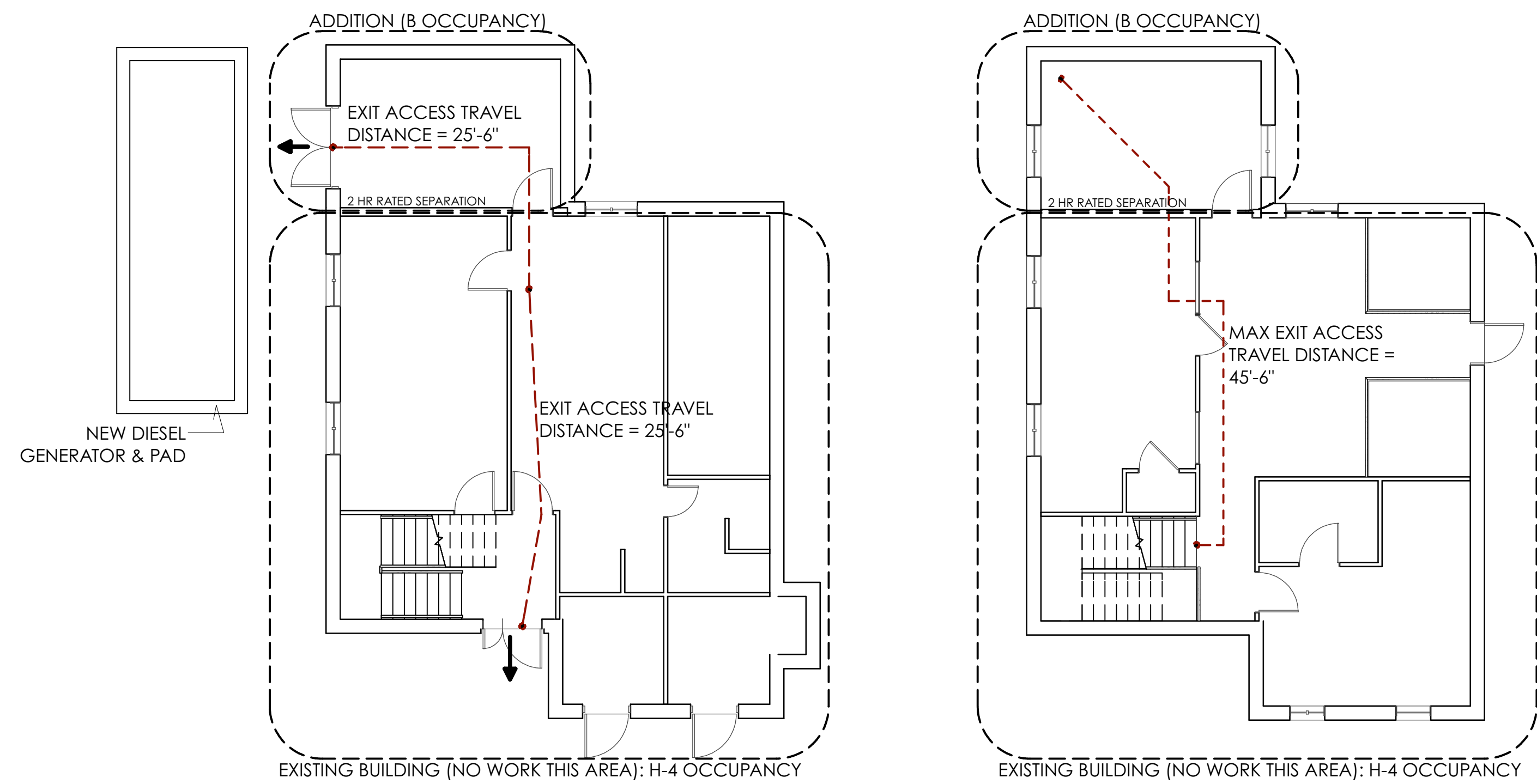


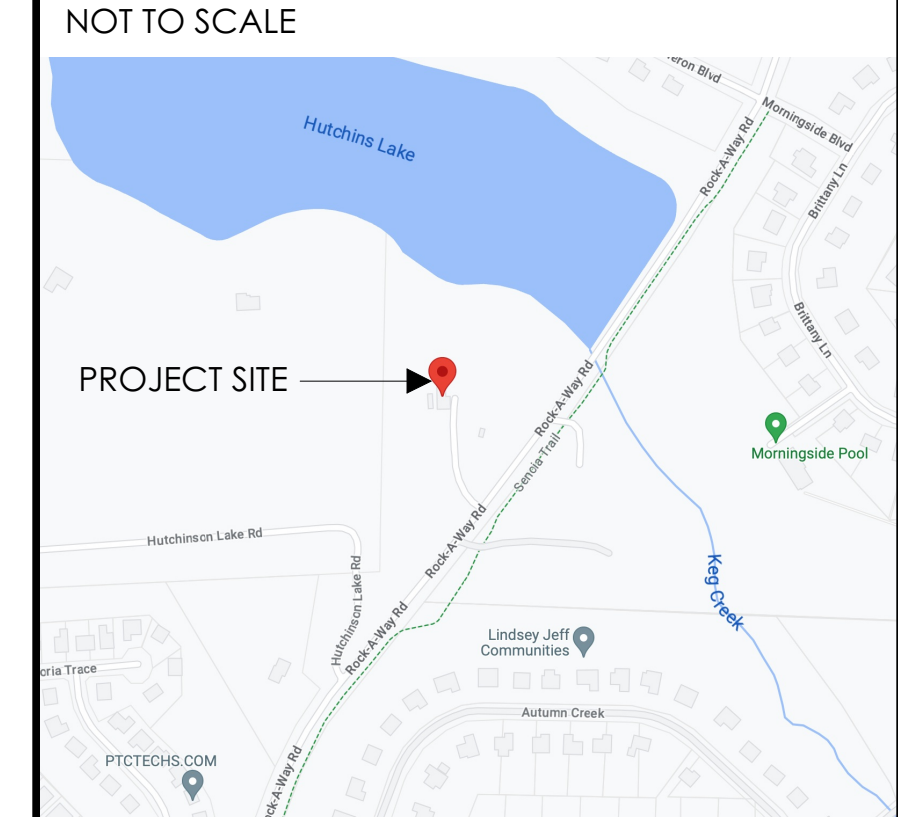
ADDITION TO SENOIA WATER PLANT

740 ROCKAWAY RD
SENOIA, GA 30269

LIFE SAFETY PLANS

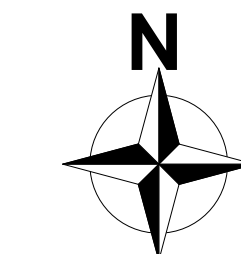


LOCATOR PLAN



DRAWING INDEX

G-1.0	PROJECT DATA
A-1.0	FLOOR PLANS & ELEVATIONS
A-2.0	ROOF PLAN, SCHEDULES, AND DETAILS
A-3.0	INTERIOR ELEVATIONS & DETAILS
S001	GENERAL NOTES
S101	PLANS
S201	TYPICAL DETAILS
S202	SECTIONS



GRAPHICS LEGEND

- DOOR TAG
- WINDOW TAG
- KEY NOTE
- SECTION/ELEVATION TAG
- INTERIOR ELEVATION TAG
- ELEVATION DATUM

GENERAL NOTES

THE GENERAL CONTRACTOR SHALL FULLY COMPLY WITH APPLICABLE BUILDING CODES AND ORDINANCES, AND SHALL ASSUME FULL RESPONSIBILITY FOR ANY WORK KNOWINGLY PERFORMED CONTRARY TO SUCH LAWS, ORDINANCES, OR REGULATIONS.

THE GENERAL CONTRACTOR SHALL COORDINATE WITH ALL UTILITY PROVIDERS AND STATE SERVICE AUTHORITIES.

THE GENERAL CONTRACTOR SHALL VERIFY THAT SITE CONDITIONS ARE CONSISTENT WITH THESE PLANS BEFORE STARTING WORK. WRITTEN DIMENSIONS AND SPECIFIC NOTES SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS AND GENERAL NOTES.

DIMENSIONS ARE TO FACE OF MASONRY UNLESS OTHERWISE NOTED. DO NOT SCALE DRAWINGS.

THE ARCHITECT SHALL BE CONSULTED FOR CLARIFICATION IF SITE CONDITIONS ARE ENCOUNTERED THAT ARE DIFFERENT THAN SHOWN, IF DISCREPANCIES ARE FOUND IN THE PLANS OR NOTES, OR IF A QUESTION ARISES OVER THE INTENT OF THE PLANS OR NOTES. CONTRACTOR SHALL VERIFY AND IS RESPONSIBLE FOR ALL DIMENSIONS (INCLUDING ROUGH OPENINGS).

THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, ACTS OR OMISSIONS OF THE CONTRACTOR OR SUBCONTRACTOR, OR FAILURE OF ANY OF THEM TO CARRY OUT WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. ANY DEFECT DISCOVERED IN THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CORRECTIONS BEFORE PROCEEDING WITH WORK.

INSTALL ALL MATERIALS AND PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTRUCTIONS.

STAGGER ELECTRICAL OUTLETS 12" MINIMUM AT ALL PARTITIONS.

ALL CMU COURSING SHALL BE RUNNING BOND U.N.O.

PROVIDE BACKER ROD & SEALANT AT ALL INTERIOR MASONRY CORNERS.

OFFSET DOOR FRAMES 8" FROM CMU CORNERS U.N.O.

SLOPE ALL CONCRETE SIDEWALKS AWAY FROM BUILDING AT 2% SLOPE MIN.

ALL FINISH COLORS TO BE SELECTED BY OWNER FROM MANUFACTURER'S STANDARD SELECTIONS.

EXPOSED INTERIOR CONCRETE SLABS ARE TO BE FINISHED WITH CLEAR SEALER OR EPOXY COATING (SELECTED BY OWNER).

CODE SUMMARY

- APPLICABLE BUILDING CODES:
- 2018 INTERNATIONAL BUILDING CODE WITH CURRENT GEORGIA AMENDMENTS
 - 2018 INTERNATIONAL PLUMBING CODE WITH CURRENT GEORGIA AMENDMENTS
 - 2018 INTERNATIONAL MECHANICAL CODE WITH CURRENT GEORGIA AMENDMENTS
 - 2020 NATIONAL ELECTRICAL CODE WITH GEORGIA AMENDMENTS
 - 2015 INTERNATIONAL ENERGY CONSERVATION CODE WITH GEORGIA AMENDMENTS
 - 2018 INTERNATIONAL FUEL GAS CODE WITH GEORGIA AMENDMENTS
 - 2018 INTERNATIONAL FIRE CODE
 - 2018 LIFE SAFETY CODE NFPA 101 WITH GEORGIA AMENDMENTS
 - GEORGIA ACCESSIBILITY CODE 120-3-20 / 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
- CONSTRUCTION CLASSIFICATION: SEPARATED MIXED USE (2 HR SEPARATION REQUIRED)
- EXISTING BUILDING: HIGH HAZARD (H-4)
 - ADDITION: BUSINESS (B)
 - IBC RISK CATEGORY IV
 - CONSTRUCTION TYPE II-B, NO SPRINKLER SYSTEM
- HEIGHT/AREA SUMMARY:
- ALLOWABLE HEIGHT= 3 STORY, 55 FT
 - ALLOWABLE AREA=17,500 SF
 - ACTUAL HEIGHT= 2 STORY, 22 FT
 - ACTUAL AREA=2145 SF TOTAL
- DESIGN OCCUPANT LOAD: 9 OCCUPANTS TOTAL
- BUSINESS: 445 SF / 150 = 3 OCCUPANTS
 - INDUSTRIAL: 1,700 SF / 300 = 6 OCCUPANTS
- PLUMBING FIXTURE CALCULATIONS:
- WATER CLOSETS REQUIRED: 1 TOTAL
 - BUSINESS: 1 PER 25 M = 0.06 WC, 1 PER 25 F = 0.06 WC
 - INDUSTRIAL: 1 PER 100 M = 0.03 WC, 1 PER 100 F = 0.03 WC
 - LAVATORIES REQUIRED: 1 TOTAL
 - BUSINESS: 1 PER 40 M = 0.04 LAVS, 1 PER 40 F = 0.04 LAVS
 - INDUSTRIAL: 1 PER 100 M=0.03 LAV, 1 PER 100 F=0.03 LAV
 - PROVIDED: 1 WC + 1 LAV

PROJECT CONTACTS

CLIENT:
CITY OF SENOIA
80 MAIN ST
SENOIA, GA 30276
PHONE: 678.340.6194
EMAIL: JCOX@SENOIA.COM
CONTACT: JESSIE COX, WATER SYSTEM SUPERVISOR

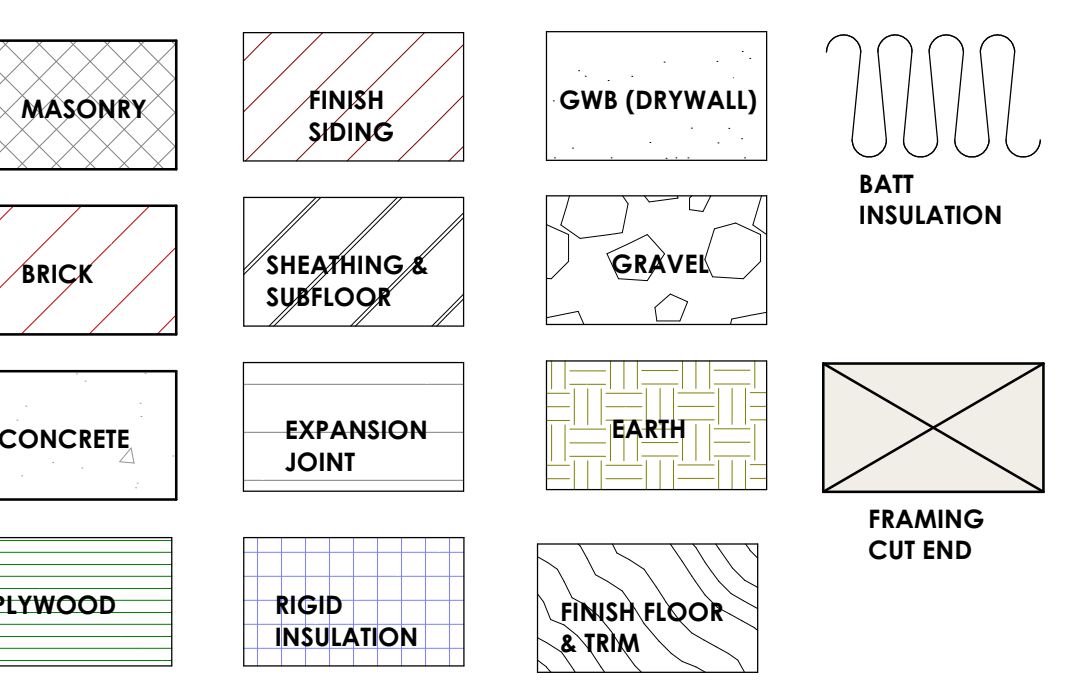
GENERAL CONTRACTOR:
HEADLEY CONSTRUCTION
44 E. WASHINGTON ST.
NEWNAN, GA 30263
PHONE: 770.253.8027
EMAIL: MITCHHEADLEY@HEADLEYCONSTRUCTION.COM
CONTACT: MITCH HEADLEY, PE

ARCHITECT:
LOCUS DESIGN + CONSULTING, INC.
17 KNIGHT DRIVE
NEWNAN, GA 30263
PHONE: 404.680.4083
EMAIL: LCUNANAN@LOCUSDC.COM
CONTACT: LORRAINE CUNANAN, AIA

STRUCTURAL ENGINEER:
HARRELL KANE STRUCTURAL ENGINEERS
760 OLD ROSWELL RD SUITE 332
ROSWELL, GA 30076
PHONE: 404.920.4780 X200
EMAIL: DHARRELL@HK-SE.COM
CONTACT: DAVID HARRELL, PE

*NOTE: M/E/P DESIGN PROVIDED BY OTHERS

MATERIALS LEGEND



SENOIA WATER PLANT
740 ROCKAWAY RD
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REVISIONS		
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11/14/23

PROJECT NO:

SHEET TITLE:
PROJECT DATA

SHEET NO:
G-1.0

ISSUED FOR CONSTRUCTION

PROJECT SCOPE

PROJECT SCOPE: CONSTRUCTION OF NEW 2-STORY, 400 SF ADDITION TO EXISTING WATER TREATMENT PLANT BUILDING, TO ACCOMMODATE OFFICE SPACE AND ELECTRICAL ROOM.

CONCRETE SLAB ON GRADE, CMU EXTERIOR WALLS WITH BRICK VENEER, MIN R-17.6 CONTINUOUS INSULATION, COMPOSITE DECK W/ BAR JOISTS, 2X WD RAFTERS W/ MIN R-38 CLOSED CELL SPRAY FOAM INSULATION AND STANDING SEAM METAL ROOFING.

REPLACEMENT OF EXISTING EXTERIOR DOORS/ WINDOWS.

NO.	DATE	NOTE
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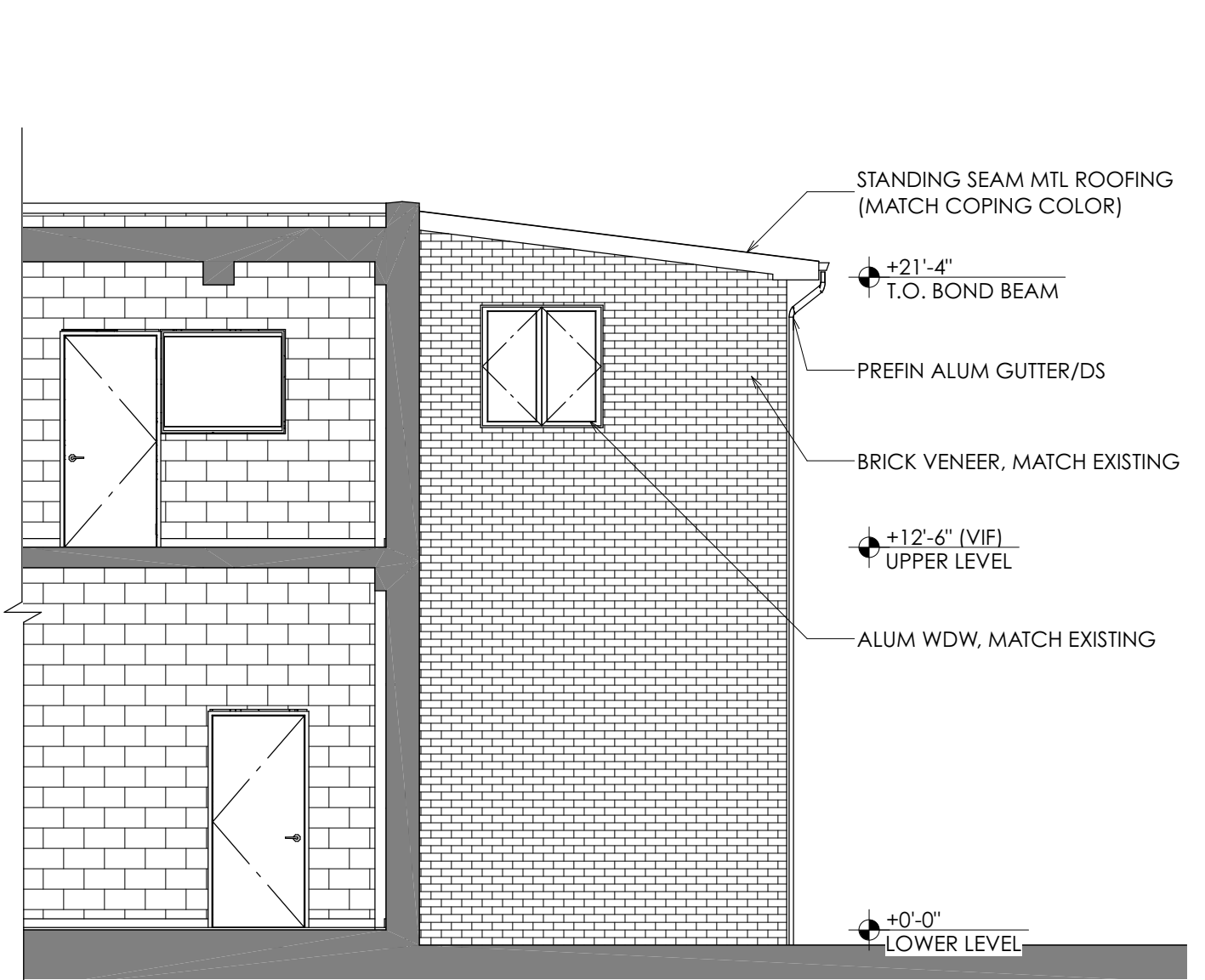
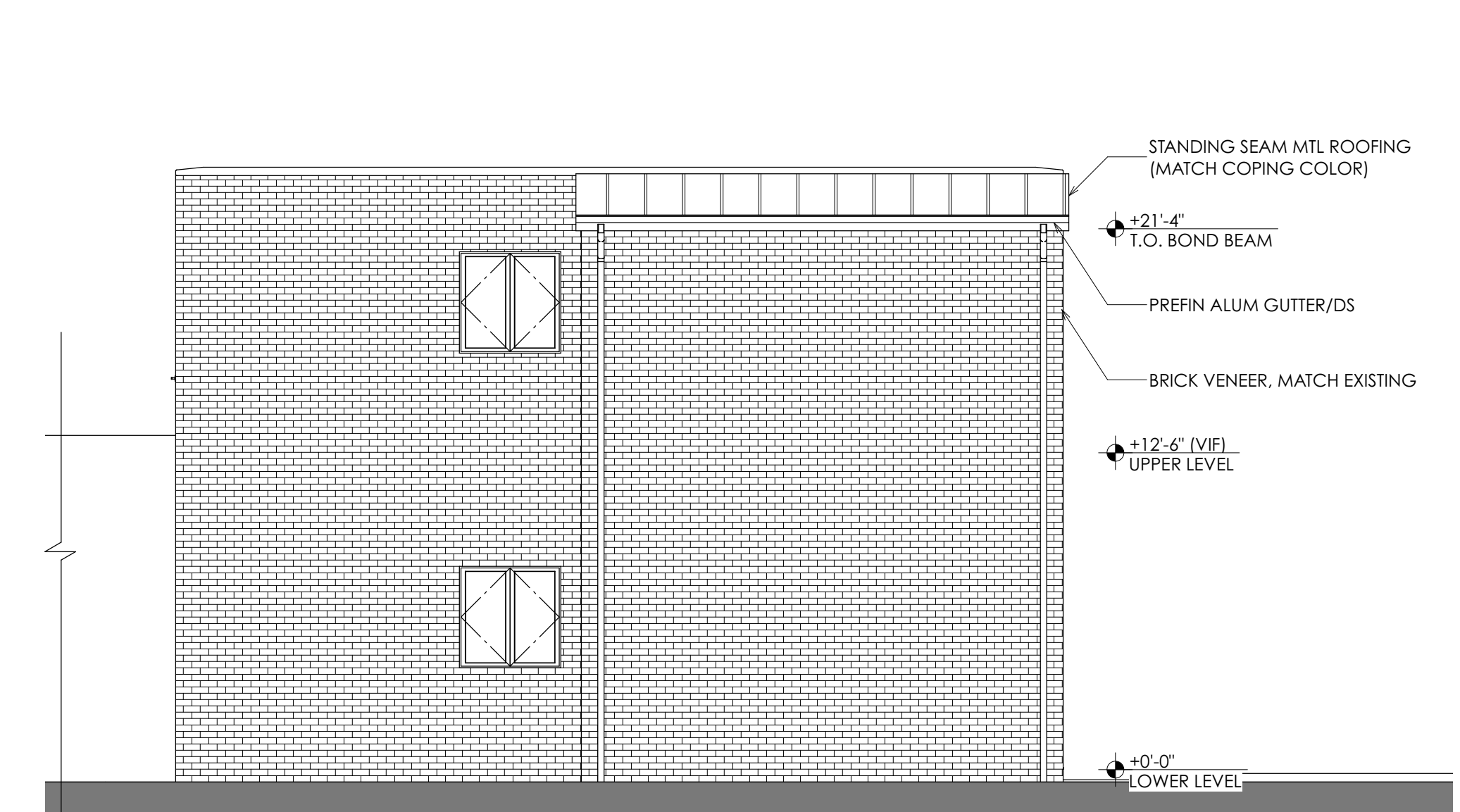
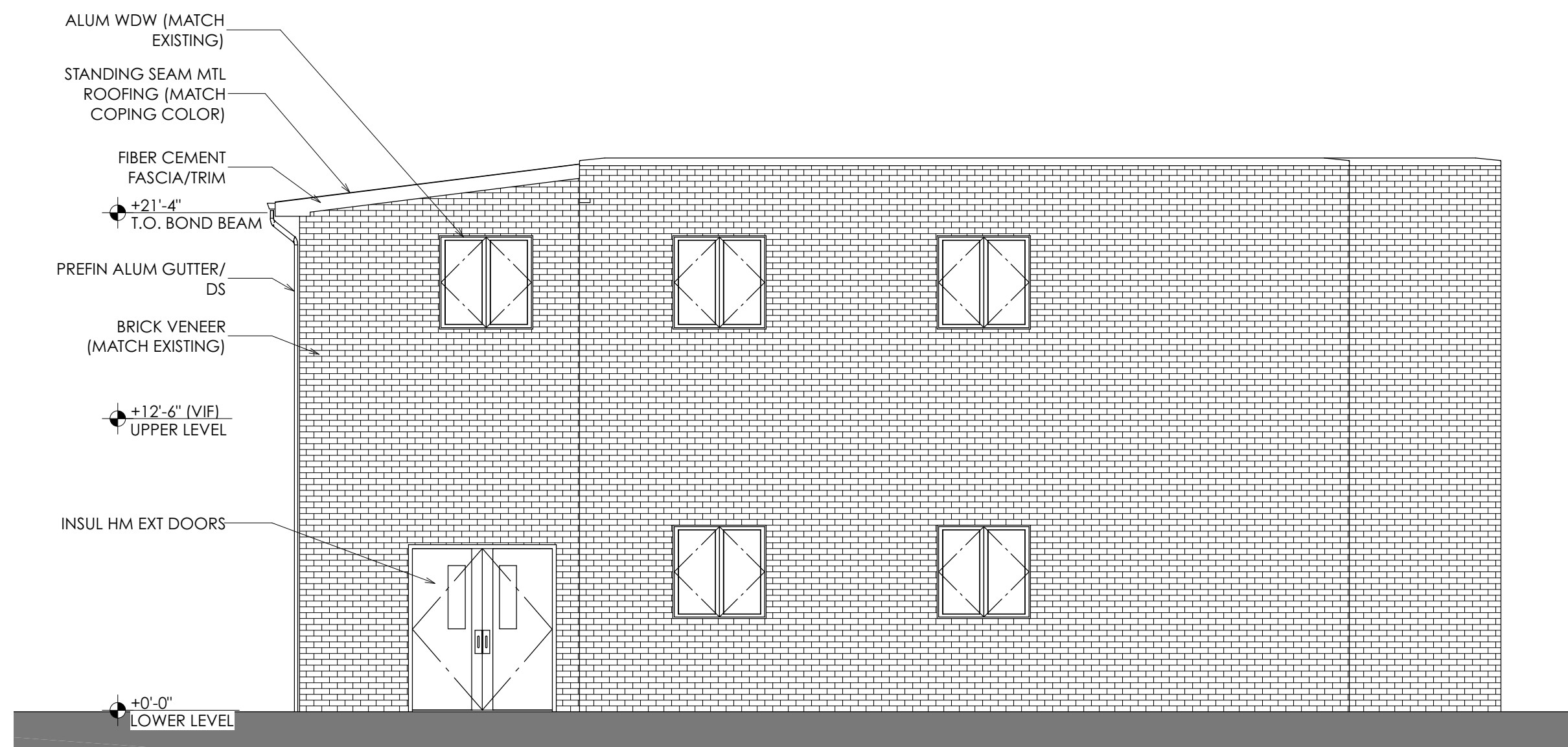
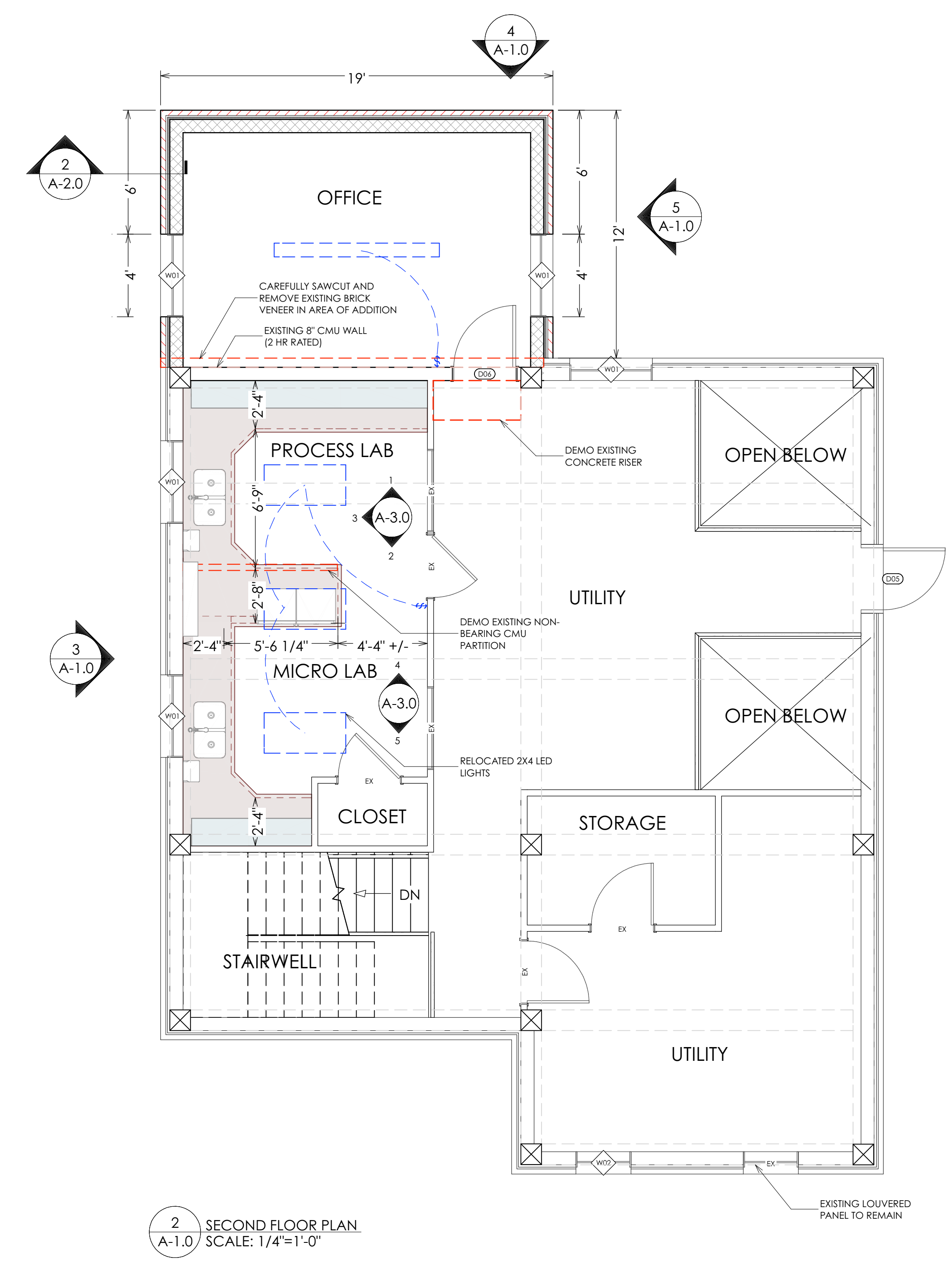
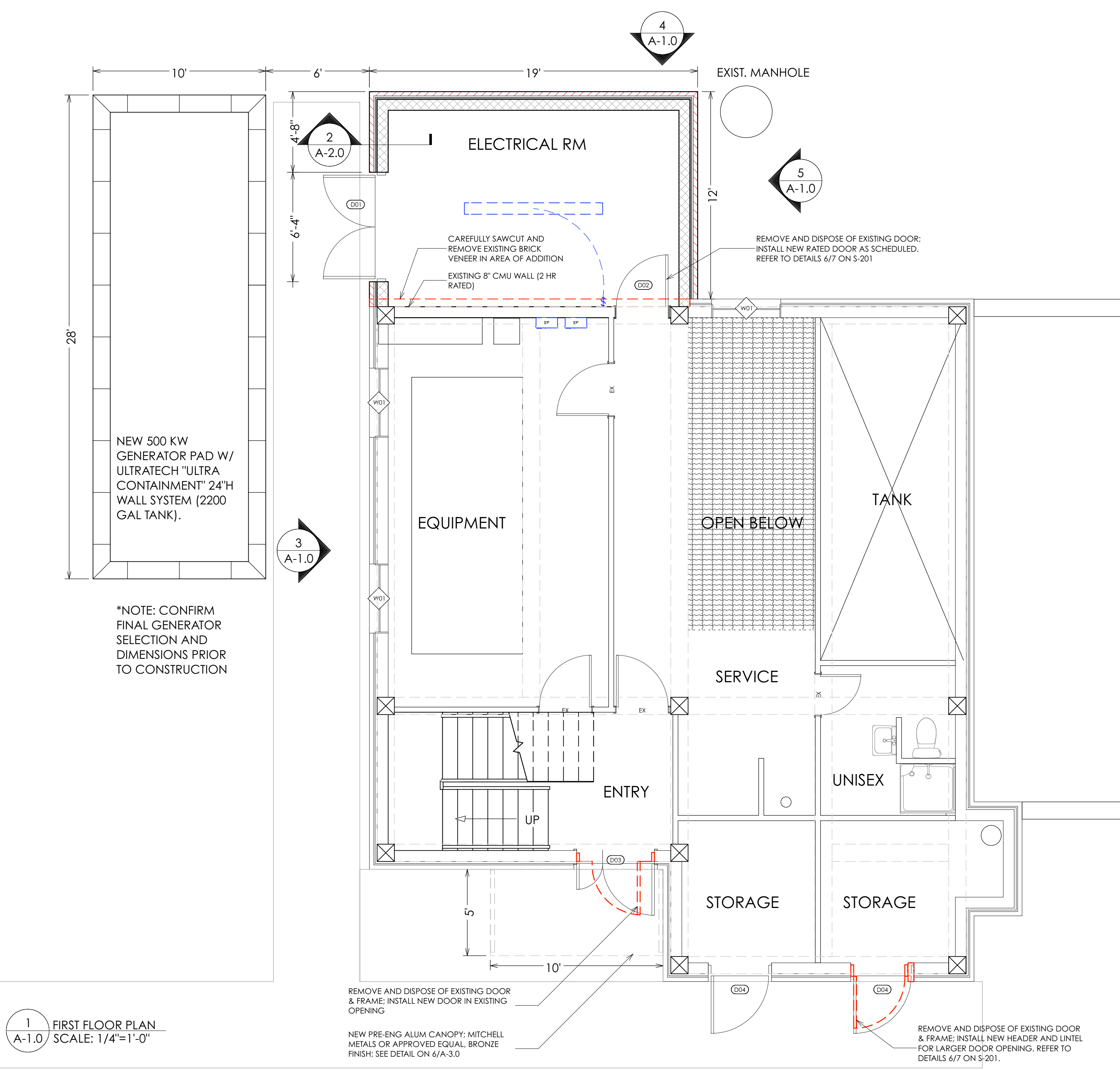
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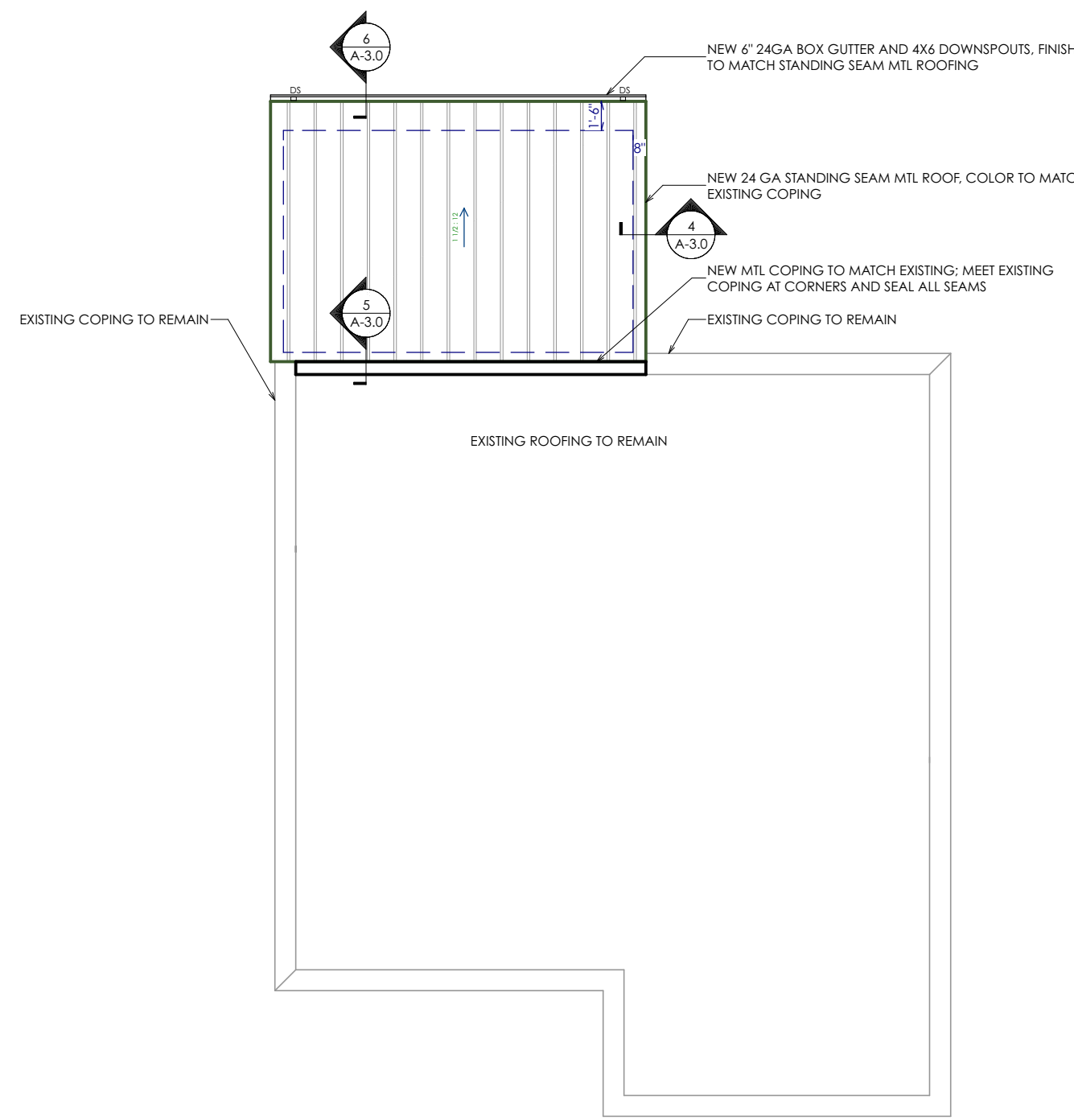
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SHEET TITLE:
FLOOR PLANS
& ELEVATIONS

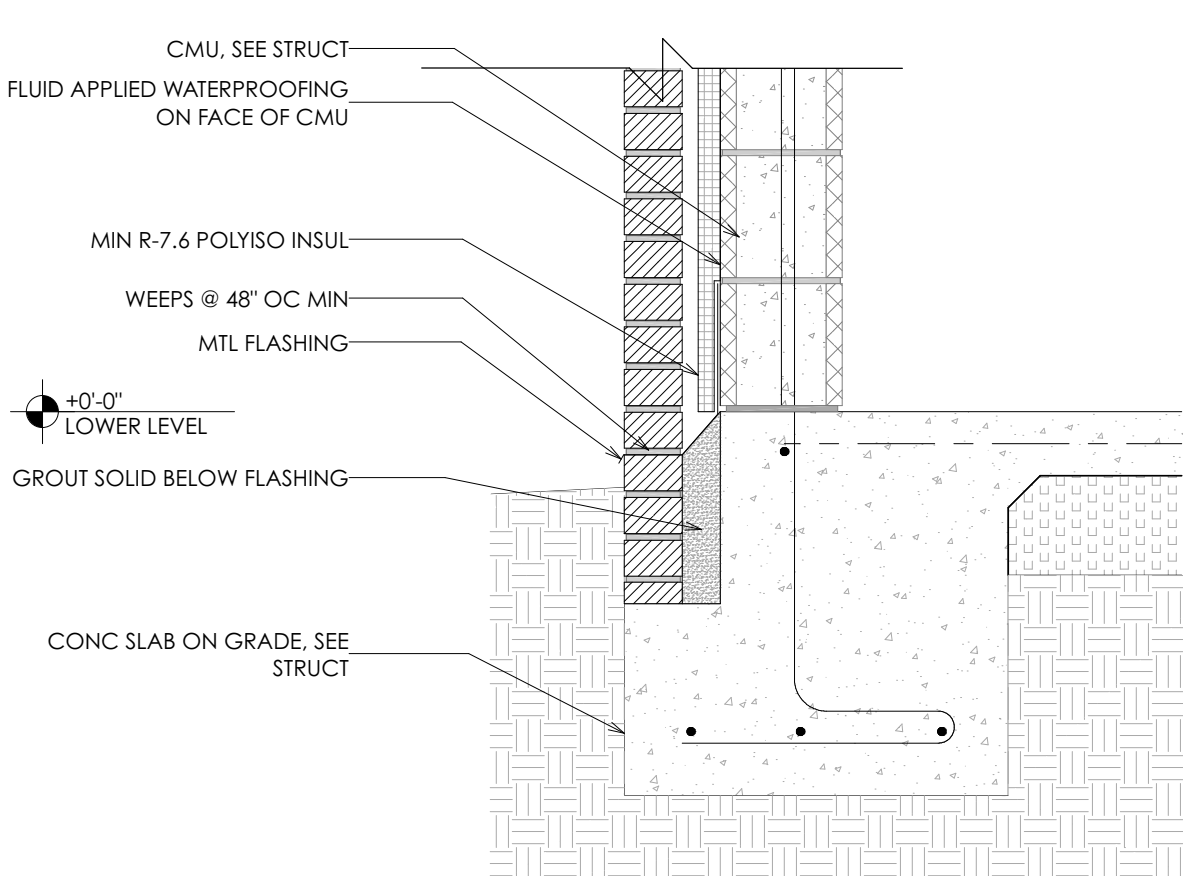
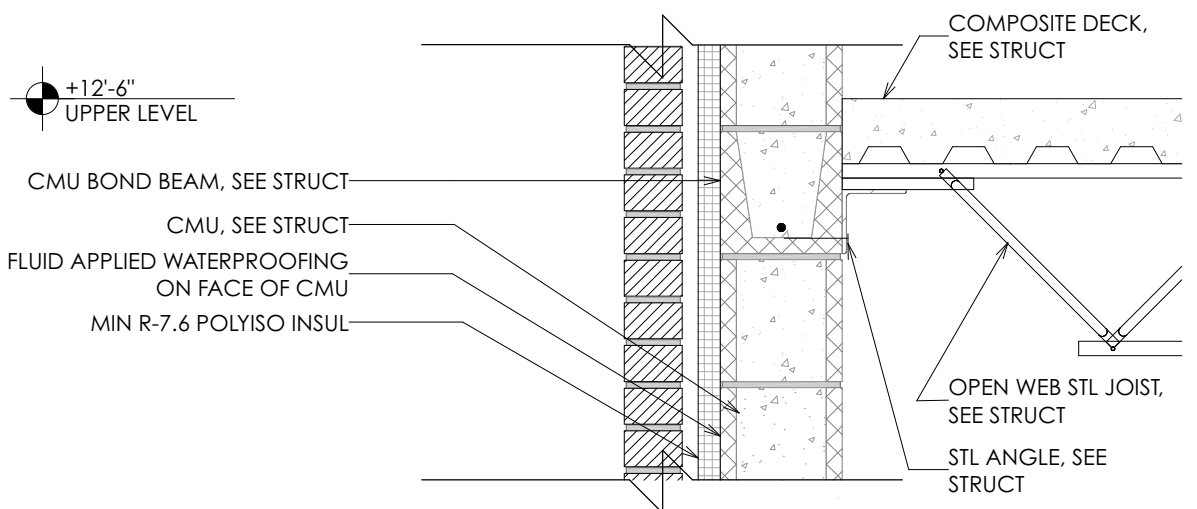
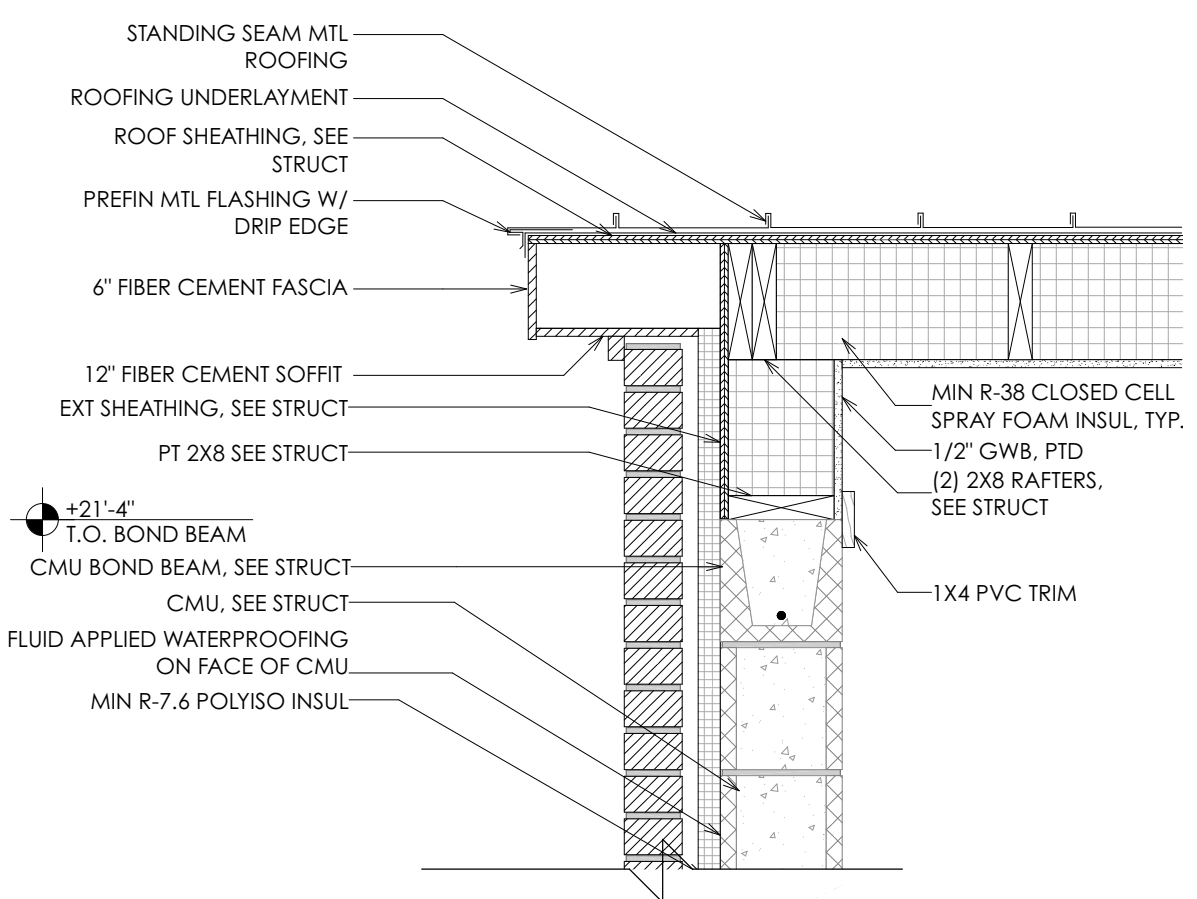
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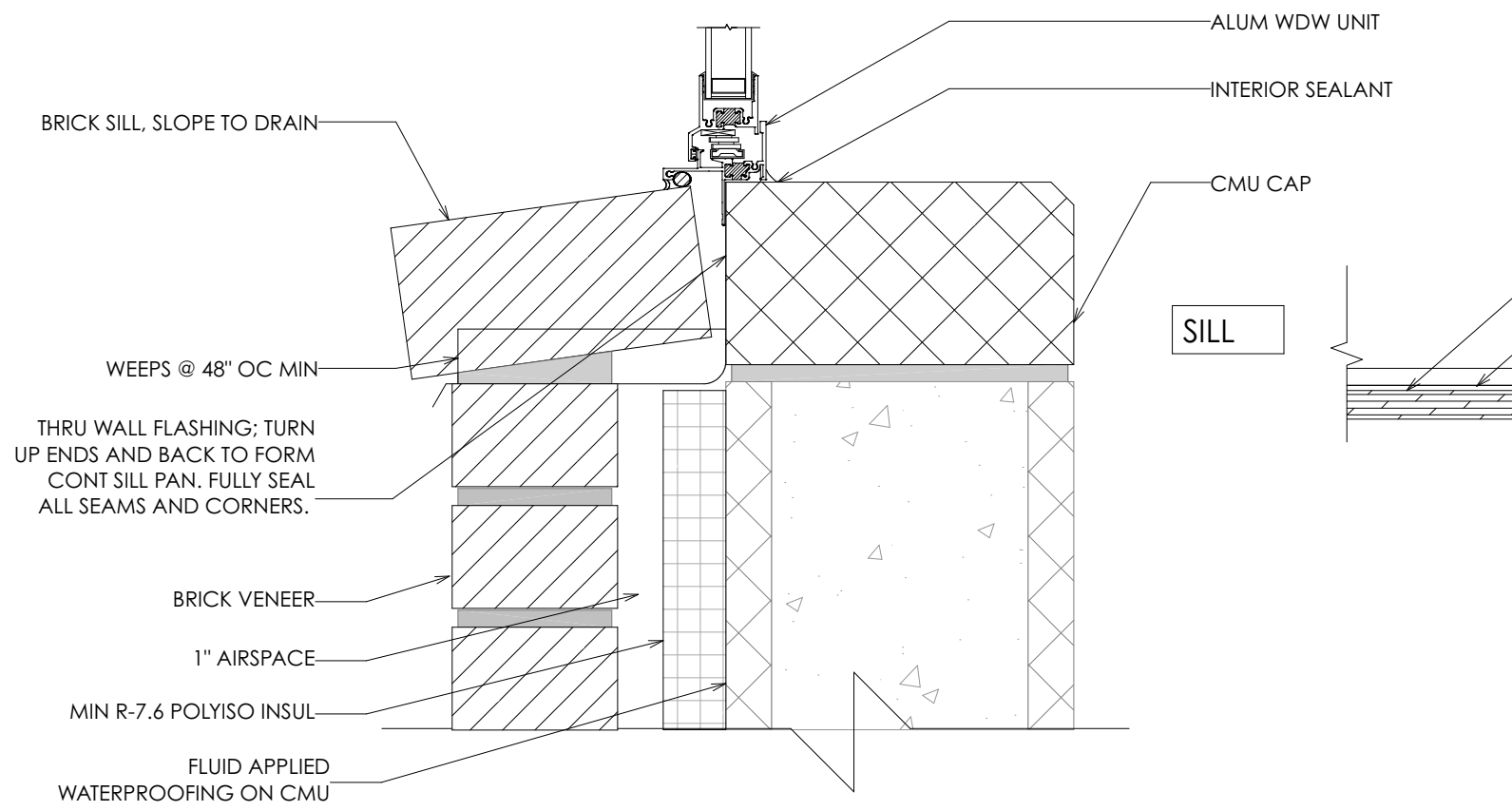
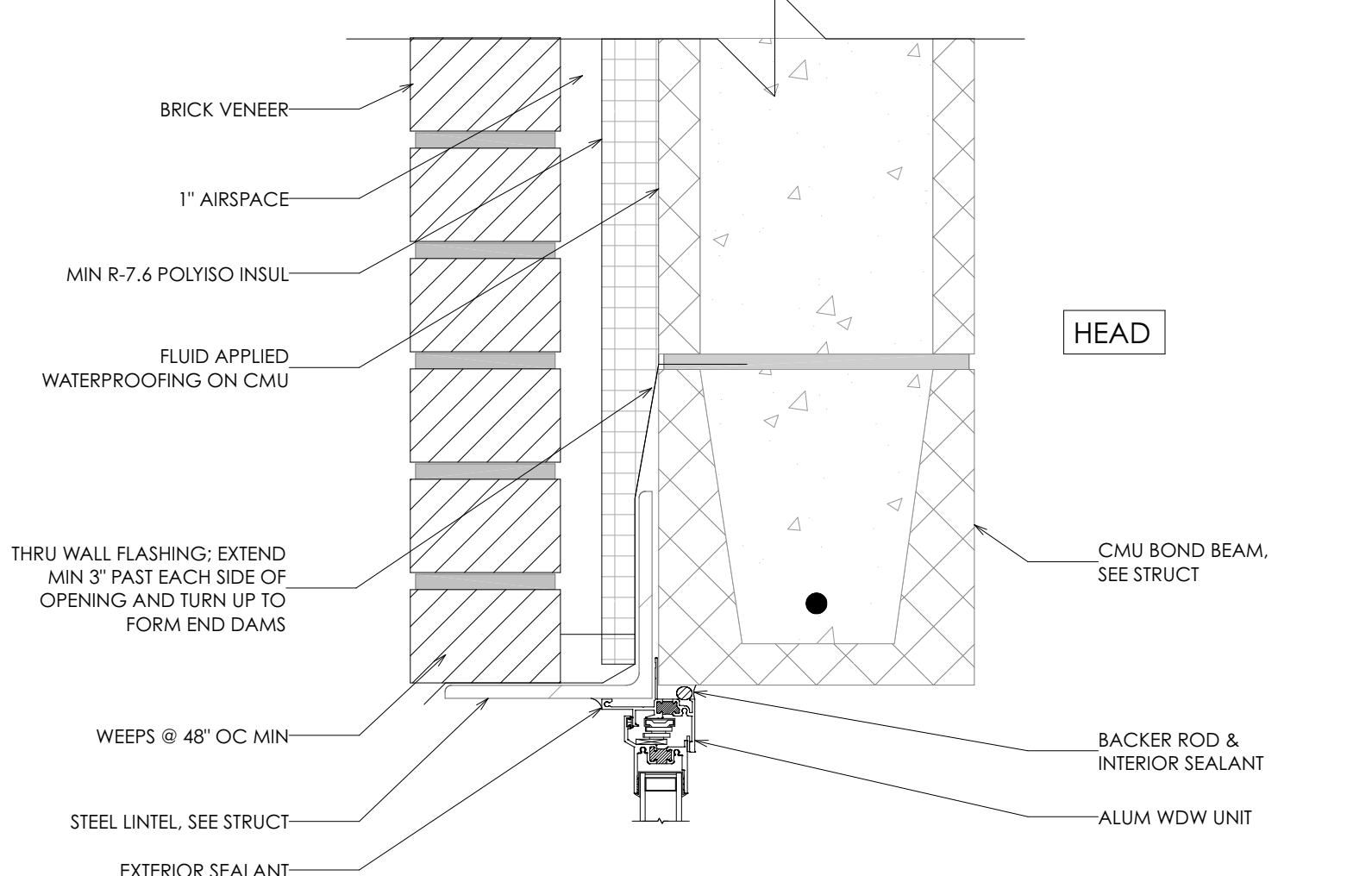
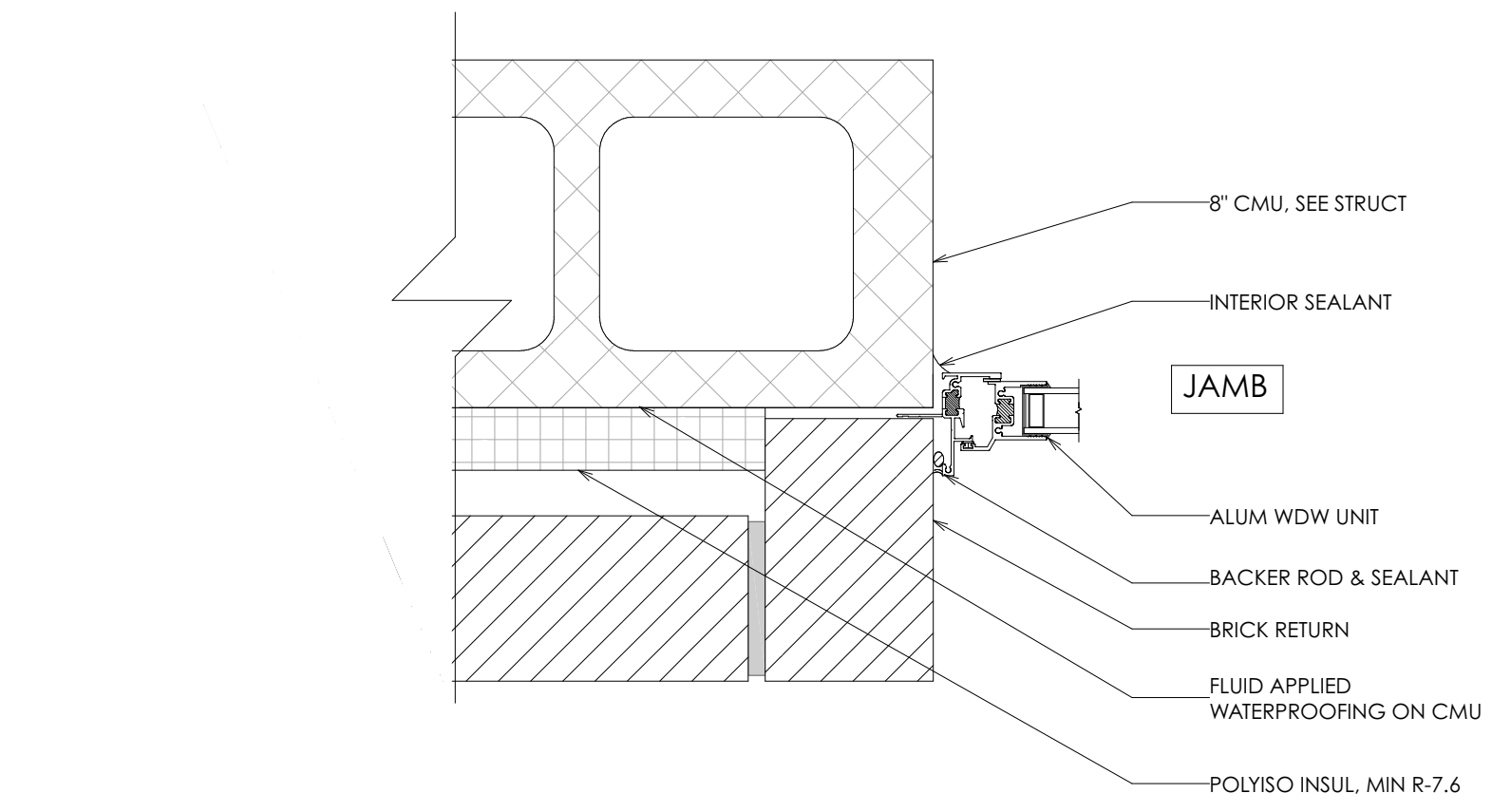


1 ROOF PLAN
A-2.0 / SCALE: 1/8"=1'-0"

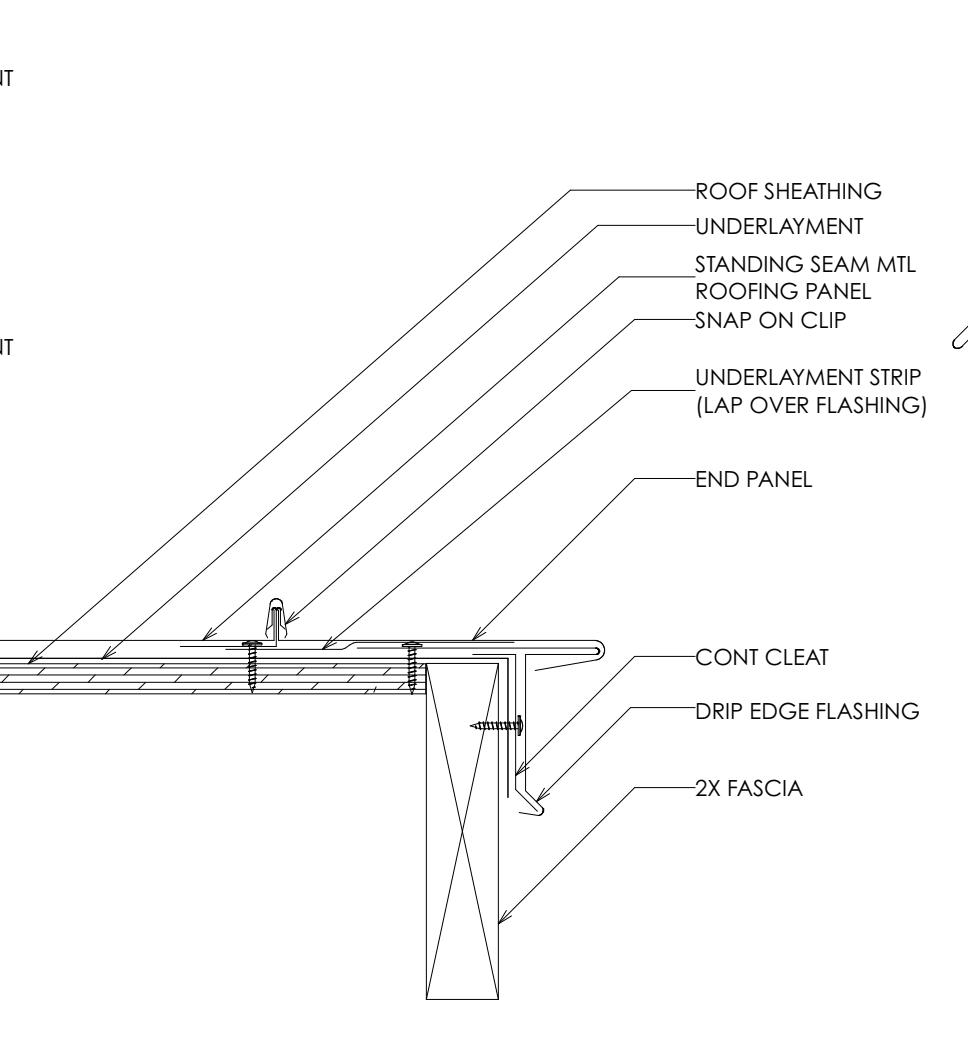


2 TYP. WALL SECTION
A-2.0 / SCALE: 1"=1'-0"

WINDOW SCHEDULE						
3D EXTERIOR ELEVATION	NUMBER	QTY	WIDTH	HEIGHT	DESCRIPTION	COMMENTS
	W01	8	48"	48"	DOUBLE CASEMENT-LHL/RHR	ALUM W/ LOW-E GLAZING, BRONZE FINISH; FIELD VERIFY ROUGH OPENING DIMENSIONS.
	W02	1	32"	48"	DOUBLE CASEMENT-LHL/RHR	ALUM W/ LOW-E GLAZING, BRONZE FINISH; FIELD VERIFY ROUGH OPENING DIMENSIONS

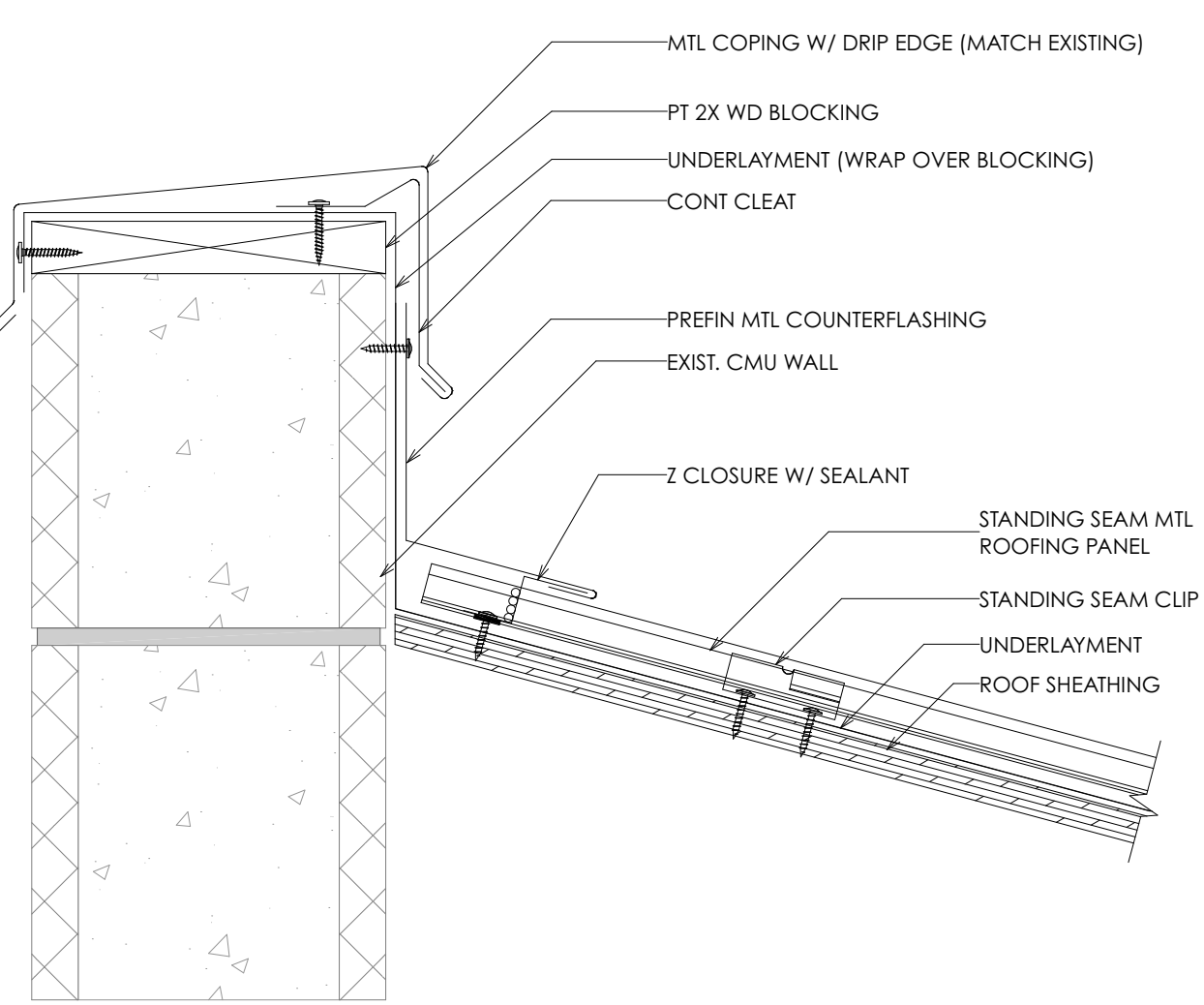


3 TYPICAL WINDOW DETAILS
A-2.0 / SCALE: 3"=1'-0"

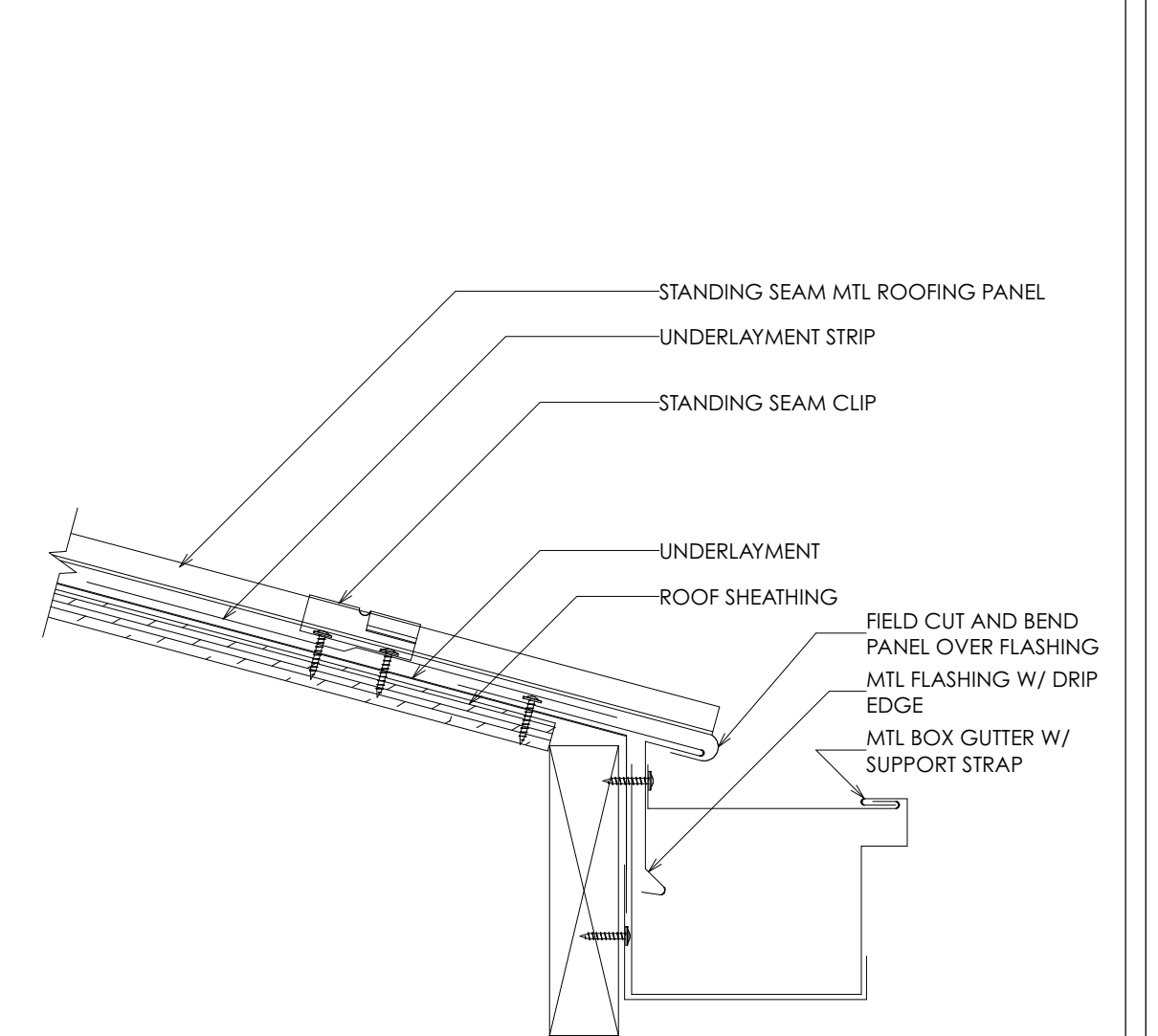


4 ROOF DETAIL @ GABLE
A-2.0 / SCALE: 3"=1'-0"

DOOR SCHEDULE									
3D INTERIOR ELEVATION	NUMBER	DESCRIPTION	WIDTH	HEIGHT	THICKNESS	COMMENTS	HANDLE, EXTERIOR	HANDLE, INTERIOR	QTY
	D01	EXT HM DOOR/FRAME W/ 4X25 VISION PANEL	72"	84"	1 3/4"	ELECTRICAL ROOM EGRESS	PULL HANDLE (2)	CRASH BAR (2)	1
	D02	INT HM DOOR/FRAME W/ 4X25 VISION PANEL	36"	84"	1 3/4"	ELECTRICAL ROOM ACCESS 90 MIN RATED	LEVER	CRASH BAR	1
	D03	EXT HM DOOR/FRAME, HALF GLASS. INSTALL W/ HEAVY DUTY CLOSER AND HOLD-OPEN	54"	84"	1 3/4"	36" HALF GLASS ACTIVE LEAF, 18" INACTIVE LEAF W/ FLUSH BOLT, CENTER ASTRAGAL	LEVER	LEVER	1
	D04	EXT HM DOOR/FRAME W/ 4X25 VISION PANEL; INSTALL W/ HEAVY DUTY CLOSER AND HOLD-OPEN	40"	84"	1 3/4"	STORAGE ROOMS	LEVER	LEVER	2
	D05	EXT HM DOOR/FRAME, HALF GLASS. INSTALL WITH HEAVY DUTY CLOSER AND HOLD-OPEN.	36"	84"	1 3/4"	SERVICE ACCESS	LEVER	LEVER	1
	D06	INT HM DOOR/FRAME W/ 4X25 VISION PANEL	36"	84"	1 3/4"	OFFICE ACCESS 90 MIN RATED	LEVER	LEVER	1



5 ROOF DETAIL @ PARAPET
A-2.0 / SCALE: 3"=1'-0"



6 ROOF DETAIL @ EAVE
A-2.0 / SCALE: 3"=1'-0"



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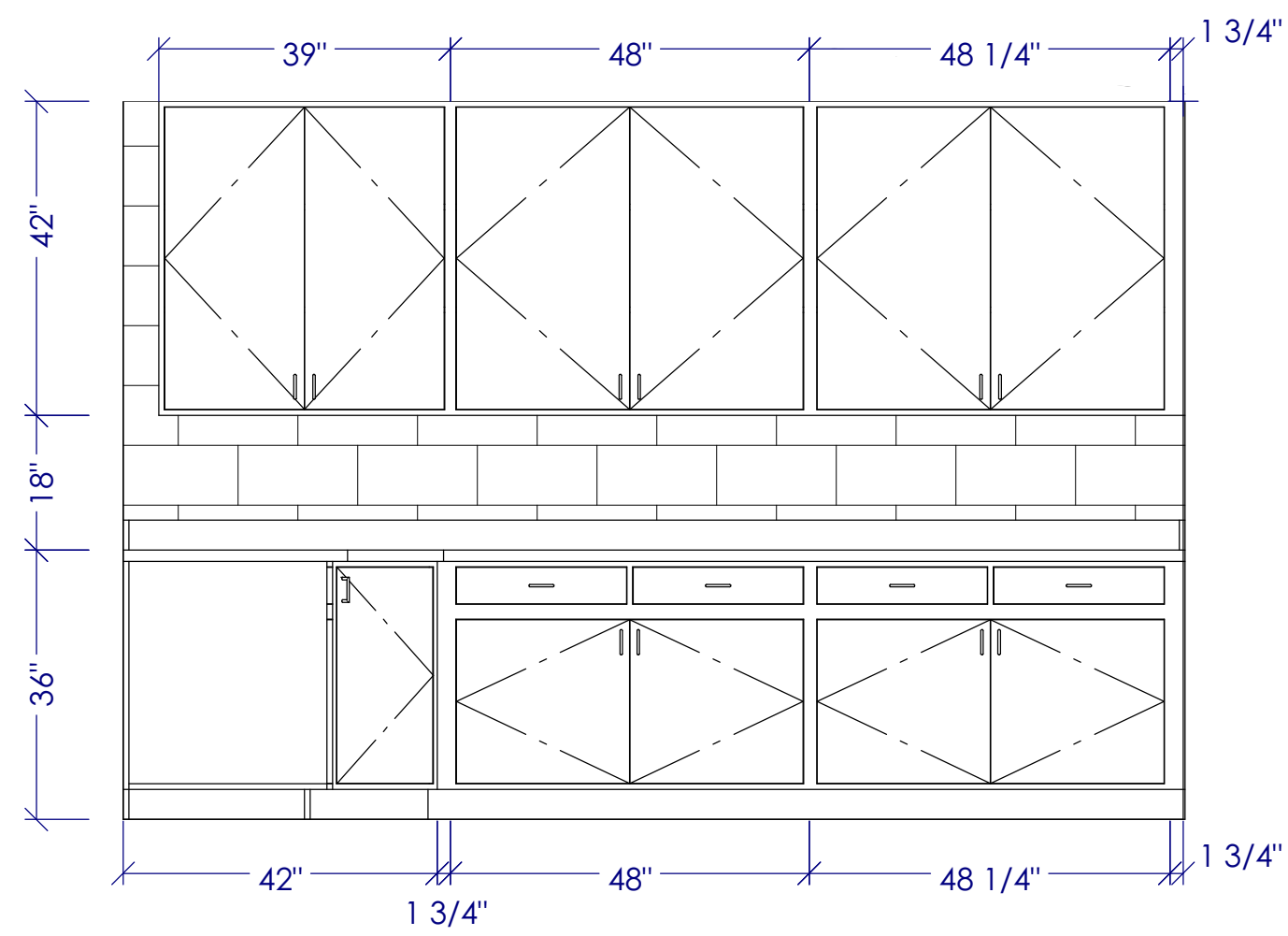
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SHEET TITLE:
ROOF PLAN, SCHEDULES, AND DETAILS

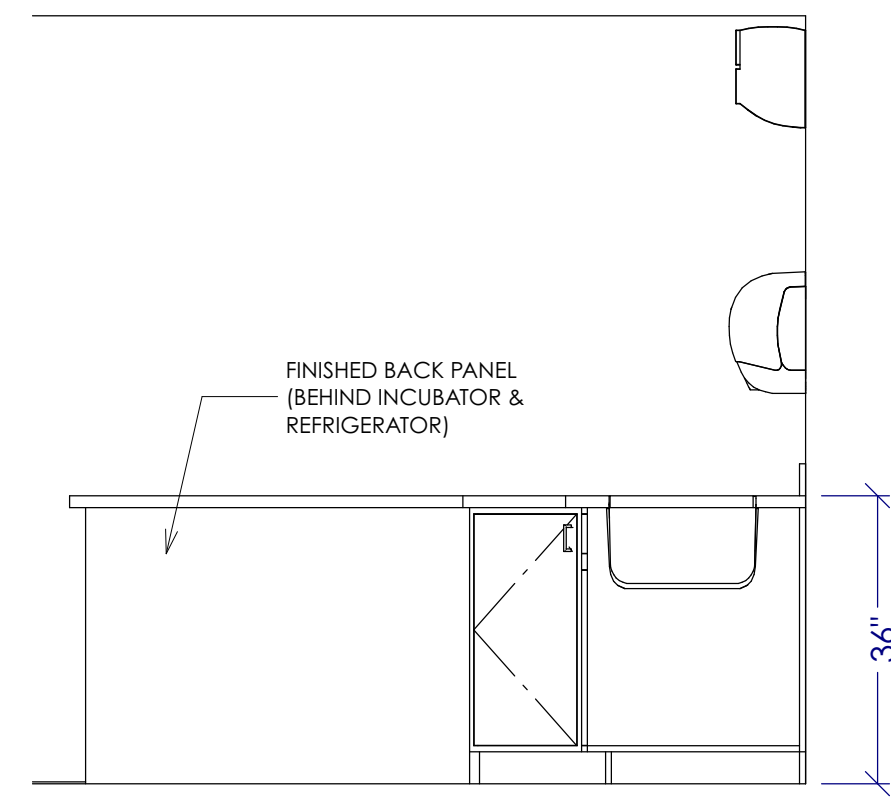
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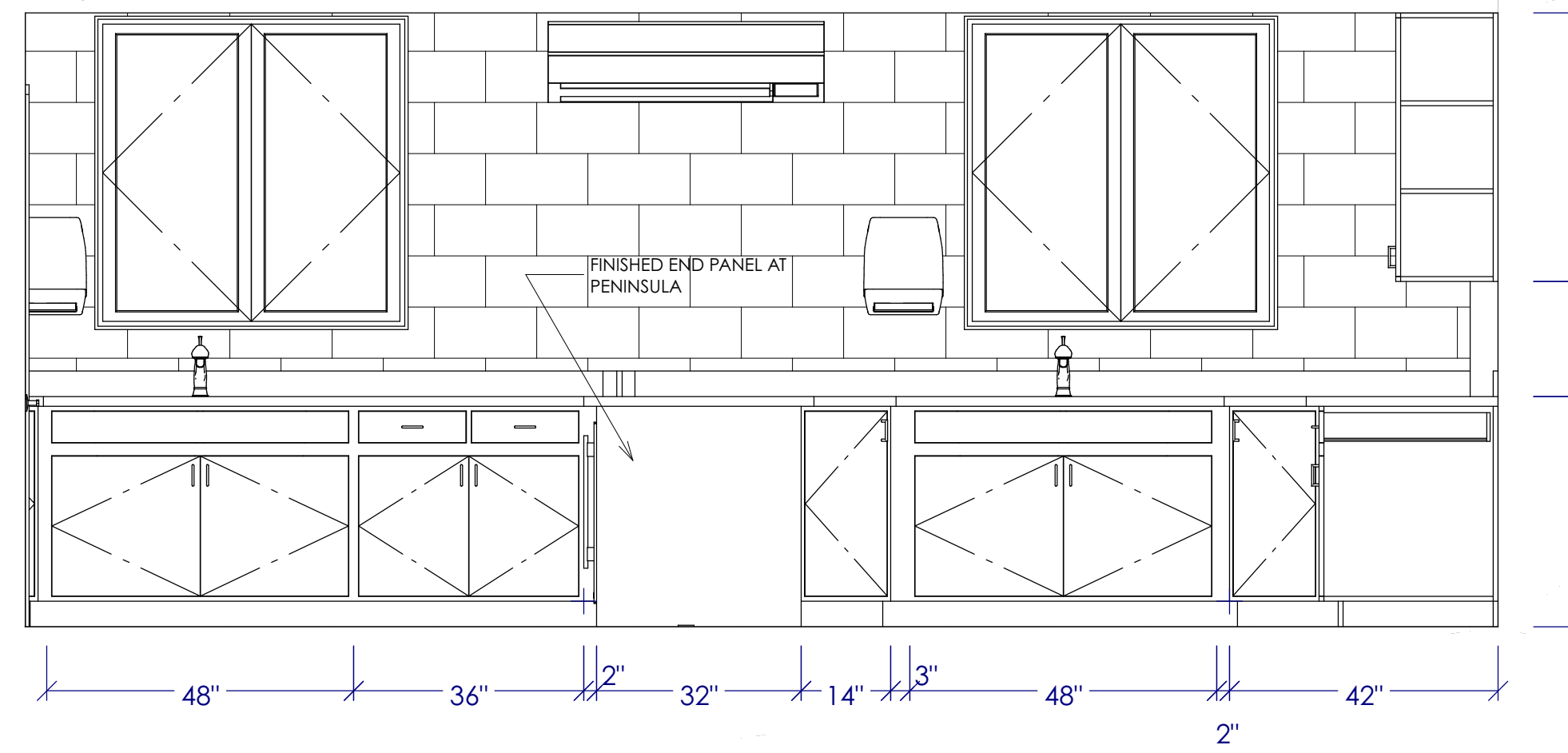
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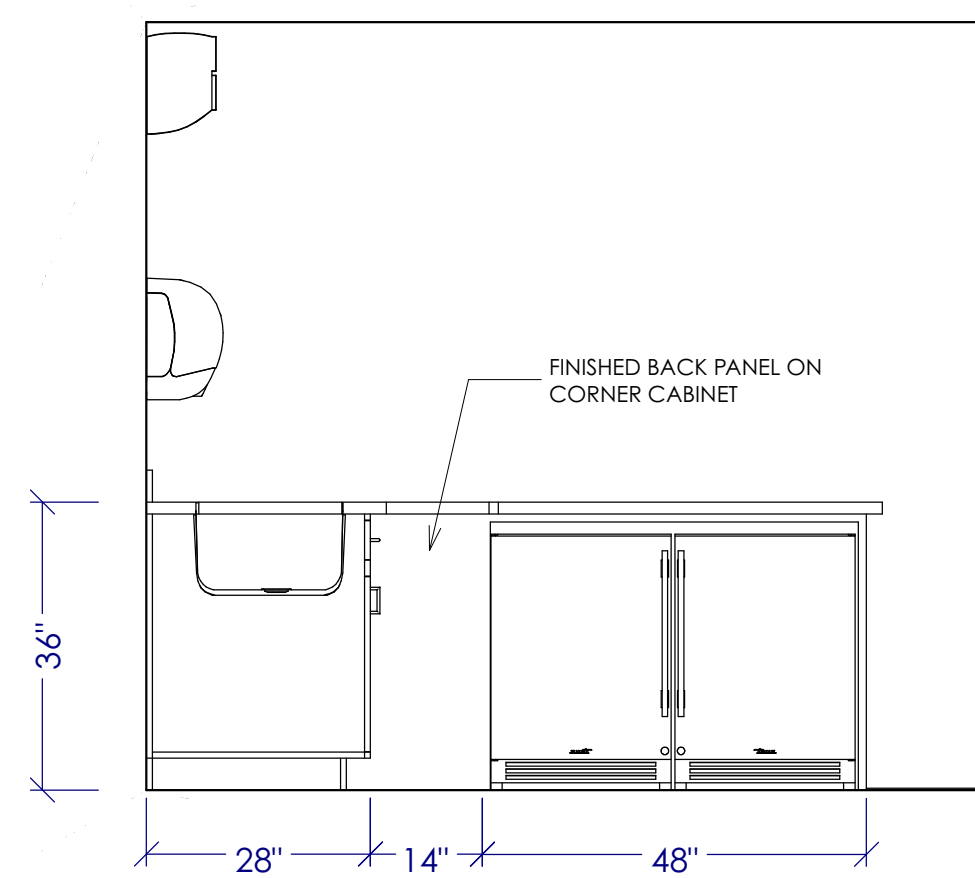
1 INT. ELEV. @ PROCESS LAB
A-3.0 SCALE: 1/2"=1'-0"



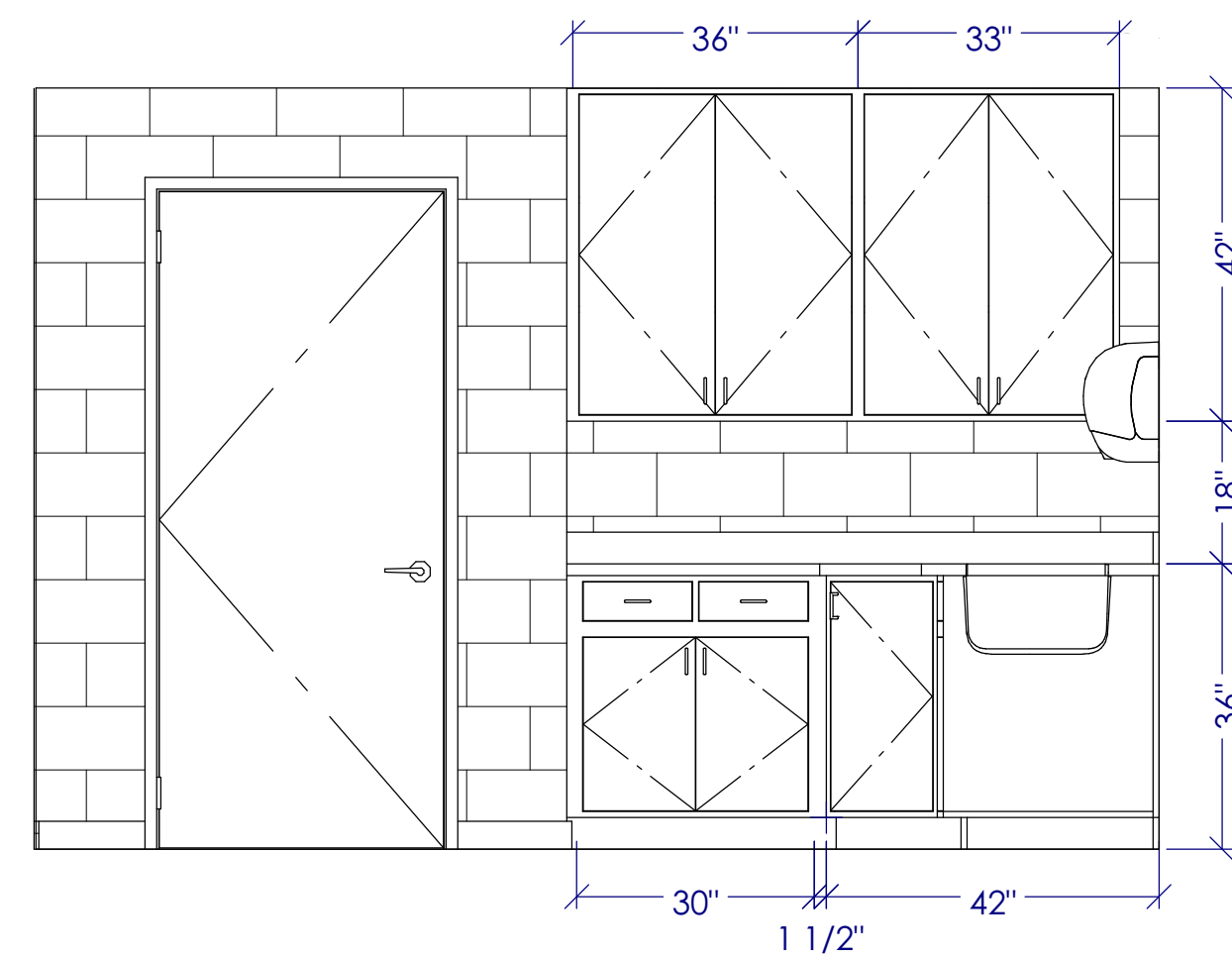
2 INT. ELEV. @ PROCESS LAB
A-3.0 SCALE: 1/2"=1'-0"



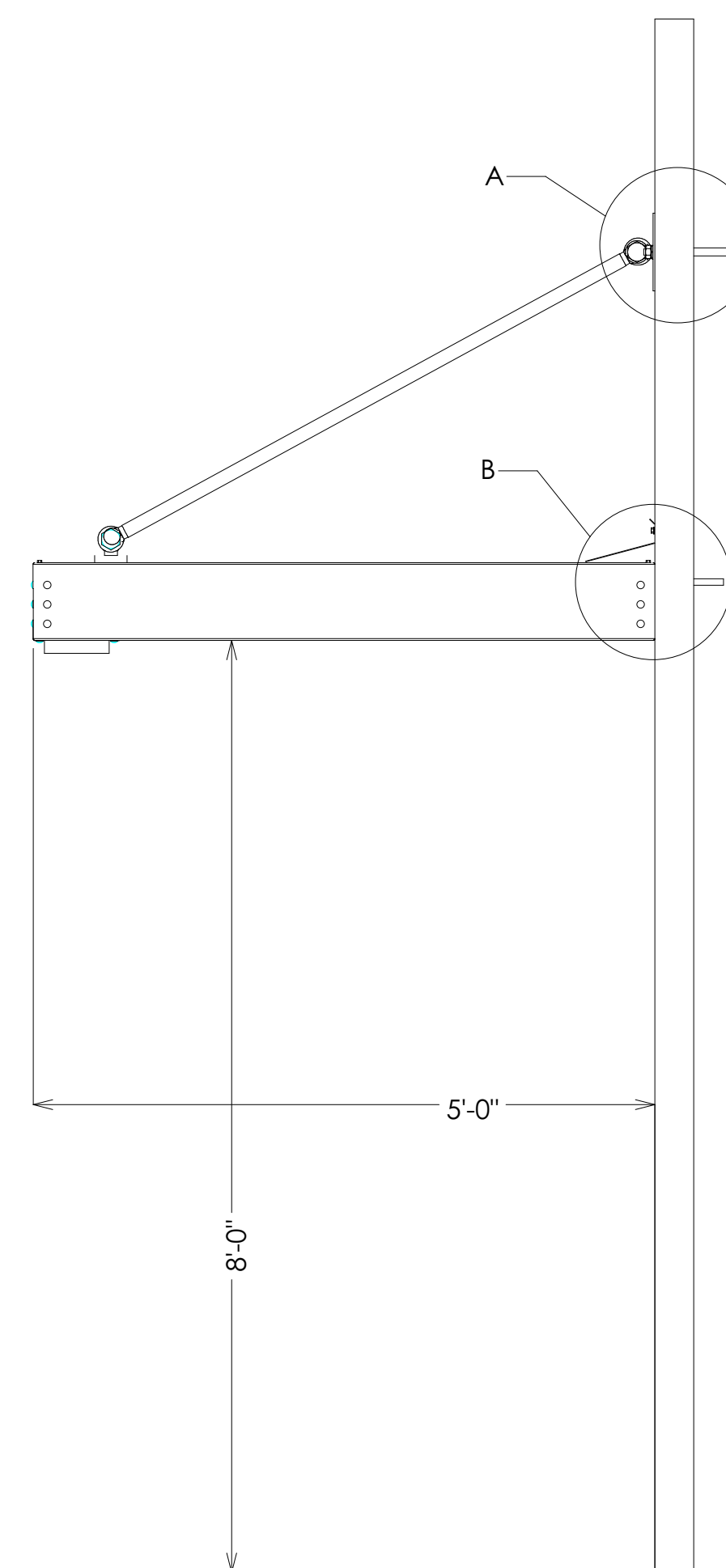
3 INT. ELEV. @ PROCESS LAB & MICRO LAB
A-3.0 SCALE: 1/2"=1'-0"



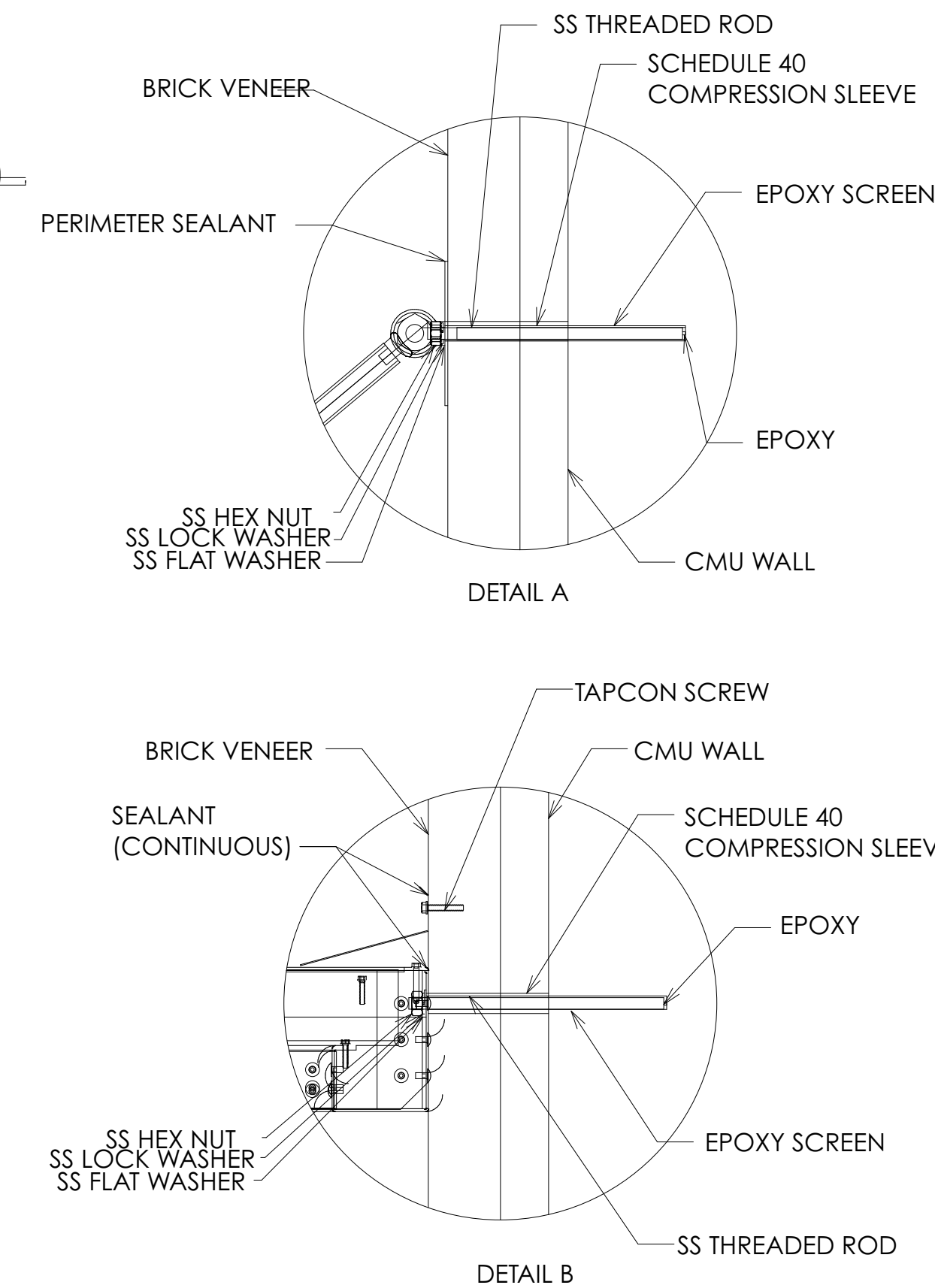
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A-3.0 SCALE: 1/2"=1'-0"



5 INT. ELEV. @ MICRO LAB
A-3.0 SCALE: 1/2"=1'-0"

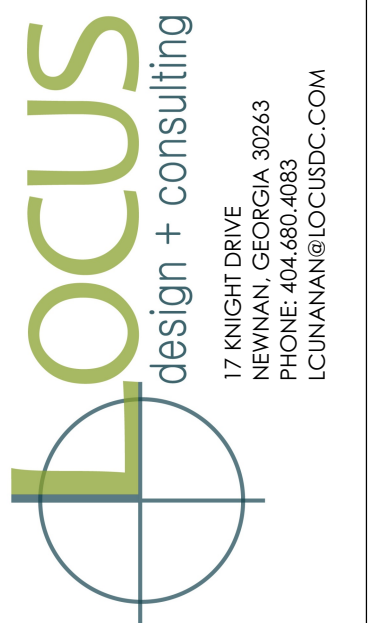


6 SECTION @ ENTRY CANOPY
A-3.0 NTS

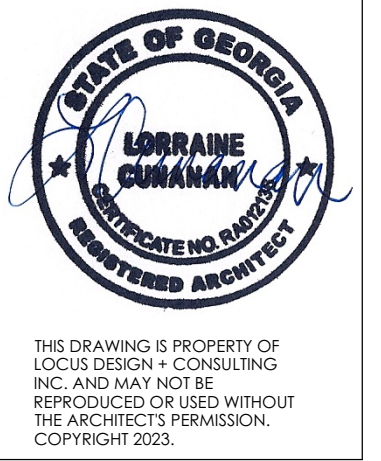


FINISH/FIXTURE SPECIFICATIONS:

- BASE CABINETS: 28" DEPTH, POWDERCOATED 18/20 GA STEEL, INSET FLUSH DOORS/DRAWERS WITH RECESSED PULLS AND FULL DEPTH ADJUSTABLE SHELVES. PROVIDE LAZY SUSANS INSIDE CORNER CABINETS. COLOR: PLATINUM GRAY
- PENINSULA CABINETS: 32" DEPTH, POWDERCOATED 18/20 GA STEEL, INSET FLUSH DOORS/DRAWERS WITH RECESSED PULLS AND FULL DEPTH ADJUSTABLE SHELVES. COLOR: PLATINUM GRAY.
- WALL CABINETS: 16" DEPTH, POWDERCOATED 18/20 GA STEEL, INSET FLUSH HINGED DOORS WITH RECESSED PULLS AND FULL DEPTH ADJUSTABLE SHELVES. COLOR: PLATINUM GRAY
- COUNTERS: 30" DEPTH TYPICAL (36" DEPTH AT PENINSULA), SOLID PHENOLIC RESIN WITH 4" BACKSPLASH AND 2" OVERHANGS. COLOR: BLACK
- ACOUSTICAL CEILING TILE: ARMSTRONG CERAMAGUARD 2X4 ACT
- SINKS: JUST MFG. #2243A-J EQUAL DOUBLE COMPARTMENT 18 GA STAINLESS STEEL SINK, TYPE 316 (OR APPROVED EQUAL)
- FAUCETS: JUST MFG. #1174-KS (OR APPROVED EQUAL)



SENOIA WATER PLANT
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SENOIA, GA 30269



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SHEET TITLE:
INTERIOR ELEVATIONS & DETAILS

SHEET NO:

A-3.0

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PROJECT NO:

2023-08

SHEET TITLE:

GENERAL NOTES

SHEET NO:

S001

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ABBREVIATIONS

A	ABV	ABOVE
	ADD'L	ADDITIONAL
	APRX	APPROXIMATE
B	BLW	BELOW
	BTWN	BETWEEN
	BLKG	BLOCKING
	BOTT	BOTTOM
	B/O	BOTTOM OF
	BRIDG	BRIDGING
	BLDG	BUILDING
C	CL, C/L	CENTER LINE
	CONC	CONCRETE
	CONT	CONTINUOUS
D	DIA	DIAMETER
	DIM	DIMENSION
E	EA	EACH
	EN	EDGE NAIL
	(E)	EXISTING
F	FNDN	FOUNDATION
G	GC	GENERAL CONTRACTOR
H	HDR	HEADER
	HI	HIGH
	HK	HOOK
	HORIZ	HORIZONTAL
L	LO	LOW
M	MAX	MAXIMUM
	MIN	MINIMUM
O	OC	ON CENTER
F	FCF	FOUNDS PER CUBIC FOOT
	FSF	FOUNDS PER SQUARE FOOT
	FL, F/L	PROPERTY LINE
R	REINF	REINFORCING, REINFORCEMENT
	REQ'D	REQUIRED
S	SAD	SEE ARCHITECTURAL DRAWINGS
	SIM	SIMILAR
	SQ	SQUARE
	STAG'D	STAGGERED
	SB	STEEL BEAM
	STIFF	STIFFENER
T	T/O	TOP OF
	TYP	TYPICAL
U	UN.O.	UNLESS NOTED OTHERWISE
V	VERT	VERTICAL
W	W/	WITH

GENERAL NOTES

1.00 GENERAL	
1.01	ALL CONSTRUCTION SHALL CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE W/ GEORGIA AMENDMENTS. OTHER REFERENCES TO STANDARD SPECIFICATIONS OR CODES SHALL MEAN THE LATEST STANDARD OR CODE ADOPTED.
1.02	DRAWINGS SHOW TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY. FOR DETAILS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS SIMILAR TO THOSE SHOWN.
1.03	VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS BEFORE STARTING WORK. NOTIFY STRUCTURAL ENGINEER OF ANY DISCREPANCY.
1.04	NOTIFY THE STRUCTURAL ENGINEER IN WRITING OF CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY TO THOSE SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS.
1.05	THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC.
1.06	COORDINATE STRUCTURAL CONTRACT DOCUMENTS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL. NOTIFY STRUCTURAL ENGINEER OF ANY CONFLICT AND/OR OMISSION.
1.07	COORDINATE AND VERIFY FLOOR AND ROOF OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS. FOR ADDITIONAL OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.
1.08	FOR DIMENSIONS NOT SHOWN SEE ARCHITECTURAL DRAWINGS.
1.09	REVIEW OF SUBMITTALS AND/OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE STRUCTURAL ENGINEER. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
1.10	THE STRUCTURAL DESIGN OF BUILDING IS BASED ON THE FULL INTERACTION OF ALL ITS COMPONENT PARTS, WITH NO PROVISION FOR CONDITIONS OCCURRING DURING CONSTRUCTION. THEREFORE, CONTRACTOR SHALL PROVIDE ADEQUATE BRACING DURING CONSTRUCTION.
1.11	SUPERIMPOSED DESIGN LIVE LOADS <ul style="list-style-type: none"> o OFFICE _____ 60 PSF o TYPICAL ROOF _____ 20 PSF
	WIND DESIGN CRITERIA: <ul style="list-style-type: none"> o BASIC WIND SPEED (ULTIMATE) _____ 115 MPH o BASIC WIND SPEED (ASD) _____ 90 MPH o BUILDING OCCUPANCY/RISK CATEGORY _____ II o WIND EXPOSURE CATEGORY _____ C
	SEISMIC DESIGN CRITERIA: <ul style="list-style-type: none"> o BUILDING OCCUPANCY CATEGORY _____ II o SEISMIC IMPORTANCE FACTOR _____ Ie=1.0 o DESIGN SPECTRAL RESPONSE ACCELERATION, 0.2 SECONDS _____ Sds=0.162g o DESIGN SPECTRAL RESPONSE ACCELERATION, 1.0 SECONDS _____ Sd1=0.127g o SITE CLASS _____ D (PRESUMED) o SEISMIC DESIGN CATEGORY _____ B o SEISMIC RESISTING SYSTEM: _____ ORDINARY REINFORCED MASONRY SHEARWALLS
	SNOW DESIGN CRITERIA: <ul style="list-style-type: none"> o GROUND SNOW LOAD Fg=5 PSF o FLAT ROOF SNOW LOAD Pf=5 PSF o SLOPED ROOF SNOW LOAD Ps=5 PSF

2.00 FOUNDATIONS AND SLAB-ON-GROUND	
2.01	THE DESIGN OF FOUNDATIONS IS BASED ON AN ASSUMED ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF.
2.02	GEOTECHNICAL ENGINEER SHALL VERIFY CONDITION AND ADEQUACY OF ALL SUB GRADES, FILLS, AND BACKFILLS BEFORE PLACEMENT OF FOUNDATIONS, SLABS, AND WALLS.
2.03	SIDES OF FOUNDATIONS SHALL BE FORMED UNLESS CONDITIONS PERMIT EARTH FORMING. FOUNDATIONS POURED AGAINST THE EARTH REQUIRE THE FOLLOWING PRECAUTIONS: SLOPE SIDES OF EXCAVATIONS AS APPROVED BY GEOTECHNICAL ENGINEER AND CLEAN UP SLOUGHING BEFORE AND DURING CONCRETE PLACEMENT.
2.04	FOOTING STEPS SHALL BE NO STEEPER THAN ONE VERTICAL TO TWO HORIZONTAL, UNLESS NOTED.
2.05	DO NOT BACKFILL AGAINST FOUNDATION WALLS UNTIL THE WALL HAS REACHED 65% OF DESIGN STRENGTH. FRAMED SLAB BEARING ON WALLS IS CAST, OR TEMPORARY WALL BRACING HAS BEEN PLACED.

3.00 REINFORCED CONCRETE													
3.01	ALL CONCRETE WORK SHALL CONFORM TO ACI 301-20, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS. DESIGN IS BASED ON ACI 318-14, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.												
3.02	UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL BE NORMAL WEIGHT AND HAVE THE FOLLOWING MINIMUM 28-DAY COMPRESSIVE STRENGTHS: <ul style="list-style-type: none"> o SLAB-ON-GRADE AND FOUNDATIONS 3,000 PSI o ELEVATED TOPPING SLAB 3,500 PSI 												
3.03	THE PROPOSED MATERIALS AND MIX DESIGNS SHALL BE FULLY DOCUMENTED AND REVIEWED BY THE OWNER'S TESTING LABORATORY AND THE STRUCTURAL ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE REQUIRED DESIGN STRENGTH.												
3.04	USE OF CALCIUM CHLORIDE, CHLORIDE IONS, OR OTHER SALTS IN CONCRETE IS NOT PERMITTED.												
3.05	HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED ONLY WHERE INDICATED. THE LOCATION OF VERTICAL CONSTRUCTION JOINTS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. CONSTRUCTION JOINTS SHALL BE THOROUGHLY ROUGHENED BY MECHANICAL MEANS AND CLEANED.												
3.06	CHAMFER OR ROUND ALL EXPOSED CORNERS MINIMUM 3/4".												
3.07	DETAIL CONCRETE REINFORCEMENT AND ACCESSORIES IN ACCORDANCE WITH ACI 318R-18 DETAILING MANUAL. SUBMIT SHOP DRAWINGS FOR APPROVAL, SHOWING ALL FABRICATION DIMENSIONS AND LOCATIONS FOR PLACING REINFORCING STEEL AND ACCESSORIES. DO NOT BEGIN FABRICATION UNTIL SHOP DRAWINGS ARE COMPLETED AND REVIEWED.												
3.08	DETAIL ALL CONCRETE WALLS AND BEAMS ON THE SHOP DRAWINGS IN ELEVATION UNLESS SPECIFICALLY APPROVED OTHERWISE.												
3.09	REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.												
3.10	WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.												
3.11	TIE ALL REINFORCING STEEL AND EMBEDMENTS SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE SUFFICIENT SUPPORTS TO MAINTAIN THE POSITION OF REINFORCEMENT WITHIN SPECIFIED TOLERANCES DURING ALL CONSTRUCTION ACTIVITIES. "STICKING" DOWELS INTO WET CONCRETE IS NOT PERMITTED.												
3.12	PROVIDE CONTINUOUS REINFORCEMENT WHEREVER POSSIBLE; SPLICE ONLY AS SHOWN OR APPROVED; STAGGER SPLICES WHERE POSSIBLE; USE TENSION SPLICE (CLASS "B") UNLESS NOTED OTHERWISE. DOWELS SHALL MATCH THE SIZE AND SPACING OF THE SPECIFIED REINFORCEMENT AND SHALL BE LAPPED WITH TENSION SPLICES (CLASS "B") UNLESS NOTED OTHERWISE.												
3.13	REINFORCING STEEL SHALL HAVE THE FOLLOWING CONCRETE COVER UNLESS NOTED OTHERWISE: <table border="0" style="margin-left: 20px;"> <tr> <td>CONCRETE AGAINST EARTH (NOT FORMED)</td> <td>3"</td> </tr> <tr> <td>FORMED CONCRETE EXPOSED TO EARTH OR WEATHER</td> <td>2"</td> </tr> <tr> <td> #6 THROUGH #8 BARS</td> <td>1 1/2"</td> </tr> <tr> <td> #5 BARS AND SMALLER</td> <td> </td> </tr> <tr> <td>CONCRETE NOT EXPOSED TO EARTH OR WEATHER</td> <td>3/4"</td> </tr> <tr> <td> SLABS AND WALLS</td> <td> </td> </tr> </table>	CONCRETE AGAINST EARTH (NOT FORMED)	3"	FORMED CONCRETE EXPOSED TO EARTH OR WEATHER	2"	#6 THROUGH #8 BARS	1 1/2"	#5 BARS AND SMALLER		CONCRETE NOT EXPOSED TO EARTH OR WEATHER	3/4"	SLABS AND WALLS	
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#5 BARS AND SMALLER													
CONCRETE NOT EXPOSED TO EARTH OR WEATHER	3/4"												
SLABS AND WALLS													
3.14	DO NOT PLACE PIPES OR DUCTS EXCEEDING ONE-THIRD THE SLAB OR WALL THICKNESS WITHIN THE SLAB OR WALL UNLESS SPECIFICALLY SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.												
3.15	DO NOT WELD OR TACK WELD REINFORCING STEEL UNLESS APPROVED OR DIRECTED BY THE STRUCTURAL ENGINEER.												
3.16	PROVIDE FOR AN ALLOWANCE OF 1% OF REINFORCING BARS TO BE FABRICATED AND PLACED DURING PROGRESS OF WORK AS MAY BE DIRECTED BY THE STRUCTURAL ENGINEER. IN ADDITION TO ALL THE STEEL INDICATED ON THE DRAWINGS, CREDIT ANY UNUSED QUANTITY AT THE END OF THE PROJECT TO THE OWNER.												

4.00 STRUCTURAL STEEL, STEEL JOISTS AND STEEL DECK:	
4.01	STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED ACCORDING TO AISC 341-16 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
4.02	SUBMIT SHOP DRAWINGS PREPARED IN ACCORDANCE WITH AISC MANUAL "DETAILING FOR STEEL CONSTRUCTION", CURRENT EDITION. DO NOT BEGIN FABRICATION UNTIL SHOP DRAWINGS ARE COMPLETED AND REVIEWED.
4.03	USE PREQUALIFIED WELDED JOINTS AS PER ANSI/AWS D11, 2020 "STRUCTURAL WELDING CODE-STEEL". USE ONLY CERTIFIED WELDERS, MINIMUM E70XX ELECTRODES UNLESS NOTED OTHERWISE.
4.04	DO NOT USE GAS CUTTING TORCHES FOR CORRECTING FABRICATION ERRORS IN THE STRUCTURAL FRAMING.
4.05	FABRICATION AND ERECTION OF STEEL DECKING SHALL CONFORM TO THE LATEST EDITION OF THE STEEL DECK INSTITUTE DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS AS APPLICABLE TO THE PROJECT, AND ALL OSHA REQUIREMENTS.
4.06	STEEL DECK MATERIAL SHALL CONFORM TO ASTM A653-91a STRUCTURAL QUALITY, GRADE 33. SEE ARCHITECTURAL DRAWINGS FOR PAINT AT METAL DECK. GALVANIZING SHALL CONFORM TO ASTM A924-04 WITH A MINIMUM COATING CLASS OF G60 AS DEFINED IN A653-04a.
4.07	SEE PLANS FOR METAL DECKING SIZE & GAUGE.
4.08	SEE PLANS FOR ANCHORAGE OF METAL DECK TO SUPPORTING STRUCTURE.
4.09	PROVIDE DECKING CONTINUOUS OVER 2 SPANS MINIMUM WHERE SUPPORTING STRUCTURE PERMITS.
4.10	STEEL DECKING SHALL BE ERECTED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

4.00 STRUCTURAL STEEL, STEEL JOISTS AND STEEL DECK, CONT'D:	
4.11	DESIGN, FABRICATION, AND ERECTION OF OPEN WEB STEEL JOISTS SHALL CONFORM TO THE SJI 100-15 STANDARD SPECIFICATION FOR OPEN WEB STEEL JOISTS, K-SERIES.
4.12	PLACE JOIST BRACING AND BRIDGING AS REQUIRED FOR ERECTION STABILITY AND UPLIFT PER STEEL JOIST INSTITUTE SPECIFICATIONS & OSHA REQUIREMENTS. BRIDGING & BRACING MATERIAL SHALL BE PROVIDED BY JOIST MANUFACTURER.
4.13	STEEL JOISTS SHALL BE SHOP PAINTED WITH ONE COAT OF STANDARD GRAY PRIMER CONFORMING TO SJI SPECIFICATIONS. ASPHALTIC PAINTS ARE NOT ACCEPTABLE.
4.14	GENERAL CONTRACTOR SHALL COORDINATE AND VERIFY ALL STRUCTURAL STEEL JOIST LOCATIONS, MECHANICAL UNIT LOCATIONS AND ACTUAL WEIGHTS, AND DECK OPENINGS WITH MECHANICAL CONTRACTOR AND MANUFACTURER'S DETAIL DRAWINGS WITH ACTUAL UNITS SELECTED.
4.15	ALL STRUCTURAL WELDED JOINTS SHALL CONFORM TO THE PROVISIONS OF AWS D11-10, STRUCTURAL WELDING CODE BY AMERICAN WELDING SOCIETY. WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION.
5.00 MASONRY:	
5.01	CONCRETE MASONRY DESIGN AND CONSTRUCTION SHALL CONFORM TO: <ul style="list-style-type: none"> • BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES ACI 530-08/ASCE 5-08/MS 402-08. • SPECIFICATIONS FOR CONCRETE MASONRY CONSTRUCTION ACI 530.1-08/ASCE 6-08/MS 602-08.
5.02	PROVIDE LIGHTWEIGHT, HOLLOW, LOAD-BEARING CONCRETE MASONRY UNITS (CMU) CONFORMING TO ASTM C90, GRADE N, TYPE I, UNLESS NOTED OTHERWISE.
5.03	PROVIDE CONCRETE MASONRY WITH MINIMUM COMPRESSIVE STRENGTH, f'm = 1500 PSI, CORRESPONDING TO UNIT STRENGTH OF 2,000 PSI ON NET CROSS-SECTIONAL AREA OF CMU DETERMINED IN ACCORDANCE WITH ASTM C140.
5.04	PROVIDE TYPE "S" MORTAR IN ACCORDANCE WITH ASTM C270, UNLESS NOTED OTHERWISE. MORTAR BED JOINTS SHALL NOT EXCEED 5/8 IN. THICKNESS.
5.05	PROVIDE GROUT FOR REINFORCED MASONRY IN ACCORDANCE WITH ASTM C676 WITH MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI UNLESS NOTED OTHERWISE.
5.06	PROVIDE HORIZONTAL JOINT REINFORCEMENT COMPLYING WITH ASTM A82, NO. 9 GAUGE OR HEAVIER, ZINC COATED, PLACED 16 INCHES ON CENTER UNLESS NOTED OTHERWISE.
5.07	PROVIDE MINIMUM 1 #5 VERTICAL, GROUTED FULL HEIGHT, AT EACH SIDE OF OPENINGS AND WALL ENDS, AND WHERE OTHERWISE NOTED ON DRAWINGS.
5.08	LAY MASONRY UNITS IN RUNNING BOND UNLESS NOTED OTHERWISE.
6.00 WOOD FRAMING	
6.01	WOOD FRAMING CONNECTIONS SHALL BE MADE WITH SIMPSON JOIST HANGERS, UNLESS NOTED OTHERWISE.
6.02	ALL WOOD FRAMING MEMBERS SHALL BE No. 2 SYP, UNO.
6.03	ALL LUMBER IN CONTACT WITH GROUND, CONCRETE, OR EXPOSED TO WEATHER OR MOISTURE SHALL BE PRESSURE TREATED. ALL METAL, INCLUDING FASTENERS, EXPOSED TO WEATHER OR MOISTURE OR IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE STAINLESS STEEL, HOT-DIPPED GALVANIZED (MIN. G185) OR OTHERWISE PROTECTED AGAINST CORROSION.
6.04	PLANS SHOW NOMINAL BEAM SIZES, UNLESS NOTED OTHERWISE. BEAMS MAY BE SOLID ONE PIECE MATERIAL OR MAY BE BUILT-UP FROM MULTIPLE PLYS OF THE SPECIFIED DEPTH TO ACHIEVE THE REQUIRED WIDTH (EXAMPLE: 4x12 CAN BE ONE SOLID PIECE OR MAY CONSIST OF A DOUBLE 2x12), SUBJECT TO ARCHITECT'S APPROVAL.
6.05	ALL FASTENING NOT SHOWN SHALL CONFORM TO TABLE 2304.3.1 OF THE IBC.

1.00 BRICK FACADE	
1.01	PROVIDE VENEER ANCHORS, ATTACHED TO EXTERIOR CMU WALL AT 16" ON CENTER EACH WAY, WHERE BRICK OR STONE VENEER OCCURS. ANCHORS SHALL BE GALVANIZED AND OF MATERIAL THAT IS AT LEAST 18 GAUGE.
1.02	WHERE BRICK FACADE OCCURS OVER AN OPENING, PROVIDE A LOOSE STEEL LINTEL AS INDICATED IN DETAIL 6/5201.

**SENOIA WATER PLANT
ADDITION
740 ROCKAWAY ROAD
SENOIA, GA 30276**



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NO.	DATE	NOTE

ISSUE/DATE:

CD SET
11/14/23

PROJECT NO:

2023-08

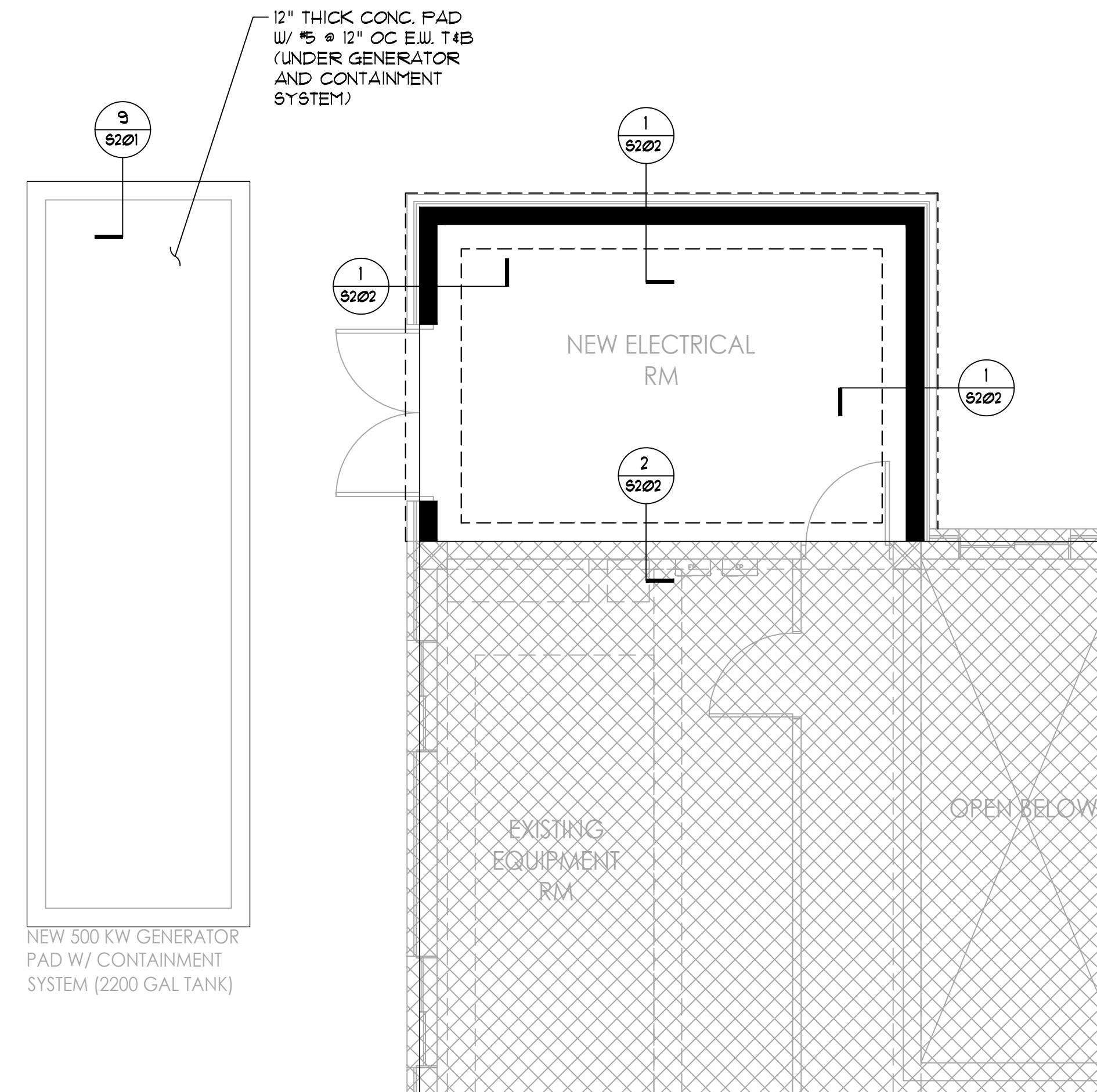
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PLANS

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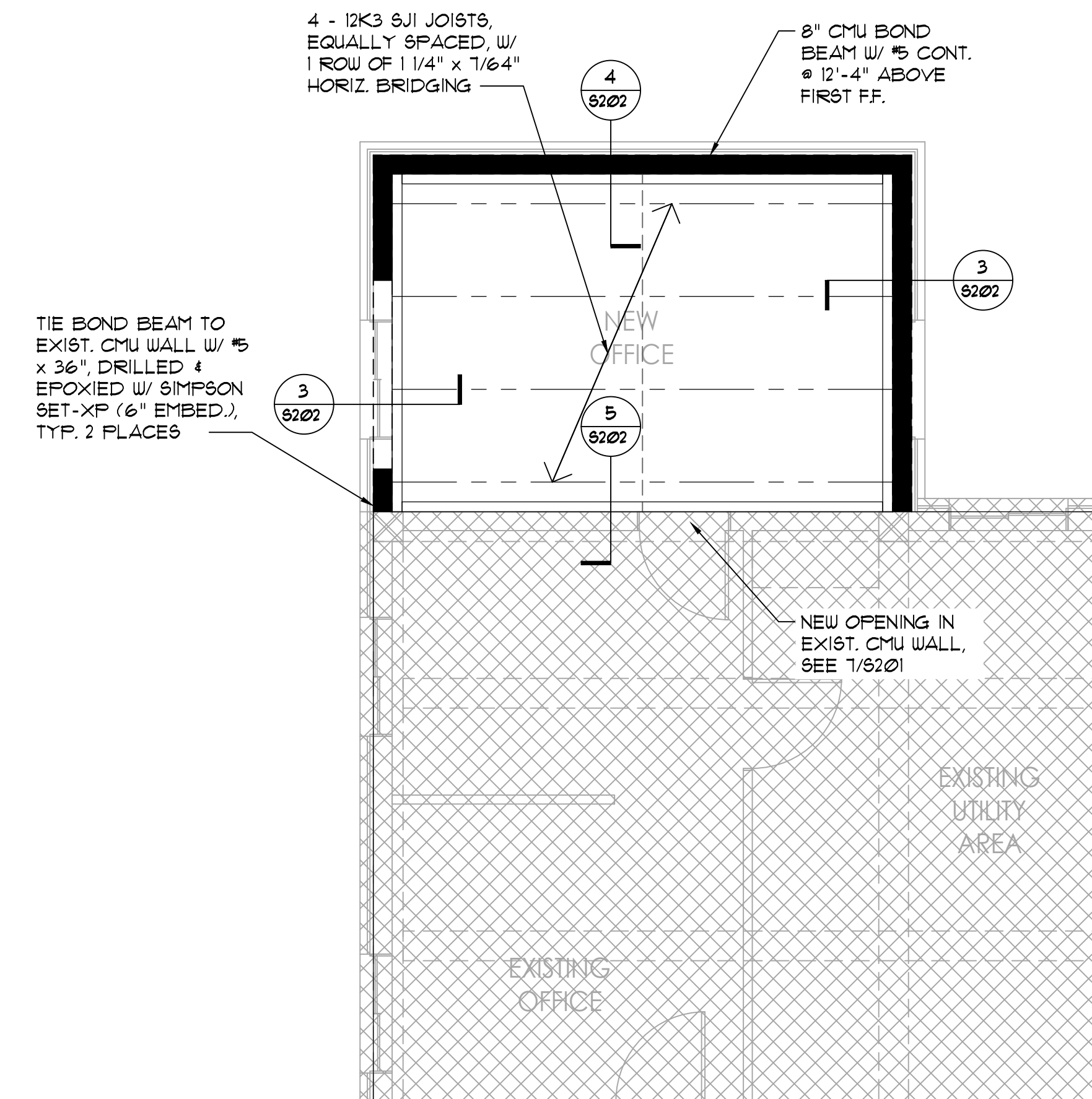
S101

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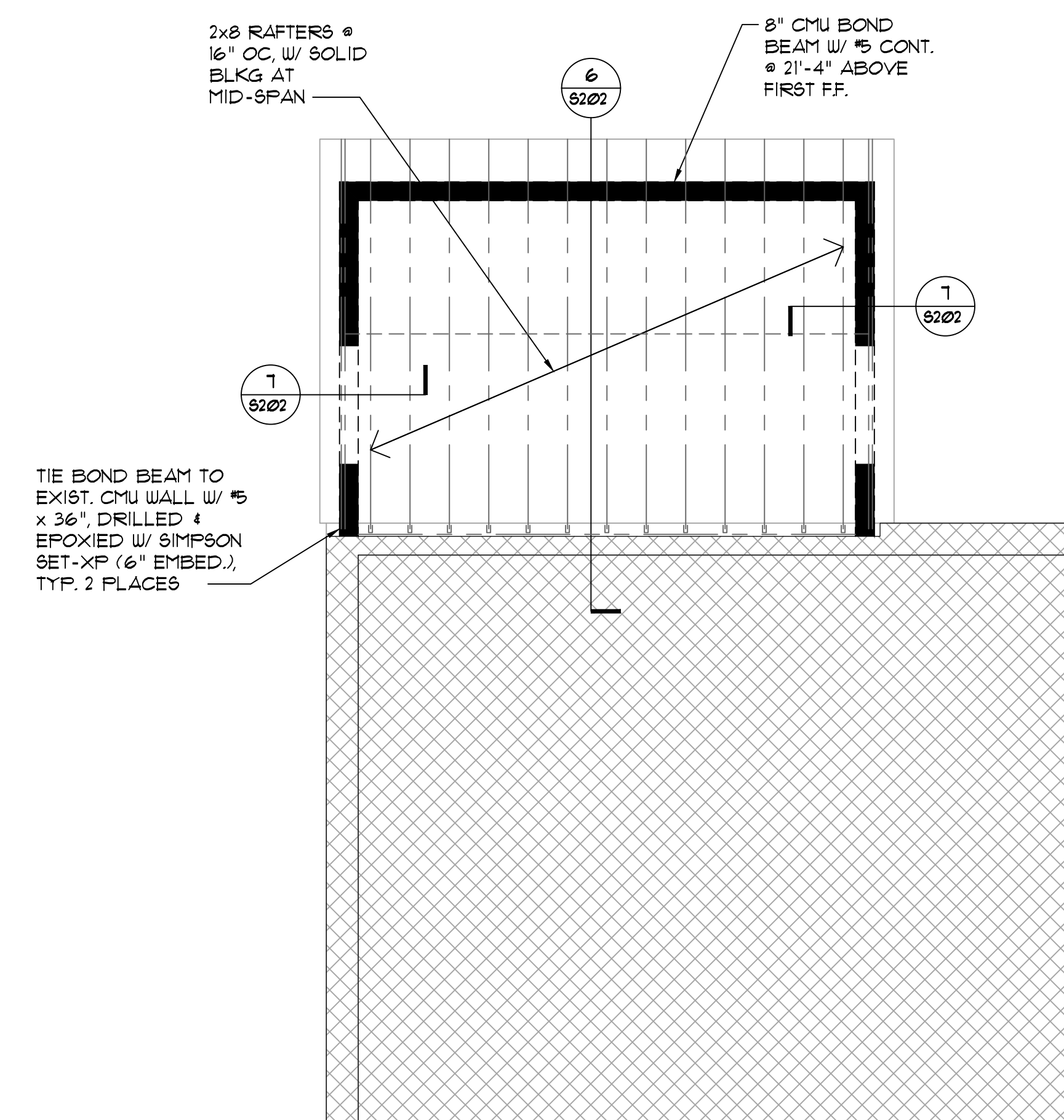
1 PLAN
SCALE: 1/4" = 1'-0"
FIRST FLOOR/FOUNDATION

- FOUNDATION PLAN NOTES:**
- S.A.D. FOR DIMENSIONS, ELEVATIONS, SLOPES, AND DRAINS.
 - SLAB ON GRADE IS 4" THICK W/ 6x6-1/2, 3x1/2, 3 WUF ON COMPACTED SUBGRADE. S.A.D. FOR VAPOR BARRIER REQUIREMENTS.
 - SEE SECTION 2 OF GENERAL NOTES SHEET S-001 FOR ADDITIONAL SLAB ON GROUND AND FOUNDATION INFORMATION.
 - PROVIDE SLAB REINFORCING AT CORNERS AS INDICATED IN DETAIL 2/S201.
 - INDICATES EXTERIOR/LOAD BEARING 8" CMU WALL, REINFORCED W/ #5 @ 24" OC MAX. SEE DETAIL 4/S201 FOR TYP. INFORMATION.



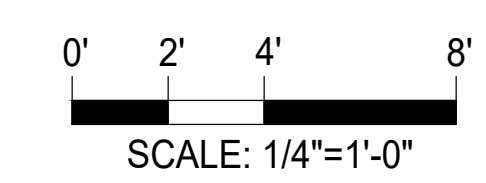
2 PLAN
SCALE: 1/4" = 1'-0"
SECOND FLOOR

- FLOOR FRAMING PLAN NOTES:**
- S.A.D. FOR DIMENSIONS, ELEVATIONS, SLOPES, AND DRAINS.
 - SECOND FLOOR FRAMING SHALL BE 4" NORMAL WEIGHT CONCRETE TOPPING W/ 6x6-1/2, 3x1/2, 3 ON 1 1/2", 22 GA METAL DECK ON BAR JOISTS, SIZE AND SPACING AS INDICATED ON PLAN. ATTACH METAL DECKING TO JOIST FRAMING W/ 5/8" PUDDLE WELDS IN A 36/5 PATTERN. PROVIDE 3 #3 SIDELAP SCREWS, TYP.
 - INDICATES EXTERIOR/LOAD BEARING 8" CMU WALL, REINFORCED W/ #5 @ 24" OC MAX. SEE DETAIL 4/S201 FOR TYP. INFORMATION.
 - INDICATES 8" CMU LINTEL OVER WINDOW/DOOR BELOW. SEE DETAIL 5/S201 FOR TYP. CMU OPENING INFO.



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

- ROOF FRAMING PLAN NOTES:**
- S.A.D. FOR DIMENSIONS, ELEVATIONS, SLOPES, AND DRAINS.
 - ROOF FRAMING SHALL BE MIN 15/32" PLYWD/OSB ON WOOD FRAMING AS INDICATED ON PLAN.
 - SEE DETAIL 8/S201 FOR ROOF SHEATHING ATTACHMENT REQUIREMENTS.
 - INDICATES EXTERIOR/LOAD BEARING 8" CMU WALL BELOW, REINFORCED W/ #5 @ 24" OC MAX. SEE DETAIL 4/S201 FOR TYP. INFORMATION.
 - INDICATES 8" CMU LINTEL OVER WINDOW/DOOR BELOW. SEE DETAIL 5/S201 FOR TYP. CMU OPENING INFO.



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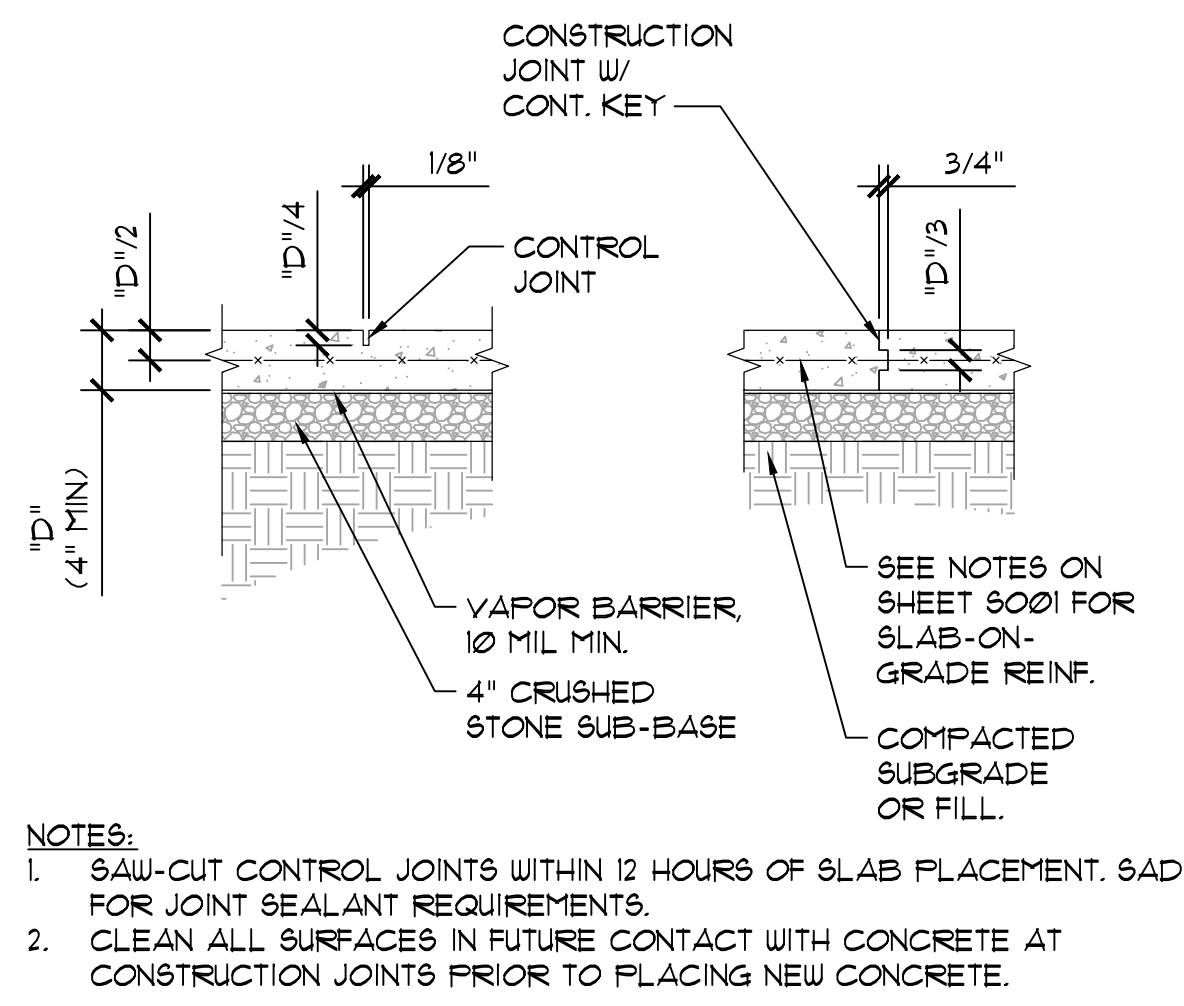
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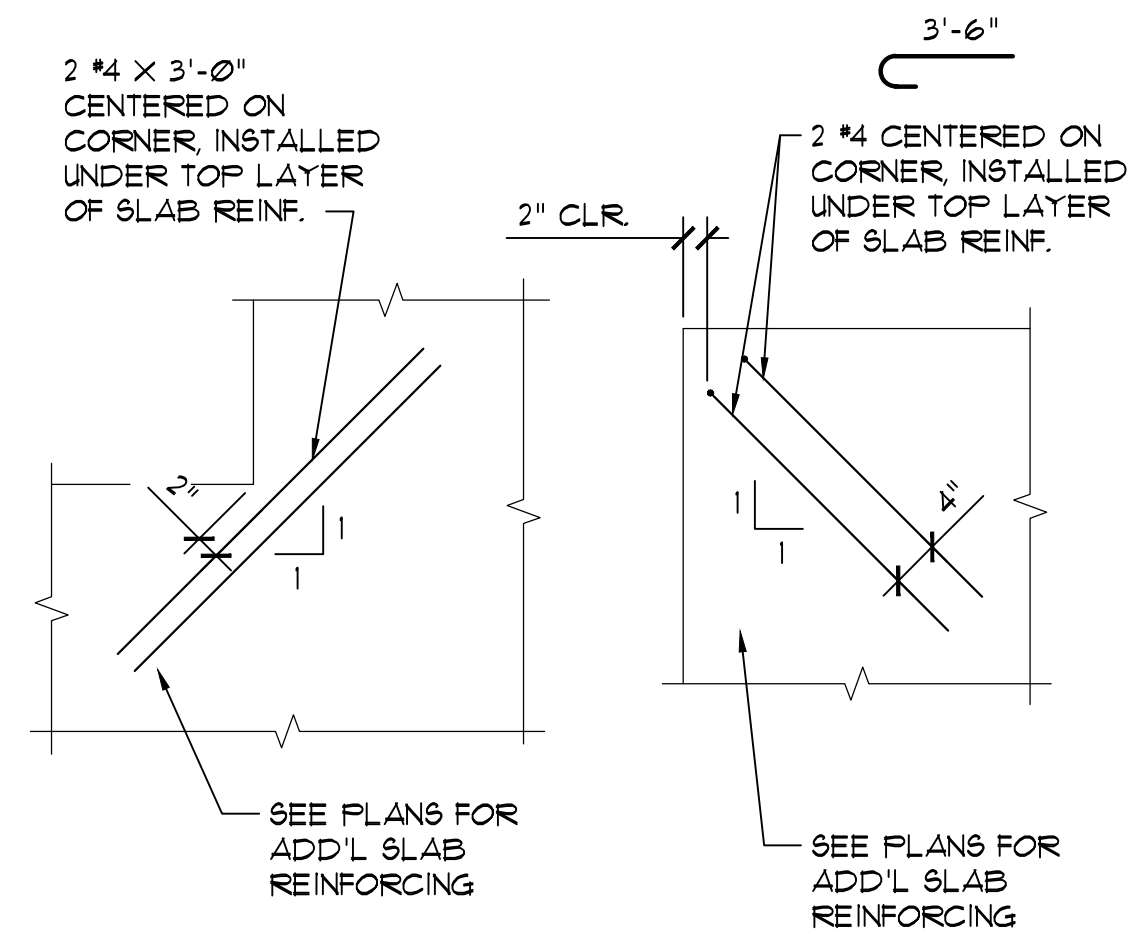
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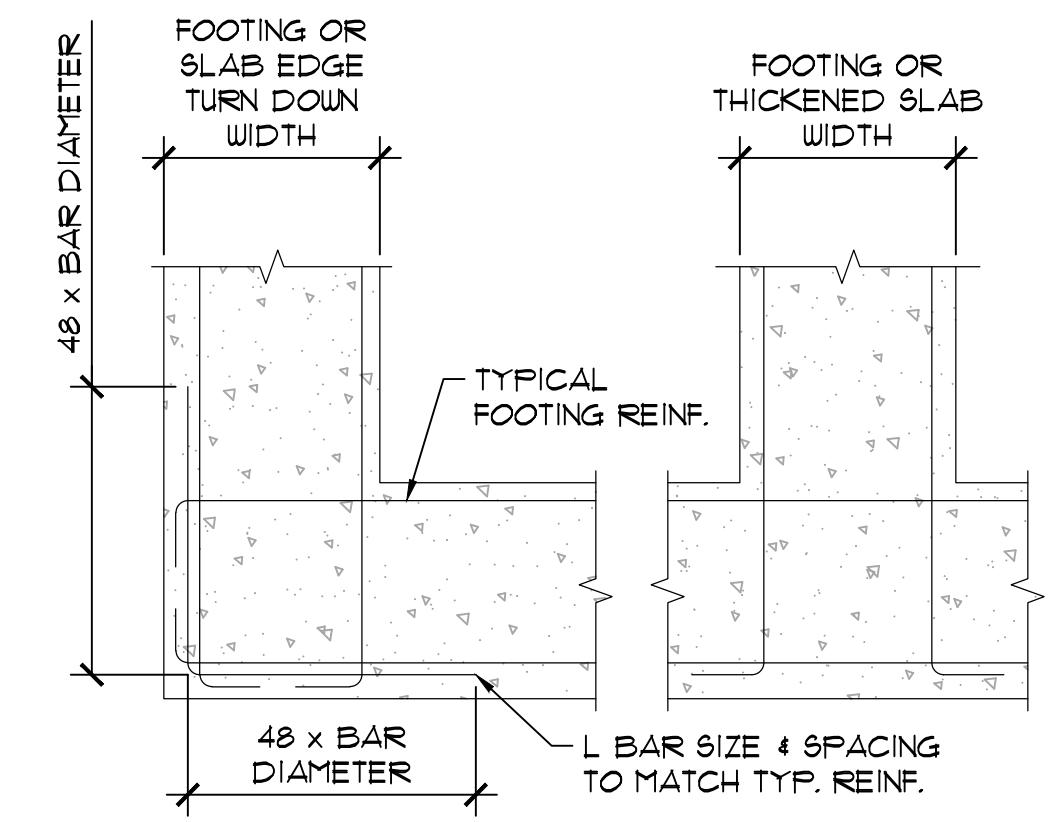
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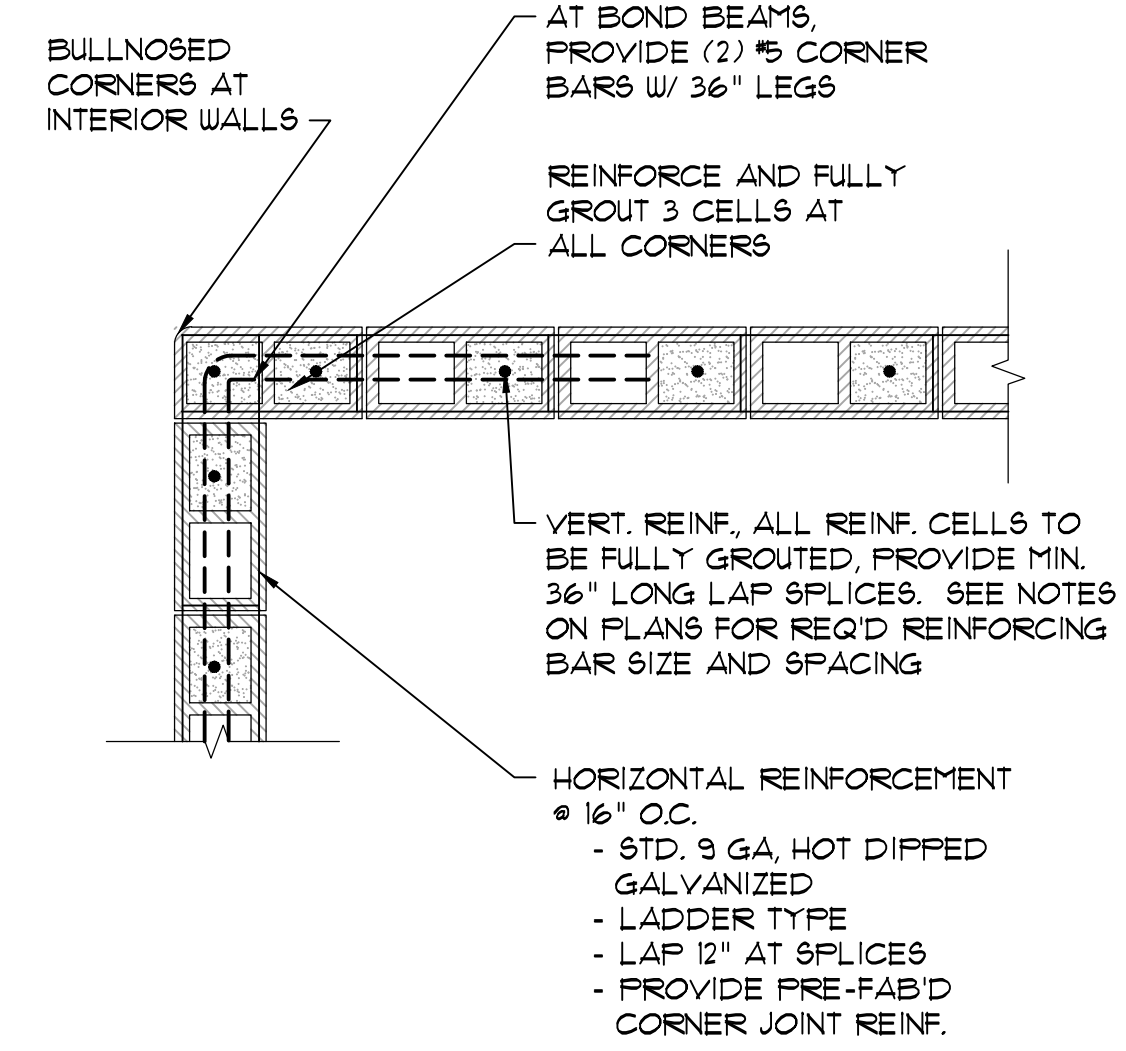
1 DETAIL TYPICAL SLAB ON GRADE CONTROL & CONSTRUCTION JOINT
SCALE: 3/4" = 1'-0"



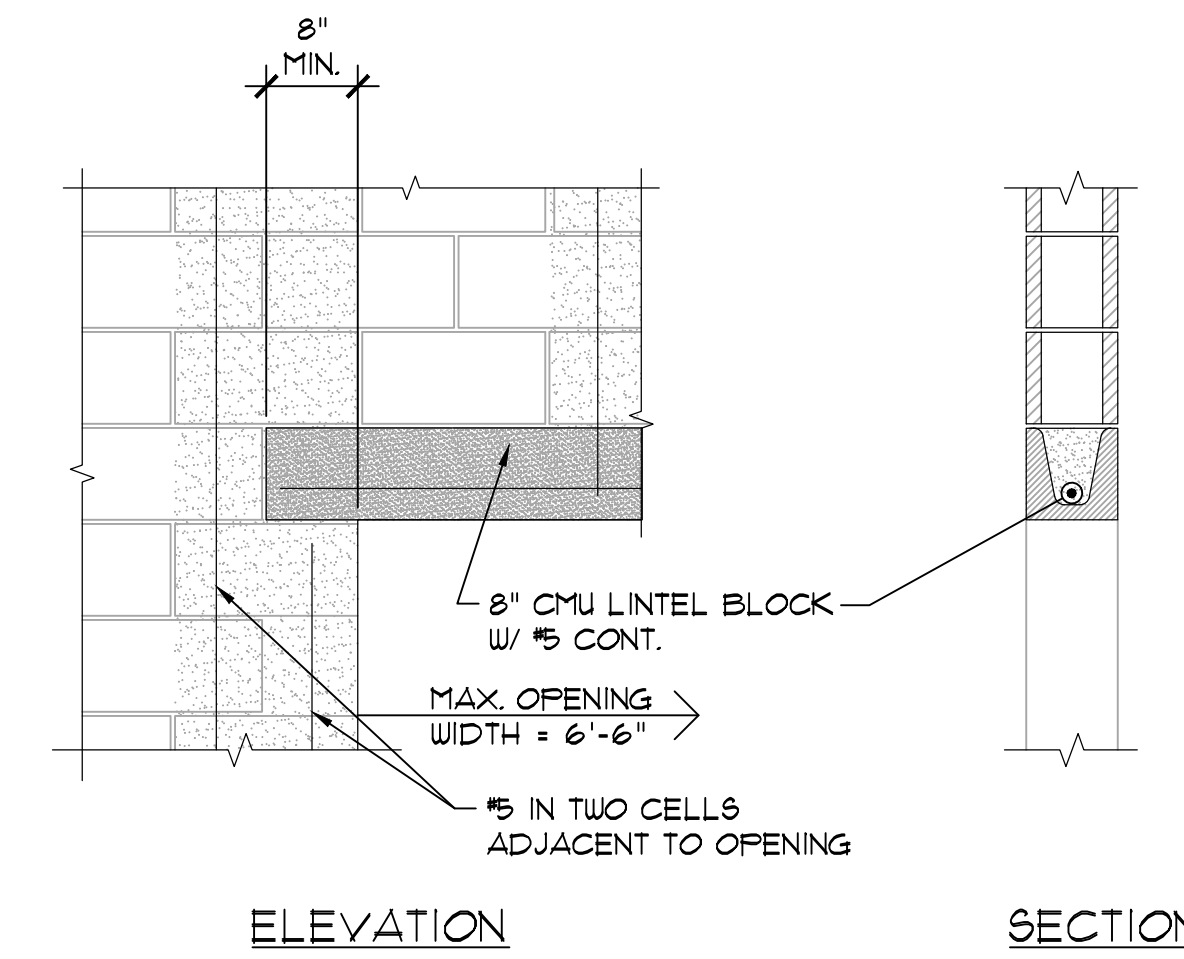
2 DETAIL ADD'L REINFORCING AT SLAB CORNERS
SCALE: NONE



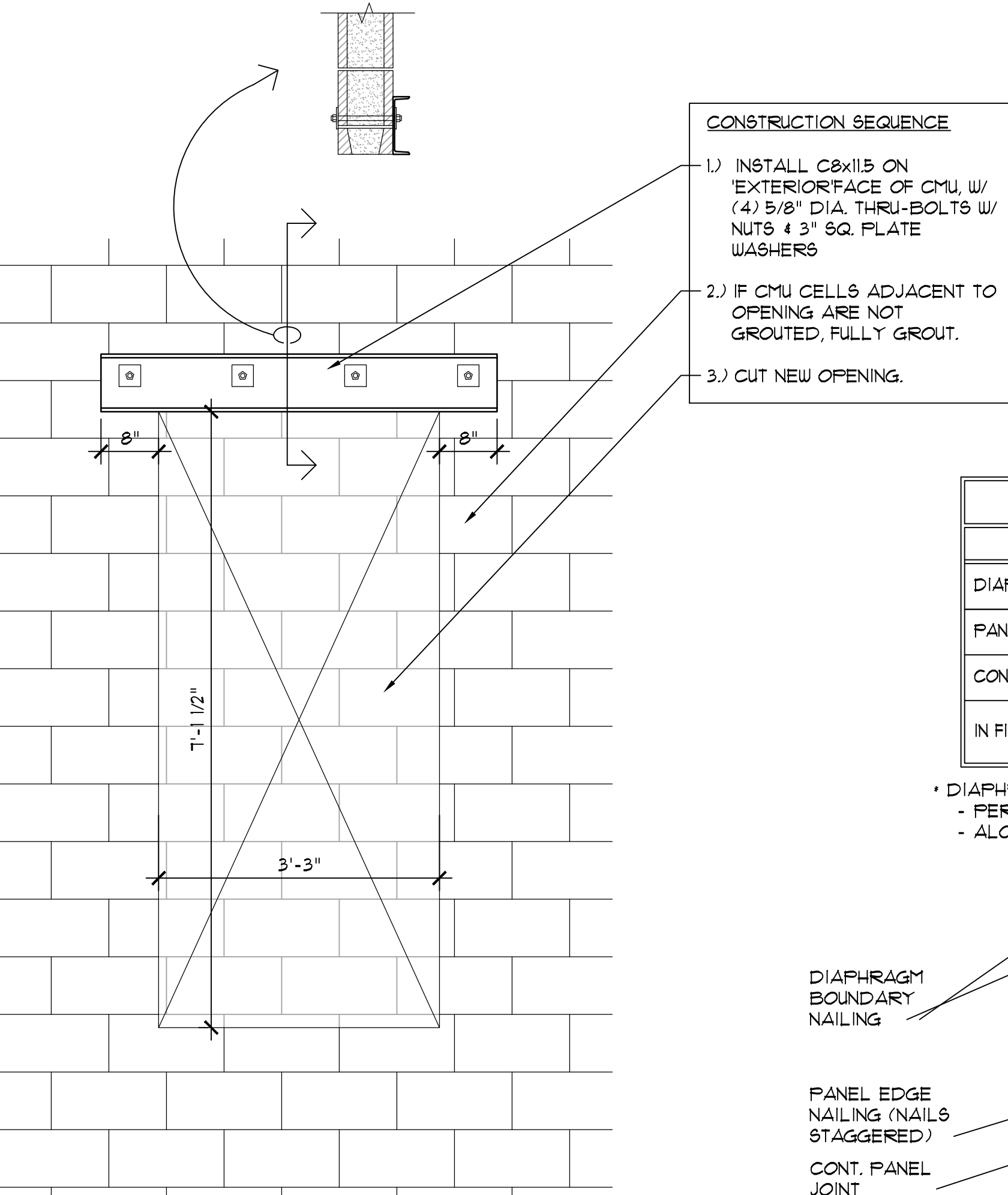
3 PLAN DETAIL FOOTING INTERSECTION REINFORCING LAP
SCALE: 3/4" = 1'-0"



4 DETAIL CMU REINFORCING
SCALE: 3/4" = 1'-0"



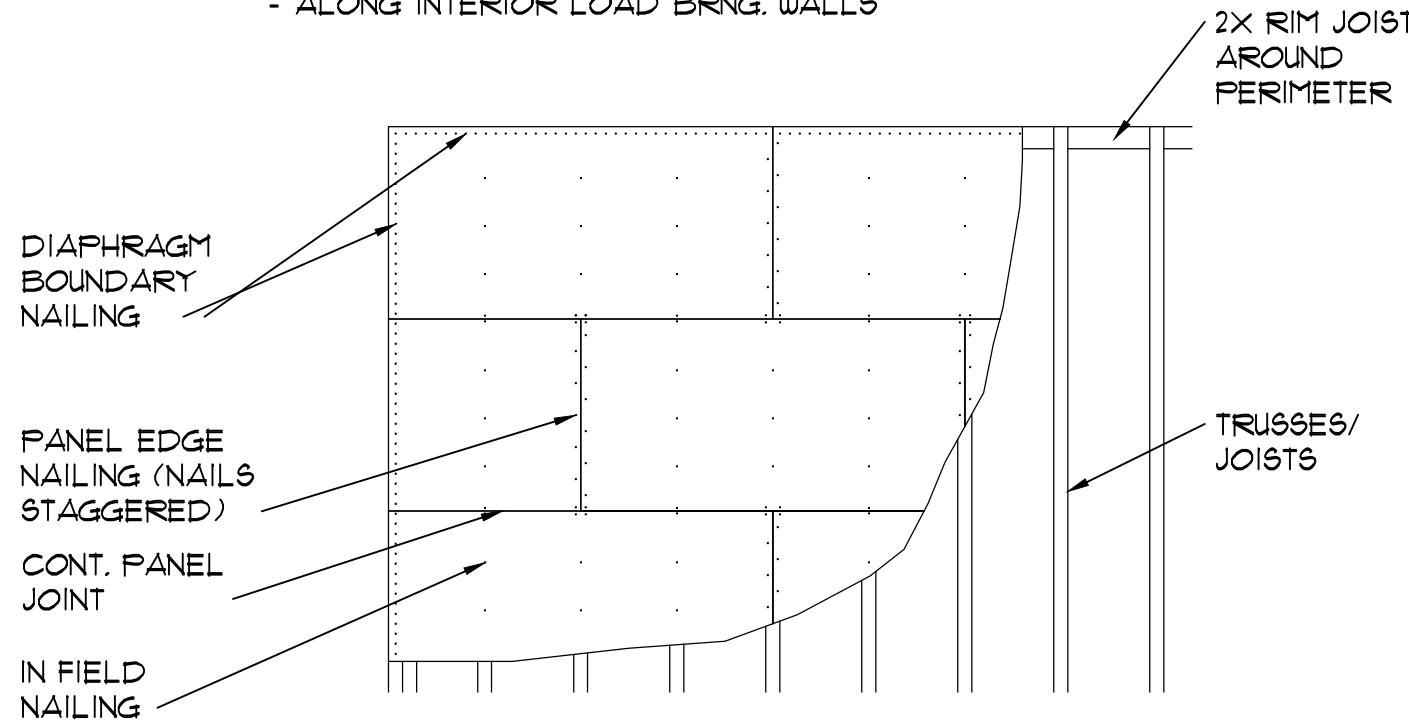
5 DETAIL CMU REINFORCING AT OPENINGS NOT WIDER THAN 6'-6"
SCALE: 3/4" = 1'-0"



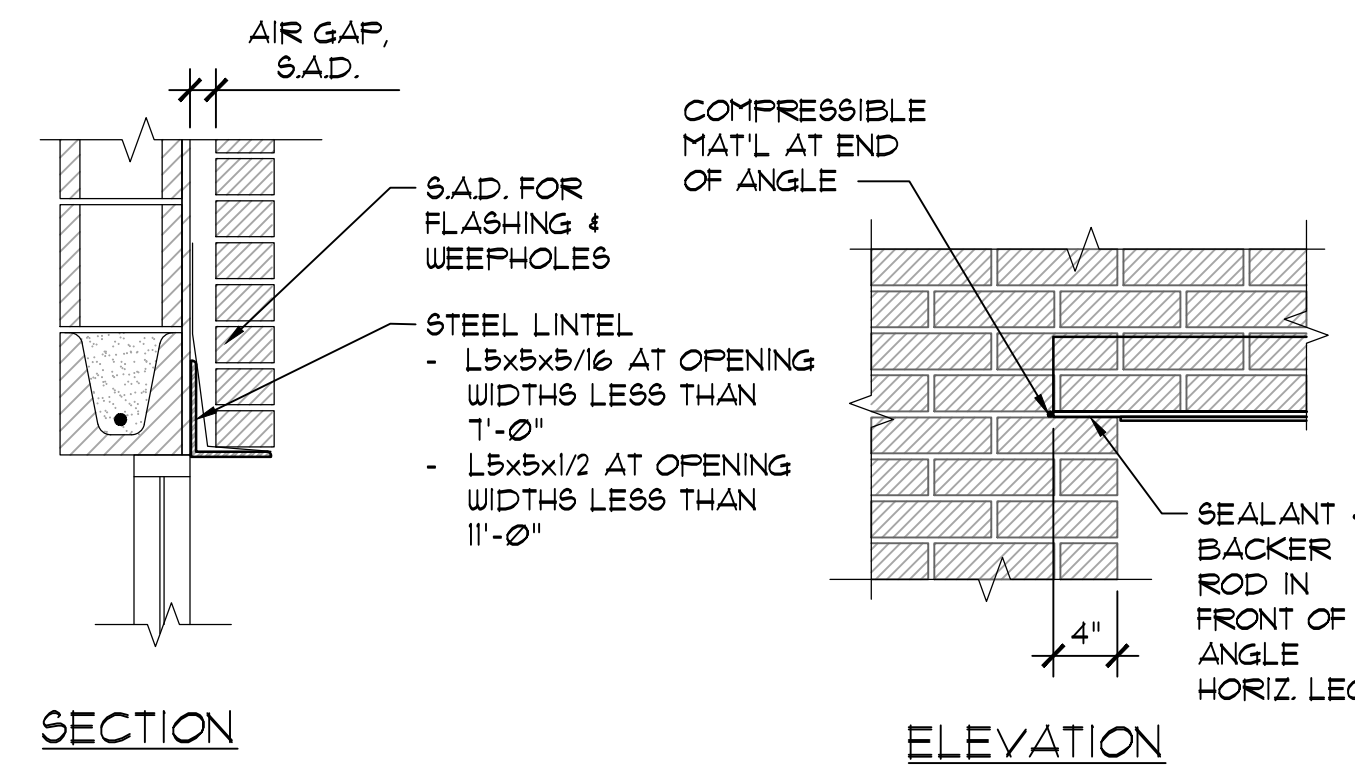
7 DETAIL NEW OPENING IN EXIST. CMU WALL
SCALE: 3/4" = 1'-0"

NAILING SCHEDULE	
LOCATION	ROOF
DIAPHRAGM BOUNDARY*	8d COMMON @ 6" o.c.
PANEL EDGES	8d COMMON @ 6" o.c.
CONT. PANEL JOINT	8d COMMON @ EA TRUSS
IN FIELD	PARALLEL TO TRUSSES - 8d @ 12" o.c. PERP. TO TRUSSES - 8d @ EA TRUSS

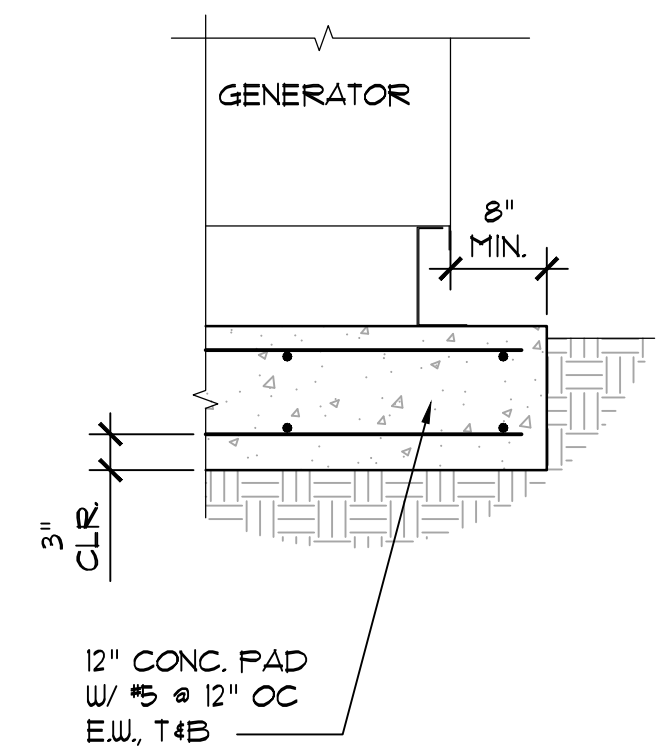
* DIAPHRAGM BOUNDARY LOCATIONS INCLUDE THE FOLLOWING:
- PERIMETER OF THE BUILDING
- ALONG INTERIOR LOAD BRNG. WALLS



8 DETAIL ROOF SHEATHING ATTACHMENT
SCALE: NONE



6 DETAIL BRICK FACADE LOOSE LINTELS
SCALE: NOT TO SCALE



9 SECTION AT GENERATOR PAD
SCALE: 3/4" = 1'-0"

REVISIONS		
NO.	DATE	NOTE

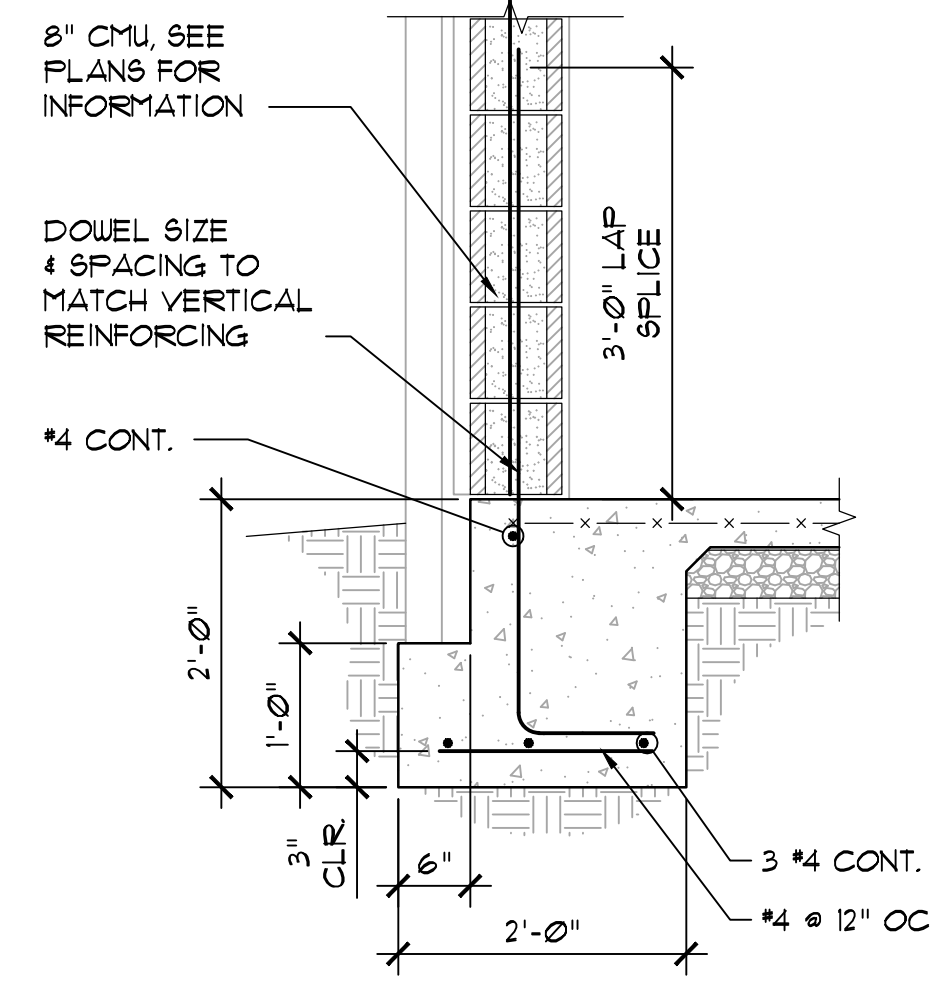
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2023-08

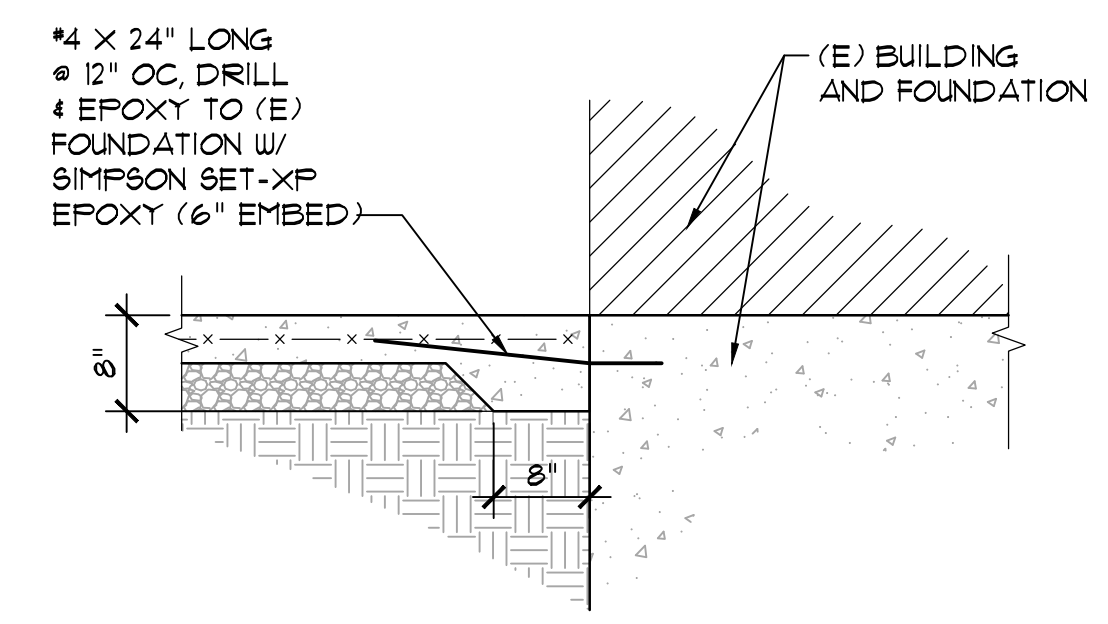
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SECTIONS

SHEET NO:
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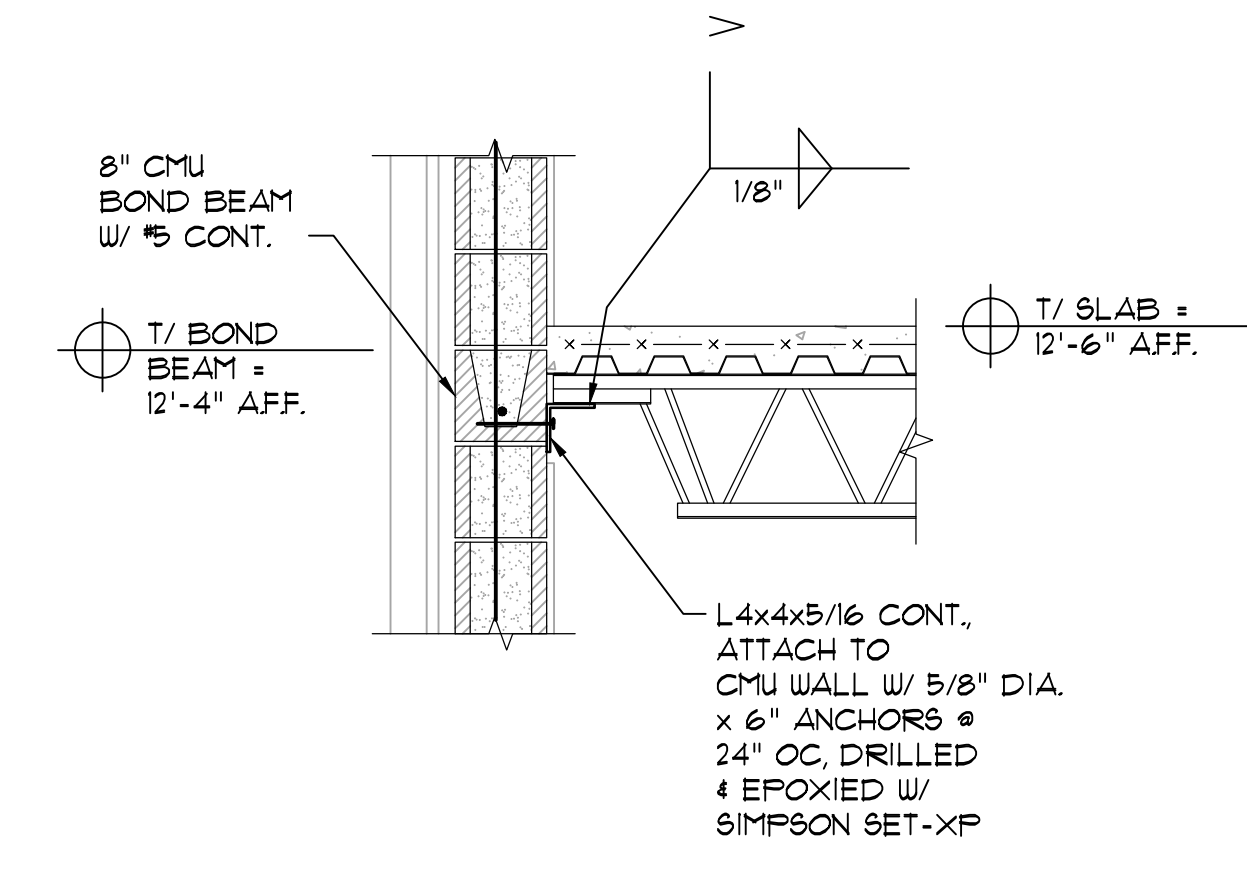
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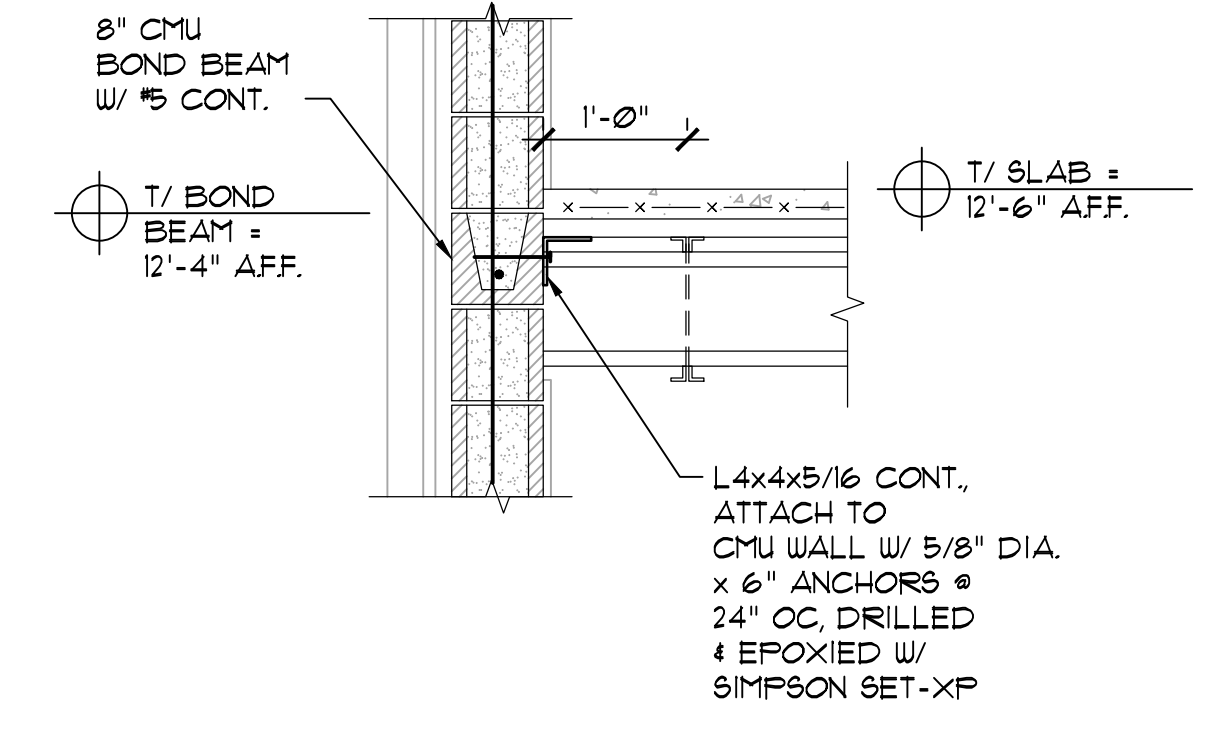
1 SECTION
SCALE: 3/4" = 1'-0"
FOUNDATION AT EXTERIOR WALL



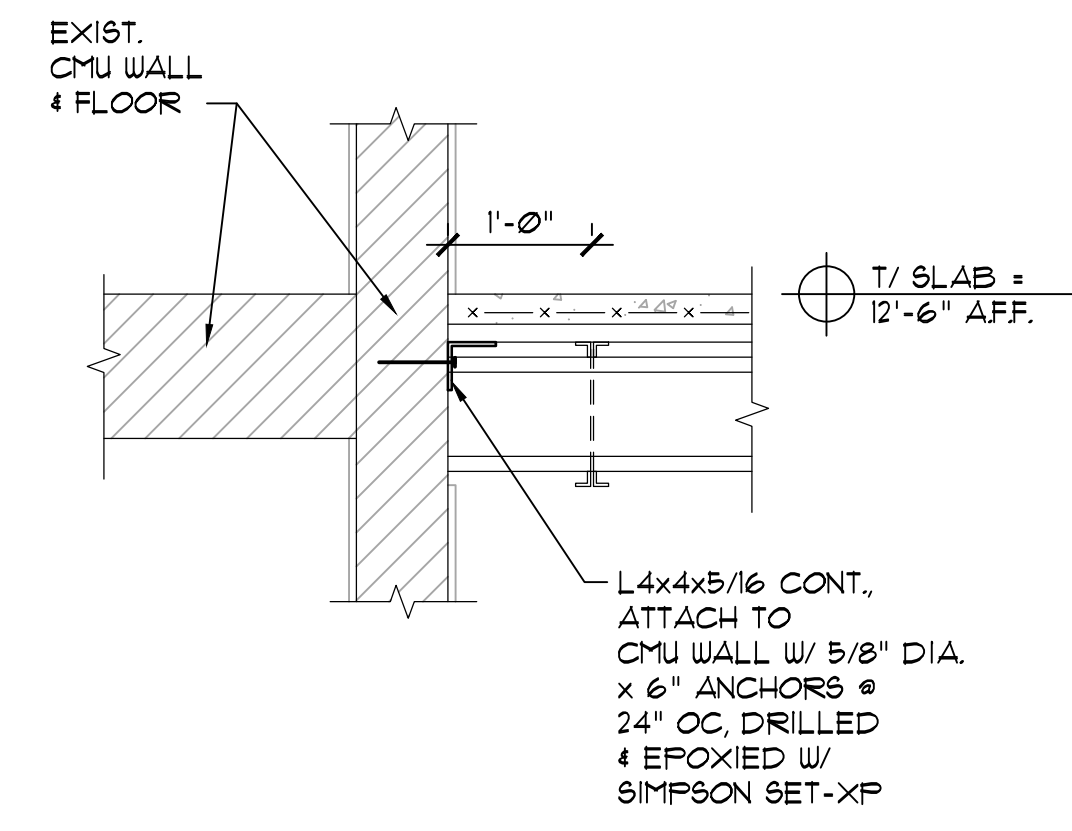
2 SECTION
SCALE: 3/4" = 1'-0"
FOUNDATION AT EXISTING WALL



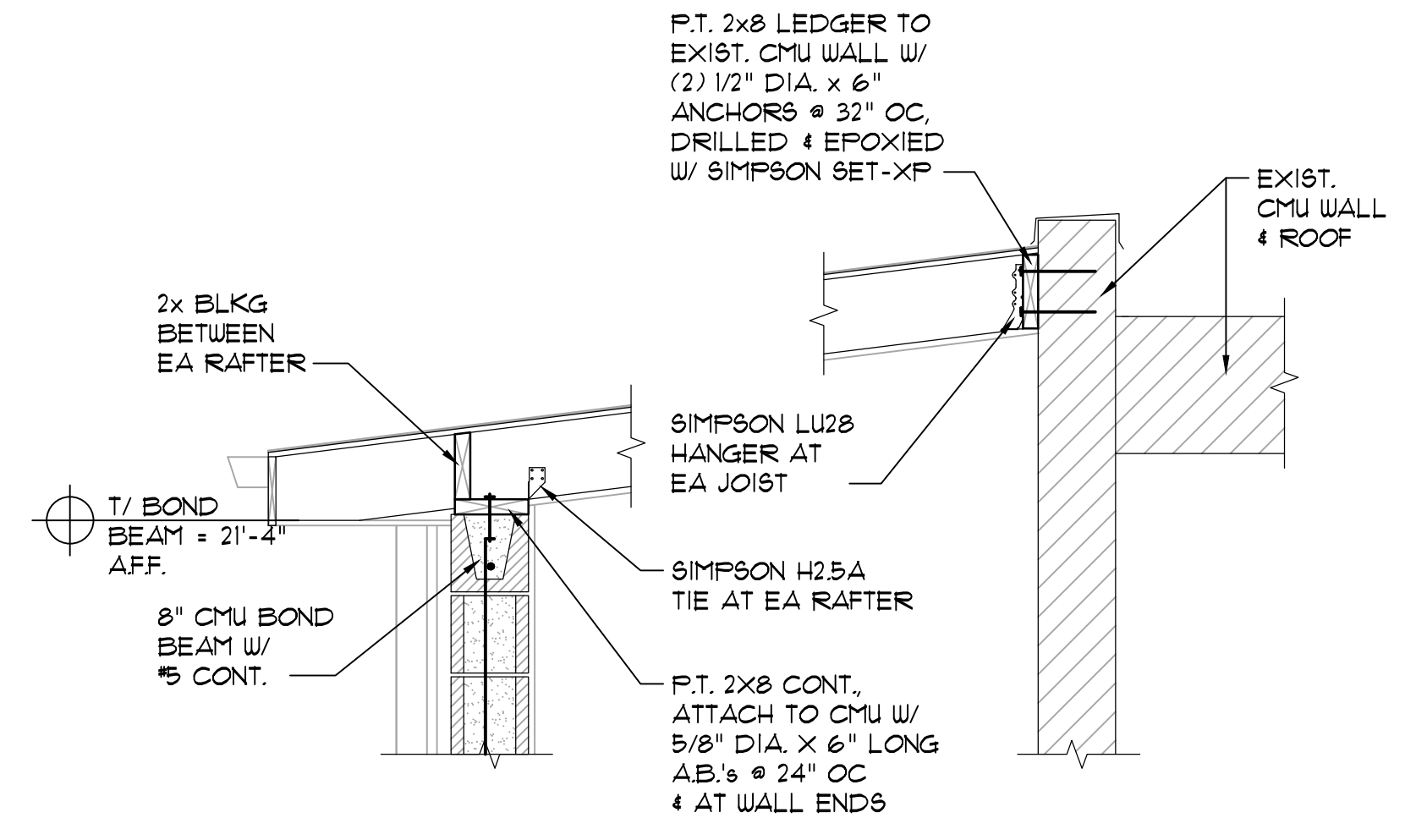
3 SECTION
SCALE: 3/4" = 1'-0"
SECOND FLOOR FRAMING AT EXTERIOR WALL



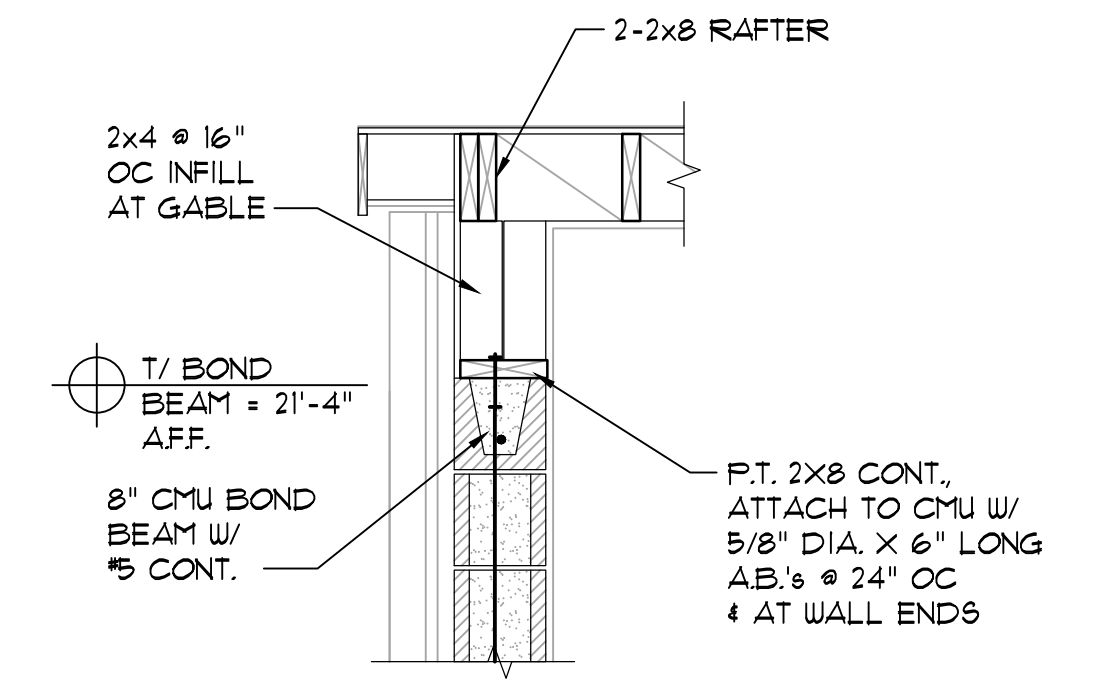
4 SECTION
SCALE: 3/4" = 1'-0"
SECOND FLOOR FRAMING AT EXTERIOR WALL



5 SECTION
SCALE: 3/4" = 1'-0"
SECOND FLOOR FRAMING AT EXISTING WALL



6 SECTION
SCALE: 3/4" = 1'-0"
AT ROOF



7 SECTION
SCALE: 3/4" = 1'-0"
AT ROOF