

745 AURORA AVE.
AURORA, IL 60505

OWNER:	CONSULTANTS:					
CITY OF AURORA 101 N. Lake Street, Aurora, IL, 60506	ARCHITECT: CORDOGAN CLARK & ASSOCIATES, INC 960 RIDGEWAY AVE AURORA, IL 60506 (630) 896-4678 ILLINOIS LICENSE NO. 184.000.595-0007	MEP/ FP: LARSON ENGINEERING, INC. 1488 BOND STREET, SUITE 100 NAPERVILLE, IL 60563-6503 (630) 357-0540 ILLINOIS LICENSE NO.	CONSULTANT TITLE: CONSULTANT NAME ADDRESS CITY STATE, ZIP CODE PHONE NUMBER ILLINOIS LICENSE NO.	CONSULTANT TITLE: CONSULTANT NAME ADDRESS CITY STATE, ZIP CODE PHONE NUMBER ILLINOIS LICENSE NO.	CONSULTANT TITLE: CONSULTANT NAME ADDRESS CITY STATE, ZIP CODE PHONE NUMBER ILLINOIS LICENSE NO.	CONSULTANT TITLE: CONSULTANT NAME ADDRESS CITY STATE, ZIP CODE PHONE NUMBER ILLINOIS LICENSE NO.

PROJECT INFORMATION

PROJECT DESCRIPTION: RE-ROOF & INTERIOR PARTITIONING
 SITE ZONING: B2
 BUILDING SETBACKS: EXISTING TO REMAIN
 PARKING REQUIREMENTS: EXISTING TO REMAIN
 LOT COVERAGE: EXISTING TO REMAIN
 CODE REQUIREMENTS: INTERNATIONAL BUILDING CODE 2015
 INTERNATIONAL EXISTING BUILDING CODE 2015
 INTERNATIONAL PLUMBING CODE 2015
 INTERNATIONAL PLUMBING CODE 2015
 STATE OF ILLINOIS PLUMBING CODE 2014
 INTERNATIONAL FIRE CODE 2015
 NATIONAL ELECTRIC CODE 2014
 INTERNATIONAL FUEL GAS CODE 2015
 INTERNATIONAL ENERGY CONSERVATION CODE 2018
 ILLINOIS ACCESSIBILITY CODE 2018/ ANSI A117.1

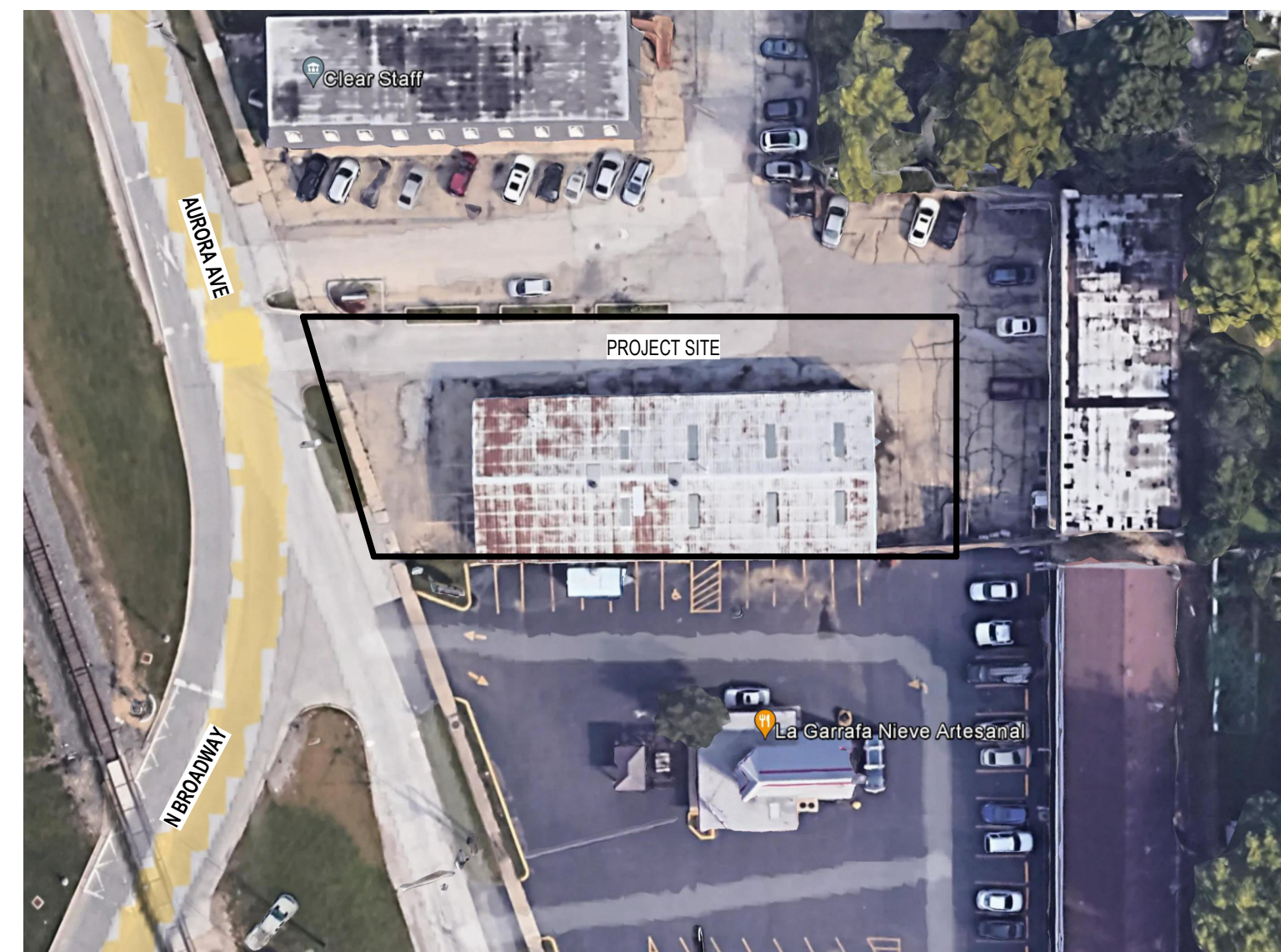
TOTAL RENOVATED AREA: 3,457 SF

OCCUPANCY: STORAGE

CONSTRUCTION TYPE: IIB

FIRE SPRINKLER DESIGN: NON-SPRINKLED

VICINITY MAP



DRAWINGS

SHEET LIST	
Sheet Number	Sheet Name
1 - GENERAL	
G0.00	COVER SHEET
G1.00	GENERAL NOTES, ABBREVIATIONS & SYMBOLS LEGEND
G1.01	LIFE SAFETY PLAN
2 - ARCHITECTURAL	
A0.01	SITE PLAN
A0.02	SITE ELEVATIONS DETAILS
A1.01	DEMOLITION FLOOR PLAN AND RCP
A1.02	DEMOLITION ROOF PLAN
A2.01	FLOOR PLAN AND REFLECTED CEILING PLAN
A2.02	PARTITION TYPES
A4.01	ROOF PLAN AND DETAILS
A5.01	BUILDING ELEVATIONS AND SECTIONS
A7.01	WALL SECTIONS
A7.02	SECTION DETAILS
A8.01	INTERIOR ELEVATIONS
A8.02	INTERIOR ELEVATIONS
A8.03	INTERIOR ELEVATIONS
A9.01	DOOR SCHEDULE AND DETAILS
A10.01	ROOM FINISH SCHEDULE AND PLANS
4 - MECHANICAL	
M0.01	MECHANICAL SPECIFICATIONS
M0.02	MECHANICAL SPECIFICATIONS
M1.0	MECHANICAL PLAN
M2.0	MECHANICAL SCHEDULES
5 - PLUMBING	
P0.00	PLUMBING SYMBOLS & ABBREVIATIONS
P0.01	PLUMBING SPECIFICATIONS
P1.0	PLUMBING WASTE AND VENT PLAN
P2.0	PLUMBING WASTE AND VENT ISOMETRICS
6 - ELECTRICAL	
E0.00	ELECTRICAL SYMBOLS & ABBREVIATIONS

SHEET LIST	
Sheet Number	Sheet Name
E0.01	ELECTRICAL SPECIFICATIONS
E0.02	ELECTRICAL SPECIFICATIONS
E1.00	ELECTRICAL POWER PLAN
E2.00	ELECTRICAL LIGHTING PLAN
E3.00	ELECTRICAL SCHEDULES

STATEMENT OF COMPLIANCE

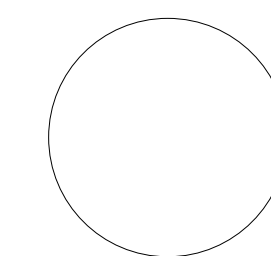
"I have prepared, or caused to be prepared under my direct supervision, the attached plans and specifications and state that, to the best of my knowledge and belief and to the extent of my contractual obligation, they are in compliance with the Environmental Barriers Act (410 ILCS 25) and the Illinois Accessibility Code (71 Ill. Adm. Code 400)."

ILLINOIS DESIGN FIRM'S REGISTRATION NO.: 184.000.595-0007

Signed: _____

ILLINOIS REGISTRATION NO.: _____

DATE: XXX.XXXXX



SEAL

"I hereby certify these drawings have been prepared under my direct supervision and to the best of my knowledge comply with all applicable codes of Aurora, IL."

BID SET

PROJECT NO: 231077
DATE: MARCH 2024

CONCRETE

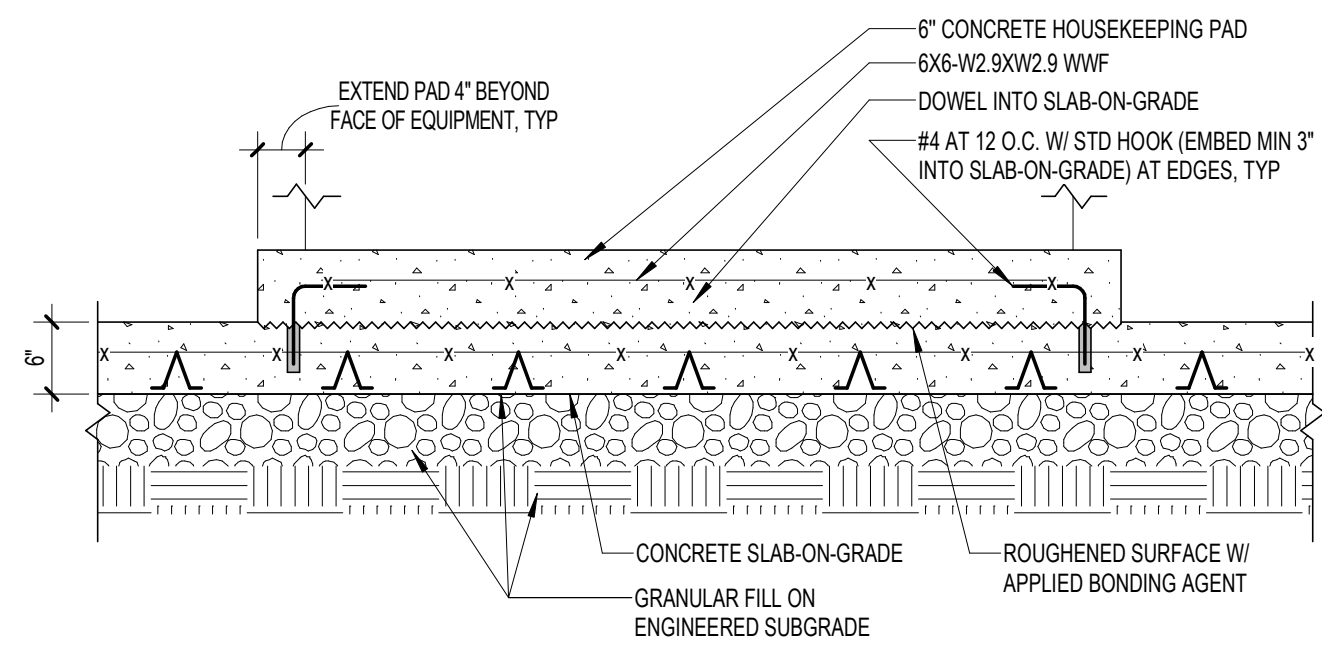
- ALL CONCRETE WORK SHALL CONFORM TO THE APPLICABLE EDITION OF ACI 301 AND ACI 318
- CAST-IN-PLACE CONCRETE SHALL HAVE SAND AND GRAVEL OR CRUSHED STONE AGGREGATES WITH MAX. W/C RATIO OF 0.45 TO 0.50. CONCRETE SHALL BE THE FOLLOWING TYPES AND MIN. 28-DAY COMPRESSIVE STRENGTHS UNLESS NOTED OTHERWISE:

FOOTINGS, FOUNDATION WALLS, WALLS	NORMAL WEIGHT	4,000 PSI
SLAB-ON-GRADE	NORMAL WEIGHT	3,500 PSI
OTHER	NORMAL WEIGHT	4,000 PSI

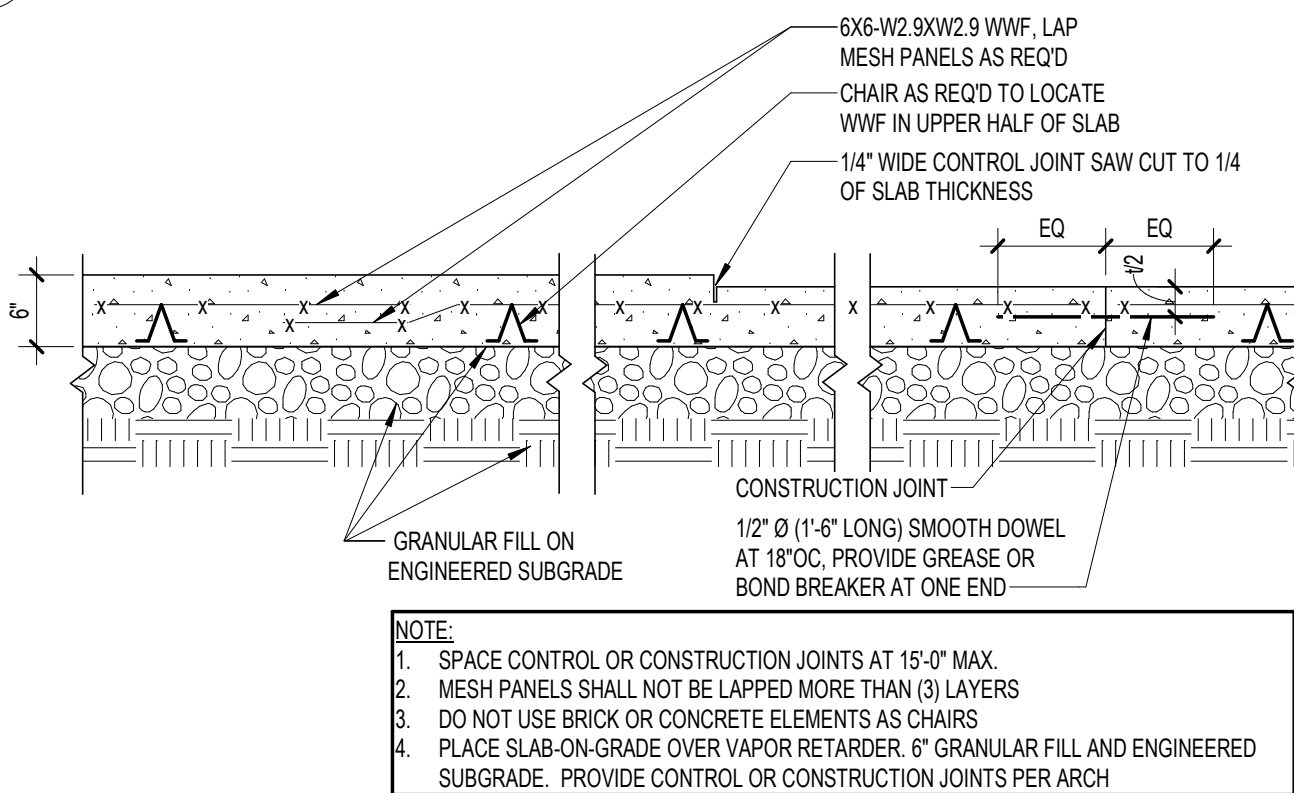
ALL CONCRETE SUBJECT TO EXTERIOR EXPOSURE SHALL BE 4.5% TO 7.5% AIR-ENTRAINED (3% FOR TROWEL-FINISHED SURFACE)
- CONCRETE PROTECTION FOR STEEL REINFORCEMENT SHALL BE AS INDICATED BELOW UNLESS NOTED OTHERWISE:

CONCRETE CAST AGAINST EARTH WITHOUT FORM	3"	
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER	2"	
SLAB-ON-GRADE	1 1/2"	TOP
INTERIOR WALLS	3/4"	

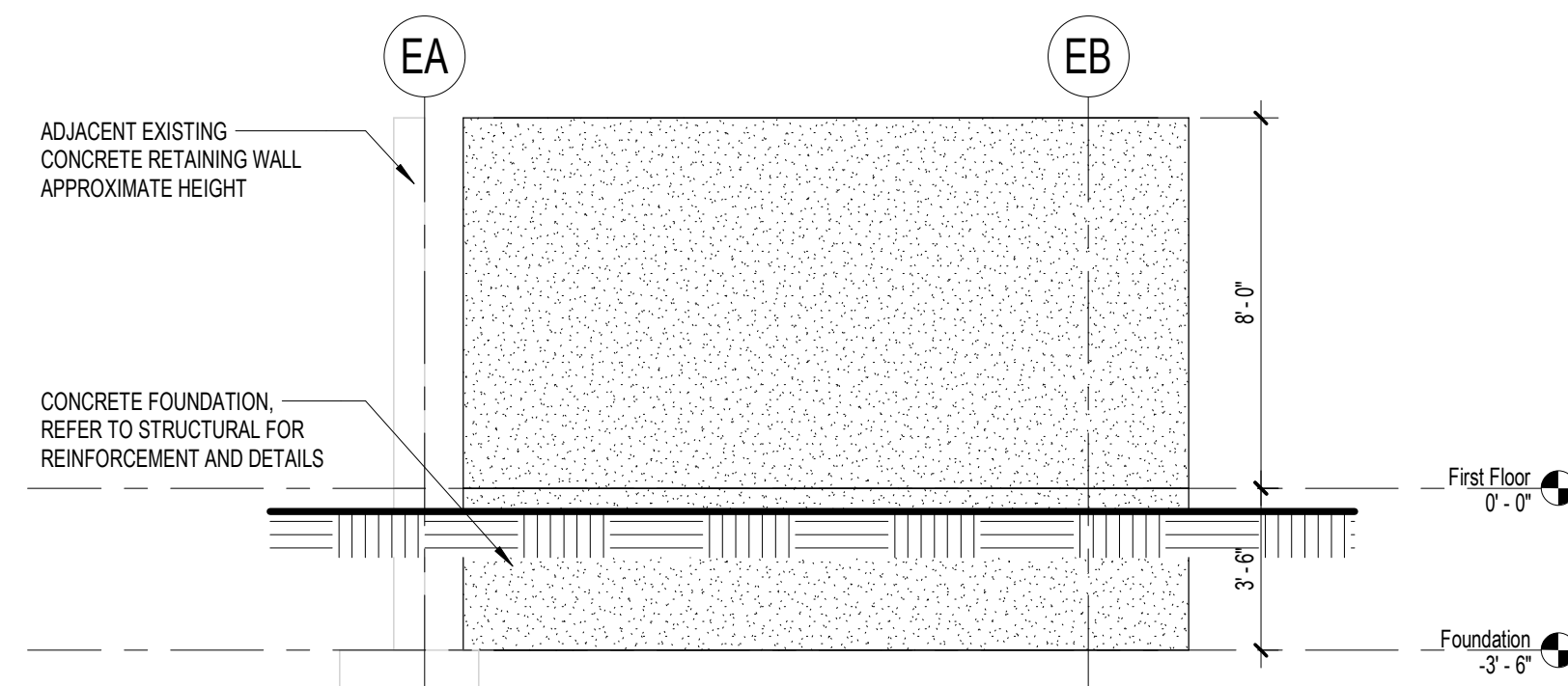
REFER TO ACI 318 FOR CONDITIONS NOT INDICATED
- PROVIDE CONSTRUCTION, CONTROL AND ISOLATION JOINTS AS INDICATED ON DRAWINGS. FOR JOINTS NOT INDICATED ON DRAWINGS, LOCATIONS TO BE REVIEWED BY THE ARCHITECT AND ENGINEER
- CONSTRUCTION JOINTS SHALL CONFORM TO ACI 318. THE JOINTS SHALL BE MOISTENED AND CLEANED OF LOOSE DEBRIS PRIOR TO PLACING NEW CONCRETE
- VERTICAL CONSTRUCTION JOINTS IN WALLS SHALL BE SPACED AT 8'-0" MAXIMUM
- INTERIOR SLAB-ON-GRADE SHALL BE OF THICKNESS AND REINFORCED AS INDICATED ON DRAWINGS. POUR SLAB IN STRIPS OF MAXIMUM 6'-0" WIDTH OVER VAPOR RETARDER ON PREPARED GRANULAR SUBGRADE UNLESS NOTED OTHERWISE. FLATNESS AND LEVELNESS OF SLABS SHALL BE INSPECTED PER ASTM E1155 WITHIN 24 HOURS OF FINISHING
- CONTROL OR CONSTRUCTION JOINTS IN SLAB-ON-GRADE SHALL BE SPACED AT 15'-0" MAXIMUM WHILE MAINTAINING A LONG TO SHORT SIDE RATIO OF 1.25 MAXIMUM
- WWF MAY BE SUBSTITUTED WITH STRUCTURAL FIBERS WITH APPROVAL FROM THE ARCHITECT AND ENGINEER. DOSAGE OF FIBERS SHALL BE SPECIFIED BY THE MANUFACTURER TO ACHIEVE EQUIVALENT PERFORMANCE TO THE SPECIFIED WWF AND MAINTAIN THE SPECIFIED W/C RATIO
- CONCRETE PADS OF 4" THICK OR LESS SHALL BE REINFORCED WITH 6#XW2.9XW2.9 WWF UNLESS NOTED OTHERWISE
- USE OF ADMIXTURES CONTAINING CHLORIDE OR CALCIUM CHLORIDE IN CONCRETE IS NOT PERMITTED
- CONCRETE MIX DESIGN SHALL BE SUBMITTED TO ARCHITECT AND ENGINEER FOR REVIEW
- REINFORCING STEEL REBAR SHALL NOT BE CUT, MOVED OR INTERRUPTED FOR ANY SLEEVES, PENETRATIONS OR BLOCKOUTS IN THE CONCRETE WALLS OR ELEVATED SLABS UNLESS NOTED OTHERWISE
- CONTRACTOR SHALL VERIFY ALL FLOOR FINISHES, CURBS, PADS, DEPRESSIONS, ETC., IN CONCRETE SLABS WITH ARCHITECTURAL DRAWINGS
- CONTRACTOR SHALL SURVEY ALL CONCRETE ELEVATIONS AFTER THE REMOVAL OF THE FORMS AND TEMPORARY SUPPORTS. NOTIFY ARCHITECT FOR ANY DISCREPANCIES WITH THE DRAWINGS
- ALL CONCRETE WORK PERFORMED DURING HOT OR COLD WEATHER SHALL CONFORM TO ACI 305 AND ACI 306
- PLACEMENT OF OPENINGS, SLEEVES OR ANY PENETRATIONS THROUGH GRADE BEAMS IS NOT PERMITTED UNLESS NOTED OTHERWISE ON THE DRAWINGS OR APPROVED BY THE ENGINEER
- REMOVAL OF FORMWORK AND RESHORING OF STRUCTURE SHALL CONFORM TO ACI 301 AND ACI 347
- ANCHOR RODS OR DOWELS SHALL BE PLACED PRIOR TO CONCRETE POURING. INSERTION OF SUCH ITEMS INTO WET CONCRETE IS NOT PERMITTED
- ALL EMBEDMENTS SUCH AS CONDUITS, PIPES, SLEEVES, ETC., IN CONCRETE SHALL CONFORM TO ACI 318
- PROVIDE CHAMFERS AS INDICATED ON ARCHITECTURAL DRAWINGS



9 TYPICAL STRUCTURAL HOUSEKEEPING PAD DETAIL
3/4" = 1'-0"



5 TYPICAL SLAB-ON-GRADE CONSTRUCTION
3/4" = 1'-0"



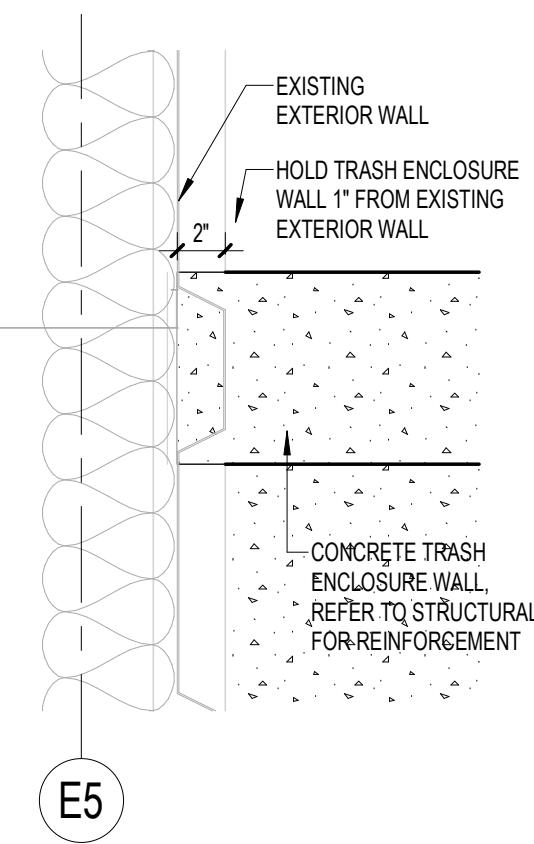
3 ENCLOSURE - EAST ELEVATION
1/4" = 1'-0"

BACKFILL

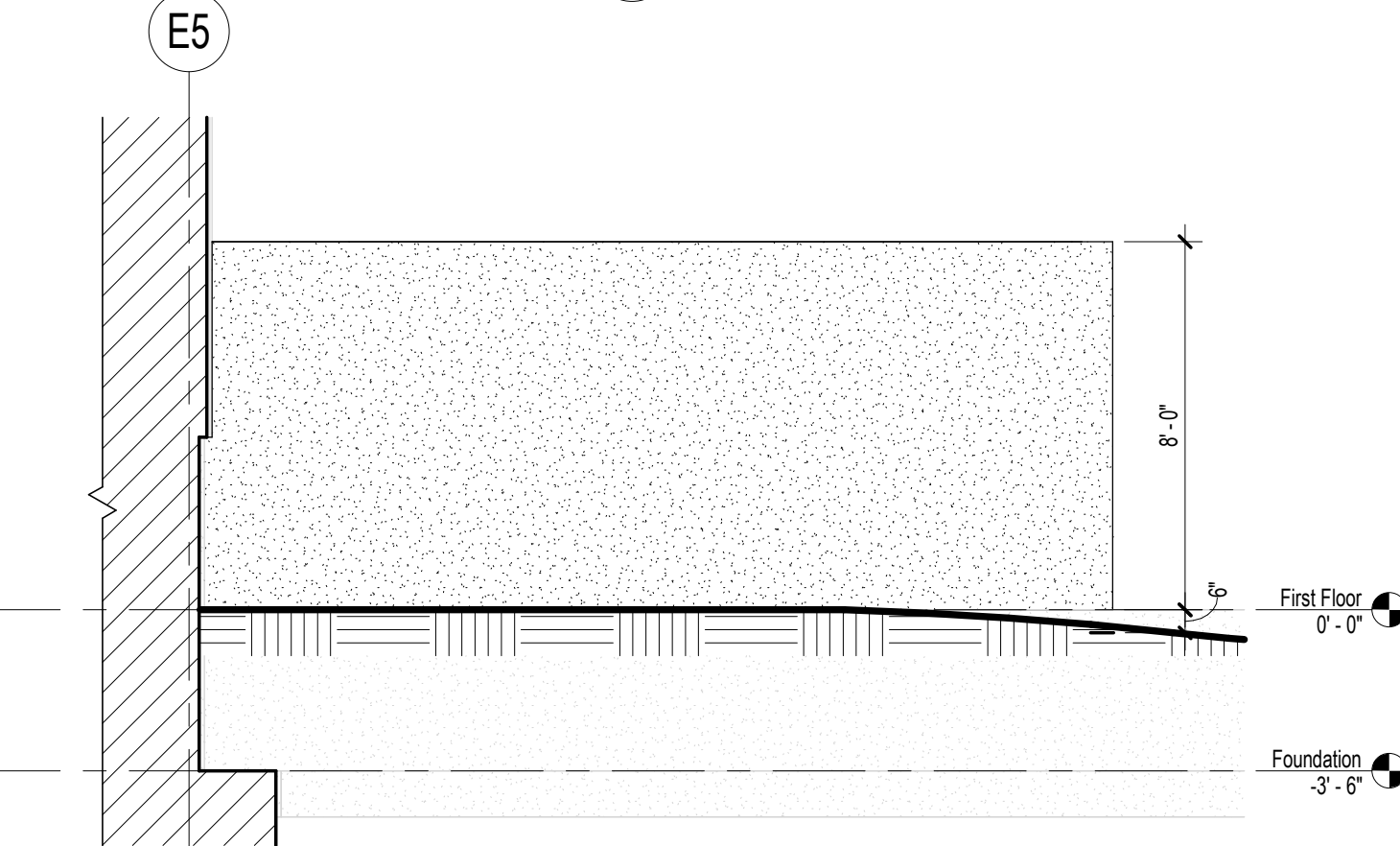
- UNLESS ADEQUATE TEMPORARY BRACING ARE IN PLACE, BACKFILLING AND COMPACTION OF SOIL AGAINST FOUNDATION WALLS SHALL NOT BE PERFORMED UNTIL THE FLOORS THAT PROVIDE LATERAL STABILITY TO THE WALLS HAVE DEVELOPED THE DESIGN STRENGTH
- IN AREAS WHERE BACKFILLING IS REQUIRED ON BOTH SIDES OF A WALL OR GRADE BEAM, BACKFILLING SHALL BE PERFORMED ON BOTH SIDES SIMULTANEOUSLY AT SIMILAR HEIGHTS TO PREVENT OVERTURNING OR LATERAL MOVEMENT OF THE STRUCTURE
- FILL MATERIALS, PLACEMENTS, LIFT THICKNESS AND COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH GEOTECHNICAL RECOMMENDATIONS AND INSPECTED BY A QUALIFIED TESTING AGENCY RETAINED BY THE CONTRACTOR
- CONTRACTOR SHALL REVIEW IN DETAIL EXCAVATION AND BACKFILL REQUIREMENTS AS OUTLINED IN GEOTECHNICAL REPORT. SUCH WORK MAY EXTEND SIGNIFICANTLY BELOW FOOTING ELEVATIONS AS INDICATED ON PLAN. ALL EXCAVATION AND BACKFILL SHALL BE WITHIN THE SCOPE OF THE CONTRACTORS WITH NO ADDITIONAL COSTS TO THE OWNER OR EXTENSION TO THE PROJECT SCHEDULE
- FOUNDATION SHALL BE BACKFILLED AS SOON AS PRACTICALLY POSSIBLE TO PREVENT EXCESSIVE MOISTURE INFILTRATION, SOIL EROSION AND/OR FROST-HEAVE ACTION
- CONTRACTOR TO CONSULT WITH PLUMBING ENGINEER FOR SPECIAL GRANULAR FILL THAT MAY BE REQUIRED FOR DRAINAGE SYSTEM

EXCAVATION AND FOUNDATION

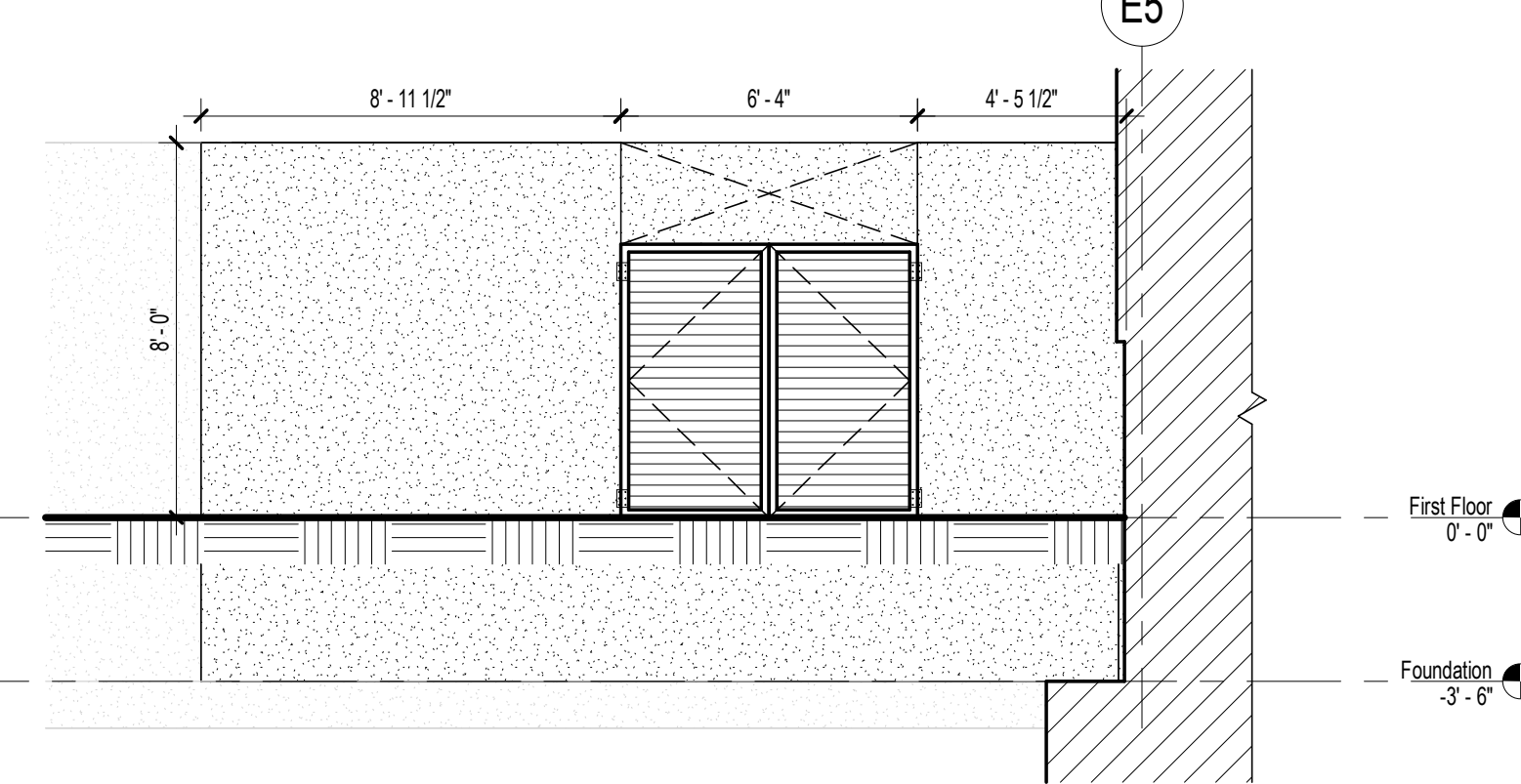
- CONTRACTOR SHALL EMPLOY APPROVED DEWATERING METHODS TO MAINTAIN THE SITE AT AN APPROPRIATE CONDITION FOR CONSTRUCTION
- EXCAVATIONS SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL MUNICIPALITY REQUIREMENTS
- FOUNDATION DESIGN IS BASED ON A MINIMUM SOIL BEARING CAPACITY OF 1,500 PSF. FINAL SOIL BEARING CAPACITIES SHALL BE FIELD-VERIFIED BY A QUALIFIED TESTING AGENCY RETAINED BY THE CONTRACTOR PRIOR TO CONCRETE PLACEMENT
- CONTRACTOR SHALL PROVIDE PROTECTION TO NEW AND EXISTING UTILITIES DURING EXCAVATION TO PREVENT SETTLEMENT, DISPLACEMENT AND/OR DISRUPTION TO THE SERVICE
- SUPPORTS FOR MOBILE CRANES AND FOUNDATIONS FOR TOWER CRANES OR HOISTS, IF APPLICABLE, SHALL BE DESIGNED BY A QUALIFIED PROFESSIONAL (RETAINED BY THE CONTRACTOR) AND PROVIDED TO THE ARCHITECT AND ENGINEER FOR REVIEW
- ALL EXTERIOR FOUNDATIONS SHALL BE PLACED AT OR BELOW THE FROST DEPTH OF 4'-0" FROM THE ADJACENT FINISHED GRADE UNLESS NOTED OTHERWISE
- SOME INTERIOR FOUNDATIONS ARE NOT DESIGNED TO BEAR AT OR BELOW FROST DEPTH ELEVATIONS. CONTRACTOR TO PROVIDE PROTECTION TO SUCH FOUNDATIONS AGAINST FROST-HEAVE ACTION DURING WINTER CONSTRUCTION
- ALL FOUNDATION EXCAVATION SHALL BE CLEAN, DRY AND FREE OF ICE. FROST AND STANDING WATER PRIOR TO CONCRETE PLACEMENT. RE-APPROVAL OF THE SUBGRADE BY GEOTECHNICAL ENGINEER WILL BE REQUIRED IF THE EXCAVATED AREA HAS EXPERIENCED SATURATION OR FLOODING AFTER APPROVAL



8 RTU ENCLOSURE - END CONDITION
1 1/2" = 1'-0"



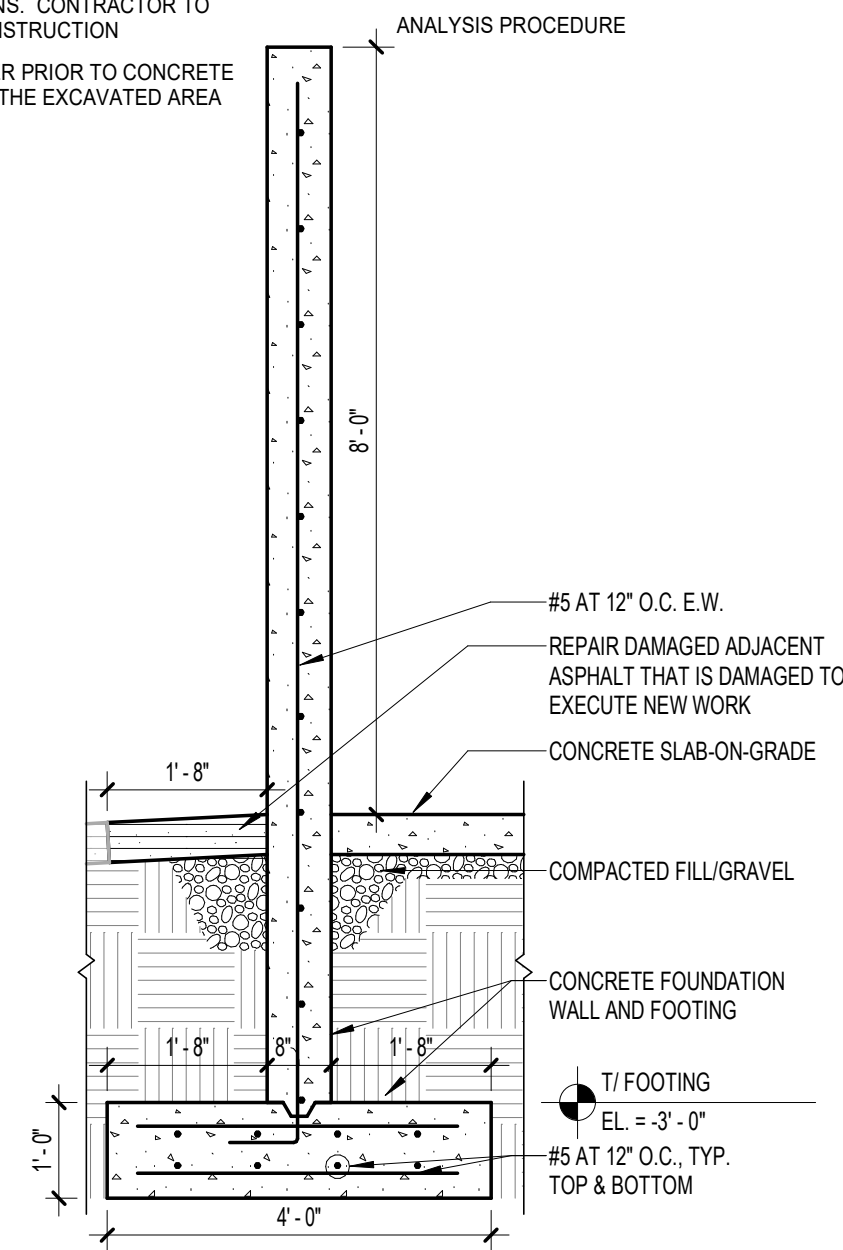
4 ENCLOSURE - SOUTH ELEVATION
1/4" = 1'-0"



2 ENCLOSURE - NORTH ELEVATION
1/4" = 1'-0"

DESIGN CRITERIA

- BUILDING CODE: INTERNATIONAL BUILDING CODE (IBC) 2015 PER CITY OF AURORA
- WIND LOADS
 - BASIC WIND SPEED, V: 115 MPH
 - BUILDING CATEGORY: II
 - EXPOSURE CATEGORY: C
 - MWFRS - WALL: +.27 PSF (IN FIELD), +.41 PSF (AT CORNERS), +.28 PSF (IN FIELD), +.37 PSF (AT CORNERS)
- SNOW LOADS
 - GROUND SNOW LOAD, P: 25 PSF
 - IMPORTANCE FACTOR, IS: 1.0
 - EXPOSURE FACTOR, CE: 1.0
 - THERMAL FACTOR, Ct: 1.0
 - FLAT ROOF SNOW LOAD, Pf: 20 PSF
- SEISMIC LOADS
 - IMPORTANCE FACTOR, IS: 1.0
 - SITE CLASS: D
 - SPECTRAL RESPONSE ACCELERATION
 - SHORT PERIOD, SS: 0.160g
 - ONE SECOND, S1: 0.066g
 - DESIGN SPECTRAL ACCELERATION
 - SHORT PERIOD, SDS: 0.171g
 - ONE SECOND, SD1: 0.106g
 - SEISMIC DESIGN CATEGORY: B
 - RESPONSE MODIFICATION FACTOR, R: 3
 - NORTH-SOUTH DIRECTION: 3
 - EAST-WEST DIRECTION: 3



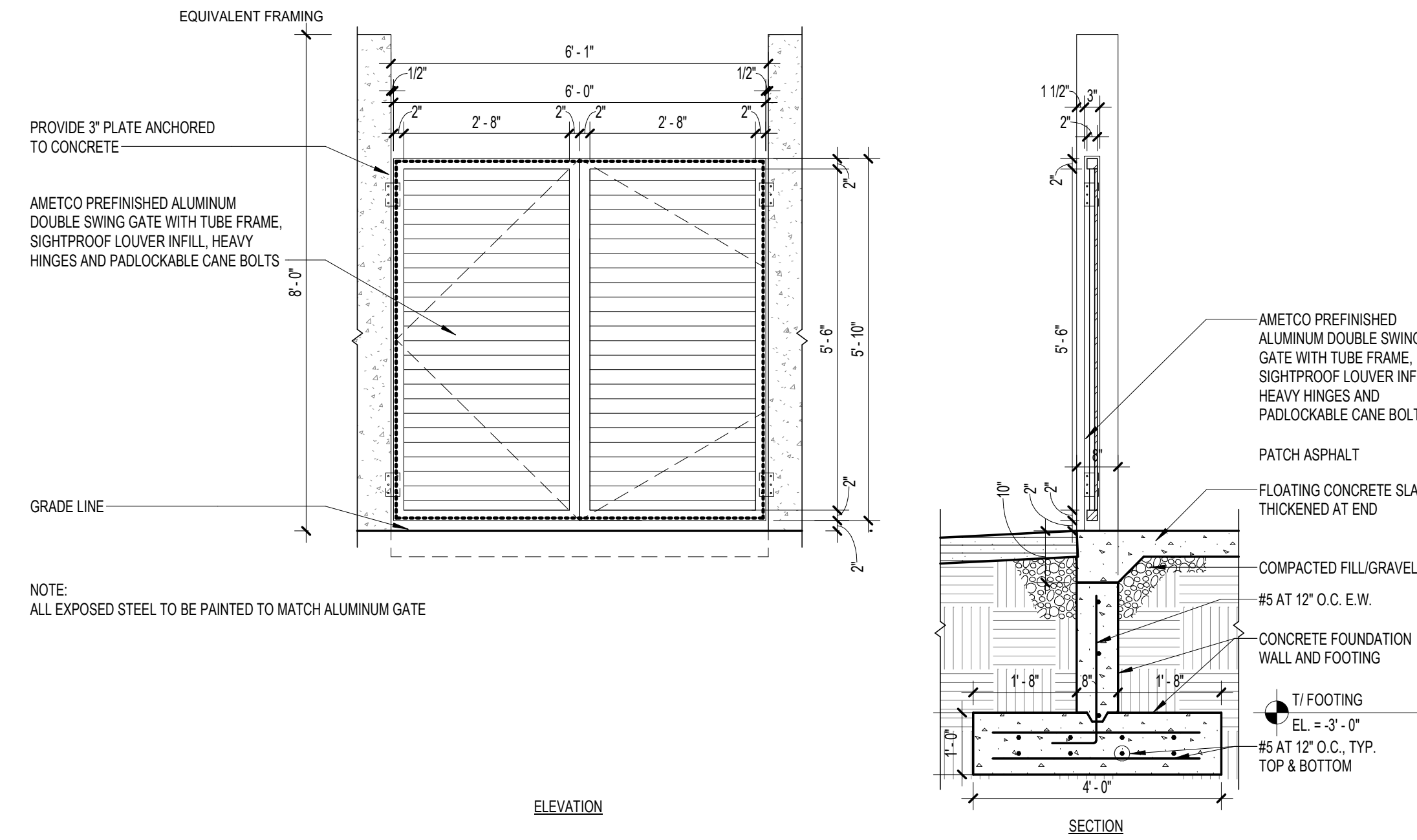
7 SECTION AT ENCLOSURE WALL
1/2" = 1'-0"

REINFORCING STEEL REBAR

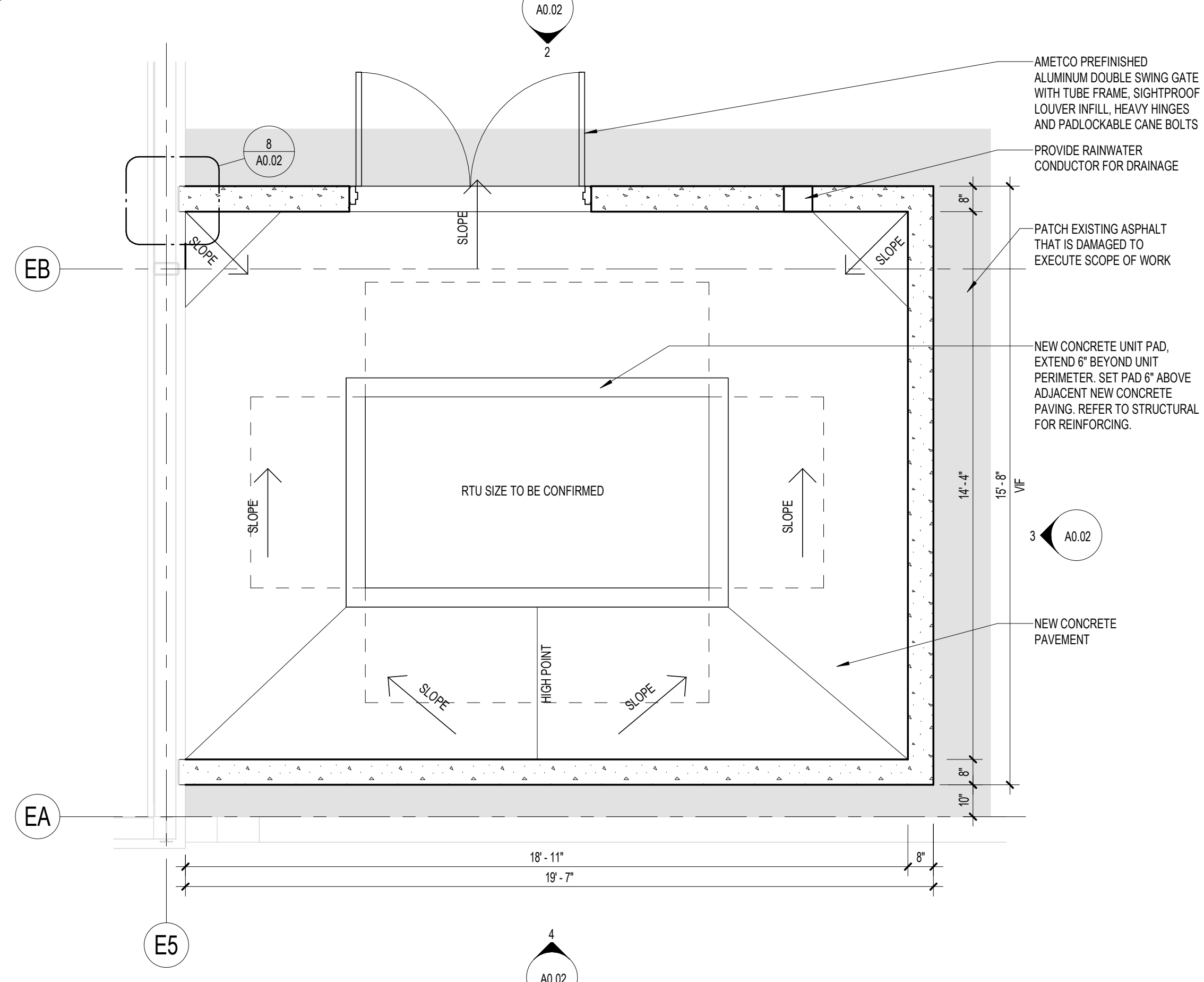
- REINFORCING STEEL SHALL BE DEFORMED #3 THROUGH #18 REBAR CONFORMING TO ASTM A615 GR. 60
- ELECTRICALLY WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185 AND A1064. STRUCTURAL FIBERS MAY BE ADDED TO OR REPLACE WWF WITH APPROVAL FROM THE ENGINEER
- WWF SHALL OVERLAP 2 FULL MESH PANELS AND MECHANICALLY TIED IN AREAS WHERE LAPPING IS REQUIRED
- DETAILING OF ALL REINFORCING STEEL REBAR AND ACCESSORIES SHALL CONFORM TO ACI 315
- CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS THAT ENTAIL THE LOCATIONS OF ALL CONCRETE CONSTRUCTION JOINTS, CURBS, PADS, SLAB DEPRESSIONS, SLEEVES, ETC., WITH CORRESPONDING REINFORCING STEEL REBAR SIZES, SPACING, DETAILS, ETC. GENERAL CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTING TO ARCHITECT AND ENGINEER FOR REVIEW
- DOWELS SHALL MATCH THE SIZE, SPACING AND QUANTITY OF THE MAIN REINFORCING STEEL REBAR UNLESS NOTED OTHERWISE
- ALL REBAR (INCLUDING TOP, BOTTOM AND SIDES IN SLABS AND BEAMS) EXPOSED TO ELEMENTS SUCH AS PRECIPITATION, DEICING SALT, PLANTING SOIL OR AS NOTED ON DRAWINGS SHALL BE EPOXY COATED CONFORMING TO ASTM A775
- WELDING OF REBAR IS NOT PERMITTED UNLESS SPECIFICALLY INDICATED ON DRAWINGS. REBAR WELDING SHALL CONFORM TO ASTM A706 AND AWS D1.4
- REBAR SPLICES SHALL CONFORM TO ACI 318. SPLICE REBAR ONLY AS INDICATED ON DRAWINGS EXCEPT FOR REBAR NOTED AS CONTINUOUS. CONTINUOUS REBAR SHALL BE SPLICED WITH CLASS A LAP SPLICE AT SUPPORT FOR BOTTOM REBAR AND AT MID-SPAN FOR TOP AND SIDE REBAR

POST-INSTALLED ANCHORS AND ADHESIVES

- INSTALLATION OF ALL ANCHORS SHALL NOT DAMAGE ANY EXISTING REINFORCEMENT. CONTRACTOR SHALL UTILIZE NON-DESTRUCTIVE METHODS TO LOCATE ALL REINFORCEMENT IN CONCRETE PRIOR TO DRILLING. SHOULD CONFLICT IS UNAVOIDABLE, ARCHITECT AND ENGINEER SHOULD BE NOTIFIED IMMEDIATELY
- ALL POST-INSTALLED ANCHORING SYSTEMS SHALL BE ICC-ESR APPROVED UNLESS NOTED OTHERWISE. SUBSTITUTION OF APPROVED SYSTEMS WITH NON-APPROVED SYSTEMS IS NOT PERMITTED
- ALL ADHESIVE SYSTEMS APPLIED TO CONCRETE SHALL BE INJECTION TYPE SUCH AS POWERS PE1000+, HILTI HIT-HY200 OR EQUIVALENT UNLESS NOTED OTHERWISE
- ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS. CONSULT WITH MANUFACTURER FOR PRODUCT SPECIFIC APPLICATION



6 GATE ELEVATION
1/2" = 1'-0"



1 RTU ENCLOSURE - ENLARGED PLAN
3/8" = 1'-0"

NOT FOR CONSTRUCTION

CC JOB NUMBER: 231077
DATE: MARCH 2024

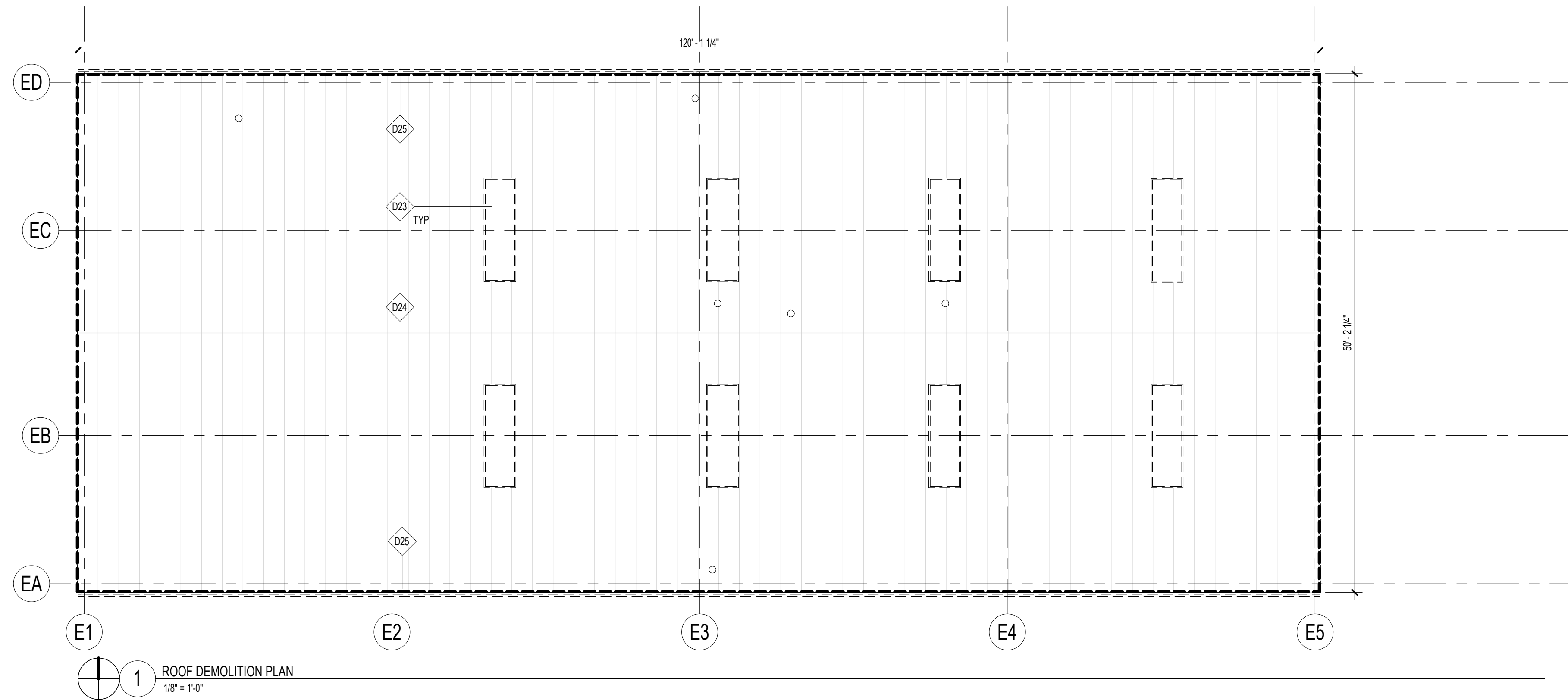
REVISIONS:

#	Description	Date

DRAWING TITLE:
**SITE ELEVATIONS
DETAILS**

REVISIONS:

#	Description	Date

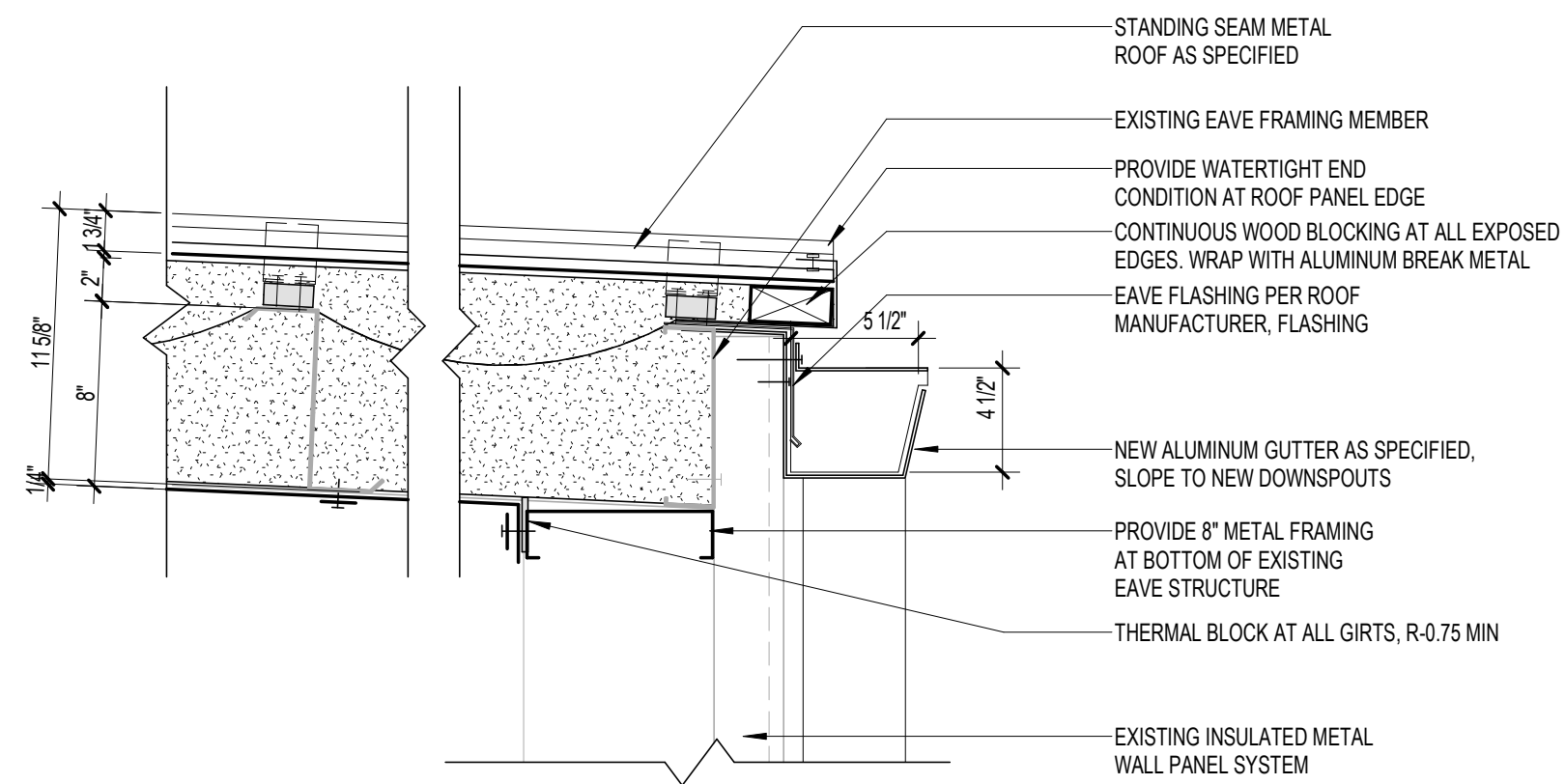


DEMOLITION KEYNOTE SCHEDULE	
MARK	DESCRIPTION
D23	REMOVE SKYLIGHTS AFTER SUB-RAFTER PLACEMENT. INFILL CAVITY WITH INSULATION.
D24	REMOVE EXISTING ROOF SYSTEM. STRUCTURAL STEEL SUPPORTS BELOW TO REMAIN. REMOVE SKYLIGHTS. REMOVE AND SALVAGE MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS AND ARCHITECTURAL RCP PLANS FOR NEW EQUIPMENT LOCATION.
D25	REMOVE EAVE TRIM AND GUTTER AROUND ROOF PERIMETER. NEW DOWNSPOUTS TO BE INSTALLED.

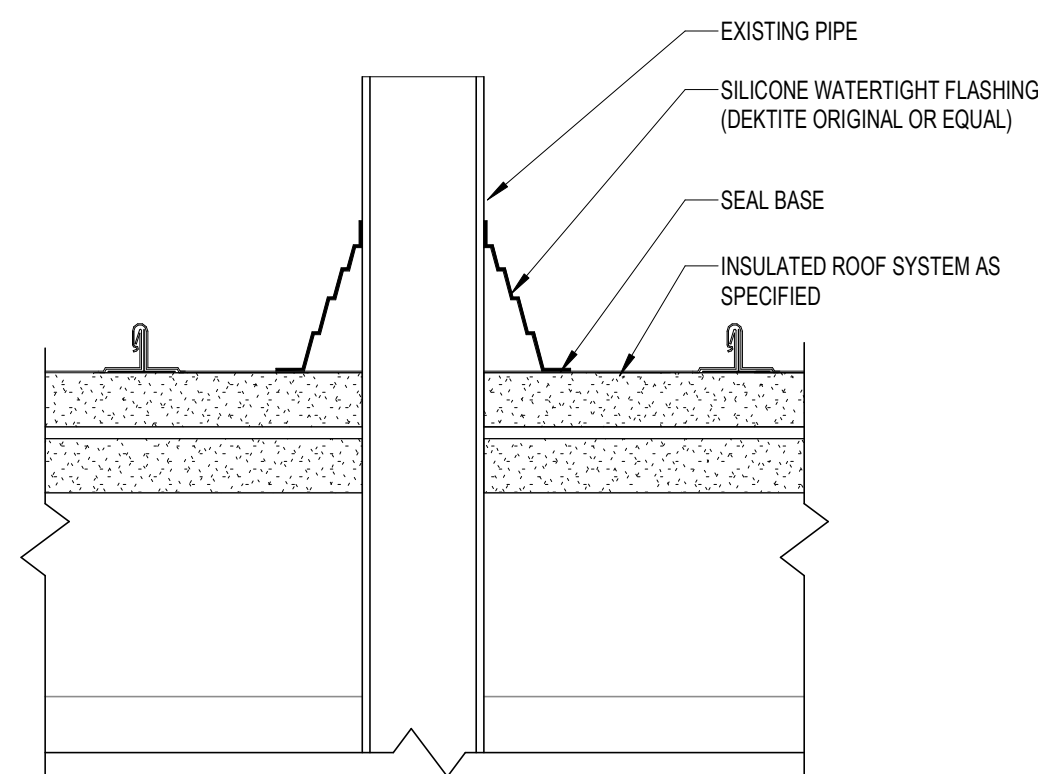
- GENERAL DEMOLITION NOTES**
- REFER TO DRAWING G1.00 FOR FULL GENERAL DEMOLITION NOTES.
 - REFER TO SPECIFICATION SECTION 024119 FOR ADDITIONAL REQUIREMENTS REGARDING SELECTIVE STRUCTURAL DEMOLITION.
 - REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR FULL MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION SCOPE OF WORK.
 - IN AREAS WHERE EXISTING WALLS, PARTITIONS, ETC. ARE TO BE REMOVED, IT SHALL BE NECESSARY TO REPAIR EXISTING CEILINGS, ADJUST AND RELOCATE OR REWIRE LIGHTING FIXTURES, AND REMOVE OR RELOCATE ELECTRICAL AND MECHANICAL COMPONENTS AS REQUIRED OR DIRECTED.
 - WASH AND CLEAN ALL EXISTING INTERIOR HVAC GRILLES AND DIFFUSERS WHICH ARE TO REMAIN (CEILING AND WALL-MOUNTED, AND FREESTANDING AT EXPOSED CONSTRUCTION).
 - EXISTING WALLS, FLOORS, AND CEILINGS WHICH ARE DAMAGED AND ARE TO REMAIN SHALL BE PATCHED AND REBUILT AS REQUIRED TO MATCH SURROUNDING CONSTRUCTION, AT NO ADDITIONAL COST TO THE OWNER.
 - ACTIVE PIPES, CONDUITS, AND OTHER UTILITIES OF ALL TYPES, WHETHER SHOWN IN THE CONSTRUCTION DOCUMENTS OR NOT, MUST BE PROTECTED AT ALL TIMES DURING THE CONSTRUCTION OF THE WORK. EXTREME CARE SHALL BE EXERCISED AT ALL TIMES NOT TO DAMAGE ANY SUCH PIPES AND CONDUITS. WHERE DAMAGE OCCURS, CONTRACTOR CAUSING THE DAMAGE SHALL REPAIR SUCH DAMAGE IN A MANNER APPROVED BY THE ARCHITECT AND OWNER, AND AT NO CHANGE IN THE CONTRACT PRICES OF CONTRACTOR.

REVISIONS:

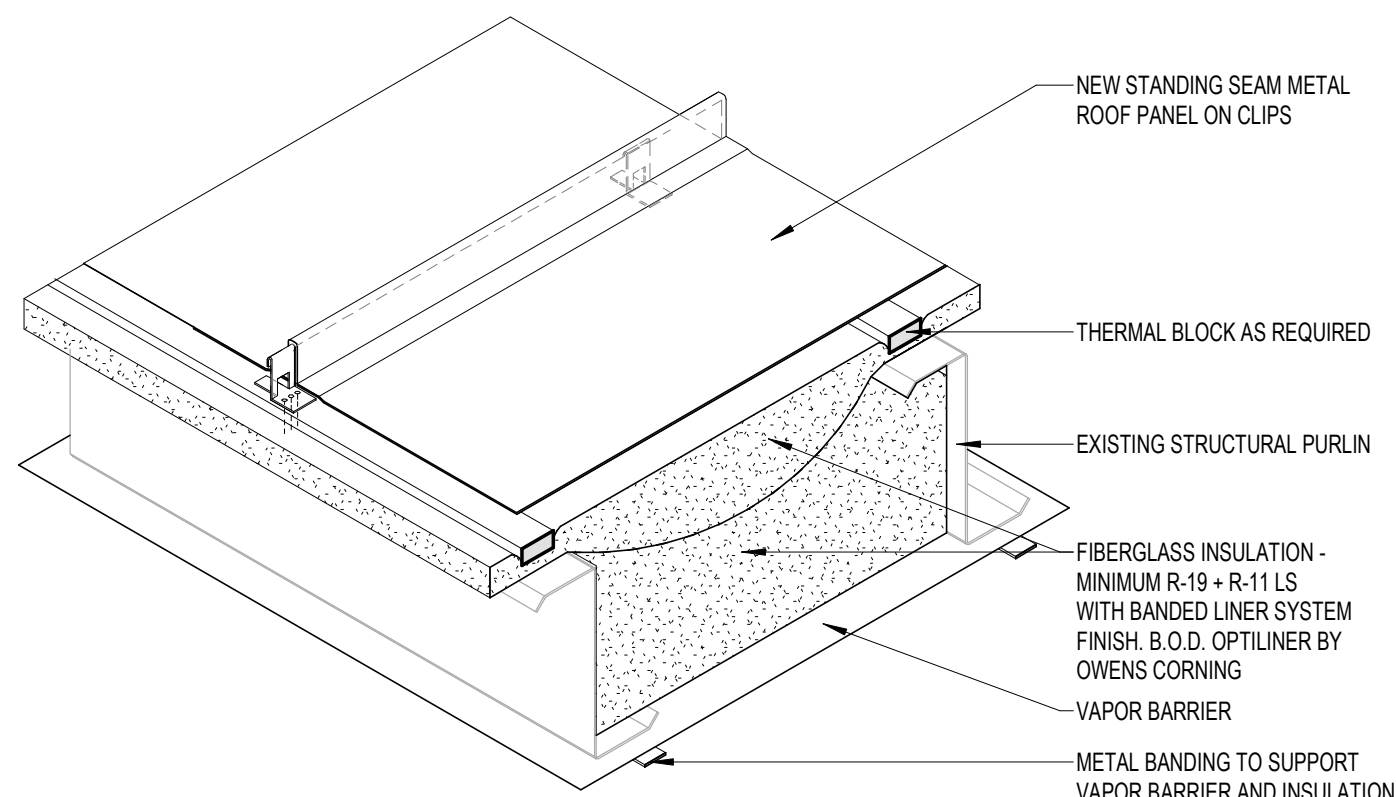
#	Description	Date



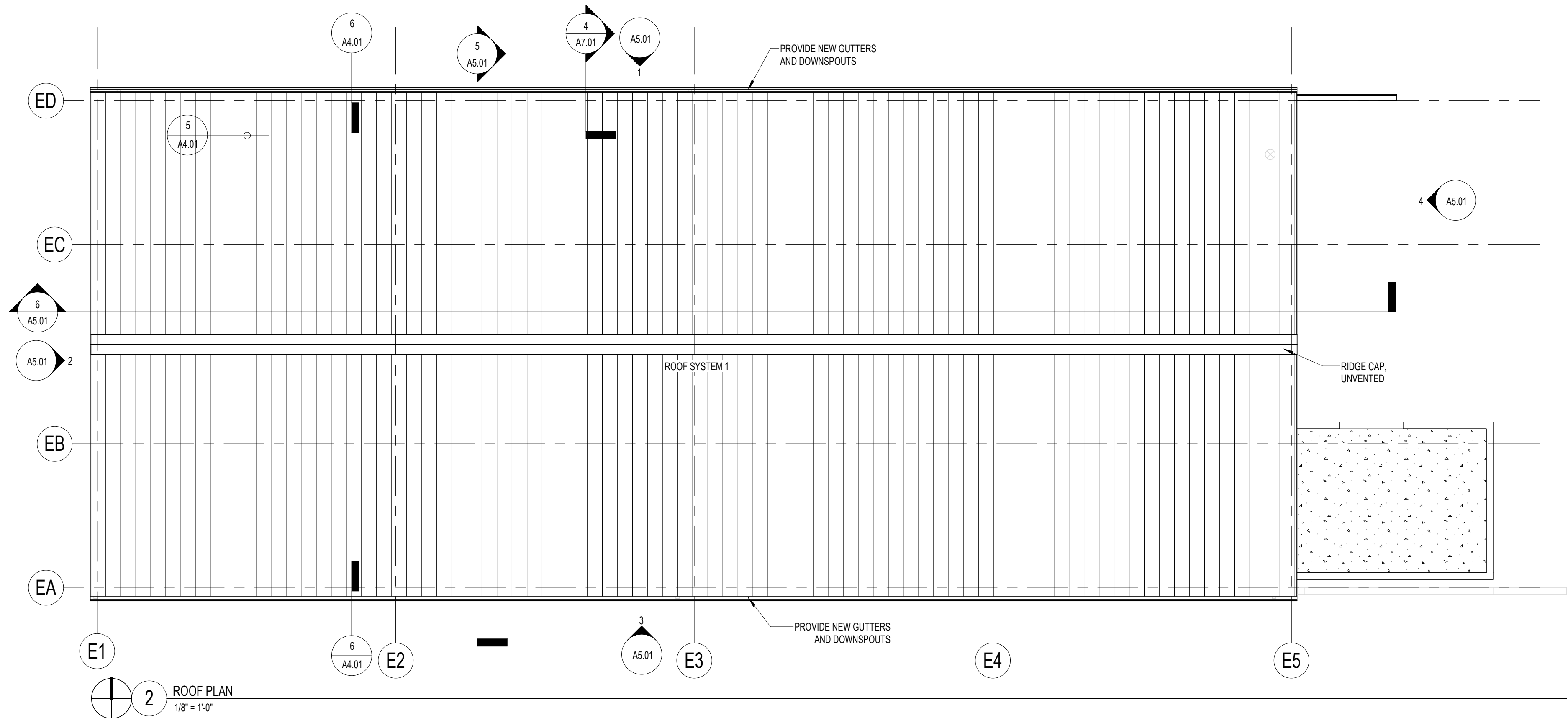
6 ROOF EAVE DETAIL
1/2" = 1'-0"



5 ROOF PENETRATION DETAIL
1/2" = 1'-0"



3 ROOF SYSTEM 1 - STANDING SEAM METAL
1/2" = 1'-0"



2 ROOF PLAN
1/8" = 1'-0"

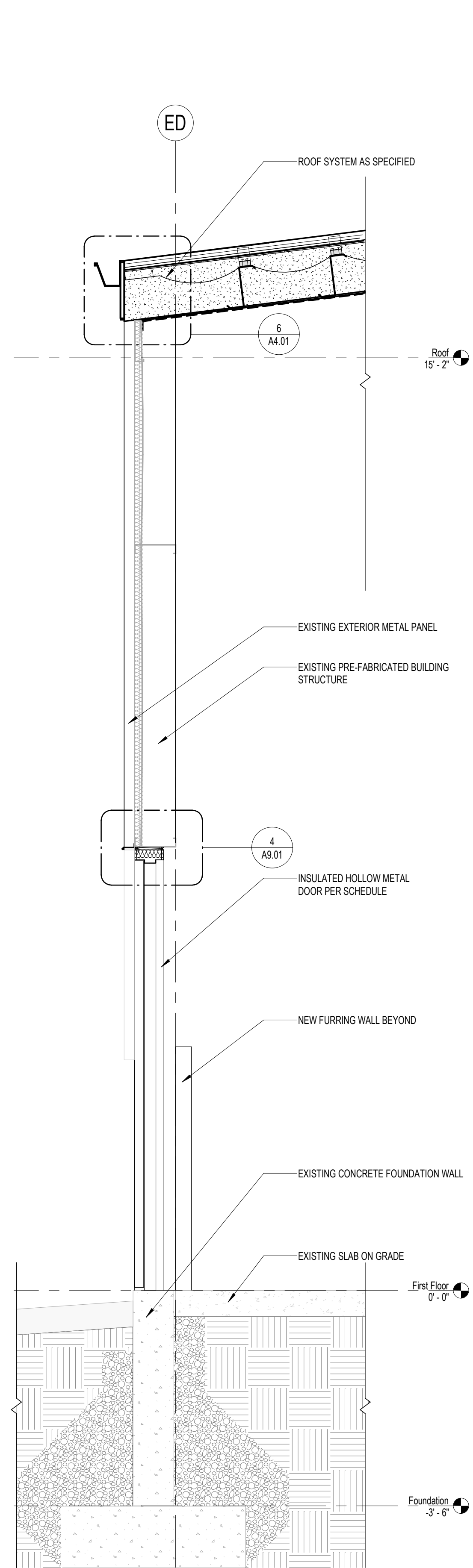
IECC 2021 - TABLE C402.1.3 - CLIMATE ZONE 5A

LOCATION	REQUIRED	PROVIDED
METAL BUILDING-ROOF	R19+R11 LS (U-0.035)	NEW STANDING SEAM ROOF CONSTRUCTION - EcoTouch 3.7" + EcoTouch 6.3" = LINER SYSTEM, pre-laminate R value: R-20.6 + R-11.9 LS (U-0.037) WITH THERMAL SPACER BLOCK.
METAL BUILDING-WALLS	R13+R14CI (U-0.050)	EXISTING: UNKNOWN. WALL RETROFIT: SINGLE LAYER IN CAVITY WITH THERMAL TAPE 9.25" EcoTouch = R-32.5 (U-0.050).
MASS	R-11.4ci (U-0.090)	EX. CONCRETE = R-0.5 + FURRING WITH EcoTouch 3.4" = R-10.8
UNHEATED SLABS	R-15 FOR 24" BELOW (F-0.52)	NO INSULATION PROVIDED. EX. SLAB OF 5" = R-0.5.
GARAGE DOOR (U-VALUE)	(U-0.31)=R-4	R-17.54.

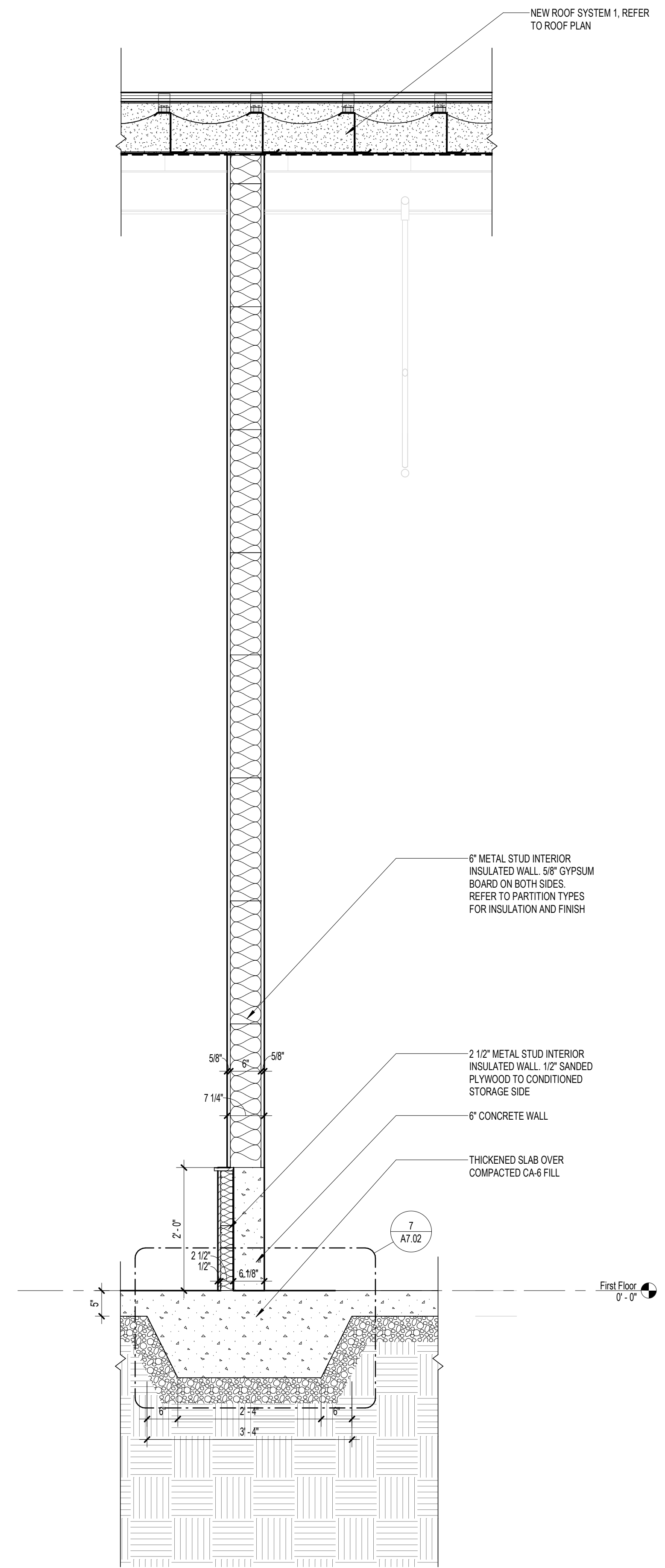
GENERAL ROOFING NOTES

- REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ROOF PENETRATIONS AND ROOF TOP EQUIPMENT.
- PROVIDE ROOF TERMINATIONS AND COUNTERFLASHING AT MECHANICAL AND PLUMBING ROOF PENETRATIONS. THE FULL ROOF WARRANTY AND GUARANTEE OF WATER RESISTANCE SHALL BE PROVIDED IN FULL BY THE CONTRACTOR.
- CONTRACTOR SHALL PROVIDE NECESSARY ROOFING ACCESSORIES TO PROVIDE A COMPLETE ROOF INSTALLATION, INCLUDING BUT NOT LIMITED TO TAPERED INSULATION, ROOF TERMINATIONS, BLOCKING, COUNTERFLASHING, AND PENETRATION FLASHING REFER TO PLUMBING DRAWINGS FOR ROOF PENETRATIONS. REFER TO SHEET A4.01 FOR ROOF PENETRATION DETAILS ROOF TERMINATIONS AND COUNTERFLASHING.
- ROOF SYSTEM SHALL PROVIDE A MINIMUM 1/2"-1'-0" SLOPE.
- ALL ROOF PENETRATIONS, INCLUDING VENT STACKS, ROOF CURBS, AND PIPE SUPPORT CURBS, ARE TO BE A MINIMUM OF 8" ABOVE THE ROOF.
- ALL COUNTER FLASHING, COPING, AND MISCELLANEOUS METAL FLASHING PIECES ARE TO HAVE SEALANT APPLIED AT THE END CONDITION.
- ALL EXPOSED FASTENERS TO BE CORROSIVE RESISTANT, HAVE NEOPRENE WASHERS, AND TO BE COVERED WITH SEALANT FOLLOWING MANUFACTURER'S MAXIMUM WARRANTY REQUIREMENTS.
- PROVIDE THROUGH-WALL COUNTER-FLASHING FOR ALL VERTICAL FLANGES, END WALL FLASHING, AND ROOF INTERSECTIONS.
- INSTALL SADDLES ON THE HIGH SIDE OF ALL ROOF PENETRATION DETAILS.
- PROVIDE SNOW GUARDS AS INDICATED AND PER MANUFACTURER'S RECOMMENDATION. PROVIDE SNOW GUARD AT ALL MECHANICAL AND PLUMBING PENETRATIONS.
- METAL BUILDING MANUFACTURER TO PROVIDE FULL INSULATED ROOF SYSTEM TO PROVIDE AN AIR TIGHT STRUCTURE MEETING ENERGY CODE REQUIREMENTS.
- GUTTERS TO BE SLOPPED AT MINIMUM 1/10" / 1' 0" FROM HIGHT TO LOW AT DOWNSPOUT.

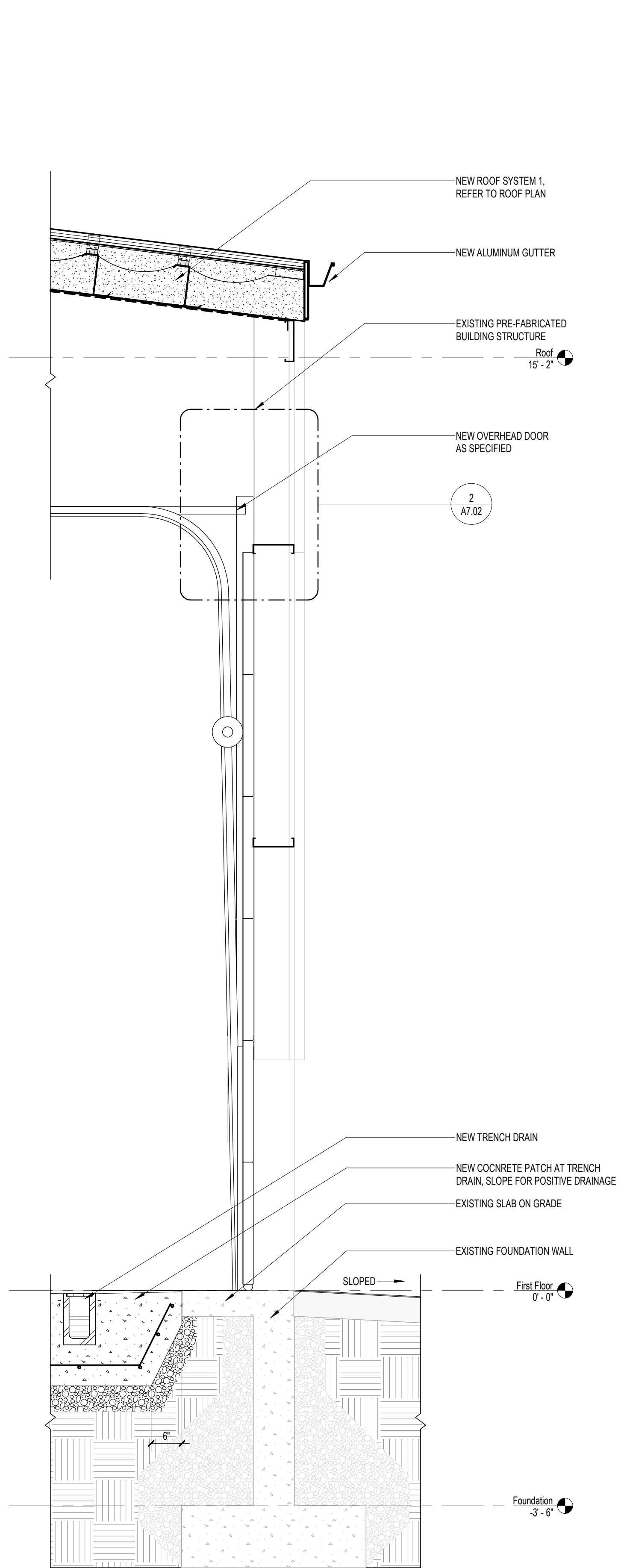
#	Description	Date



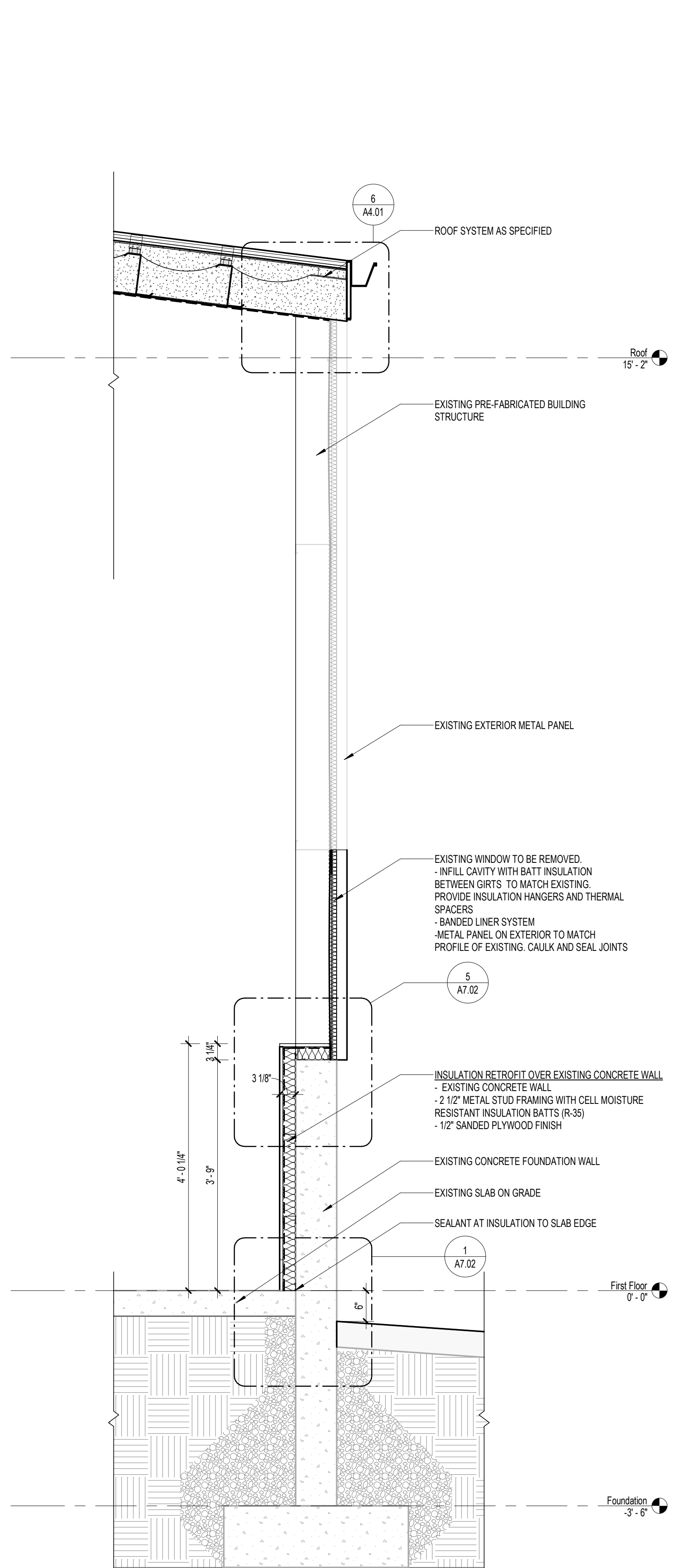
4 WALL SECTION @ MAN DOOR
3/4" = 1'-0"



3 WALL SECTION - STUD WALL
3/4" = 1'-0"



2 WALL SECTION - OVERHEAD DOOR
3/4" = 1'-0"



1 WALL SECTION - SOUTH WALL - RETROFIT INSULATION / WINDOW INFILL
3/4" = 1'-0"

NOT FOR
CONSTRUCTION

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CC JOB NUMBER

231077

DATE

MARCH 2024

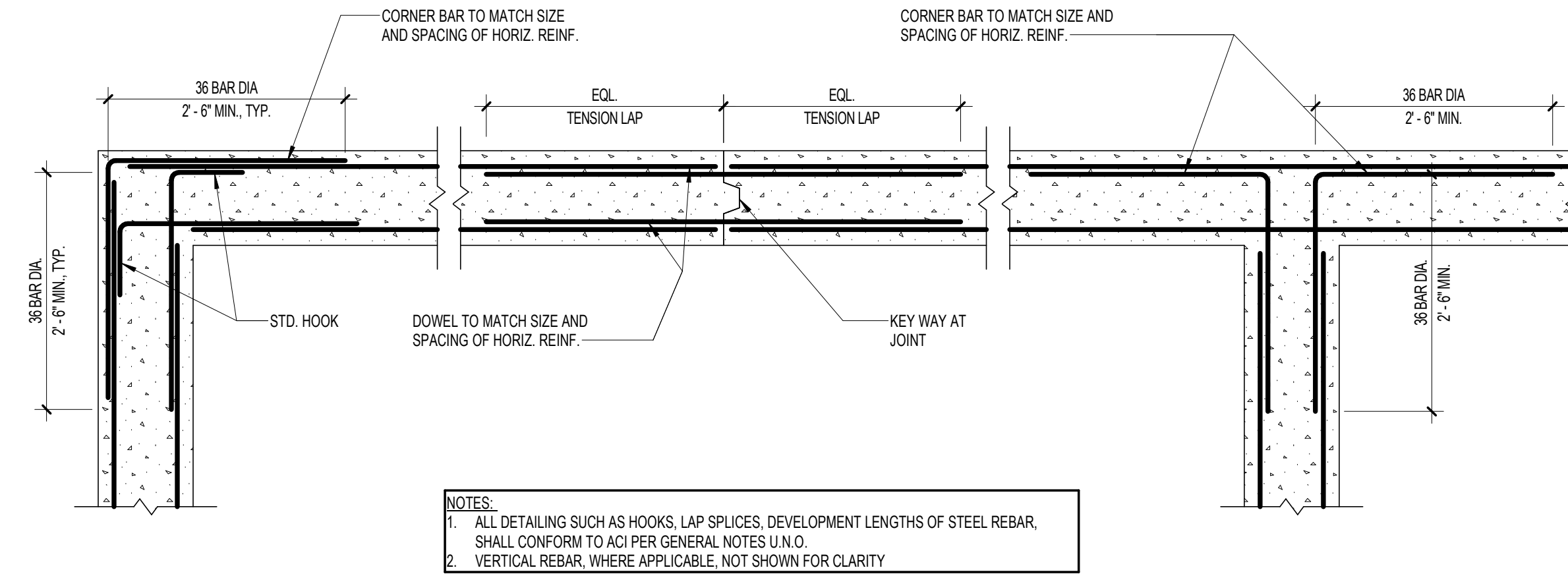
REVISIONS:

#	Description	Date

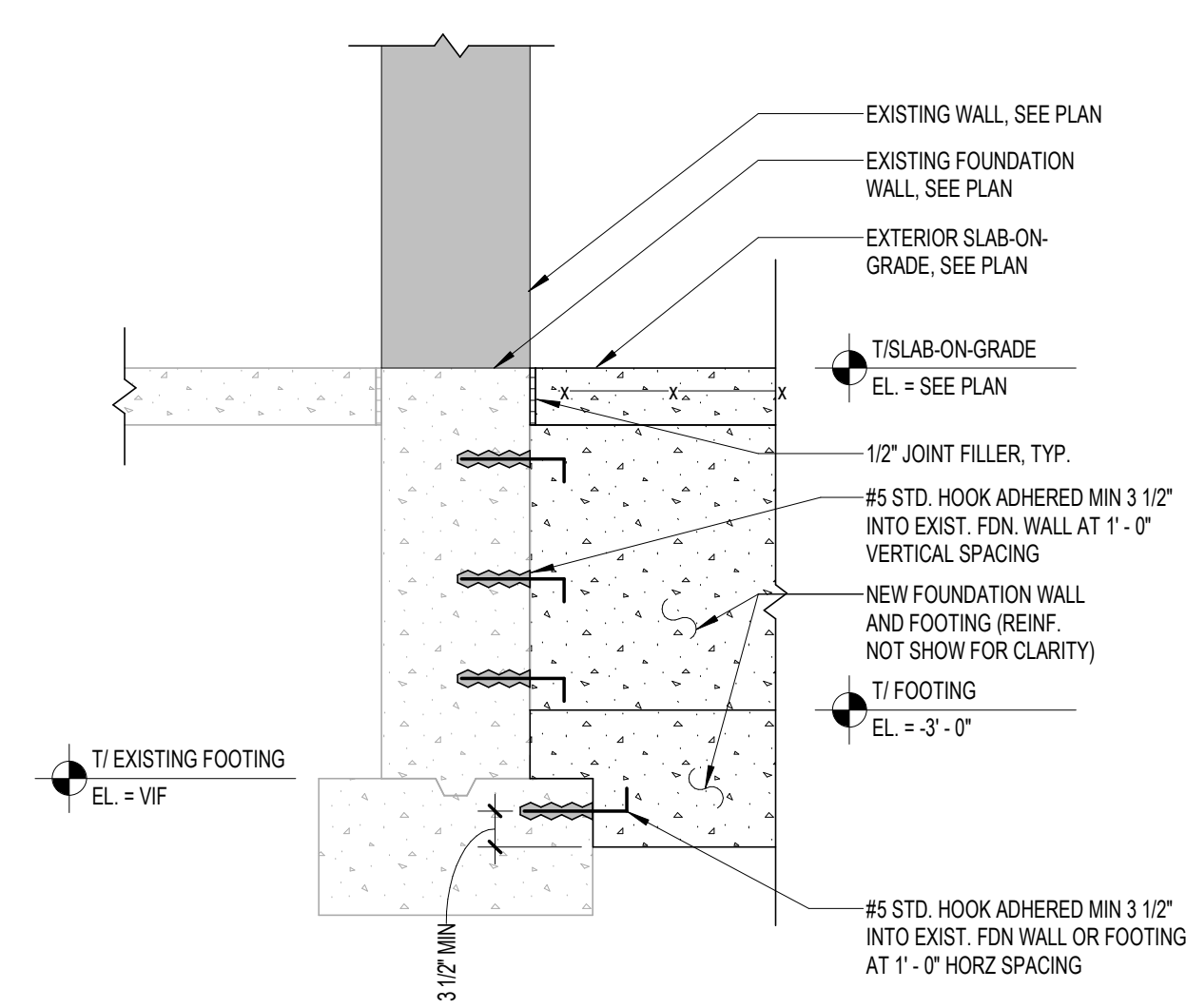
DRAWING TITLE:
SECTION DETAILS

A7.02

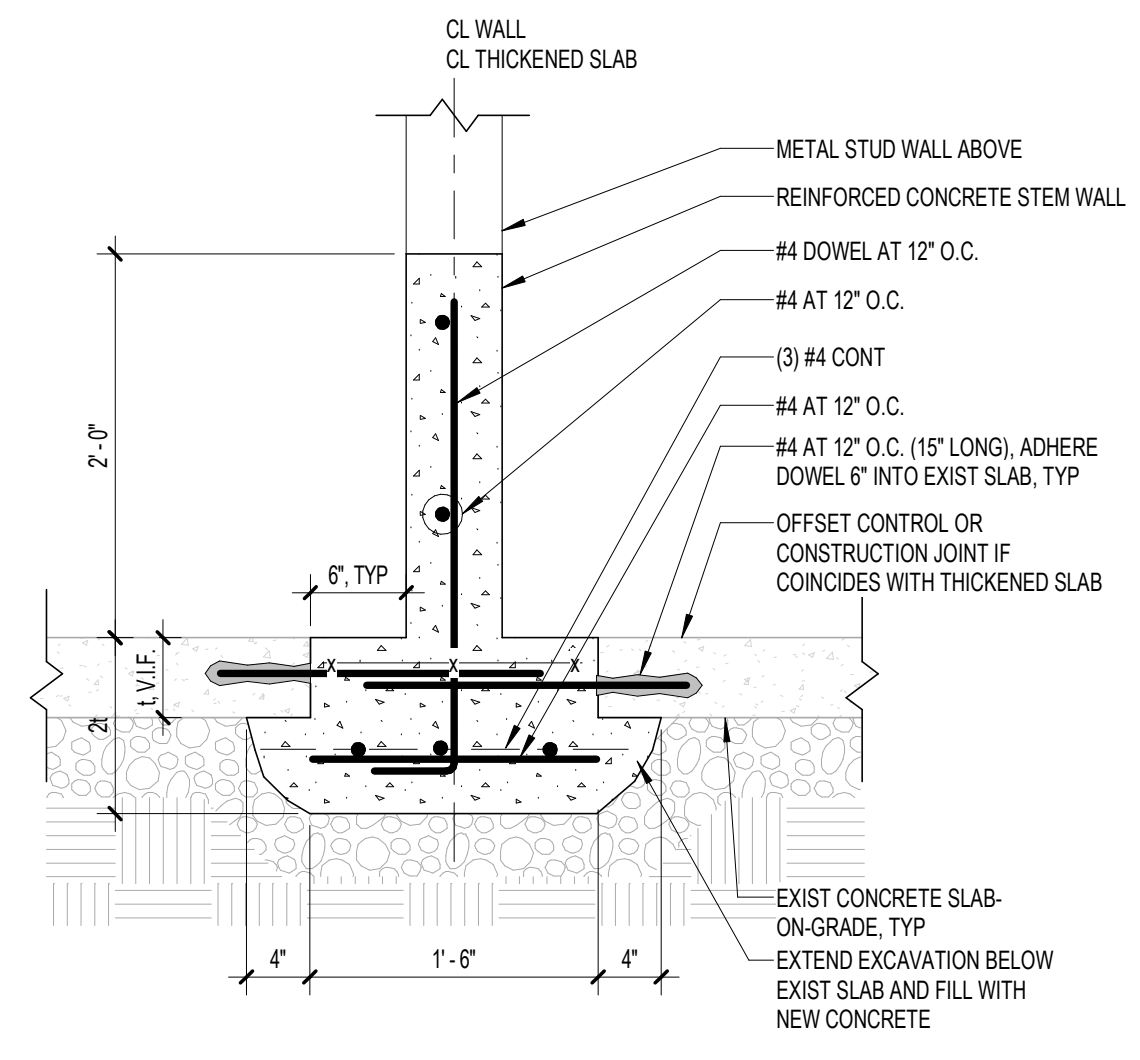
BID SET



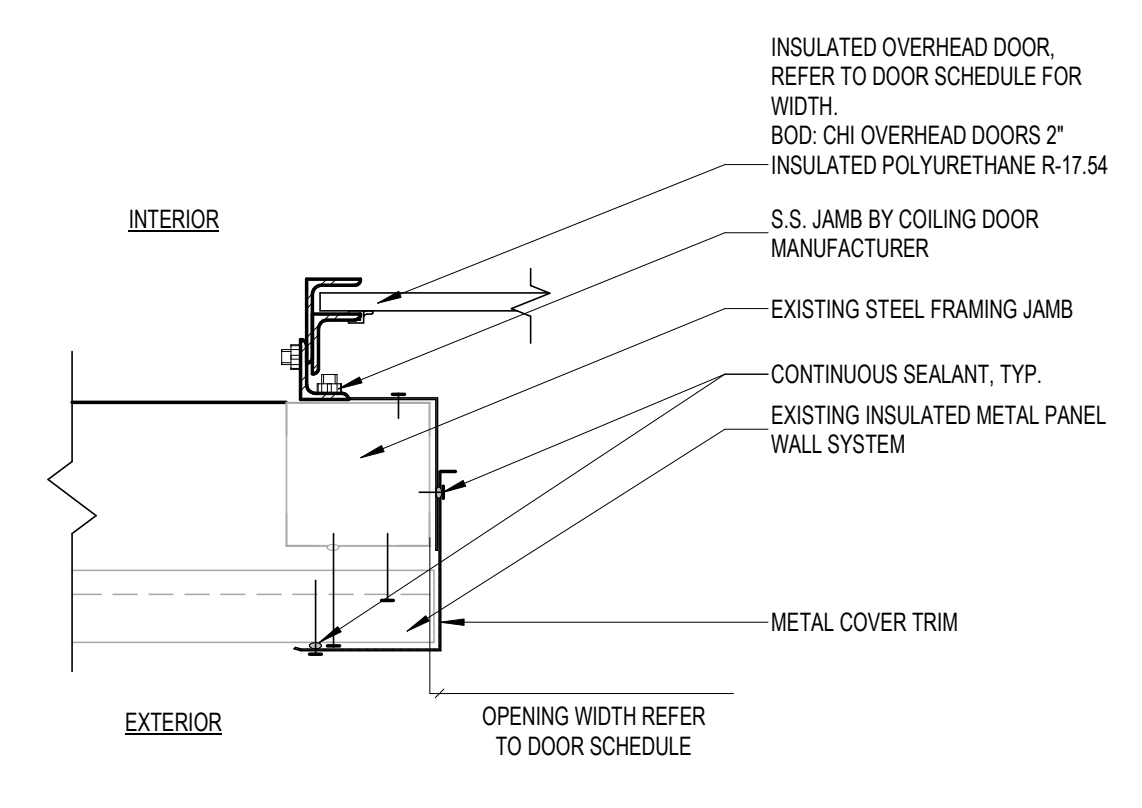
9 TYPICAL CONCRETE WALL CONSTRUCTION
3/4" = 1'-0"



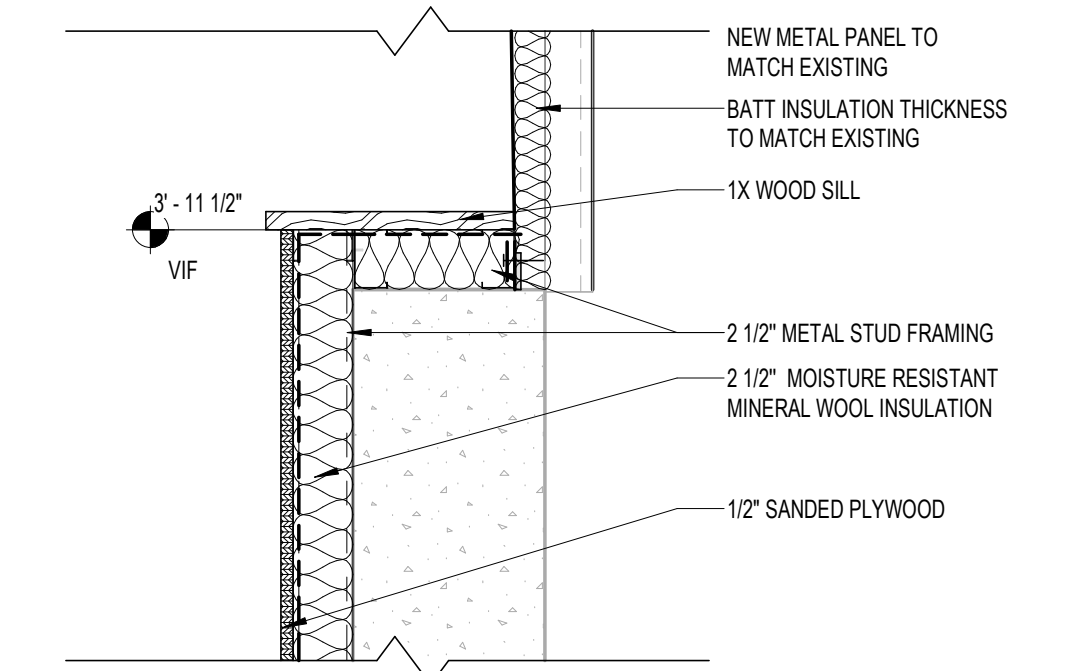
8 SECTION AT EXISTING/NEW FOUNDATION WALL
3/4" = 1'-0"



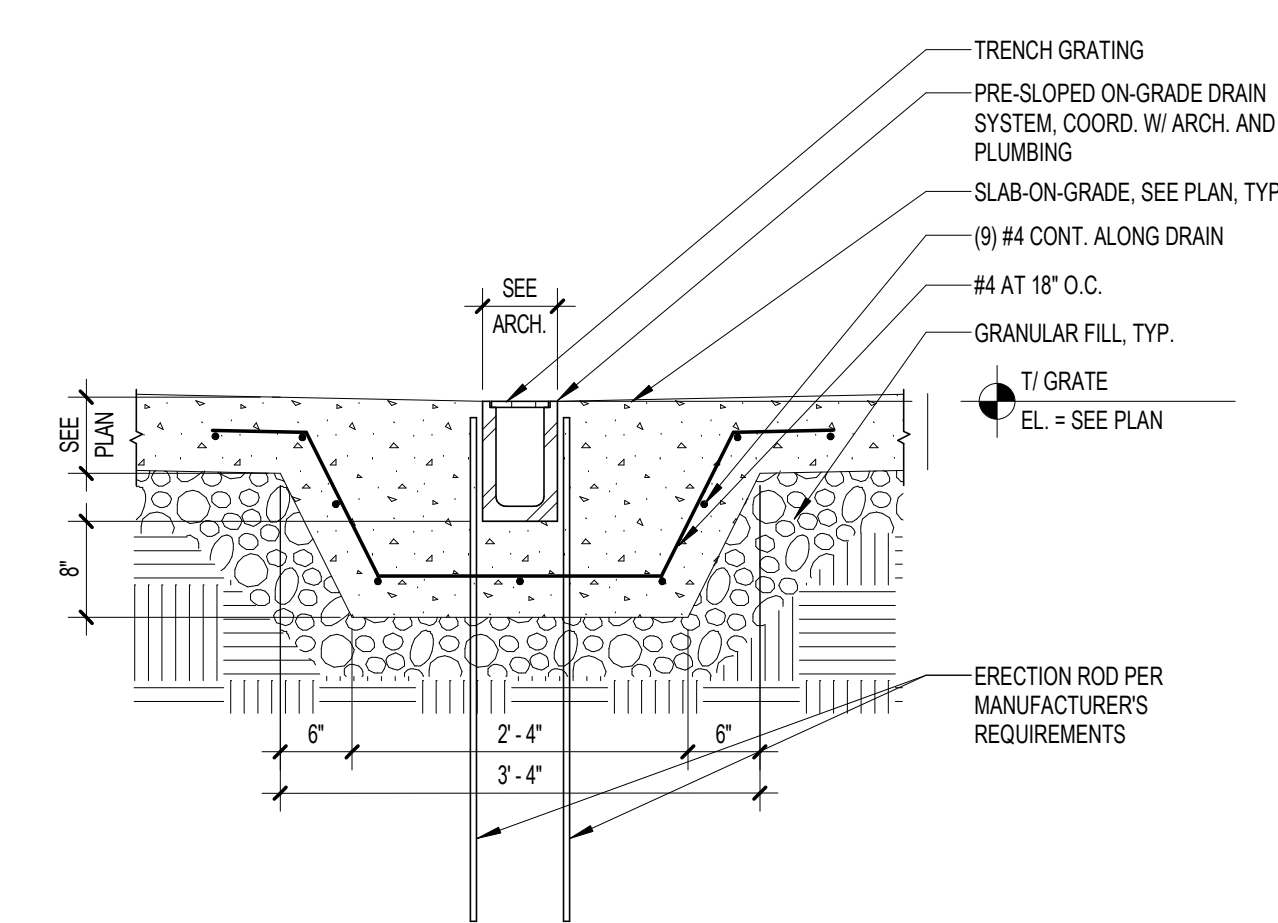
7 THICKENED SLAB AT STEM WALL
1" = 1'-0"



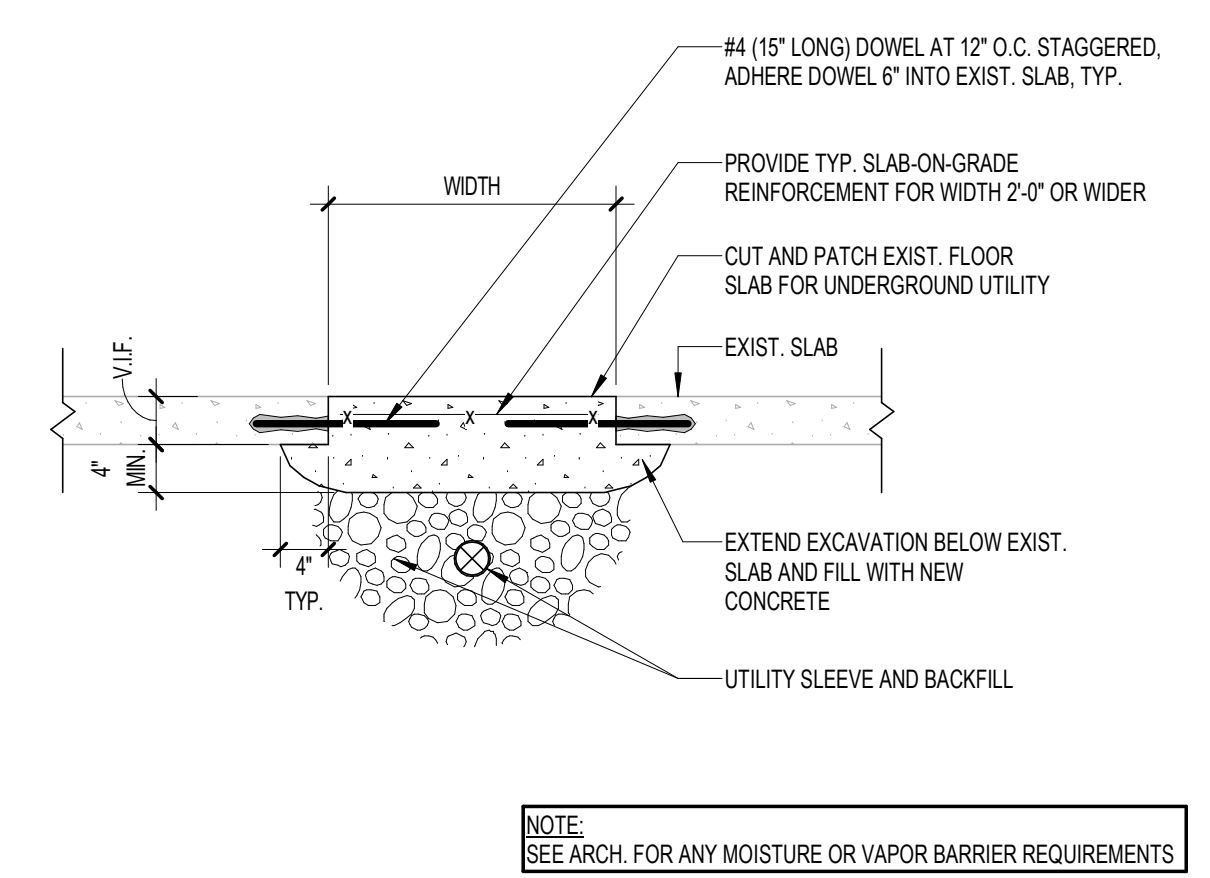
6 EXTERIOR - OVERHEAD DOOR JAMB DETAIL
1 1/2" = 1'-0"



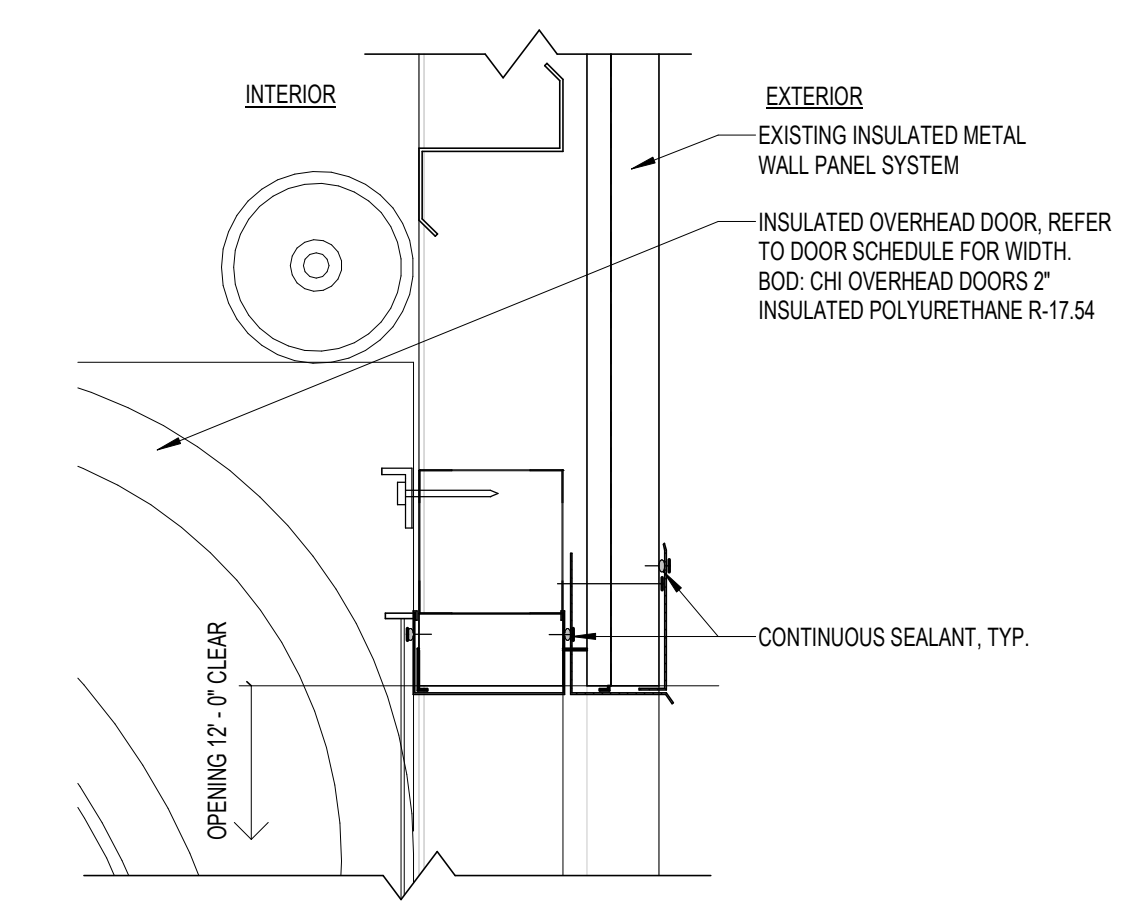
5 EXISTING WALL - INSULATION RETROFIT TOP
1 1/2" = 1'-0"



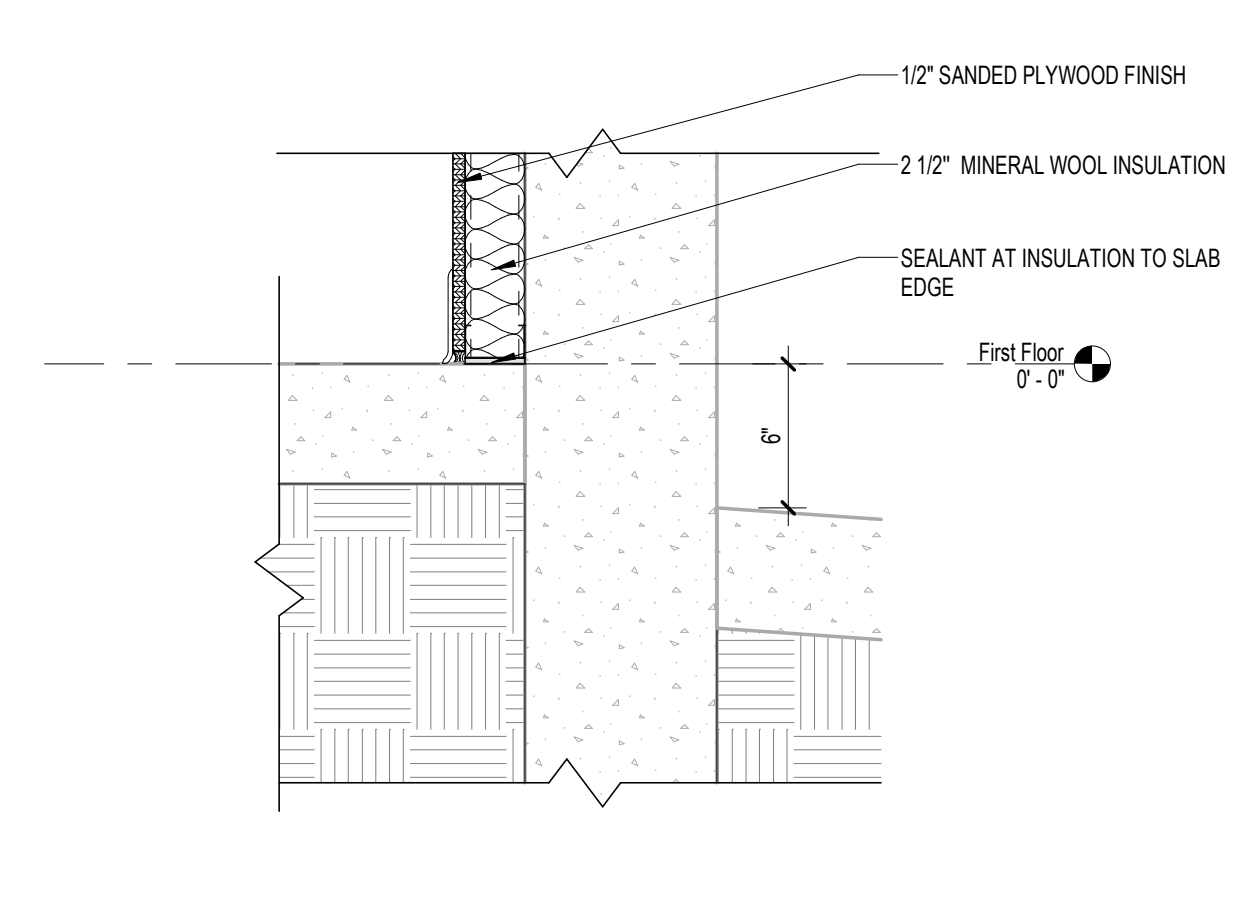
4 SECTION AT TRENCH DRAIN
3/4" = 1'-0"



3 TYPICAL FLOOR SLAB INFILL
3/4" = 1'-0"



2 EXTERIOR - OVERHEAD DOOR HEAD DETAIL
1 1/2" = 1'-0"



1 EXISTING WALL - INSULATION RETROFIT BASE
1 1/2" = 1'-0"

