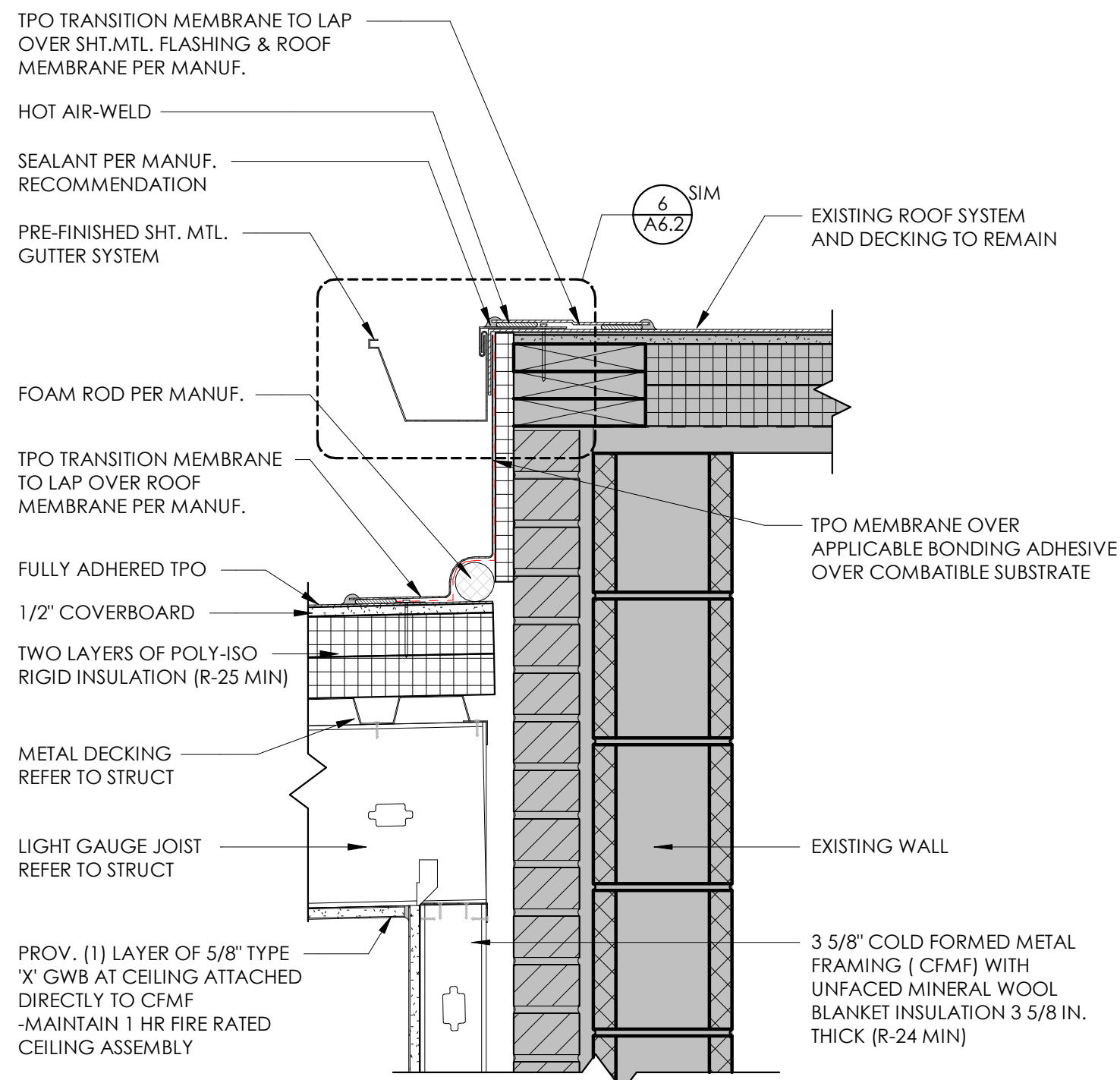
4 DETAIL @ ROOF TRANSITION
SCALE: 1 1/2" = 1'-0"



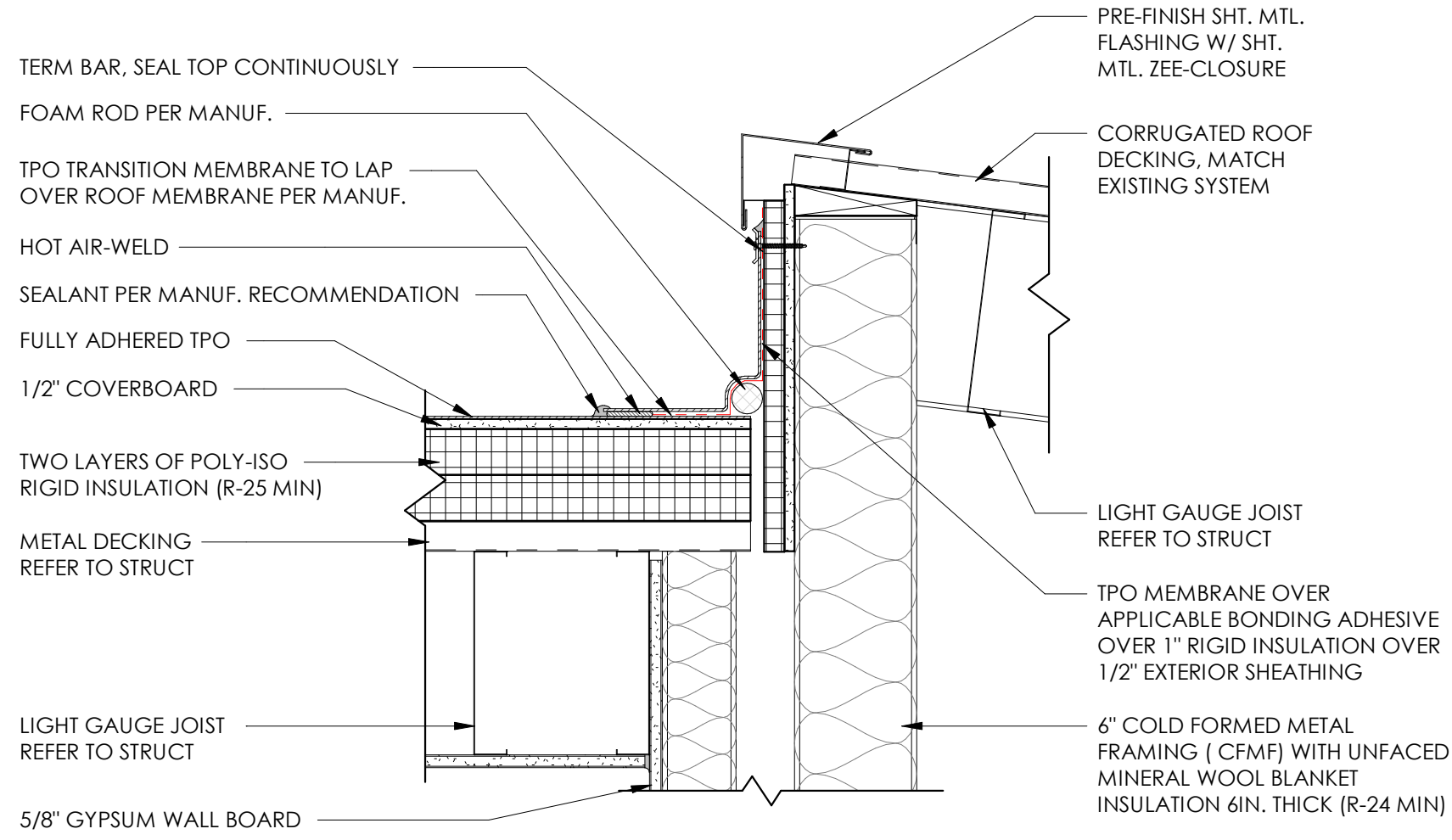
2 WALL SECTION @ EXISTING N WALL
SCALE: 3/4" = 1'-0"



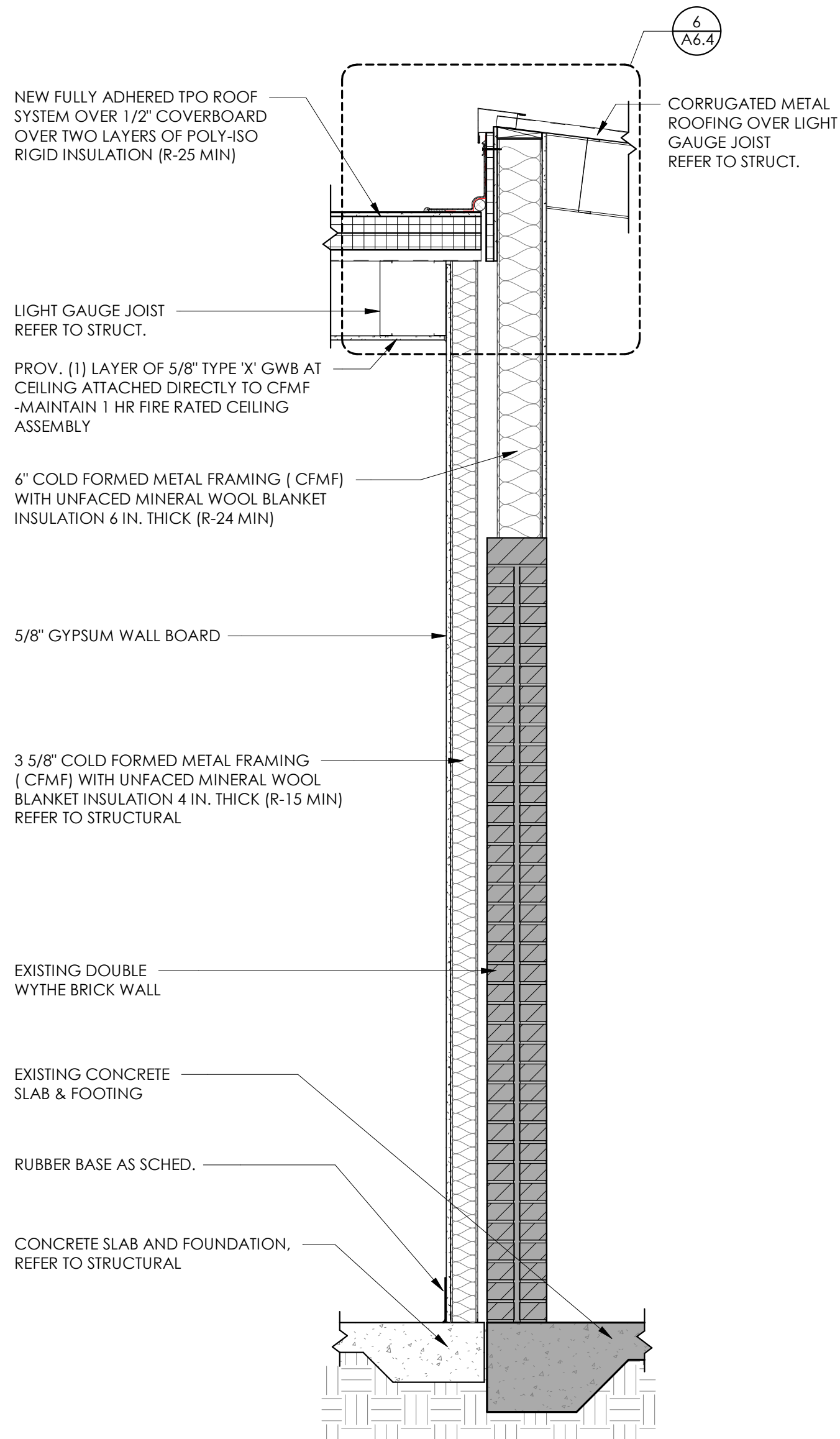
1 WALL SECTION @ EXISTING E WALL
SCALE: 3/4" = 1'-0"



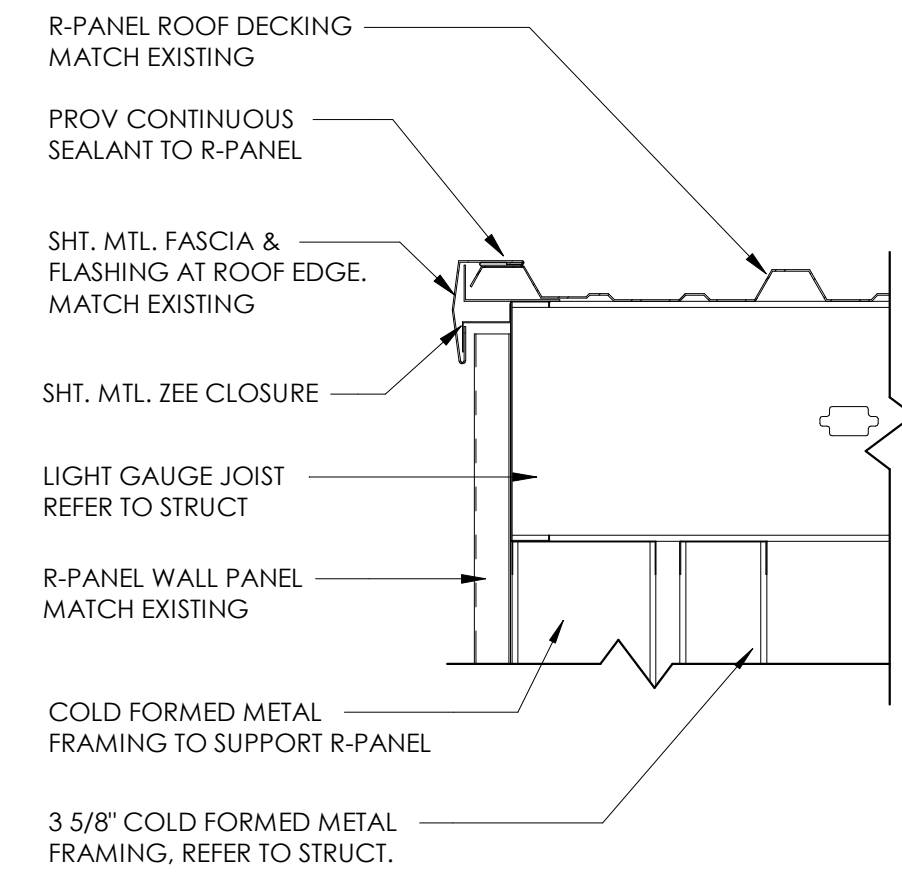
3 DETAIL @ EXISTING HIGH ROOF
SCALE: 1 1/2" = 1'-0"



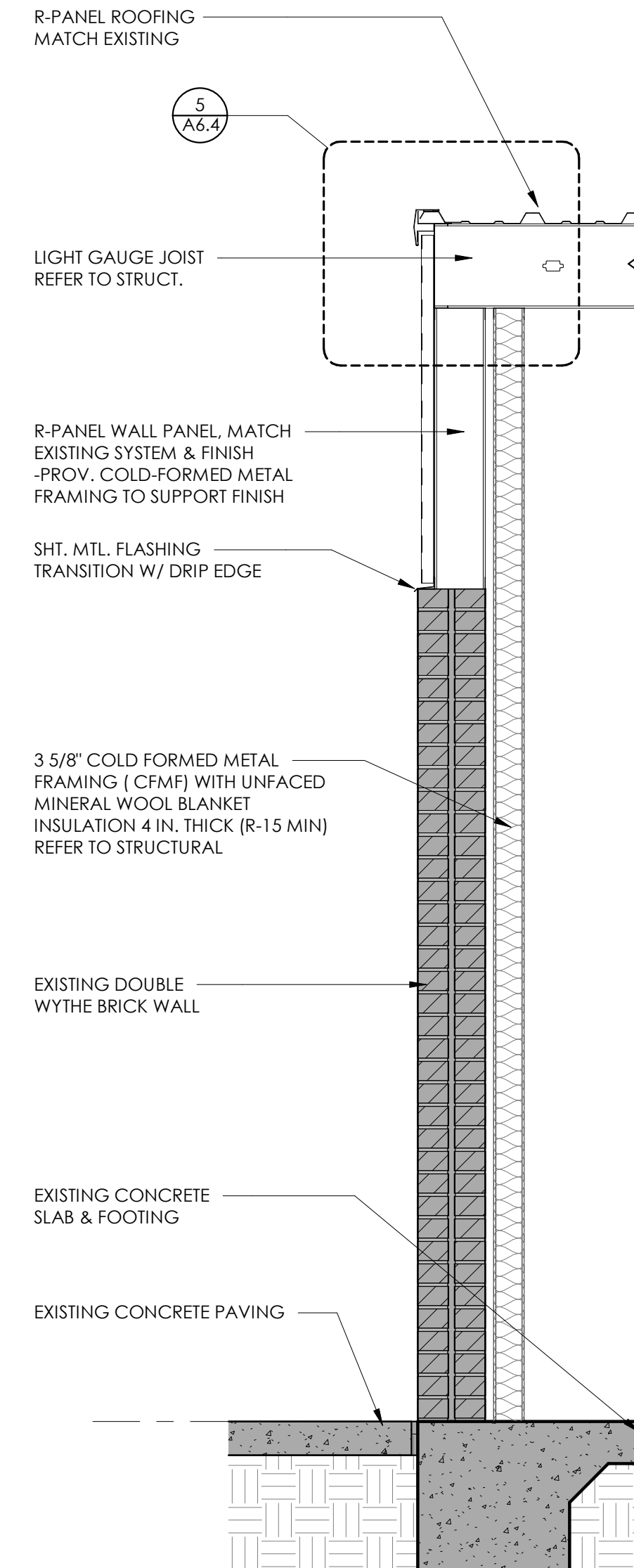
6 **DETAIL @ PHASE 1 ROOF**
SCALE: 1 1/2" = 1'-0"



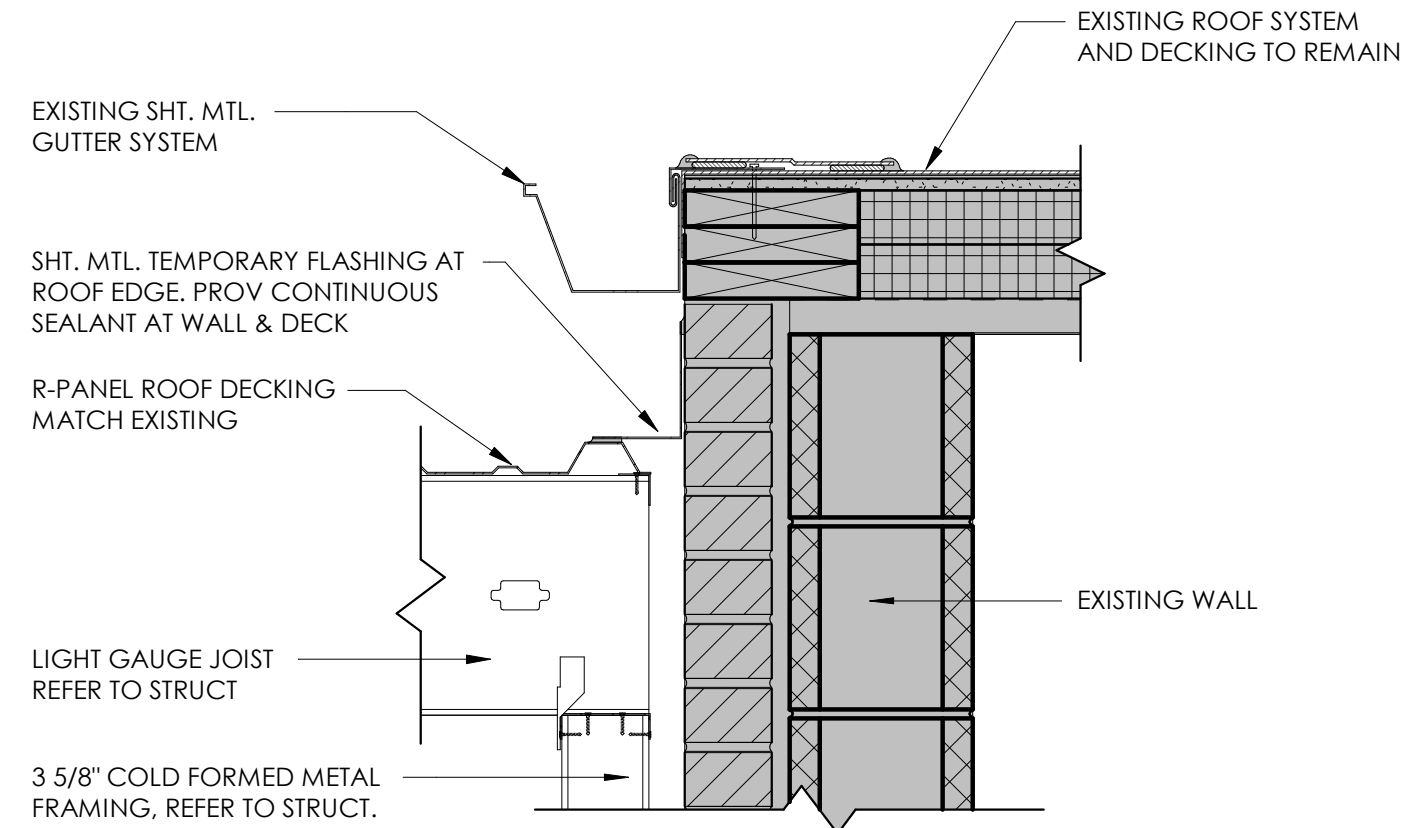
3 **WALL SECTION @ S WALL**
SCALE: 3/4" = 1'-0"



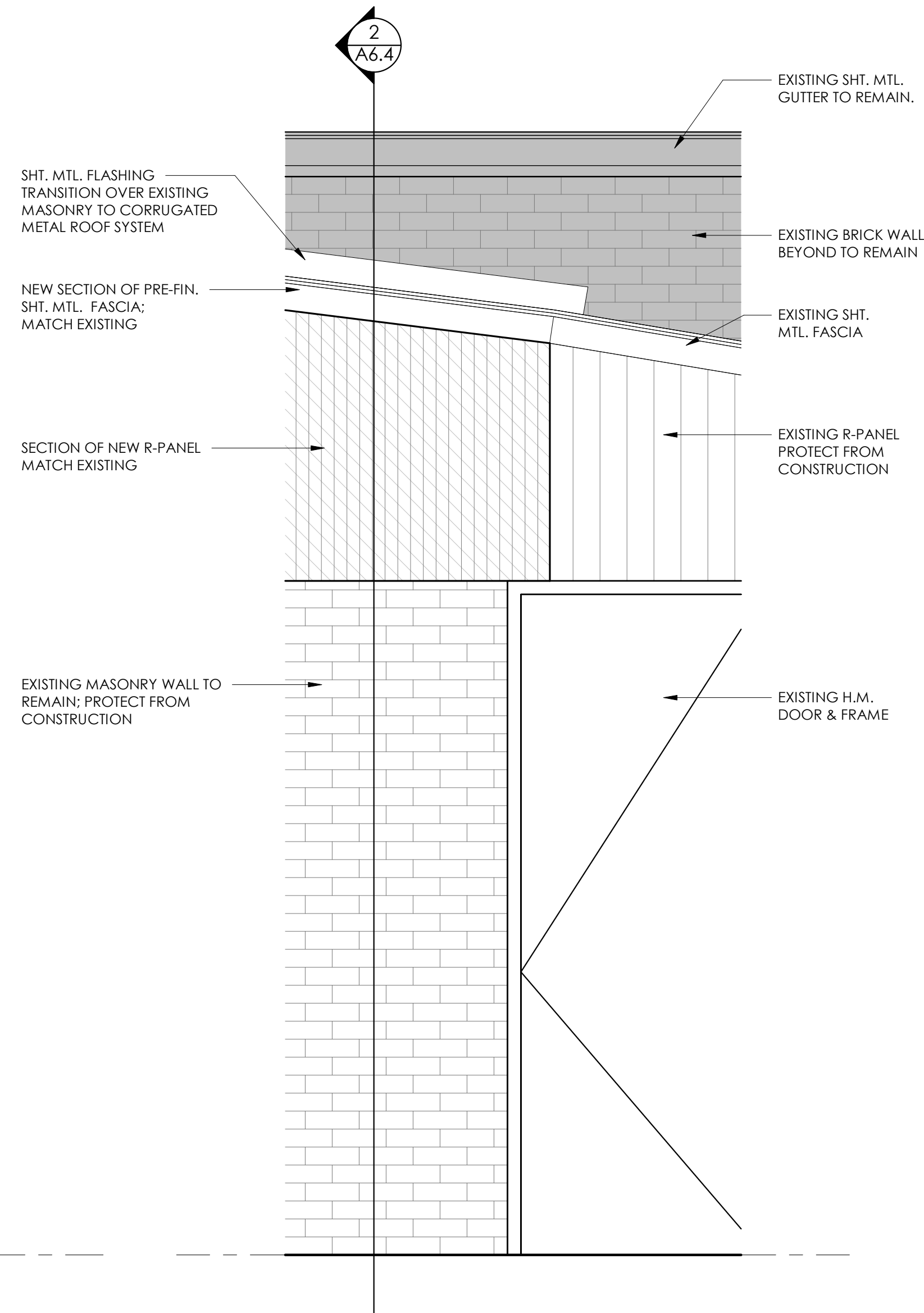
5 **ROOF EDGE DETAL @ MWP**
SCALE: 1 1/2" = 1'-0"



2 **WALL SECTION @ R-PANEL**
SCALE: 3/4" = 1'-0"



4 **ROOF DTL @ PHASE 1 TO EXISTING**
SCALE: 1 1/2" = 1'-0"



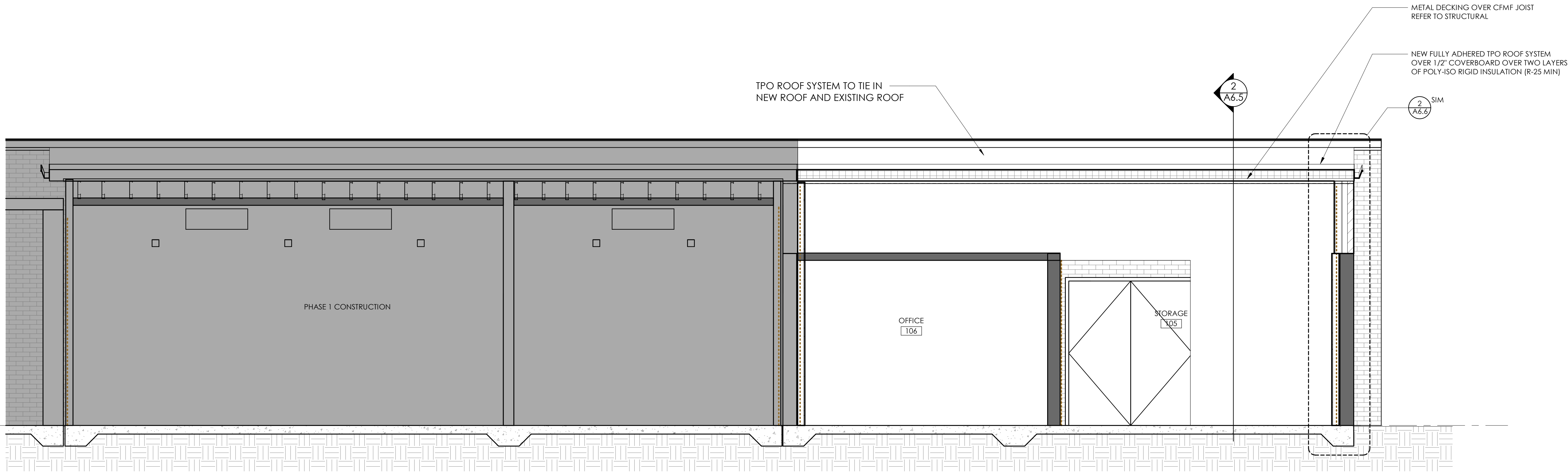
1 **ENLARGED ELEVATION**
SCALE: 3/4" = 1'-0"

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1

N-S BUILDING SECTION - PHASE 2

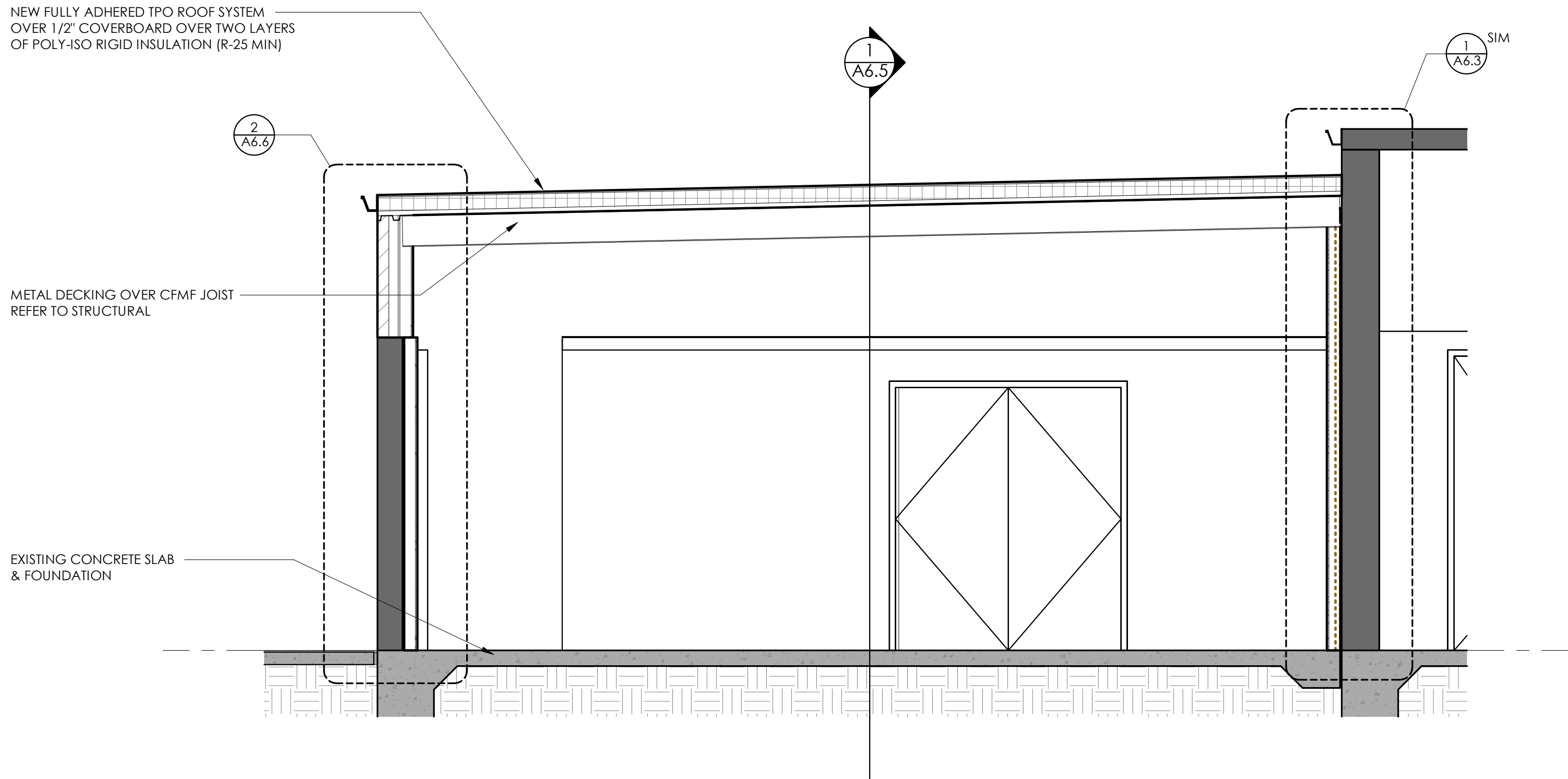
SCALE: 3/8" = 1'-0"



2

W-E BUILDING SECTION -PHASE 2

SCALE: 3/8" = 1'-0"



BUILDING SECTION - PHASE 2

A6.5

CONSTRUCTION DOCUMENTS

LYNN COUNTY HEALTHCARE SYSTEM
ELECTRICAL UPGRADE

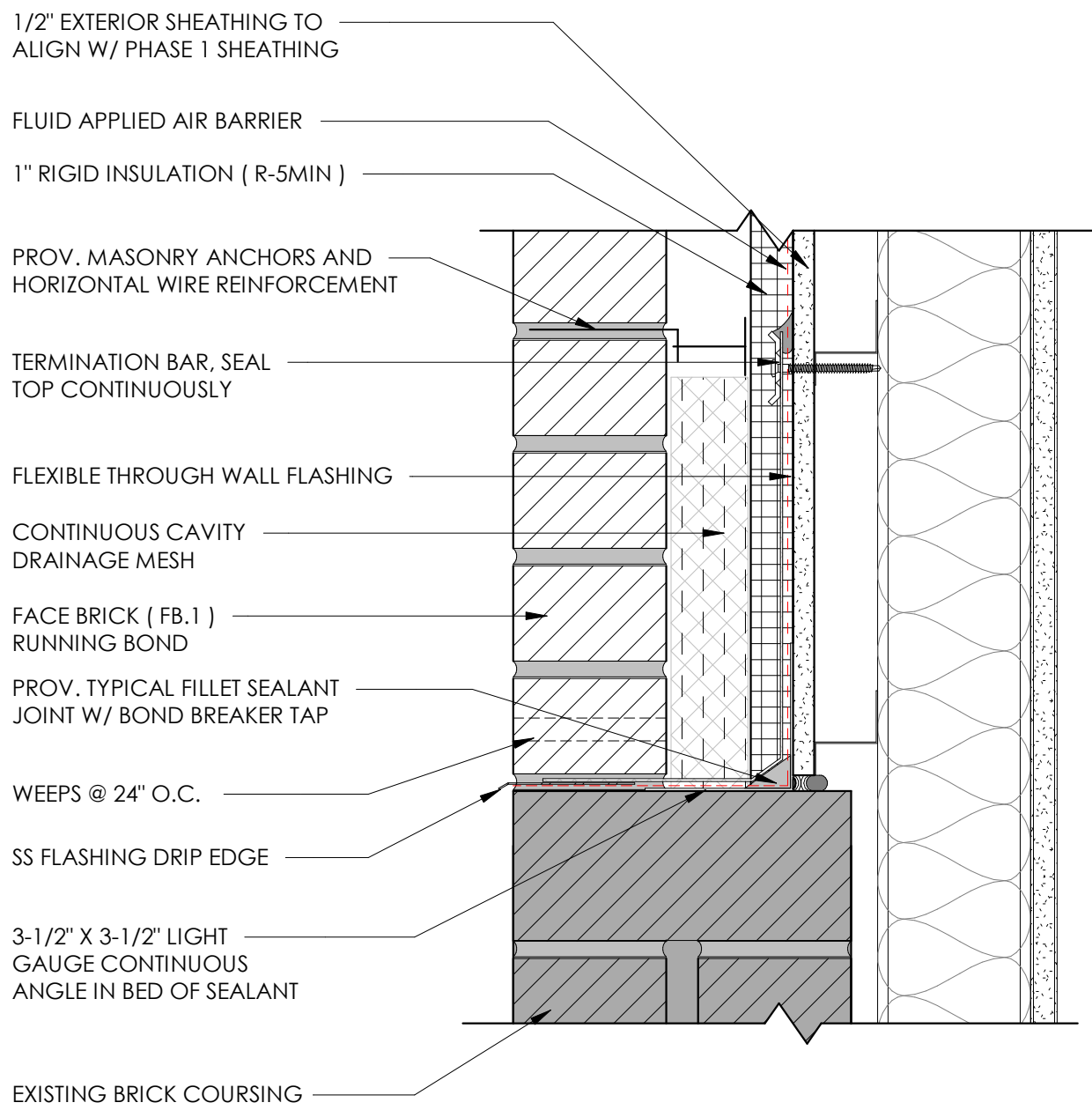
2600 LOCKWOOD ST.,
TAHOCA, TEXAS 79373



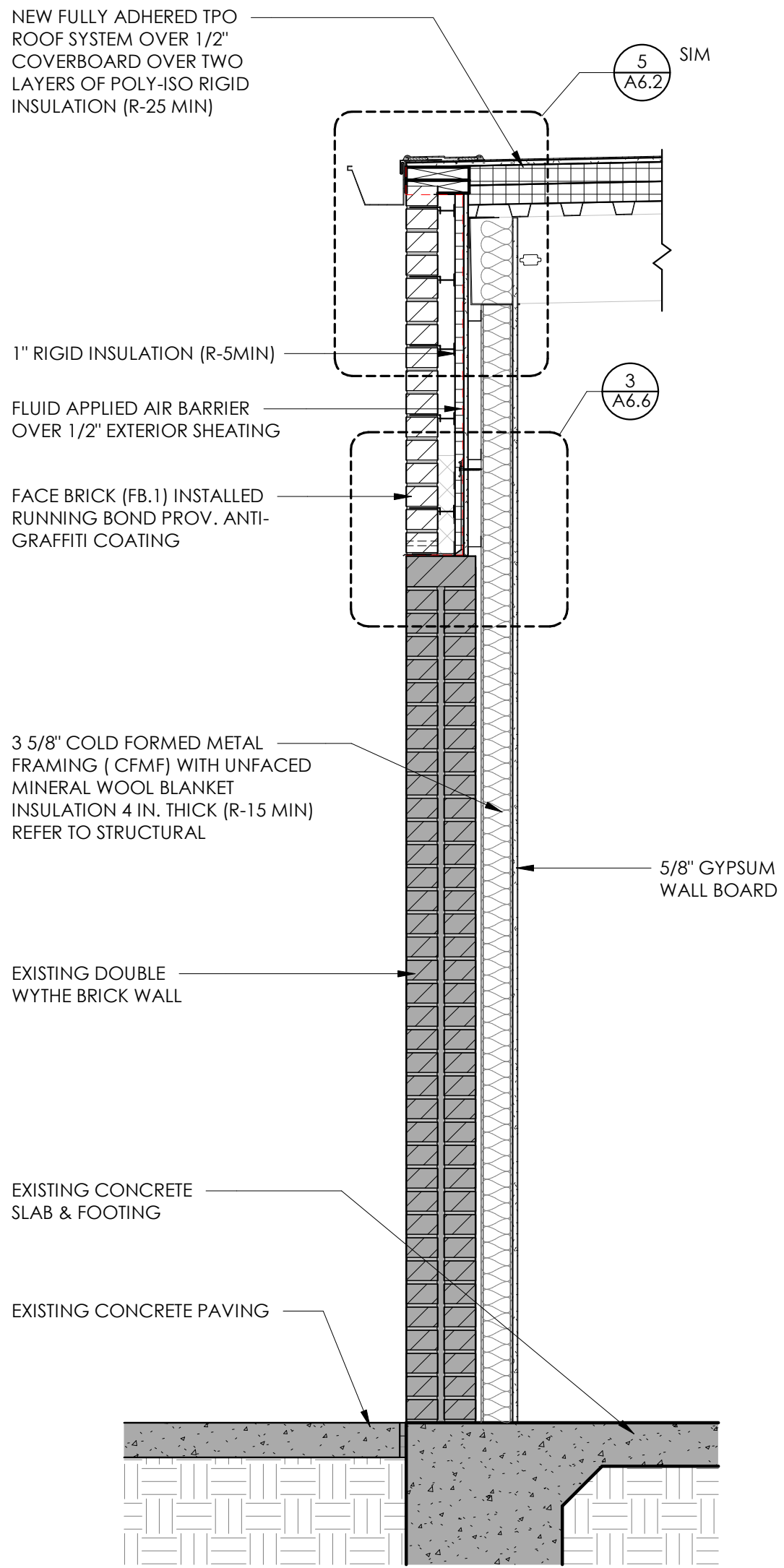
02.26.2025

02.26.2025

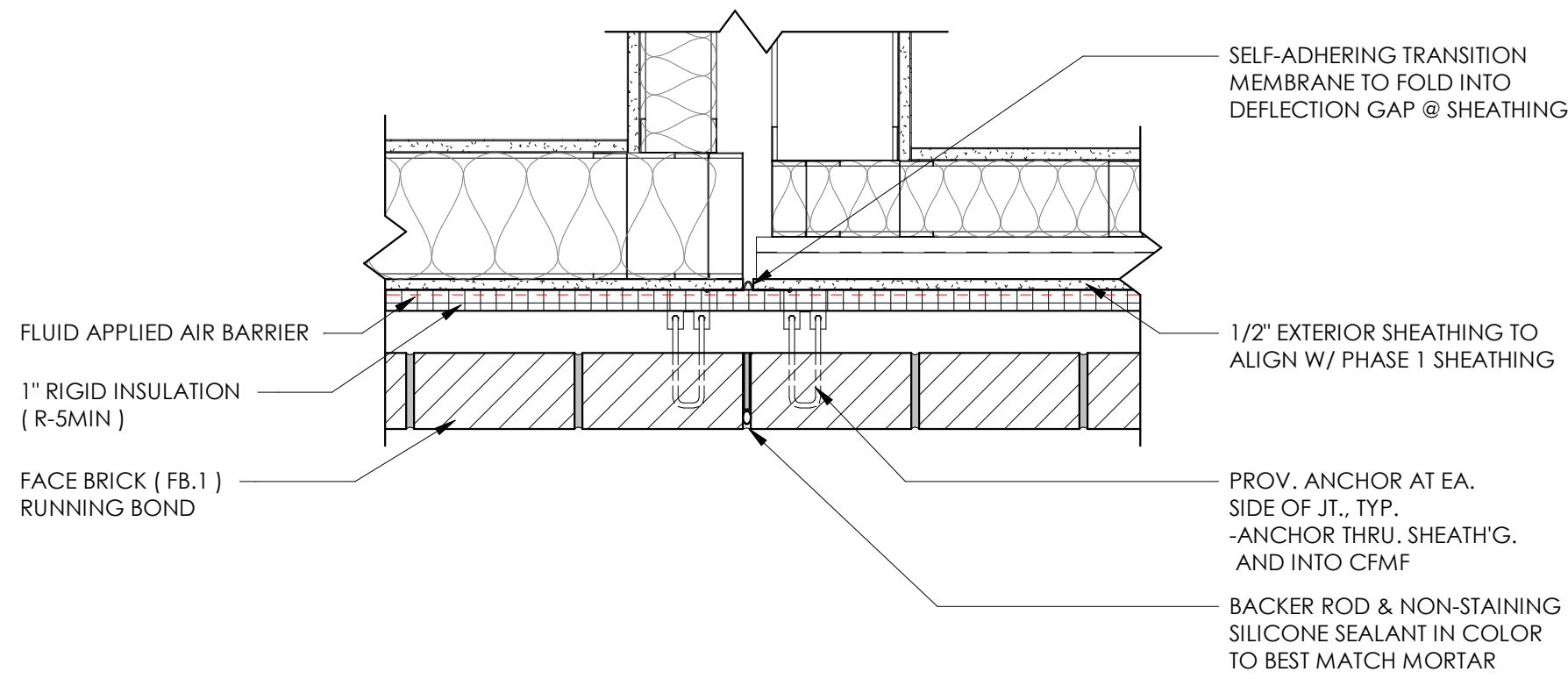
STUDIO
ELES



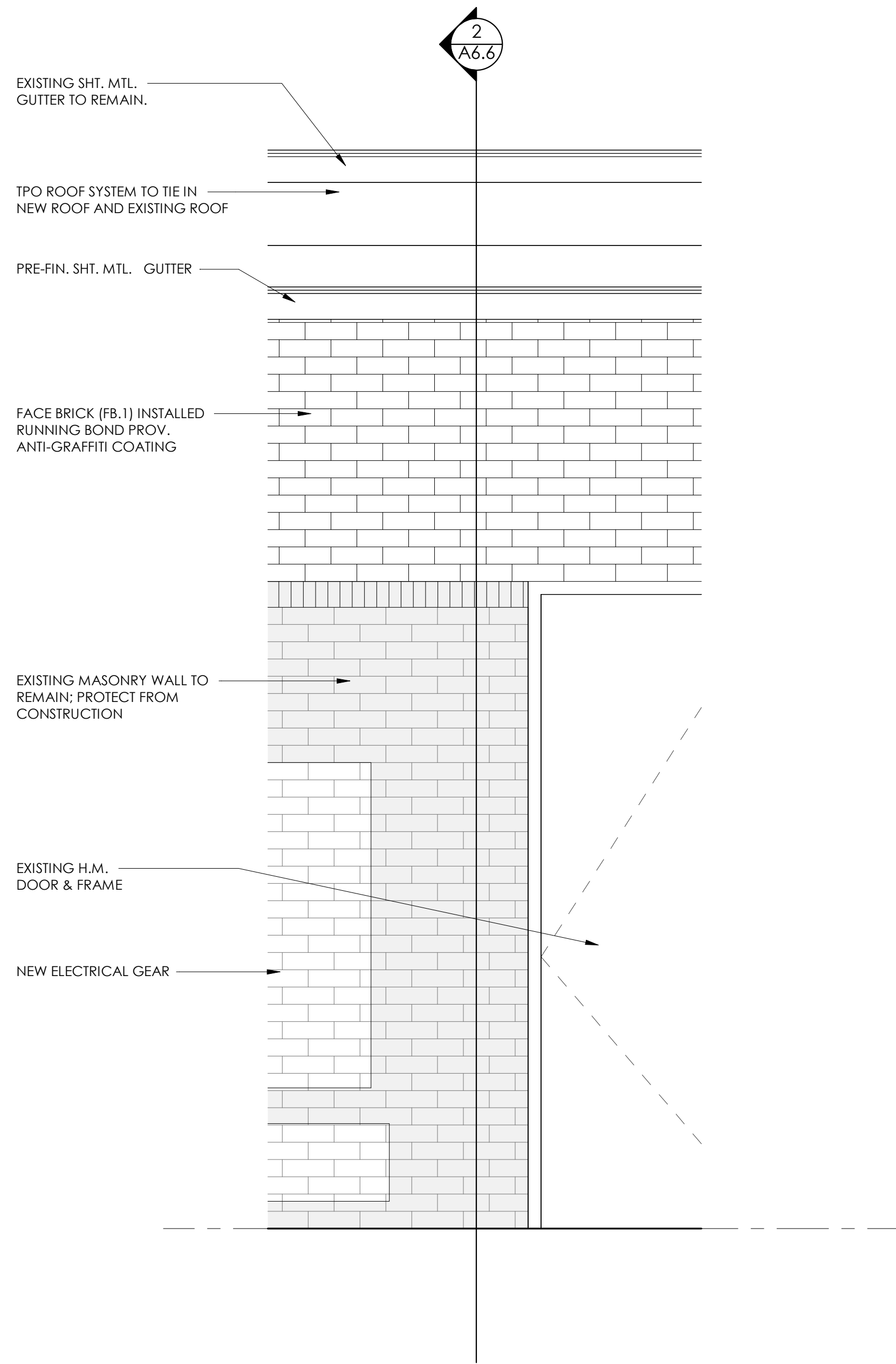
3 ENLARGED DTL @ WALL TRANSITION
SCALE: 3" = 1'-0"



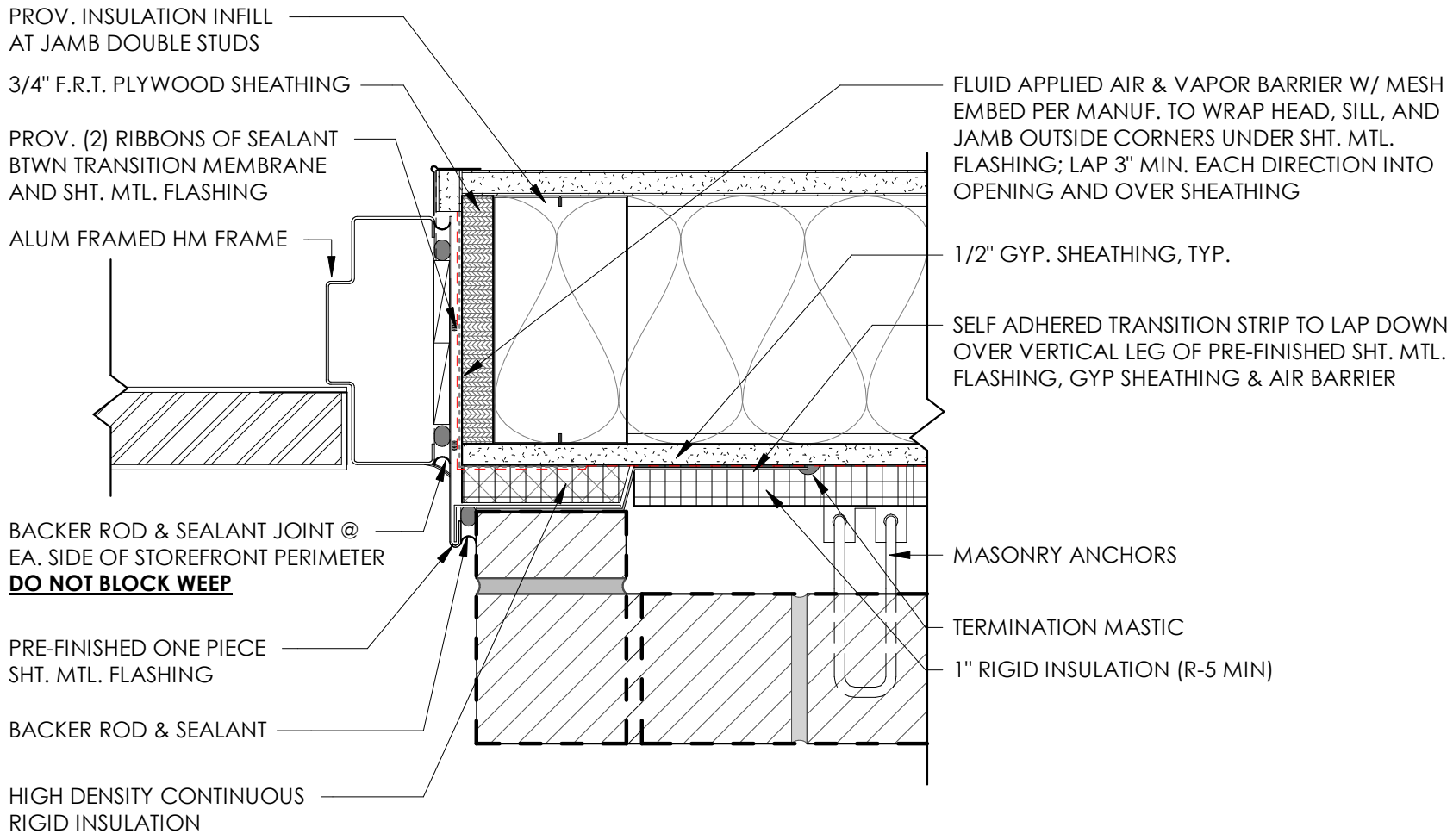
2 WALL SECTION @ PHASE 2
SCALE: 3/4" = 1'-0"



4 PLAN DETAIL @ NEW BRICK PHASE 2
SCALE: 1 1/2" = 1'-0"

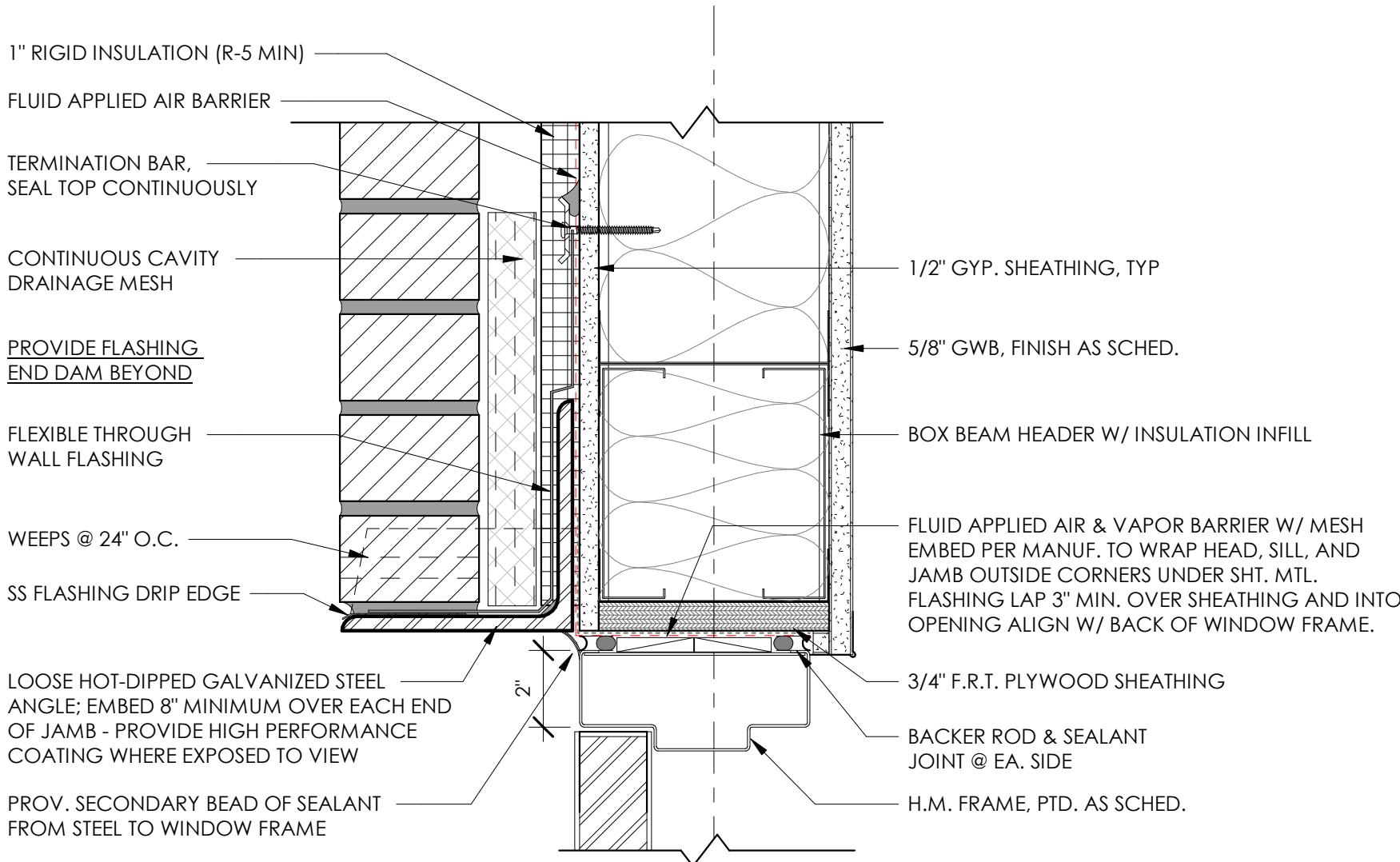


1 ENLARGED ELEVATION @ PHASE 2
SCALE: 3/4" = 1'-0"



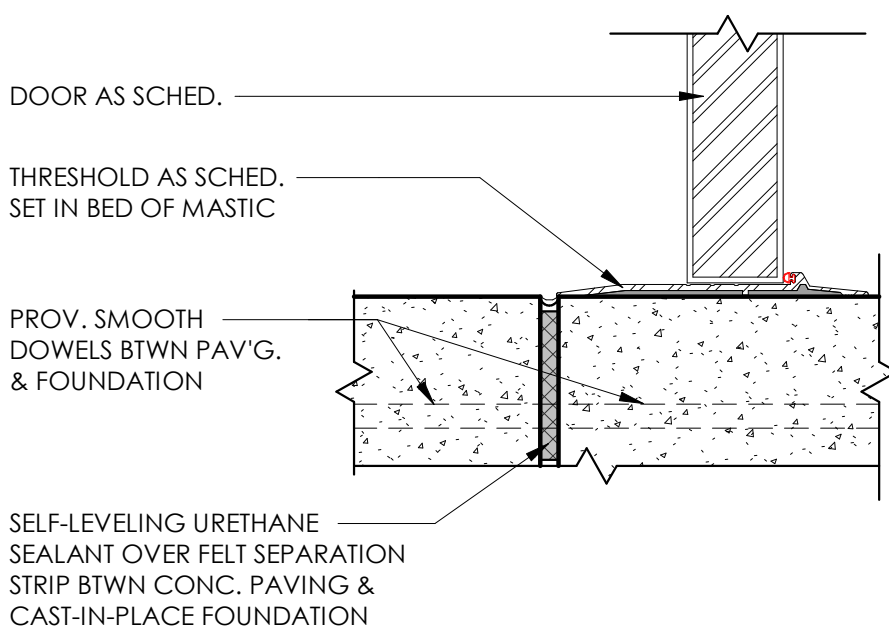
7 DOOR JAMB DETAIL @ BRICK

SCALE: 3" = 1'-0"



6 H.M. HEADER DETAIL @ BRICK

SCALE: 3" = 1'-0"



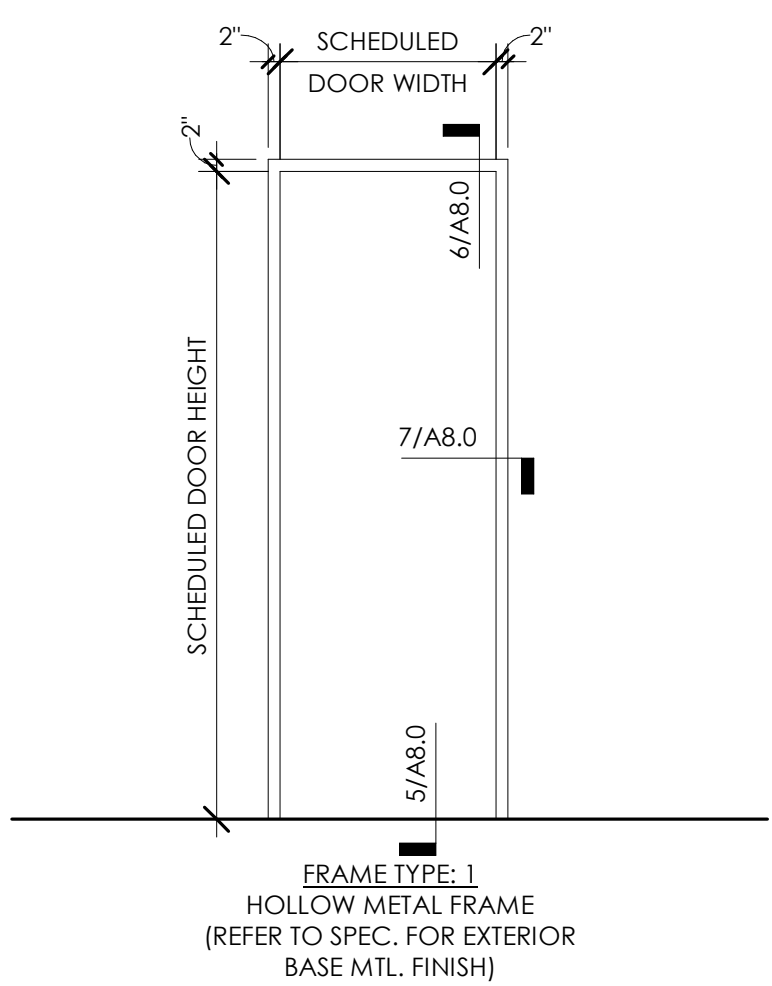
5 DOOR THRESHOLD

SCALE: 3" = 1'-0"

SCHEDULE - DOORS AND FRAMES														
DOOR #	DOOR TYPE	LEAF QTY	DOOR TYPE DIMENSIONS			THICKNESS	DOOR LEAF		FRAME TYPE	FRAME		FIRE RATING	HARDWARE	COMMENTS
			WIDTH	HEIGHT			CONSTRUCTION	FINISH		CONSTRUCTION	FINISH			
101A	F	1	3' - 6"	7' - 10"	0' - 1 3/4"	H.M.	HPC.2	1	H.M.	HPC.2		1.0		
101B	F	1	3' - 0"	7' - 10"	0' - 1 3/4"	H.M.	HPC.2	1	H.M.	HPC.2	N/A	1.0		
102	F	1	3' - 6"	7' - 10"	0' - 1 3/4"	H.M.	HPC.2	1	H.M.	HPC.2		1.0		

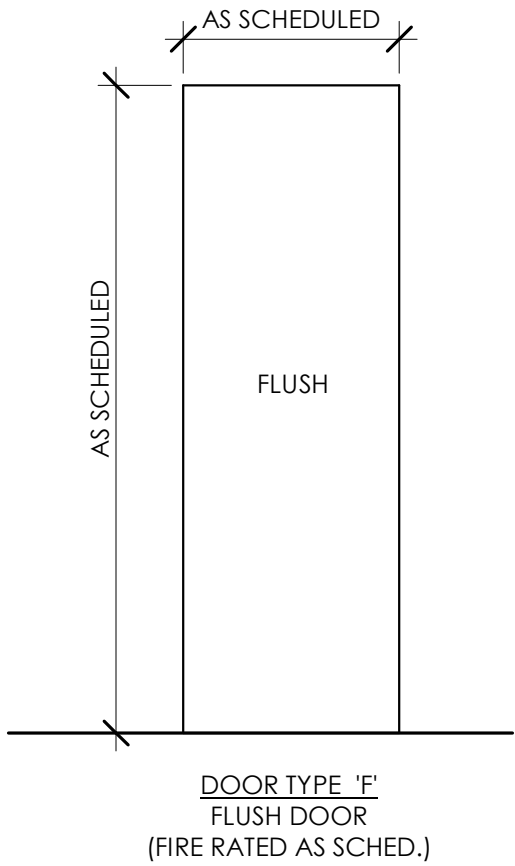
HARDWARE SETS

- HARDWARE SET No. 1.0
- CONTINUOUS HINGE
 - PANIC HARDWARE W/ RIM CYLINDER
 - FSIC CORE (MATCH FACILITY STANDARD)
 - DOOR PULL
 - SURFACE CLOSER (INTERIOR SIDE OF DOOR)
 - KICK PLATE (ON PUSH SIDE OF DOOR)
 - RAIN DRIP
 - SEAL
 - SWEEP
 - THRESHOLD



2 DOOR FRAME TYPE

SCALE: 3/8" = 1'-0"



1 DOOR LEAF ELEVATION TYPE

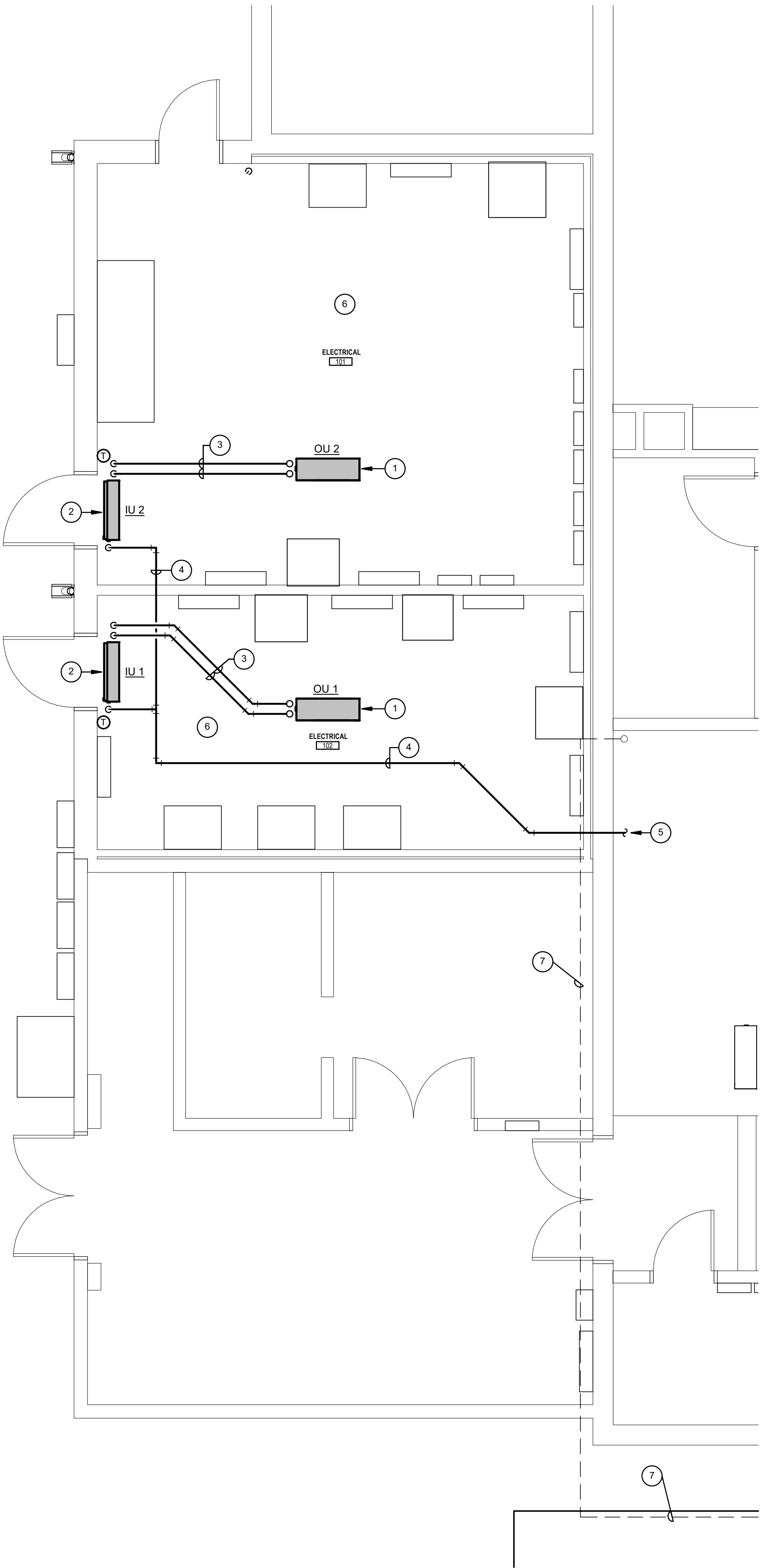
SCALE: 3/8" = 1'-0"

MECHANICAL GENERAL NOTES

- A IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, SUB-CONTRACTORS, MANUFACTURERS AND SUPPLIERS TO ADHERE TO THE REQUIREMENTS OF THE FOLLOWING GENERAL NOTES. IF CONFLICT OCCURS, CONTACT A/E PRIOR TO COMMENCEMENT OF WORK.
- B EVERY EFFORT HAS BEEN MADE TO MAKE THESE DOCUMENTS CONCISE AND COORDINATED, TO DEFINE WORK IN THE MOST LOGICAL PLACE AND TO ELIMINATE REDUNDANCY. THE SCOPE OF WORK IS DEFINED THROUGHOUT THE ENTIRE SET OF DRAWINGS & SPECIFICATIONS AND IS NOT LIMITED TO JUST ONE SERIES OF DRAWINGS OR DIVISION OF SPECIFICATIONS. REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS TO DETERMINE EACH CONTRACTOR'S SCOPE OF WORK. NO ADDITIONAL COST SHALL BE INCURRED BY THE OWNER FOR CONTRACTOR'S FAILURE TO UNDERSTAND THE FULL SCOPE OF WORK. IF CONFLICT OCCURS, CONTACT A/E PRIOR TO COMMENCEMENT OF WORK.
- C PROVIDE ALL MATERIALS, LABOR, AND EQUIPMENT AS REQUIRED TO INSTALL COMPLETE AND OPERABLE SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AS REQUIRED BY ALL APPLICABLE CODES, AND PER MANUFACTURER'S DIRECTIONS.
- D NO CUTTING SHALL BE DONE TO ANY OF THE STRUCTURAL MEMBERS THAT WOULD TEND TO LESSEN THEIR STRENGTH, UNLESS SPECIFIC PERMISSION IS GRANTED BY THE ARCHITECT.
- E ALL PIPING AND DUCTWORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING AND DUCTWORK AROUND OBSTRUCTIONS AND AS REQUIRED FOR SERVICE SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- F COORDINATE CONSTRUCTION OF ALL WORK WITH ARCHITECTURAL, CIVIL, STRUCTURAL, PLUMBING, ELECTRICAL WORK, ETC., SHOWN ON ALL OTHER CONTRACT DOCUMENT DRAWINGS.
- G VERIFY AND COORDINATE ALL FINAL EQUIPMENT SIZES AND CONNECTING SERVICES WITH ACTUAL EQUIPMENT SUBMITTED AND APPROVED & OWNER PROVIDED EQUIPMENT.
- H ALL OPENINGS IN FIRE WALLS FOR DUCTWORK, PIPING, CONDUITS, ETC., SHALL BE FIRE STOPPED WITH A SPECIFIED PRODUCT SIMILAR TO 3M, OR APPROVED EQUAL.
- I UNLESS OTHERWISE SHOWN, LOCATE ALL ROOM THERMOSTATS, SENSORS, AND HUMIDISTATS 4'-0" ABOVE FINISHED FLOOR. LOCATIONS ADJACENT TO DOORS SHALL MAINTAIN A MINIMUM OF 24" FROM FRAME.
- J LOCATE ALL MECHANICAL EQUIPMENT FOR UNOBSTRUCTED ACCESS TO UNIT ACCESS PANELS, CONTROLS, AND VALVING. MAINTAIN THE MINIMUM SERVICE CLEARANCE PER MANUFACTURER.
- K ALL ROOF MOUNTED EQUIPMENT REQUIRING SERVICE SHALL BE MOUNTED A MINIMUM OF 10 FEET FROM ROOF EDGE UNLESS THE PARAPET IS 36" HIGH OR UNLESS NOTED OTHERWISE.
- L COORDINATE WITH ELECTRICAL AS REQUIRED TO MAINTAIN 36" OF CLEAR SERVICE SPACE FOR 120V, 208V, AND 230V DEVICES AND 42" CLEAR SPACE FOR 480V DEVICES. THIS SHALL INCLUDE SWITCH GEAR, DISTRIBUTION PANELS, VFDS, STARTERS, DISCONNECTS, ETC. LOCATION OF THE SERVICE SPACE SHALL BE DETERMINED BY THE SPECIFIC ELECTRICAL DEVICE.
- M COORDINATE WITH ELECTRICAL AS REQUIRED TO ROUTE NO DUCT OR PIPE DIRECTLY OVER DEVICES SUCH AS PANELBOARDS, MOTOR CONTROL CENTERS AND SWITCHBOARDS UNLESS IT IS A MINIMUM OF 6" ABOVE THE TOP OF THE DEVICE, OR PROTECTION FROM DAMAGE FROM THE PIPE OR DUCT IS PROVIDED. THIS SHALL INCLUDE NOT ONLY PROTECTION FROM LEAKS, BUT FROM BREAKAGE.
- N UNLESS OTHERWISE INDICATED, MAINTAIN A MINIMUM OF 6'-8" CLEARANCE TO UNDERSIDE OF PIPE, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.

MINI SPLIT AIR CONDITIONING SYSTEM SCHEDULE

MARK		CFM	COOLING			HEATING		ELECTRICAL DATA			EXAMPLE: TRANE	
INDOOR	OUTDOOR		SENS.	TOTAL	SEER2	TOTAL	HSPF2	POWER	MCA	MOCP	INDOOR	OUTDOOR
IU 1 & IU 2	OU 1 & OU 2	775	21	30	20.0	32	8.8	230 V, 1Ø, 60 HZ	19	26	TPKA0A030	TRUZA030
NOTES:												
1. ALL CAPACITIES EXPRESSED IN MBTUH AT AHRI CONDITIONS.						4. PROVIDE OUTDOOR UNITS WITH LOW AMBIENT BAFFLE.						
2. SIZE REFRIGERANT LINES PER MANUFACTURER'S REQUIREMENTS.						5. PROVIDE OUTDOOR UNITS WITH METAL HAIL GUARDS.						
3. PROVIDE INDOOR UNIT WITH CONDENSATE PUMP.						6. PROVIDE WALL MOUNTED SIMPLE THERMOSTAT.						



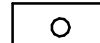
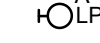
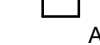
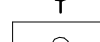
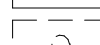
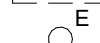
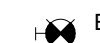
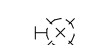
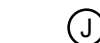
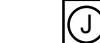
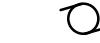
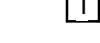
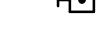
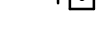
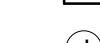
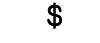
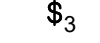
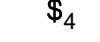
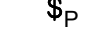
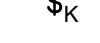
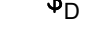
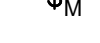
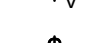
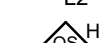
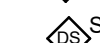
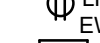
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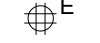
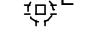
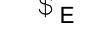
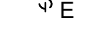
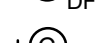
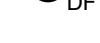
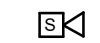
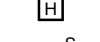
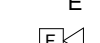
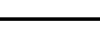
1. OUTDOOR UNIT MOUNTED ON EQUIPMENT RAILS ON ROOF. LOCATE MIN 10 FT FROM ROOF EDGE.
2. INDOOR UNIT MOUNTED JUST ABOVE DOOR.
3. 3/4" PREINSULATED LINE SET. SEAL ROOF PENETRATION WATERTIGHT. DO NOT ROUTE ABOVE ANY ELECTRICAL GEAR.
4. 3/4" PVC PUMPED CONDENSATE DRAIN WITH 1/2" ARMAFLEX INSULATION. DO NOT ROUTE ABOVE ANY ELECTRICAL GEAR. FIRE SEAL WALL PENETRATIONS.
5. DISCHARGE INDIRECTLY TO EXISTING FLOOR DRAIN IN MECH ROOM. FIELD VERIFY LOCATION.
6. EXTEND THE EXISTING AUTOMATIC FIRE SPRINKLER SYSTEM AS REQUIRED TO PROVIDE COVERAGE FOR THE NEW ELECTRICAL ROOM. SYSTEM SHALL COMPLY WITH CURRENT VERSION OF NFPA13.
7. APPROXIMATE LOCATION OF THE EXISTING MAIN WATER LINE TO REMAIN. LOCATE THE EXISTING LINE AND PROTECT DURING CONSTRUCTION.

ELECTRICAL ROOM FLOOR PLAN - HVAC

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

ELECTRICAL LEGEND

LIGHTING	
SYMBOL	DESCRIPTION
	LPA-1 LIGHTING FIXTURE - TYPE & CIRCUIT NOTED
	LPA-1 LIGHTING FIXTURE WITH BATTERY BACK-UP - TYPE & CIRCUIT NOTED
	LIGHTING FIXTURE - TYPE & CIRCUIT NOTED
	LIGHTING FIXTURE WITH BATTERY BACKUP - TYPE & CIRCUIT NOTED
	WALL WASHER - TYPE & CIRCUIT NOTED
	WALL MOUNTED LIGHTING FIXTURE - TYPE & CIRCUIT NOTED
	CEILING MOUNTED EXIT SIGN - TYPE NOTED - DIRECTIONAL ARROWS INDICATED
	WALL MOUNTED EXIT SIGN - TYPE NOTED - DIRECTIONAL ARROWS INDICATED
	EMERGENCY LIGHTING FIXTURE - TYPE & CIRCUIT NOTED
	FLOOD LIGHT - TYPE & CIRCUIT NOTED
	POLE MOUNTED LIGHTING FIXTURE - TYPE & CIRCUIT NOTED
	GROUND MOUNTED BOLLARD LIGHT - TYPE & CIRCUIT NOTED
	EXISTING LIGHT FIXTURE TO REMAIN
	EXISTING LIGHT FIXTURE TO BE REMOVED
	EXISTING LIGHT FIXTURE TO BE REMOVED
	EXISTING EXIT LIGHT FIXTURE TO REMAIN
	EXISTING EXIT LIGHT FIXTURE TO BE REMOVED
POWER	
SYMBOL	DESCRIPTION
	JUNCTION BOX
	FLOOR MOUNTED JUNCTION BOX
	PULLBOX
	MOTOR LOCATION
	LIGHTING CONTACTOR
	DISCONNECT SWITCH - CIRCUIT NOTED
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH - CIRCUIT NOTED
	TIMECLOCK
	THERMOSTAT LOCATION
	PUSHBUTTON
	START/STOP PUSHBUTTON
	SURFACE MOUNTED LIGHTING AND APPLIANCE PANELBOARD
	FLUSH MOUNTED LIGHTING AND APPLIANCE PANELBOARD
	EXISTING JUNCTION BOX TO REMAIN
	EXISTING JUNCTION BOX TO BE REMOVED
WIRING DEVICES	
SYMBOL	DESCRIPTION
	SPST WALL SWITCH
	3-WAY WALL SWITCH
	4-WAY WALL SWITCH
	SPST WALL SWITCH WITH PILOT LIGHT
	KEY OPERATED SPST WALL SWITCH
	WALL MOUNTED DIMMER SWITCH
	WALL MOUNTED OCCUPANCY SENSOR - OPTIONS (M2) TWO POLE
	WALL MOUNTED COMBINATION OCCUPANCY SENSOR/DIMMER
	WALL MOUNTED VOLUME CONTROL SWITCH
	WALL MOUNTED LOW VOLTAGE SWITCH - NO. OF BUTTONS / ZONES NOTED
	CEILING MOUNTED OCCUPANCY SENSOR - OPTIONS (H) HIGH BAY, (S) SYSTEM
	CEILING MOUNTED DAY LIGHTING SENSOR - OPTIONS (S) SYSTEM
	OCCUPANCY SENSOR POWER PACK - OPTIONS (D) DIMMING, (E) UL 924 EMERGENCY
	DUPLEX RECEPTACLE - 20A, 125V, 2P, 3W, GROUNDING - CIRCUIT NOTED
	SIMPLEX RECEPTACLE - 125V, 2P, 3W, GROUNDING - AMP RATING AND CIRCUIT NOTED
	DUPLEX RECEPTACLE ON EMERGENCY POWER
	RECEPTACLE - 125/250V, 3P, 3W - AMP RATING AND CIRCUIT NOTED
	DOUBLE DUPLEX RECEPTACLE - 20A, 125V, 2P, 3W, GROUNDING - CIRCUIT NOTED
	DUPLEX RECEPTACLE WITH TWO USB CHARGING STATIONS - CIRCUIT NOTED
	DUPLEX RECEPTACLE WITH GFI - CIRCUIT NOTED
	DUPLEX RECEPTACLE WITH WEATHER-PROOF COVER - CIRCUIT NOTED
	DUPLEX RECEPTACLE WITH GFI SERVING ELECTRIC WATER COOLER - CIRCUIT NOTED
	FLOOR MOUNTED DUPLEX RECEPTACLE - CIRCUIT NOTED
	FLOOR MOUNTED DOUBLE DUPLEX RECEPTACLE - CIRCUIT NOTED
	CEILING MOUNTED DUPLEX RECEPTACLE - CIRCUIT NOTED

WIRING DEVICES (CONT.)	
SYMBOL	DESCRIPTION
	EXISTING DUPLEX RECEPTACLE TO REMAIN
	EXISTING DUPLEX RECEPTACLE TO BE REMOVED
	EXISTING DOUBLE DUPLEX RECEPTACLE TO REMAIN
	EXISTING DOUBLE DUPLEX RECEPTACLE TO BE REMOVED
	EXISTING SPST WALL SWITCH TO REMAIN
	EXISTING SPST WALL SWITCH TO BE REMOVED
COMMUNICATIONS	
SYMBOL	DESCRIPTION
	WALL MOUNTED COMMUNICATIONS DEVICE - TWO OUTLETS
	FLOOR MOUNTED COMMUNICATIONS DEVICE - TWO OUTLETS
	EXISTING COMMUNICATIONS DEVICE TO REMAIN
	EXISTING COMMUNICATIONS DEVICE TO BE REMOVED
	CEILING MOUNTED SPEAKER
	CEILING MOUNTED COAXIAL SPEAKER
	WALL MOUNTED SPEAKER
	WALL MOUNTED WEATHER PROOF SPEAKER
	WALL MOUNTED VIDEO MONITOR BOX - HEIGHT INDICATED
	CEILING MOUNTED CLOCK
	WALL MOUNTED CLOCK
	CEILING MOUNTED DUAL FACE CLOCK
	WALL MOUNTED DUAL FACE CLOCK
FIRE ALARM	
SYMBOL	DESCRIPTION
	FIRE ALARM PULL STATION
	FIRE ALARM AUDIBLE ALARM/VISUAL STROBE
	CEILING MOUNTED FIRE ALARM AUDIBLE ALARM/VISUAL STROBE
	FIRE ALARM SPEAKER/VISUAL STROBE
	FIRE ALARM VISUAL STROBE
	CEILING MOUNTED FIRE ALARM VISUAL STROBE
	FIRE ALARM SMOKE DETECTOR
	FIRE ALARM HEAT DETECTOR
	FIRE ALARM DUCT MOUNTED SMOKE DETECTOR IN SUPPLY AIR DUCT
	FIRE ALARM DUCT MOUNTED SMOKE DETECTOR IN RETURN AIR DUCT
	FIRE ALARM SMOKE DAMPER LOCATION
	FIRE ALARM DOOR HOLD OPEN DEVICE
	FIRE ALARM SPRINKLER FLOW SWITCH
	FIRE ALARM SPRINKLER TAMPER SWITCH
	EXISTING FIRE ALARM PULL STATION
	EXISTING FIRE ALARM AUDIBLE ALARM/VISUAL STROBE
	EXISTING FIRE ALARM VISUAL STROBE
	EXISTING FIRE ALARM SMOKE DETECTOR
	EXISTING FIRE ALARM PULL STATION TO BE REMOVED
	EXISTING FIRE ALARM AUDIBLE ALARM/VISUAL STROBE TO BE REMOVED
	EXISTING FIRE ALARM VISUAL STROBE TO BE REMOVED
	EXISTING FIRE ALARM SMOKE DETECTOR TO BE REMOVED
SECURITY	
SYMBOL	DESCRIPTION
	CARD READER
	DOOR LOCK
	MOTION DETECTOR
	DOOR/WINDOW ALARM MONITOR
	GLASS BREAK DETECTOR
	SECURITY KEY PAD
	INTERCOM STATION
	SECURITY CAMERA
	EXTERIOR SECURITY CAMERA AND ENCLOSURE
NURSE CALL	
SYMBOL	DESCRIPTION
	NURSE CALL PATIENT STATION
	NURSE CALL EMERGENCY STATION
	NURSE CALL STAFF STATION
	NURSE CALL MASTER CONTROL STATION
	NURSE CALL CODE BLUE STATION
	NURSE CALL DOME LIGHT
	NURSE CALL ZONE DOME LIGHT

ELECTRICAL ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
A	AMPERE(S)	KVAR	KILOVOLT AMPERE REACTIVE
ABV	ABOVE	KW	KILOWATT
AC	ABOVE COUNTER	KWH	KILOWATT HOUR
A/C	AIR CONDITIONING	LB	POUND
AIC	AMPERE INTERRUPTING CAPACITY	LPS	LOW PRESSURE SODIUM
AFF	ABOVE FINISHED FLOOR	M	MANHOLE
AFG	ABOVE FINISHED GRADE	MAX	MAXIMUM
AHU	AIR HANDLING UNIT	MCC	MOTOR CONTROL CENTER
ATS	AUTOMATIC TRANSFER SWITCH	MDP	MAIN DISTRIBUTION PANEL
BFF	BELOW FINISHED FLOOR	MECH	MECHANICAL
BFG	BELOW FINISHED GRADE	MH	MOUNTING HEIGHT
BLDG	BUILDING	MIN	MINIMUM
C	CONDUIT	MLO	MAIN LUGS ONLY
CB	CIRCUIT BREAKER	MTG	MOUNTING
CCTV	CLOSED CIRCUIT TELEVISION	MV	MERCURY VAPOR
CKT	CIRCUIT	NA	NON APPLICABLE
COND	CONDUCTOR	NC	NORMALLY CLOSED
CPU	CENTRAL PROCESSING UNIT	NF	NON FUSED
DCP	DATA COLLECTION PANEL	NO	NORMALLY OPEN
DIA	DIAMETER	NL	NIGHT LIGHT
DIST	DISTRIBUTION	OC	ON CENTER
DN	DOWN	OFCl	
DWGS	DRAWINGS	OH	OVERHEADRNISHED CONTRACTOR INSTALLED
EC	EMPTY CONDUIT	P	POLE
EDF	ELECTRIC DRINKING FOUNTAIN	PA	PUBLIC ADDRESS
EF	EXHAUST FAN	PB	PUSHBUTTON
EQMT	EQUIPMENT	PBX	PRIVATE BUILDING EXCHANGE
EWC	ELECTRIC WATER COOLER	PC	PULL CHAIN
EXH	EXHAUST	P/C	PHOTOCELL
EXP	EXPLOSION PROOF	PDP	POWER DISTRIBUTION PANEL
EXTG	EXISTING	PNL	PANELBOARD
F/A	FIRE ALARM	PSI	POUNDS PER SQUARE INCH
FC	FOOTCANDLES	PWR	POWER
FCU	FAN COIL UNIT	S	SECURITY
FLUOR	FLUORESCENT	SN	SOLID NEUTRAL
FN	FULL NEUTRAL	SQFT	SQUARE FOOT
FT	FEET, FOOT	SW	SWITCH
GALV	GALVANIZED	SWBD	SWITCHBOARD
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TC	TIME CLOCK
GFI	GROUND FAULT INTERRUPTER	TELE	TELEPHONE
GND	GROUND	TP	TAMPER RESISTANT
GRD	GALVANIZED RIGID STEEL	TSTAT	THERMOSTAT
HID	HIGH INTENSITY DISCHARGE	TV	TELEVISION
HP	HORSEPOWER	UH	UNIT HEATER
HOA	HAND OFF AUTOMATIC	UON	UNLESS OTHERWISE NOTED
HPS	HIGH PRESSURE SODIUM	UPE	UNDERGROUND PRIMARY ELECTRIC
HVAC	HEATING/VENTILATING/AIR CONDITIONING	V	VOLT(S)
HZ	HERTZ	VP	VAPOR PROOF
IC	INTERCOM	W	WIRE
ID	INSIDE DIAMETER	WAP	WIRELESS ACCESS POINT
IMC	INTERMEDIATE STEEL CONDUIT	WP	WEATHERPROOF
IN	INCHES	XFMR	TRANSFORMER
INC	INCANDESCENT	XPD	TRANSPONDER
IG	ISOLATED GROUND	Z	IMPEDANCE
JB	JUNCTION BOX	1P	ONE POLE
KV	KILOVOLT	2P	TWO POLE
KVA	KILOVOLT AMPERE	3P	THREE POLE
KVAC	KILOVOLT AMPERE CAPACITIVE	Ø	PHASE

ELECTRICAL GENERAL NOTES

- A IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, SUB-CONTRACTORS, MANUFACTURERS AND SUPPLIERS TO ADHERE TO THE REQUIREMENTS OF THE FOLLOWING GENERAL NOTES. IF CONFLICT OCCURS, CONTACT A/E PRIOR TO COMMENCEMENT OF WORK.
- B EVERY EFFORT HAS BEEN MADE TO MAKE THESE DOCUMENTS CONCISE AND COORDINATED. TO DEFINE WORK IN THE MOST LOGICAL PLACE AND TO ELIMINATE REDUNDANCY. THE SCOPE OF WORK IS DEFINED THROUGHOUT THE ENTIRE SET OF DRAWINGS & SPECIFICATIONS AND IS NOT LIMITED TO JUST ONE SERIES OF DRAWINGS OR DIVISION OF SPECIFICATIONS. REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS TO DETERMINE EACH CONTRACTOR'S SCOPE OF WORK. NO ADDITIONAL COST SHALL BE INCURRED BY THE OWNER FOR CONTRACTOR'S FAILURE TO UNDERSTAND THE FULL SCOPE OF WORK. IF CONFLICT OCCURS, CONTACT A/E PRIOR TO COMMENCEMENT OF WORK.
- C PROVIDE ALL MATERIALS, LABOR, AND EQUIPMENT AS REQUIRED TO INSTALL COMPLETE AND OPERABLE SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AS REQUIRED BY ALL APPLICABLE CODES, AND PER MANUFACTURER'S DIRECTIONS.
- D SIZE AND LOCATION OF EXISTING EQUIPMENT, CONDUIT, WIRING, ETC. SHOWN FOR REFERENCE ONLY. FIELD VERIFY EXACT CONDITIONS PRIOR TO BID.
- E NO CUTTING SHALL BE DONE TO ANY OF THE STRUCTURAL MEMBERS THAT WOULD TEND TO LESSEN THEIR STRENGTH, UNLESS SPECIFIC PERMISSION IS GRANTED BY THE ARCHITECT.
- F REMOVE SLEEVES AND PATCH ALL WALLS, FLOORS, AND CEILINGS TO REMAIN WHERE CONDUIT AND/OR ELECTRICAL EQUIPMENT HAS BEEN REMOVED. PATCHES IN RATED CONSTRUCTION SHALL MATCH EXISTING MATERIAL TO ENSURE RATING INTEGRITY.
- G COORDINATE DEMOLITION WITH GENERAL CONTRACTOR. OWNER SHALL HAVE FIRST RIGHTS TO ALL REMOVED COMPONENTS. THE REMAINING ITEMS SHALL BE COMPLETELY REMOVED BACK TO ACTIVE SERVICE LOCATION. REMOVE ALL ASSOCIATED HANGERS, SUPPORTS, POWER, CONTROLS, ETC.
- H PROVIDE SMOOTH CONCRETE FILL AND PATCH FOR ALL FLOOR MOUNTED OUTLETS BOXES AND FLOOR CHASES NOT BEING REUSED FOR NEW CONSTRUCTION IS COMPLETE.
- I COORDINATE CONSTRUCTION OF ALL WORK WITH ARCHITECTURAL, CIVIL, STRUCTURAL, PLUMBING, ELECTRICAL WORK, ETC., SHOWN ON ALL OTHER CONTRACT DOCUMENT DRAWINGS.
- J ALL OPENINGS IN FIRE WALLS FOR BOXES, CONDUITS, ETC., SHALL BE FIRE STOPPED WITH A SPECIFIED PRODUCT SIMILAR TO 3M, OR APPROVED EQUAL.
- K PROVIDE UPDATED CIRCUIT DIRECTORIES FOR ALL EXISTING PANELBOARDS WHERE NEW CIRCUITS ARE ADDED OR EXISTING CIRCUITS ARE DEMOLISHED.
- L ALL CONDUCTORS SHALL BE INSTALLED IN RIGID OR FLEXIBLE METAL RACEWAY AS DESCRIBED IN THE SPECIFICATIONS. MINIMUM CONDUCTOR SIZE SHALL BE #12 COPPER. THE USE OF METAL CLAD, TYPE MC CABLE IS PROHIBITED EXCEPT FOR LIGHT FIXTURE CONNECTIONS LOCATED ABOVE ACCESSIBLE CEILINGS NOT EXCEEDING 6' IN LENGTH.
- M PROVIDE DEDICATED NEUTRAL CONDUCTORS FOR ALL CIRCUITS REQUIRING A NEUTRAL CONNECTION. SHARING NEUTRAL CONDUCTORS BETWEEN PHASES IS PROHIBITED.
- N ALL OUTLET, DEVICE AND JUNCTION BOXES AND ASSOCIATED CONDUIT INDICATED IN NEW BLOCK WALLS SHALL BE CONCEALED IN THE BLOCK WALL. SURFACE MOUNTED BOXES AND CONDUIT ARE NOT ACCEPTABLE AND WILL BE NOTED FOR CORRECTION ON SITE INSPECTION PUNCH LISTS.
- O FASTEN JUNCTION AND PULL BOXES TO OR SUPPORT FROM BUILDING STRUCTURE. DO NOT SUPPORT BOXES BY CONDUITS.

BRANCH CIRCUIT AND SERVICE CONDUCTOR SIZING SCHEDULE					
BRANCH CIRCUIT/FEEDER IDENTIFICATION	OVERCURRENT DEVICE	PHASE AND NEUTRAL CONDUCTORS (AWG/kcmil)	EQUIPMENT GROUNDING CONDUCTOR(S) (AWG/kcmil)	GROUNDING ELECTRODE CONDUCTOR (AWG/kcmil)	CONDUIT
<F20>	20	12	12	---	1/2"
<F25>	25	10	10	---	1/2"
<F30>	30	10	10	---	1/2"
<F35>	35	8	10	---	1"
<F40>	40	8	10	---	1"
<F45>	45	8	10	---	1"
<F50>	50	8	10	8	1"
<F60>	60	6	10	8	1"
<F70>	70	4	8	8	1-1/4"
<F80>	80	4	8	8	1-1/4"
<F90>	90	2	8	8	1-1/4"
<F100>	100	2	8	8	1-1/4"
<F125>	125	1/0	6	6	2"
<F150>	150	1/0	6	6	2"
<F175>	175	2/0	6	4	2"
<F200>	200	3/0	6	4	2"
<F225>	225	4/0	4	2	2-1/2"
<F250>	250	250 kcmil	4	2	2-1/2"
<F300>	300	350 kcmil	4	2	3"
<F350>	350	500 kcmil	2	1/0	4"
<F400>	400	(2) 3/0	(2) 2	1/0	(2) 2-1/2"
<F450>	450	(2) 4/0	(2) 2	1/0	(2) 2-1/2"
<F500>	500	(2) 250 kcmil	(2) 2	1/0	(2) 2-1/2"
<F600>	600	(2) 350 kcmil	(2) 1/0	2/0	(2) 3"
<F700>	700	(2) 500 kcmil	(2) 1/0	2/0	(2) 4"
<F800>	800	(3) 300 kcmil	(3) 1/0	2/0	(3) 3"
<F1000>	1000	(3) 400 kcmil	(3) 2/0	3/0	(3) 3"
<F1200>	1200	(4) 350 kcmil	(4) 3/0	3/0	(4) 3"
<F1600>	1600	(5) 400 kcmil	(5) 4/0	3/0	(5) 3"
<F2000>	2000	(6) 400 kcmil	(6) 250 kcmil	3/0	(6) 3"
<F2500>	2500	(7) 500 kcmil	(7) 350 kcmil	3/0	(7) 4"
<F3000>	3000	(8) 500 kcmil	(8) 400 kcmil	3/0	(8) 4"
<F4000>	4000	(11) 500 kcmil	(11) 500 kcmil	3/0	(11) 4"</

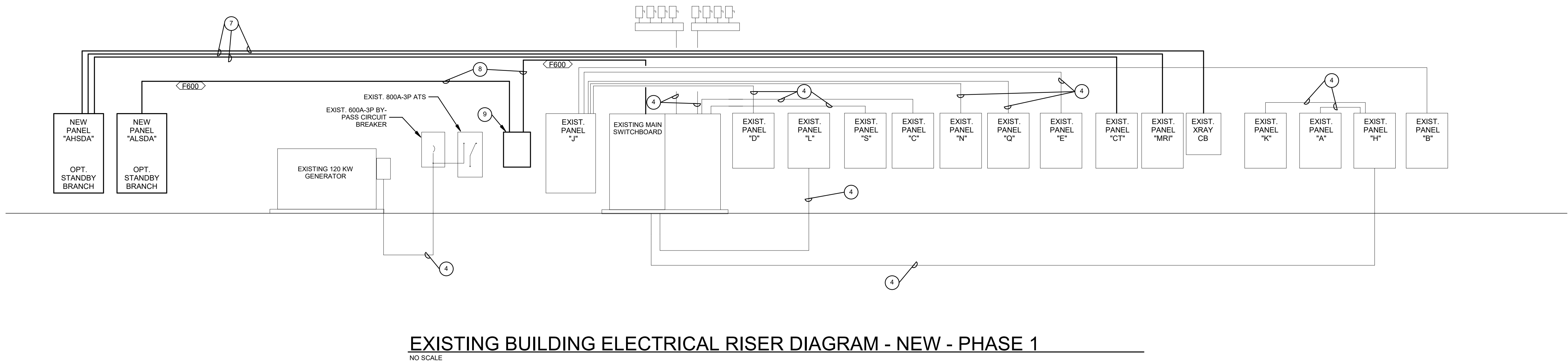
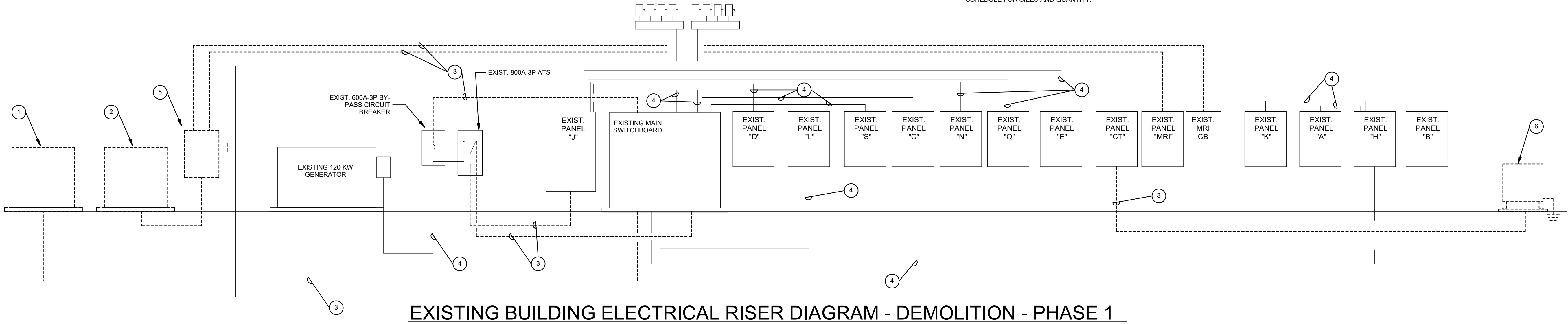
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GENERAL NOTES

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- B VERIFY ALL POWER COMPANY REQUIREMENTS WITH THE POWER COMPANY PRIOR TO BID. INCLUDE ALL POWER COMPANY SERVICES COSTS IN THE ELECTRICAL BID NUMBER.
- C VERIFY ALL ELECTRICAL SERVICE METERING REQUIREMENTS WITH THE POWER COMPANY. PROVIDE ALL LABOR AND MATERIALS NECESSARY TO PROVIDE THE METERING CONNECTIONS REQUIRED BY THE POWER COMPANY.
- D WHERE FEEDER SIZES ARE NOT INDICATED, FEEDER SHALL MATCH THE ASSOCIATED OVERCURRENT PROTECTIVE DEVICE AS INDICATED ON THE BRANCH CIRCUIT AND SERVICE CONDUCTOR SIZING SCHEDULE.
- F PROVIDE 4" CONCRETE HOUSEKEEPING PADS UNDER ALL DRY TYPE TRANSFORMERS. REFER TO THE TRANSFORMER SCHEDULE FOR TRANSFORMER SIZE AND ALL PRIMARY, SECONDARY AND GROUNDING CONDUCTOR SIZES.
- G COORDINATE ALL ELECTRICAL SHUTDOWN EVENTS WITH THE OWNER A MINIMUM OF 72 HOURS IN ADVANCE. ALL REQUIRED ELECTRICAL SHUTDOWN EVENTS SHALL BE DONE IN OFF PEAK HOURS AS DETERMINED BY THE OWNER. ELECTRICAL SHUTDOWN EVENTS SHALL NOT EXCEED 1 HOUR UNLESS SPECIFICALLY APPROVED BY THE OWNER. THE EMERGENCY GENERATOR SERVICE SHALL BE MAINTAINED DURING THE ELECTRICAL SHUTDOWN.
- H PROVIDE A COMPLETE COORDINATION AND ARC FLASH STUDY AS PER THE DIVISION 26 SPECIFICATION REQUIREMENTS.

NOTES INDICATED BY "○ "

- 1 EXISTING 120/208V, 3 PHASE PAD MOUNTED UTILITY TRANSFORMER TO BE REMOVED AFTER COMPLETING THE BACK FEED OF THE EXISTING MAIN SWITCHBOARD. COORDINATE ALL WORK WITH THE OWNER AND THE POWER COMPANY.
- 2 EXISTING 277/480V, 3 PHASE PAD MOUNTED UTILITY TRANSFORMER TO BE REMOVED AFTER COMPLETING THE BACK FEED OF THE EXISTING RADIOLOGY EQUIPMENT. COORDINATE ALL WORK WITH THE OWNER AND THE POWER COMPANY.
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- 4 EXISTING FEEDER TO REMAIN.
- 5 EXISTING EXTERIOR PANEL TO BE REMOVED AFTER BACK FEED OF THE EXISTING RADIOLOGY EQUIPMENT IS COMPLETED.
- 6 EXISTING DRY TYPE, 480V, STEP UP TRANSFORMER TO BE REMOVED AFTER BACK FEED OF THE EXISTING RADIOLOGY EQUIPMENT IS COMPLETED.
- 7 REFER TO SCHEDULE FOR FEEDER SIZE.
- 8 PROVIDE NEW FEEDER FOR TEMPORARY SERVICE TO THE EXISTING MAIN SWITCHBOARD. REFER TO GENERAL NOTE G.
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- 11 EXISTING GENERATOR / ATS TO BE REMOVED AND RETURNED TO THE OWNER. MOVE THE GENSET AND ATS TO LOCATION ON THE SITE AS DESIGNATED BY THE OWNER. COORDINATE ALL WORK A MINIMUM OF 30 DAYS IN ADVANCE.
- 12 EXISTING SWITCHBOARD / PANELBOARD TO BE REMOVED. RE-USE THE EXISTING ENCLOSURE AS A JUNCTION BOX FOR EXTENDING AND RECONNECTING EXISTING FEEDERS AND BRANCH CIRCUITS AS INDICATED ON THE NEW PANEL SCHEDULES. VERIFY THE ACTUAL CONDITIONS AT THE JOBSITE PRIOR TO FINALIZING THE NEW PANELBOARD CIRCUIT BREAKERS.
- 13 NEW BRANCH CIRCUITS TO BACK FEED EXISTING PANEL J AND SWITCHBOARD CIRCUITS. REFER TO THE NEW PANEL SCHEDULE FOR SIZES AND QUANTITY.



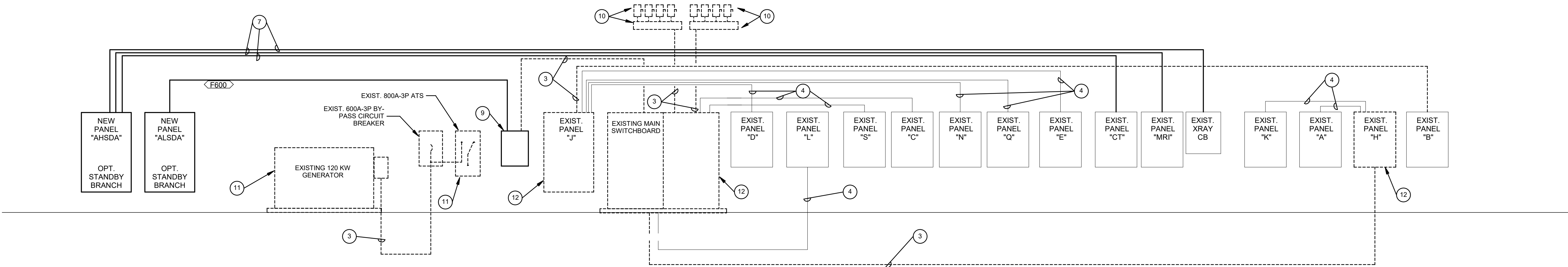
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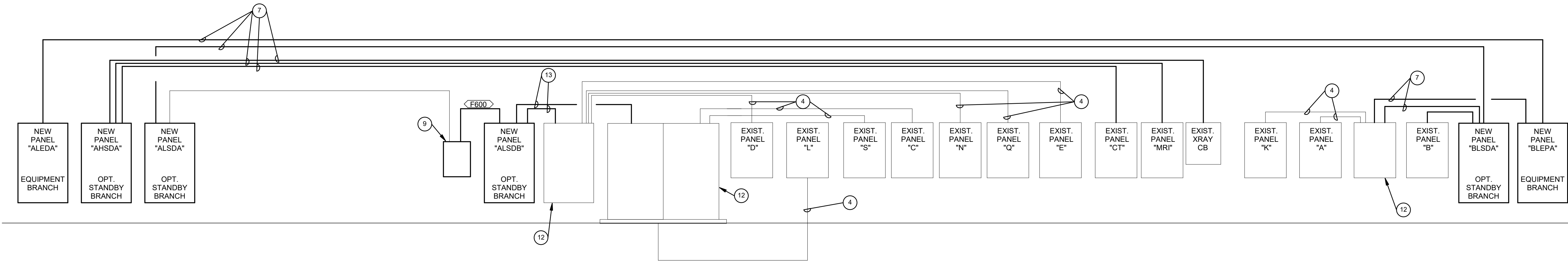
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EXISTING BUILDING ELECTRICAL RISER DIAGRAM - DEMOLITION - PHASE 2

NO SCALE



EXISTING BUILDING ELECTRICAL RISER DIAGRAM - NEW - PHASE 2

NO SCALE



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PANEL: "ALNDA"														NORMAL BRANCH																											
Supply From: TALNDA Mounting: Surface Enclosure: Type 1 Panel Space: 36														Volts: 120/208 Wye Phases: 3 Wires: 4														A.I.C. Rating: 42000 Mains Type: MCB Mains Rating: 400 A MCB Rating: 400 A													
Notes:																																									
CKT	Circuit Description				Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description				CKT																				
1	PANEL ALNPA				150 A	3		12000			12000					3	150 A	PANEL BLNPA				2																			
3									12000			12000											4																		
5										12000			12000											6																	
7									12000			12000											8																		
9	FUTURE PANEL CLNPA				150 A	3				12000					3	150 A	FUTURE PANEL				10																				
11	SPACE ONLY				150 A	3		0			0					3	150 A	SPACE ONLY				14																			
13									0			0			16																										
15										0			0			18																									
17											0			0			20																								
21	SPACE ONLY				100 A	3			0			0			3	100 A	SPACE ONLY				22																				
23	SPACE ONLY				60 A	3		0			0					3	60 A	SPACE ONLY				26																			
25										0			0			28																									
27									0			0			30																										
29										0			0			32																									
33	SPACE ONLY				60 A	3			0			0			3	60 A	SPACE ONLY				34																				
35																						36																			
Total Load:								48000 VA		48000 VA		48000 VA																													
Total Amps:								400 A		400 A		400 A																													
Legend:																																									
Load Classification					Connected Load					Demand Factor					Estimated Demand					Panel Totals																					
FUTURE LOAD					144000 VA					50.00%					72000 VA																										
																				Total Conn. Load: 144000 VA																					
																				Total Est. Demand: 72000 VA																					
																				Total Conn.: 400 A																					
																				Total Est. Demand: 200 A																					
Notes:																																									

PANEL: "ALNPA"														NORMAL BRANCH																											
Supply From: ALNDA Mounting: Surface Enclosure: Type 1 Panel Space: 60														Volts: 120/208 Wye Phases: 3 Wires: 4														A.I.C. Rating: 10000 Mains Type: MLO Mains Rating: 225 A													
Notes:																																									
CKT	Circuit Description				Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description				CKT																				
1	FUTURE LOAD				20 A	1		1200			1200				1	20 A	FUTURE LOAD				2																				
3	FUTURE LOAD				20 A	1			1200			1200			1	20 A	FUTURE LOAD				4																				
5	FUTURE LOAD				20 A	1				1200			1200		1	20 A	FUTURE LOAD				6																				
7	FUTURE LOAD				20 A	1		1200			1200				1	20 A	FUTURE LOAD				8																				
9	FUTURE LOAD				20 A	1			1200			1200			1	20 A	FUTURE LOAD				10																				
11	FUTURE LOAD				20 A	1				1200			1200		1	20 A	FUTURE LOAD				12																				
13	FUTURE LOAD				20 A	1		1200			1200				1	20 A	FUTURE LOAD				14																				
15	FUTURE LOAD				20 A	1			1200			1200			1	20 A	FUTURE LOAD				16																				
17	FUTURE LOAD				20 A	1				1200			1200		1	20 A	FUTURE LOAD				18																				
19	FUTURE LOAD				20 A	1		1200			1200				1	20 A	FUTURE LOAD				20																				
21	FUTURE LOAD				20 A	1			1200			1200			1	20 A	FUTURE LOAD				22																				
23	FUTURE LOAD				20 A	1				1200			1200		1	20 A	FUTURE LOAD				24																				
25	FUTURE LOAD				20 A	1		1200			1200				1	20 A	FUTURE LOAD				26																				
27	FUTURE LOAD				20 A	1			1200			1200			1	20 A	FUTURE LOAD				28																				
29	FUTURE LOAD				20 A	1				1200			1200		1	20 A	FUTURE LOAD				30																				
31	SPACE ONLY				--	1		--			--				1	--	SPACE ONLY				32																				
33	SPACE ONLY				--	1			--			--			1	--	SPACE ONLY				34																				
35	SPACE ONLY				--	1				--			--		1	--	SPACE ONLY				36																				
37	SPACE ONLY				--	1		--			--				1	--	SPACE ONLY				38																				
39	SPACE ONLY				--	1					--				1	--	SPACE ONLY				40																				
41	SPACE ONLY				--	1				--			--		1	--	SPACE ONLY				42																				
43	SPACE ONLY				--	1		--			--				1	--	SPACE ONLY				44																				
45	SPACE ONLY				--	1			--			--			1	--	SPACE ONLY				46																				
47	SPACE ONLY				--	1				--			--		1	--	SPACE ONLY				48																				
49	SPACE ONLY				--	1		--			--				1	--	SPACE ONLY				50																				
51	SPACE ONLY				--	1			--			--			1	--	SPACE ONLY				52																				
53	SPACE ONLY				--	1				--			--		1	--	SPACE ONLY				54																				
55	SPACE ONLY				--	1		--			--				1	--	SPACE ONLY				56																				
57	SPACE ONLY				--	1			--			--			1	--	SPACE ONLY				58																				
59	SPACE ONLY				--	1				--			--		1	--	SPACE ONLY				60																				
Total Load:								12000 VA		12000 VA		12000 VA																													
Total Amps:								100 A		100 A		100 A																													
Legend:																																									
Load Classification					Connected Load					Demand Factor					Estimated Demand					Panel Totals																					
FUTURE LOAD					36000 VA					50.00%					18000 VA																										
																				Total Conn. Load: 36000 VA																					
																				Total Est. Demand: 18000 VA																					
																				Total Conn.: 100 A																					
																				Total Est. Demand: 50 A																					
Notes:																																									

PANEL: "BLNPA"					NORMAL BRANCH										
Supply From: ALNDA Mounting: Surface Enclosure: Type 1 Panel Space: 60					Volts: 120/208 Wye Phases: 3 Wires: 4					A.I.C. Rating: 10000 Mains Type: MLO Mains Rating: 225 A					
Notes:															
CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT
1	FUTURE LOAD	20 A	1		1200			1200				1	20 A	FUTURE LOAD	2
3	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	4
5	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	6
7	FUTURE LOAD	20 A	1		1200			1200				1	20 A	FUTURE LOAD	8
9	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	10
11	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	12
13	FUTURE LOAD	20 A	1		1200			1200				1	20 A	FUTURE LOAD	14
15	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	16
17	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	18
19	FUTURE LOAD	20 A	1		1200			1200				1	20 A	FUTURE LOAD	20
21	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	22
23	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	24
25	FUTURE LOAD	20 A	1		1200			1200				1	20 A	FUTURE LOAD	26
27	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	28
29	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	30
31	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	32
33	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	34
35	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	36
37	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	38
39	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	40
41	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	42
43	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	44
45	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	46
47	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	48
49	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	50
51	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	52
53	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	54
55	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	56
57	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	58
59	SPACE ONLY	--	1			--		--		--		1	--	SPACE ONLY	60
Total Load:					12000 VA		12000 VA		12000 VA						
Total Amps:					100 A		100 A		100 A						
Legend:															
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals							
FUTURE LOAD		36000 VA		50.00%		18000 VA						Total Conn. Load:		36000 VA	
												Total Est. Demand:		18000 VA	
												Total Conn.:		100 A	
												Total Est. Demand:		50 A	
Notes:															

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PANEL: "AHLDA"

Supply From: LIFE SAFETY BRANCH ATS
Mounting: Surface
Enclosure: Type 1
Panel Space: 30

LIFE SAFETY BRANCH

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42000
Mains Type: MLO
Mains Rating: 250 A

Notes:

CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT
1					7632			10000							2
3	PANEL AHLPA	60 A	3			10000			10000			3	60 A	PANEL BHLPA	4
5							10000			10000					6
7					10000			10000							8
9	FUTURE PANEL CHLPA	60 A	3			10000			10000			3	60 A	FUTURE PANEL	10
11							10000			10000					12
13					0			0							14
15	SPACE ONLY	60 A	3			0			0			3	60 A	SPACE ONLY	16
17							0			0					18
19					0			0							20
21	SPACE ONLY	60 A	3			0			0			3	60 A	SPACE ONLY	22
23							0			0					24
25	SPACE ONLY	--	1		--			20000							26
27	SPACE ONLY	--	1			--			19600			3	150 A	XFRM TALLDA / PANEL ALLDA	28
29	SPACE ONLY	--	1				--			19600					30
Total Load:					57632 VA		59600 VA		59600 VA						
Total Amps:					208 A		216 A		216 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
EXTERIOR LIGHTING	132 VA	100.00%	132 VA	
POWER	2800 VA	100.00%	2800 VA	Total Conn. Load: 176832 VA
FUTURE LOAD	173900 VA	50.00%	86950 VA	Total Est. Demand: 89882 VA
				Total Conn.: 208 A
				Total Est. Demand: 108 A

Notes:

PANEL: "BHLPA"

Supply From: AHLDA
Mounting: Surface
Enclosure: Type 1
Panel Space: 30

LIFE SAFETY BRANCH

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 14000
Mains Type: MLO
Mains Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT
1	FUTURE LOAD	20 A	1		2500			2500				1	20 A	FUTURE LOAD	2
3	FUTURE LOAD	20 A	1			2500			2500			1	20 A	FUTURE LOAD	4
5	FUTURE LOAD	20 A	1				2500			2500		1	20 A	FUTURE LOAD	6
7	FUTURE LOAD	20 A	1		2500			2500				1	20 A	FUTURE LOAD	8
9	FUTURE LOAD	20 A	1			2500			2500			1	20 A	FUTURE LOAD	10
11	FUTURE LOAD	20 A	1				2500			2500		1	20 A	FUTURE LOAD	12
13	SPARE	20 A	1		0			0				1	20 A	SPARE	14
15	SPARE	20 A	1			0			0			1	20 A	SPARE	16
17	SPARE	20 A	1				0			0		1	20 A	SPARE	18
19	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	20
21	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	22
23	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	24
25	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	26
27	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	28
29	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	30
Total Load:					10000 VA		10000 VA		10000 VA						
Total Amps:					36 A		36 A		36 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
FUTURE LOAD	30000 VA	50.00%	15000 VA	
				Total Conn. Load: 30000 VA
				Total Est. Demand: 15000 VA
				Total Conn.: 36 A
				Total Est. Demand: 18 A

Notes:

PANEL: "AHLPA"

Supply From: AHLDA
Mounting: Surface
Enclosure: Type 1
Panel Space: 30

LIFE SAFETY BRANCH

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 14000
Mains Type: MLO
Mains Rating: 100 A

.

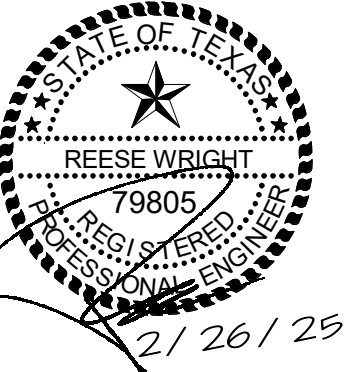
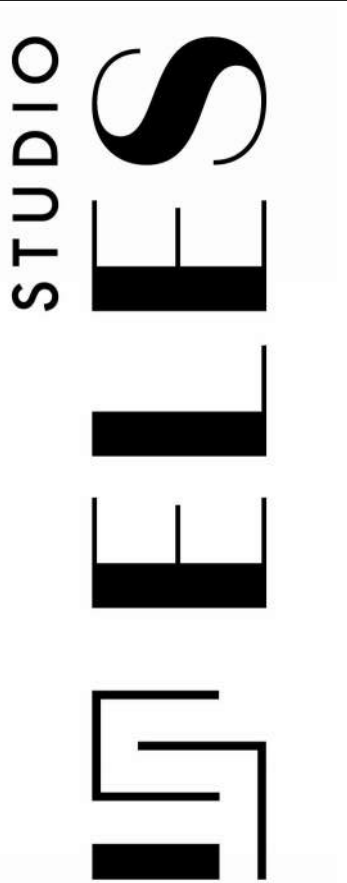
CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT
1	EXTERIOR LIGHTING	20 A	1	1	132			2500				1	20 A	FUTURE LOAD	2
3	FUTURE LOAD	20 A	1			2500			2500			1	20 A	FUTURE LOAD	4
5	FUTURE LOAD	20 A	1				2500			2500		1	20 A	FUTURE LOAD	6
7	FUTURE LOAD	20 A	1		2500			2500				1	20 A	FUTURE LOAD	8
9	FUTURE LOAD	20 A	1			2500			2500			1	20 A	FUTURE LOAD	10
11	FUTURE LOAD	20 A	1				2500			2500		1	20 A	FUTURE LOAD	12
13	SPARE	20 A	1		0			0				1	20 A	SPARE	14
15	SPARE	20 A	1			0			0			1	20 A	SPARE	16
17	SPARE	20 A	1				0			0		1	20 A	SPARE	18
19	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	20
21	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	22
23	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	24
25	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	26
27	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	28
29	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	30
Total Load:					7632 VA		10000 VA		10000 VA						
Total Amps:					28 A		37 A		37 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
EXTERIOR LIGHTING	132 VA	100.00%	132 VA	
FUTURE LOAD	27500 VA	50.00%	13750 VA	Total Conn. Load: 27632 VA
				Total Est. Demand: 13882 VA
				Total Conn.: 28 A
				Total Est. Demand: 17 A

Notes:

1. ROUTE CIRCUIT THROUGH A 20A PHOTOCELL MOUNTED ON THE ROOF.



LYNN COUNTY HEALTHCARE SYSTEM
ELECTRICAL UPGRADE

2600 LOCKWOOD ST.,
TAHOKA, TEXAS 79373

02.24.2025 CONSTRUCTION DOCUMENTS

ELECTRICAL SCHEDULES

E0.62

PANEL: "ALLDA"										LIFE SAFETY BRANCH																			
Supply From: TALLDA Mounting: Surface Enclosure: Type 1 Panel Space: 30										Volts: 120/208 Wye Phases: 3 Wires: 4										A.I.C. Rating: 42000 Mains Type: MCB Mains Rating: 225 A MCB Rating: 225 A									
Notes:																													
CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT														
1					5200			4800							2														
3	PANEL ALLPA	80 A	3			4800			4800				3	80 A	PANEL BLLPA	4													
5							4800			4800					6														
7					5000			5000							8														
9	FUTURE PANEL CLLPA	80 A	3			5000			5000				3	80 A	FUTURE PANEL	10													
11							5000			5000					12														
13					0			0							14														
15	SPACE ONLY	60 A	3			0			0				3	60 A	SPACE ONLY	16													
17							0			0					18														
19					0			0							20														
21	SPACE ONLY	60 A	3			0			0				3	60 A	SPACE ONLY	22													
23							0			0					24														
25					0			0							26														
27	SPACE ONLY	60 A	3			0			0				3	60 A	SPACE ONLY	28													
29							0			0					30														
Total Load:					20000 VA		19600 VA		19600 VA																				
Total Amps:					167 A		163 A		163 A																				
Legend:																													
Load Classification					Connected Load		Demand Factor		Estimated Demand		Panel Totals																		
POWER					2800 VA		100.00%		2800 VA																				
FUTURE LOAD					56400 VA		50.00%		28200 VA																				
											Total Conn. Load: 59200 VA																		
											Total Est. Demand: 31000 VA																		
											Total Conn.: 167 A																		
											Total Est. Demand: 86 A																		
Notes:																													

PANEL: "ALLPA"										LIFE SAFETY BRANCH																			
Supply From: ALLDA Mounting: Surface Enclosure: Type 1 Panel Space: 30										Volts: 120/208 Wye Phases: 3 Wires: 4										A.I.C. Rating: 10000 Mains Type: MLO Mains Rating: 100 A									
Notes:																													
CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT														
1	GENERATOR BATTERY CHARGER	20 A	1	1	1000			1800			1	1	20 A	GENERATOR BLOCK HEAT	2														
3	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	4														
5	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	6														
7	FUTURE LOAD	20 A	1		1200			1200				1	20 A	FUTURE LOAD	8														
9	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	10														
11	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	12														
13	SPARE	20 A	1		0			0				1	20 A	SPARE	14														
15	SPARE	20 A	1			0			0			1	20 A	SPARE	16														
17	SPARE	20 A	1				0			0		1	20 A	SPARE	18														
19	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	20														
21	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	22														
23	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	24														
25	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	26														
27	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	28														
29	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	30														
Total Load:					5200 VA		4800 VA		4800 VA																				
Total Amps:					43 A		40 A		40 A																				
Legend:																													
Load Classification					Connected Load		Demand Factor		Estimated Demand		Panel Totals																		
POWER					2800 VA		100.00%		2800 VA																				
FUTURE LOAD					12000 VA		50.00%		6000 VA																				
											Total Conn. Load: 14800 VA																		
											Total Est. Demand: 8800 VA																		
											Total Conn.: 43 A																		
											Total Est. Demand: 24 A																		
Notes:																													
1. PROVIDE #10 WIRING.																													

PANEL: "BLLPA"										LIFE SAFETY BRANCH									
Supply From: ALLDA Mounting: Surface Enclosure: Type 1 Panel Space: 30										Volts: 120/208 Wye Phases: 3 Wires: 4									
										A.I.C. Rating: 10000 Mains Type: MLO Mains Rating: 100 A									
Notes:																			
CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT				
1	FUTURE LOAD	20 A	1		1200			1200				1	20 A	FUTURE LOAD	2				
3	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	4				
5	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	6				
7	FUTURE LOAD	20 A	1		1200			1200				1	20 A	FUTURE LOAD	8				
9	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	10				
11	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	12				
13	SPARE	20 A	1		0			0				1	20 A	SPARE	14				
15	SPARE	20 A	1			0			0			1	20 A	SPARE	16				
17	SPARE	20 A	1				0			0		1	20 A	SPARE	18				
19	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	20				
21	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	22				
23	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	24				
25	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	26				
27	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	28				
29	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	30				
Total Load:					4800 VA		4800 VA		4800 VA										
Total Amps:					40 A		40 A		40 A										
Legend:																			
Load Classification					Connected Load		Demand Factor		Estimated Demand		Panel Totals								
FUTURE LOAD					14400 VA		50.00%		7200 VA										
											Total Conn. Load: 14400 VA								
											Total Est. Demand: 7200 VA								
											Total Conn.: 40 A								
											Total Est. Demand: 20 A								
Notes:																			

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PANEL: "AHCDA"																Volts: 480/277 Wye				A.I.C. Rating: 42000			
Supply From: CRITICAL BRANCH ATS																Phases: 3				Mains Type: MLO			
Mounting: Surface																Wires: 4				Mains Rating: 400 A			
Enclosure: Type 1																							
Panel Space: 36																							
Notes:																							
CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT								
1					7798			7589							2								
3	PANEL AHCPA	80 A	3			10000			10000			3	80 A	PANEL BHCPA	4								
5							10000			10000					6								
7					10000			10000							8								
9	FUTURE PANEL CHCPA	100 A	3			10000			10000			3	100 A	FUTURE PANEL	10								
11							10000			10000					12								
13					0			0							14								
15	SPARE	100 A	3			0			0			3	100 A	SPARE	16								
17							0			0					18								
19					0			0							20								
21	SPACE ONLY	150 A	3			0			0			3	150 A	SPACE ONLY	22								
23							0			0					24								
25					0			0							26								
27	SPACE ONLY	100 A	3			0			0			3	100 A	SPACE ONLY	28								
29							0			0					30								
31					0			46400							32								
33	SPACE ONLY	100 A	3			0			48000			3	200 A	XFRM TALCDA / PANEL ALCDA	34								
35							0			48000					36								
Total Load:					81787 VA			88000 VA			88000 VA												
Total Amps:					295 A			321 A			321 A												
Legend:																							
Load Classification				Connected Load			Demand Factor			Estimated Demand			Panel Totals										
LIGHTING				387 VA			100.00%			387 VA													
RECEPTACLE				800 VA			100.00%			800 VA			Total Conn. Load: 257787 VA										
FUTURE LOAD				256600 VA			50.00%			128300 VA			Total Est. Demand: 129487 VA										
													Total Conn.: 295 A										
													Total Est. Demand: 156 A										
Notes:																							

PANEL: "AHCPA"										CRITICAL BRANCH									
Supply From: AHCPA					Volts: 480/277 Wye					A.I.C. Rating: 14000									
Mounting: Surface					Phases: 3					Mains Type: MLO									
Enclosure: Type 1					Wires: 4					Mains Rating: 100 A									
Panel Space: 30																			
Notes:																			
CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT				
1	LIGHTING ELECTRICAL ROOMS	20 A	1		298			2500				1	20 A	FUTURE LOAD	2				
3	FUTURE LOAD	20 A	1			2500			2500			1	20 A	FUTURE LOAD	4				
5	FUTURE LOAD	20 A	1				2500			2500		1	20 A	FUTURE LOAD	6				
7	FUTURE LOAD	20 A	1		2500			2500				1	20 A	FUTURE LOAD	8				
9	FUTURE LOAD	20 A	1			2500			2500			1	20 A	FUTURE LOAD	10				
11	FUTURE LOAD	20 A	1				2500			2500		1	20 A	FUTURE LOAD	12				
13	SPARE	20 A	1		0			0				1	20 A	SPARE	14				
15	SPARE	20 A	1			0			0			1	20 A	SPARE	16				
17	SPARE	20 A	1				0			0		1	20 A	SPARE	18				
19	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	20				
21	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	22				
23	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	24				
25	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	26				
27	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	28				
29	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	30				
Total Load:					7798 VA			10000 VA			10000 VA								
Total Amps:					28 A			37 A			37 A								
Legend:																			
Load Classification					Connected Load			Demand Factor			Estimated Demand			Panel Totals					
LIGHTING					298 VA			100.00%			298 VA								
FUTURE LOAD					27500 VA			50.00%			13750 VA			Total Conn. Load: 27798 VA					
														Total Est. Demand: 14048 VA					
														Total Conn.: 28 A					
														Total Est. Demand: 17 A					
Notes:																			

PANEL: "BHCPA"										CRITICAL BRANCH									
Supply From: AHCPA					Volts: 480/277 Wye					A.I.C. Rating: 14000									
Mounting: Surface					Phases: 3					Mains Type: MLO									
Enclosure: Type 1					Wires: 4					Mains Rating: 100 A									
Panel Space: 30																			
Notes:																			
CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT				
1	LIGHTING ELECTRICAL ROOMS	20 A	1		89			2500				1	20 A	FUTURE LOAD	2				
3	FUTURE LOAD	20 A	1			2500			2500			1	20 A	FUTURE LOAD	4				
5	FUTURE LOAD	20 A	1				2500			2500		1	20 A	FUTURE LOAD	6				
7	FUTURE LOAD	20 A	1		2500			2500				1	20 A	FUTURE LOAD	8				
9	FUTURE LOAD	20 A	1			2500			2500			1	20 A	FUTURE LOAD	10				
11	FUTURE LOAD	20 A	1				2500			2500		1	20 A	FUTURE LOAD	12				
13	SPARE	20 A	1		0			0				1	20 A	SPARE	14				
15	SPARE	20 A	1			0			0			1	20 A	SPARE	16				
17	SPARE	20 A	1				0			0		1	20 A	SPARE	18				
19	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	20				
21	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	22				
23	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	24				
25	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	26				
27	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	28				
29	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	30				
Total Load:					7589 VA		10000 VA		10000 VA										
Total Amps:					27 A		37 A		37 A										
Legend:																			
Load Classification					Connected Load		Demand Factor		Estimated Demand		Panel Totals								
LIGHTING					89 VA		100.00%		89 VA										
FUTURE LOAD					27500 VA		50.00%		13750 VA										
											Total Conn. Load: 27589 VA								
											Total Est. Demand: 13839 VA								
											Total Conn.: 27 A								
											Total Est. Demand: 17 A								
Notes:																			

PANEL: "ALCDA"					CRITICAL BRANCH											
Supply From: TALCDA Mounting: Surface Enclosure: Type 1 Panel Space: 36					Volts: 120/208 Wye Phases: 3 Wires: 4					A.I.C. Rating: 42000 Mains Type: MCB Mains Rating: 400 A MCB Rating: 400 A						
Notes:																
CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT	
1	PANEL ALCPA	150 A	3		11200			11200					3	150 A	PANEL BLCPA	2
3						12000			12000						4	
5							12000			12000						6
7	FUTURE PANEL CLCPA	150 A	3		12000			12000					3	150 A	FUTURE PANEL	8
9						12000			12000						10	
11							12000			12000						12
13	SPACE ONLY	150 A	3		0			0					3	150 A	SPARE	14
15						0			0						16	
17							0			0						18
19	SPACE ONLY	100 A	3		0			0					3	100 A	SPARE	20
21						0			0						22	
23							0			0						24
25	SPACE ONLY	60 A	3		0			0					3	60 A	SPARE	26
27						0			0						28	
29							0			0						30
31	SPACE ONLY	60 A	3		0			0					3	60 A	SPARE	32
33						0			0						34	
35							0			0						36
Total Load:					46400 VA		48000 VA		48000 VA							
Total Amps:					387 A		402 A		402 A							
Legend:																
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals								
RECEPTACLE		800 VA		100.00%		800 VA										
FUTURE LOAD		141600 VA		50.00%		70800 VA		Total Conn. Load: 142400 VA								
								Total Est. Demand: 71600 VA								
								Total Conn.: 387 A								
								Total Est. Demand: 199 A								
Notes:																

PANEL: "ALCPA"					CRITICAL BRANCH										
Supply From: ALCDA Mounting: Surface Enclosure: Type 1 Panel Space: 60					Volts: 120/208 Wye Phases: 3 Wires: 4					A.I.C. Rating: 10000 Mains Type: MLO Mains Rating: 225 A					
Notes:															
CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT
1	RECEPTACLE SPACE 213	20 A	1		400			1200				1	20 A	FUTURE LOAD	2
3	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	4
5	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	6
7	FUTURE LOAD	20 A	1		1200			1200				1	20 A	FUTURE LOAD	8
9	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	10
11	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	12
13	FUTURE LOAD	20 A	1		1200			1200				1	20 A	FUTURE LOAD	14
15	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	16
17	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	18
19	FUTURE LOAD	20 A	1		1200			1200				1	20 A	FUTURE LOAD	20
21	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	22
23	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	24
25	FUTURE LOAD	20 A	1		1200			1200				1	20 A	FUTURE LOAD	26
27	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	28
29	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	30
31	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	32
33	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	34
35	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	36
37	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	38
39	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	40
41	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	42
43	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	44
45	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	46
47	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	48
49	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	50
51	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	52
53	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	54
55	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	56
57	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	58
59	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	60
Total Load:					11200 VA		12000 VA		12000 VA						
Total Amps:					93 A		101 A		101 A						
Legend:															
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals							
RECEPTACLE		400 VA		100.00%		400 VA									
FUTURE LOAD		34800 VA		50.00%		17400 VA		Total Conn. Load: 35200 VA							
								Total Est. Demand: 17800 VA							
								Total Conn.: 93 A							
								Total Est. Demand: 49 A							
Notes:															

PANEL: "BLCPA"					CRITICAL BRANCH										
Supply From: ALCDA Mounting: Surface Enclosure: Type 1 Panel Space: 60					Volts: 120/208 Wye Phases: 3 Wires: 4					A.I.C. Rating: 10000 Mains Type: MLO Mains Rating: 225 A					
Notes:															
CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT
1	RECEPTACLE ELECTRICAL ROOMS	20 A	1		400			1200				1	20 A	FUTURE LOAD	2
3	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	4
5	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	6
7	FUTURE LOAD	20 A	1		1200			1200				1	20 A	FUTURE LOAD	8
9	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	10
11	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	12
13	FUTURE LOAD	20 A	1		1200			1200				1	20 A	FUTURE LOAD	14
15	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	16
17	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	18
19	FUTURE LOAD	20 A	1		1200			1200				1	20 A	FUTURE LOAD	20
21	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	22
23	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	24
25	FUTURE LOAD	20 A	1		1200			1200				1	20 A	FUTURE LOAD	26
27	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	28
29	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	30
31	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	32
33	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	34
35	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	36
37	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	38
39	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	40
41	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	42
43	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	44
45	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	46
47	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	48
49	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	50
51	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	52
53	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	54
55	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	56
57	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	58
59	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	60
Total Load:					11200 VA		12000 VA		12000 VA						
Total Amps:					93 A		101 A		101 A						
Legend:															
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals							
RECEPTACLE		400 VA		100.00%		400 VA									
FUTURE LOAD		34800 VA		50.00%		17400 VA									
								Total Conn. Load: 35200 VA							
								Total Est. Demand: 17800 VA							
								Total Conn.: 93 A							
								Total Est. Demand: 49 A							
Notes:															

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PANEL: "AHEDA"					EQUIPMENT BRANCH										
Supply From: EQUIPMENT BRANCH ATS					Volts: 480/277 Wye					A.I.C. Rating: 42000					
Mounting: Surface					Phases: 3					Mains Type: MLO					
Enclosure: Type 1					Wires: 4					Mains Rating: 400 A					
Panel Space: 36															
Notes:															
CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT
1					10000			10000							2
3	FUTURE PANEL AHEPA	100 A	3			10000			10000			3	100 A	FUTURE PANEL CHEPA	4
5							10000			10000					6
7					10000			10000							8
9	FUTURE PANEL	100 A	3			10000			10000			3	100 A	FUTURE PANEL	10
11							10000			10000					12
13					0			0							14
15	SPARE	100 A	3			0			0			3	100 A	SPARE	16
17							0			0					18
19					0			0							20
21	SPACE ONLY	150 A	3			0			0			3	150 A	SPACE ONLY	22
23							0			0					24
25					0			0							26
27	SPACE ONLY	100 A	3			0			0			3	100 A	SPACE ONLY	28
29							0			0					30
31					0			48556							32
33	SPACE ONLY	100 A	3			0			48556			3	200 A	XFRM TALEDA / PANEL ALEDA	34
35							0			44604					36
Total Load:					88556 VA		88556 VA		84604 VA						
Total Amps:					322 A		322 A		305 A						
Legend:															
Load Classification				Connected Load		Demand Factor		Estimated Demand		Panel Totals					
HVAC				7904 VA		75.00%		5928 VA							
MEDICAL EQUIPMENT				6413 VA		50.00%		3206 VA		Total Conn. Load: 261717 VA					
EXIST. PATIENT HEATING				70200 VA		55.00%		38610 VA		Total Est. Demand: 136344 VA					
FUTURE LOAD				177200 VA		50.00%		88600 VA		Total Conn.: 322 A					
										Total Est. Demand: 164 A					
Notes:															

PANEL: "ALEDA"														EQUIPMENT BRANCH																															
Supply From: TALEDA														Volts: 120/208 Wye														A.I.C. Rating: 42000																	
Mounting: Surface														Phases: 3														Mains Type: MCB																	
Enclosure: Type 1														Wires: 4														Mains Rating: 400 A																	
Panel Space: 30																												MCB Rating: 400 A																	
Notes:																																													
CKT	Circuit Description														Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description														CKT				
1	PANEL ALEPA														100 A	3		8490				23400				3	225 A	PANEL BLEPA														2			
3																			8490				23400																				4		
5																					4538																					23400			6
7	FUTURE PANEL CLEPA														100 A	3		8333				8333				3	100 A	FUTURE PANEL														8			
9																					8333																					8333			10
11																						8333																				8333			12
13	SPACE ONLY														150 A	3		0				0				3	150 A	SPACE ONLY														14			
15																					0																					0			16
17																							0																				0		18
19	SPACE ONLY														100 A	3		0				0				3	100 A	SPACE ONLY														20			
21																					0																					0			22
23																						0																				0			24
25	SPACE ONLY														100 A	3		0				0				3	100 A	SPACE ONLY														26			
27																					0																					0			28
29																							0																				0		30
Total Load:									48556 VA		48556 VA		44604 VA																																
Total Amps:									410 A		410 A		372 A																																
Legend:																																													
Load Classification														Connected Load				Demand Factor				Estimated Demand				Panel Totals																			
HVAC														7904 VA				75.00%				5928 VA																							
MEDICAL EQUIPMENT														6413 VA				50.00%				3206 VA				Total Conn. Load: 141717 VA																			
EXIST. PATIENT HEATING														70200 VA				55.00%				38610 VA				Total Est. Demand: 76344 VA																			
FUTURE LOAD														57200 VA				50.00%				28600 VA				Total Conn.: 410 A																			
																										Total Est. Demand: 212 A																			
Notes:																																													

PANEL: "ALEPA"					EQUIPMENT BRANCH										
Supply From: ALEDA					Volts: 120/208 Wye					A.I.C. Rating: 10000					
Mounting: Surface					Phases: 3					Mains Type: MLO					
Enclosure: Type 1					Wires: 4					Mains Rating: 100 A					
Panel Space: 36															
Notes:															
CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT
1					937			1201							2
3	EXISTING MED. AIR COMP.	20 A	3			937			1201			3	20 A	EXISTING VACUUM PUMP	4
5							937			1201					6
7	FUTURE LOAD	20 A	1		1200			1200				1	20 A	FUTURE LOAD	8
9	FUTURE LOAD	20 A	1			1200			1200			1	20 A	FUTURE LOAD	10
11	FUTURE LOAD	20 A	1				1200			1200		1	20 A	FUTURE LOAD	12
13	OU 1	25 A	2		1976			1976				2	25 A	OU 2	14
15						1976			1976						16
17	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	18
19	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	20
21	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	22
23	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	24
25	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	26
27	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	28
29	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	30
31	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	32
33	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	34
35	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	36
Total Load:					8490 VA		8490 VA		4538 VA						
Total Amps:					76 A		76 A		38 A						
Legend:															
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals							
HVAC		7904 VA		75.00%		5928 VA									
MEDICAL EQUIPMENT		6413 VA		50.00%		3206 VA		Total Conn. Load: 21517 VA							
FUTURE LOAD		7200 VA		50.00%		3600 VA		Total Est. Demand: 12734 VA							
								Total Conn.: 76 A							
								Total Est. Demand: 35 A							
Notes:															

PANEL: "AHSDA"										OPT. STANDBY									
Supply From: OPT. STND. BY ATS										Volts: 480/277 Wye									
Mounting: Surface										Phases: 3									
Enclosure: Type 1										Wires: 4									
Panel Space: 30										A.I.C. Rating: 42000									
										Mains Type: MLO									
										Mains Rating: 600 A									
Notes:																			
CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT				
1					46667			27667							2				
3	EXISTING PANEL MRI	225 A	3			46667			27667			3	150 A	EXISTING PANEL CT	4				
5							46667			27667					6				
7					27667			0							8				
9	XRAY MACHINE	150 A	3			27667			0			3	150 A	SPARE	10				
11							27667			0					12				
13					0			0							14				
15	SPACE ONLY	225 A	3			0			0			3	225 A	SPACE ONLY	16				
17							0			0					18				
19					0			0							20				
21	SPACE ONLY	100 A	3				0		0			3	100 A	SPACE ONLY	22				
23							0			0					24				
25					0			141657							26				
27	SPACE ONLY	100 A	3			0			136855			3	300 A	XFRM TALSDA / PANEL ALSDA	28				
29							0			132255					30				
Total Load:					243657 VA		238855 VA		234255 VA										
Total Amps:					882 A		865 A		846 A										
Legend:																			
Load Classification				Connected Load			Demand Factor			Estimated Demand			Panel Totals						
MEDICAL EQUIPMENT				306000 VA			50.00%			153000 VA									
EXIST. HOSPITAL DEMAND				410767 VA			25.00%			102692 VA			Total Conn. Load: 716767 VA						
													Total Est. Demand: 255692 VA						
													Total Conn.: 882 A						
													Total Est. Demand: 308 A						
Notes:																			

PANEL: "ALSDA"										OPT. STANDBY									
Supply From: TALSDA										Volts: 120/208 Wye									
Mounting: Surface										Phases: 3									
Enclosure: Type 1										Wires: 4									
Panel Space: 30										A.I.C. Rating: 42000									
										Mains Type: MCB									
										Mains Rating: 600 A									
										MCB Rating: 600 A									
CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT				
1					35000			70833							2				
3	PANEL BLSDA	300 A	3			35000			65833			3	500 A	TAP BOX / PANEL ALSDB	4				
5							35000			63833					6				
7					35824			0							8				
9	PANEL ALSMA	225 A	3			36022		0				3	225 A	SPARE	10				
11							33422			0					12				
13					0			0							14				
15	SPACE ONLY	225 A	3			0		0		0		3	225 A	SPACE ONLY	16				
17							0			0					18				
19					0			0							20				
21	SPACE ONLY	100 A	3			0		0		0		3	100 A	SPACE ONLY	22				
23							0			0					24				
25					0			0							26				
27	SPACE ONLY	100 A	3			0		0		0		3	100 A	SPACE ONLY	28				
29							0			0					30				
Total Load:					141657 VA		136855 VA		132255 VA										
Total Amps:					1186 A		1146 A		1102 A										
Legend:																			
Load Classification				Connected Load				Demand Factor				Estimated Demand				Panel Totals			
EXIST. HOSPITAL DEMAND				410767 VA				25.00%				102692 VA							
																Total Conn. Load:		410767 VA	
																Total Est. Demand:		102692 VA	
																Total Conn.:		1186 A	
																Total Est. Demand:		285 A	
Notes:																			

PANEL: "ALSDB"

Supply From: ALSDA

Mounting: Surface

Enclosure: Type 1

Panel Space: 72

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating: 42000

Mains Type: MLO

Mains Rating: 600 A

Notes:

CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT	
1					2667			5000							2	
3	EXISTING PANEL L	60 A	3	1		2667			5000			2	2	60 A	EXISTING PANEL N	4
5							2667			5000					6	
7					13333			5000				2	2	60 A	EXISTING PANEL E	8
9	EXISTING PANEL D	150 A	3	2		13333			--			1	--		10	
11							13333			4667					12	
13					13333			4667				2	3	70 A	EXISTING PANEL Q	14
15	EXISTING PANEL C	150 A	3	1		13333			4667						16	
17							13333		--			1	--		18	
19					3333			--				1	--		20	
21	EXISTING PANEL S	100 A	3	2		3333			--			1	--		22	
23							3333		--			1	--		24	
25					833			4800							26	
27	EXISTING FOOD WARMER	30 A	3	1		833			4800			1	3	60 A	EXISTING DEEP FRYER	28
29							833			4800					30	
31					1000			833							32	
33	EXISTING CORRIDOR HEATER	30 A	2	1		1000			833			1	3	20 A	EXISTING KITCHEN EXHAUST	34
35							600			833					36	
37	EXISTING DISPOSAL	20 A	3	1		600			600						38	
39						600				600		1	3	20 A	EXISTING DISPOSAL	40
41							833				600				42	
43	EXISTING DISHWASHER	30 A	3	1		833			833						44	
45						833				833		1	3	30 A	EXISTING COND. FAN EAST	46
47							5000				833				48	
49	EXISTING BREEZWAY HEATER	100 A	3	1		5000			833						50	
51							5000			833		2	3	30 A	EXISTING HOME HEALTH AC	52
53							4667				833				54	
55	EXISTING AHU 1	60 A	3	2,3		4667			833						56	
57						4667				833		2,3	3	30 A	EXISTING HWP 1	58
59							833				833				60	
61	EXISTING WASHER/DRYER	20 A	3	2		833			1000						62	
63							833					2	2	30 A	EXISTING HOSPITAL SIGN	64
65	SPACE ONLY	--	1					--			--		1	--		66
67	SPACE ONLY	--	1		--			--					1	--		68
69	SPACE ONLY	--	1			--			--				1	--		70
71	SPACE ONLY	--	1				--			--			1	--		72
Total Load:					70833 VA		65833 VA		63833 VA							
Total Amps:					593 A		551 A		532 A							

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
EXIST. HOSPITAL DEMAND	200500 VA	25.00%	50125 VA		
				Total Conn. Load:	200500 VA
				Total Est. Demand:	50125 VA
				Total Conn.:	593 A
				Total Est. Demand:	139 A

Notes:

1. EXTEND AND RECONNECT EXISTING FEEDER FROM EXISTING MAIN SWITCHBOARD MSA.

2. EXTEND AND RECONNECT EXISTING FEEDER FROM EXISTING PANEL J.

3. ROUTE THROUGH NEW STARTER.

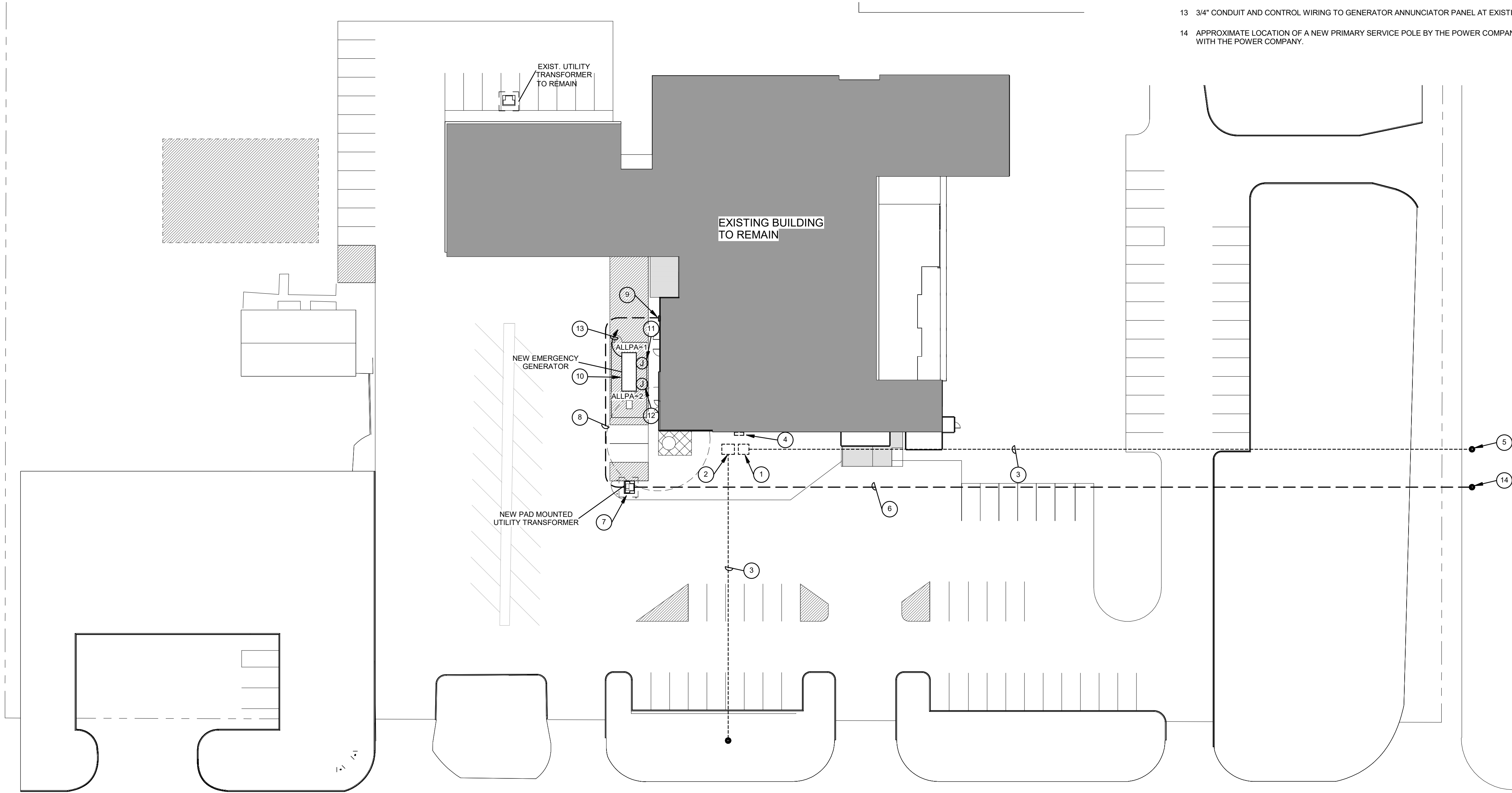
PANEL: "BLSDA"										OPT. STANDBY									
Supply From: ALSDA Mounting: Surface Enclosure: Type 1 Panel Space: 24										Volts: 120/208 Wye Phases: 3 Wires: 4									
										A.I.C. Rating: 42000 Mains Type: MLO Mains Rating: 400 A									
Notes:																			
CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT				
1					13333			8333							2				
3	EXISTING PANEL A	150 A	3			13333			8333			3	100 A	EXISTING PANEL B	4				
5							13333			8333					6				
7					13333			0							8				
9	EXISTING PANEL K	150 A	3			13333			0			3	100 A	SPARE	10				
11							13333			0					12				
13					0			0							14				
15	SPACE ONLY	100 A	3			0			0			3	100 A	SPACE ONLY	16				
17							0			0					18				
19					0			0							20				
21	SPACE ONLY	100 A	3			0			0			3	100 A	SPACE ONLY	22				
23							0			0					24				
Total Load:					35000 VA		35000 VA		35000 VA										
Total Amps:					292 A		292 A		292 A										
Legend:																			
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals											
EXIST. HOSPITAL DEMAND		105000 VA		25.00%		26250 VA													
								Total Conn. Load: 105000 VA											
								Total Est. Demand: 26250 VA											
								Total Conn.: 292 A											
								Total Est. Demand: 73 A											
Notes:																			

PANEL: "ALSMA"										OPT. STANDBY									
Supply From: ALSDA Mounting: Surface Enclosure: Type 1 Panel Space: 60										Volts: 120/208 Wye Phases: 3 Wires: 4									
										A.I.C. Rating: 10000 Mains Type: MLO Mains Rating: 225 A									
Notes:																			
CKT	Circuit Description	Trip	Poles	Notes	A	B	C	A	B	C	Notes	Poles	Trip	Circuit Description	CKT				
1					3362			1456							2				
3	EX. RTU 1	40 A	3			3362			1456			2	30 A	EX. RTU 2	4				
5							3362			2402					6				
7					2282			2402				3	30 A	EX. RTU 3	8				
9	EX. RTU 4	30 A	3			2282			2402						10				
11							2282			2402					12				
13	EX. RTU 6	45 A	2		2912			2402				3	30 A	EX. RTU 5	14				
15						2912			2402						16				
17							4563			2642					18				
19	EX. RTU 7	60 A	3		4563			2642				3	30 A	EX. RTU 8	20				
21						4563			2642						22				
23	EX. RTU 9	30 A	2				1872			5164					24				
25					1872			5164				3	60 A	EX. RTU 14	26				
27						2282			5164						28				
29	EX. RTU 15	25 A	3			2282	2282			1248					30				
31					2282			1248				2	20 A	EX. MS J	32				
33	EX. CU A	30 A	2			1966			1885						34				
35							1966			1885		3	30 A	EX. CU B	36				
37	EX. MS 2	20 A	2		1352			1885							38				
39						1352			1352			2	20 A	EX. MS H	40				
41	SPACE ONLY	--	1			--				1352					42				
43					0			0							44				
45	SPARE	30 A	3			0			0			3	60 A	SPARE	46				
47							0			0					48				
49	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	50				
51	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	52				
53	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	54				
55	SPACE ONLY	--	1		--			--				1	--	SPACE ONLY	56				
57	SPACE ONLY	--	1			--			--			1	--	SPACE ONLY	58				
59	SPACE ONLY	--	1				--			--		1	--	SPACE ONLY	60				
Total Load:					35824 VA		36022 VA		33422 VA										
Total Amps:					302 A		303 A		279 A										
Legend:																			
Load Classification				Connected Load			Demand Factor			Estimated Demand			Panel Totals						
EXIST. HOSPITAL DEMAND				105267 VA			25.00%			26317 VA									
													Total Conn. Load: 105267 VA						
													Total Est. Demand: 26317 VA						
													Total Conn.: 303 A						
													Total Est. Demand: 73 A						
Notes:																			

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MPE SITE PLAN

SCALE: 1" = 30'-0"



GENERAL NOTES

- A IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, SUB-CONTRACTORS, MANUFACTURERS AND SUPPLIERS TO ADHERE TO THE REQUIREMENTS OF THE FOLLOWING GENERAL NOTES. IF CONFLICT OCCURS, CONTACT A/E PRIOR TO COMMENCEMENT OF WORK.
- B EVERY EFFORT HAS BEEN MADE TO MAKE THESE DOCUMENTS CONCISE AND COORDINATED. TO DEFINE WORK IN THE MOST LOGICAL PLACE AND TO ELIMINATE REDUNDANCY. THE SCOPE OF WORK IS DEFINED THROUGHOUT THE ENTIRE SET OF DRAWINGS & SPECIFICATIONS AND IS NOT LIMITED TO JUST ONE SERIES OF DRAWINGS OR DIVISION OF SPECIFICATIONS. REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS TO DETERMINE EACH CONTRACTOR'S SCOPE OF WORK. NO ADDITIONAL COST SHALL BE INCURRED BY THE OWNER FOR CONTRACTOR'S FAILURE TO UNDERSTAND THE FULL SCOPE OF WORK. IF CONFLICT OCCURS, CONTACT A/E PRIOR TO COMMENCEMENT OF WORK.
- C VERIFY THE EXACT LOCATION OF ALL EXISTING AND NEW UTILITIES AT THE SITE WITH THE UTILITY COMPANIES.

NOTES INDICATED BY "○"

- 1 LOCATION OF EXISTING 120/208V UTILITY TRANSFORMER TO BE REMOVED BY THE POWER COMPANY AFTER THE BACK FEED OF THE EXISTING SWITCHBOARD IS COMPLETE.
- 2 LOCATION OF EXISTING 277/480V UTILITY TRANSFORMER TO BE REMOVED BY THE POWER COMPANY AFTER THE BACK FEED OF THE EXISTING RADIOLOGY EQUIPMENT IS COMPLETE.
- 3 EXISTING PRIMARY FEEDER TO BE REMOVED BY THE POWER COMPANY.
- 4 EXISTING ELECTRICAL PANELS SERVING THE EXISTING RADIOLOGY EQUIPMENT TO BE REMOVED AFTER THE BACK FEED OF THE EQUIPMENT IS COMPLETE.
- 5 APPROXIMATE LOCATION OF NEW PRIMARY SERVICE POLE BY POWER COMPANY. VERIFY EXACT LOCATION WITH POWER COMPANY.
- 6 APPROXIMATE LOCATION OF NEW PRIMARY SERVICE BY POWER COMPANY. CONTRACTOR SHALL PROVIDE PRIMARY DITCH AS DIRECTED BY THE POWER COMPANY. PRIMARY RACEWAY AND CABLE TO BE INSTALLED BY THE POWER COMPANY. VERIFY EXACT LOCATION AND ALL INSTALLATION DETAILS WITH THE POWER COMPANY.
- 7 LOCATION OF NEW PAD MOUNTED TRANSFORMER BY POWER COMPANY. VERIFY EXACT LOCATION AND PAD INSTALLATION REQUIREMENTS WITH THE POWER COMPANY.
- 8 APPROXIMATE ROUTE OF NEW CONCRETE ENCASED UNDERGROUND SECONDARY FEEDER. VERIFY EXACT LOCATION AND ROUTE AT THE JOBSITE. REFER TO THE ELECTRICAL ONE-LINE DIAGRAM.
- 9 APPROXIMATE LOCATION OF NEW CT METERING ENCLOSURE. VERIFY EXACT LOCATION AT THE JOBSITE. REFER TO THE ELECTRICAL ONE-LINE DIAGRAM.
- 10 NEW GENERATOR LOCATION. VERIFY EXACT LOCATION ON SITE. PROVIDE A 4" CONCRETE PAD AS DIRECTED BY THE GENERATOR MANUFACTURER.
- 11 J-BOX TO SERVE CONNECTIONS TO GENERATOR BATTERY CHARGER. VERIFY EXACT LOCATION WITH GENERATOR SHOP DRAWINGS.
- 12 J-BOX TO SERVE CONNECTIONS TO GENERATOR BLOCK HEATER. VERIFY EXACT LOCATION WITH GENERATOR SHOP DRAWINGS.
- 13 3/4" CONDUIT AND CONTROL WIRING TO GENERATOR ANNUNCIATOR PANEL AT EXISTING NURSE STATION.
- 14 APPROXIMATE LOCATION OF A NEW PRIMARY SERVICE POLE BY THE POWER COMPANY. VERIFY THE EXACT LOCATION WITH THE POWER COMPANY.

2/26/25

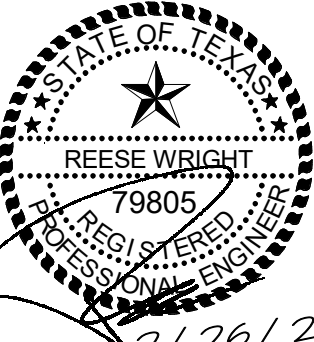
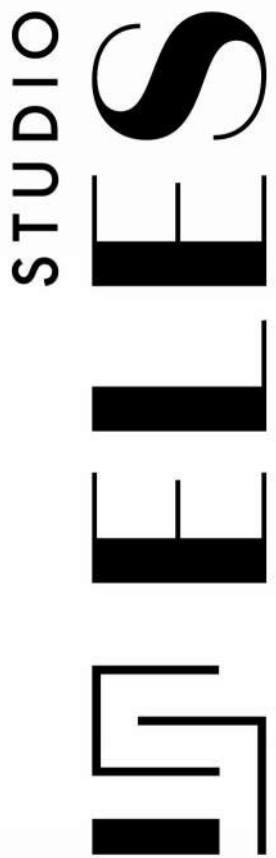
LYNN COUNTY HEALTHCARE SYSTEM
ELECTRICAL UPGRADE

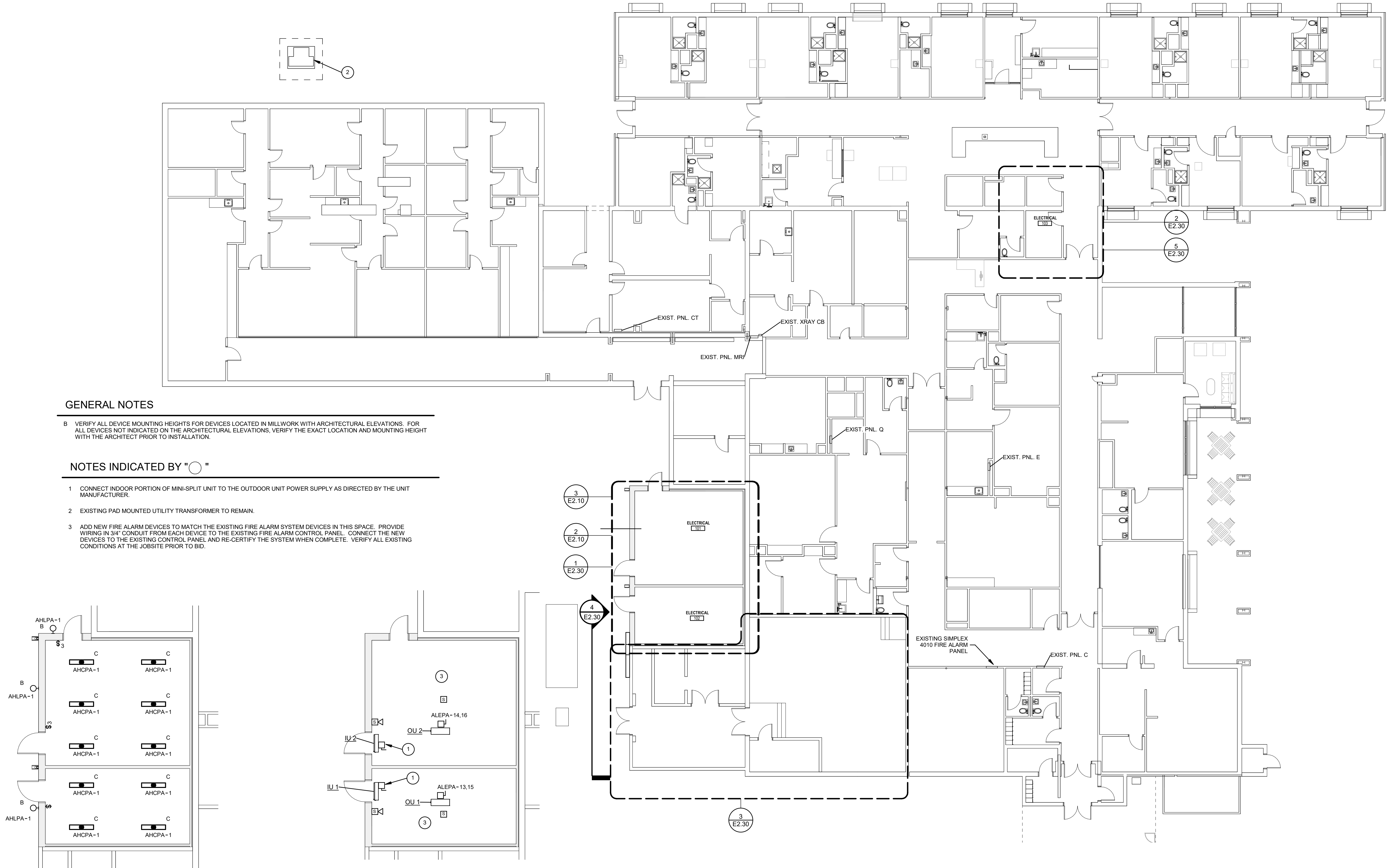
2600 LOCKWOOD ST.,
TAHOCA, TEXAS 79373

02.24.2025 CONSTRUCTION DOCUMENTS

ELECTRICAL SITE PLAN

E1.10





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ROOF PLAN - ELECTRICAL

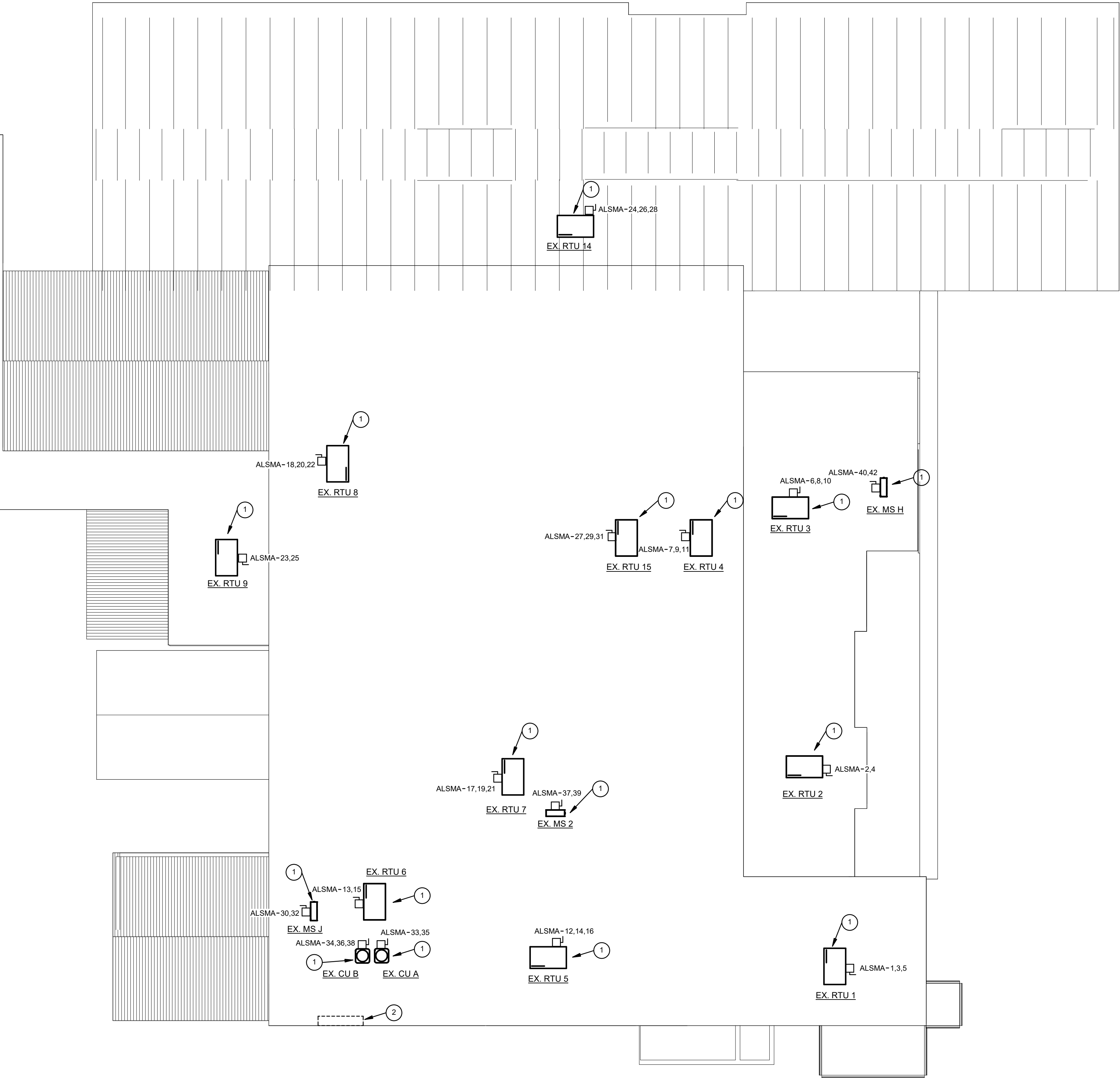
SCALE: 3/32" = 1'-0"

GENERAL NOTES

A VERIFY THE EXACT LOCATION AND EXISTING CONDITION OF EACH ROOF MOUNTED MECHANICAL UNIT. REMOVE THE EXISTING ROOF MOUNTED CIRCUIT SERVING EACH UNIT BACK TO THE EXISTING WIREWAY INDICATED BY NOTE 2. PROVIDE NEW CIRCUITS INDICATED FOR EACH UNIT. INSTALL CONDUIT ON THE ROOF FROM EACH UNIT TO THE NEW PANEL. PROVIDE EMT, CONDUIT WITH OUTDOOR RATED COMPRESSION FITTINGS ON ROOF CONDUIT SUPPORTS. REFER TO THE DETAIL ON SHEET E0.20. PROVIDE A NEW NEMA 3R, ENCLOSED CIRCUIT BREAKER AT EACH UNIT. VERIFY REQUIRED CIRCUIT BREAKER SIZE WITH THE EXISTING UNIT SPECIFICATIONS. AFTER ALL UNITS HAVE BEEN RECONNECTED, REMOVE THE EXISTING WIREWAY (NOTED 2) AND ASSOCIATED FEEDERS.

NOTES INDICATED BY "○"

- EXISTING MECHANICAL UNIT TO REMAIN. REMOVE EXISTING CIRCUIT ON THE ROOF BACK TO SOURCE. PROVIDE A NEW CIRCUIT RAN ON THE ROOF TO THE PANEL INDICATED. REFER TO GENERAL NOTE A.
- WIREWAY AND MECHANICAL UNIT SERVICE DISCONNECT SWITCHES ON THE ROOF TO BE REMOVED AFTER EACH UNIT HAS BEEN RECONNECTED TO THE NEW CIRCUITS INDICATED. VERIFY EXACT LOCATION AND CONDITIONS AT THE JOBSITE. REFER TO GENERAL NOTE A.

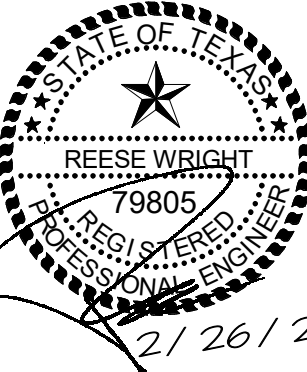


CONSTRUCTION DOCUMENTS
02.24.2025

ROOF PLAN - ELECTRICAL

LYNN COUNTY HEALTHCARE SYSTEM
ELECTRICAL UPGRADE

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ELES

E2.20

