

GENERAL NOTES

DESIGN CRITERIA

- LIVE LOAD:
 - ROOF LIVE LOAD 20 PSF
 - FLOOR LIVE LOAD 250 PSF
- ROOF DEAD LOAD:
 - METAL DECK 3PSF
 - STEEL FRAMING 2PSF
 - COLLATERAL 10PSF

TOTAL 5PSF (15PSF W/COLLATERAL)
- WIND LOADING PER IBC 2021 – NEW JERSEY EDITION:
 - BASIC WIND VELOCITY (V): 126 MPH
 - EXPOSURE CATEGORY: C
 - RISK CATEGORY: III
- SEISMIC LOADING PER IBC 2021 – NEW JERSEY EDITION:
 - RESPONSE ACCELERATOR:
 - $S_s = 0.215$
 - $S_{ps} = 0.23$
 - $S_1 = 0.051$
 - $S_{01} = 0.082$
 - SEISMIC DESIGN CATEGORY: B
 - SEISMIC SITE CLASSIFICATION: D
 - IMPORTANCE FACTOR I_e : 1.25
- SNOW LOADING PER IBC 2021 – NEW JERSEY EDITION:
 - GROUND SNOW LOAD: 25 PSF
 - IMPORTANCE FACTOR: 1.1

FOUNDATIONS

- ALL EXISTING FILL MATERIALS, CONSISTING OF GRAVEL, BRICK FRAGMENTS, CONCRETE CHIPS, WOOD CHIPS, AND DEMOLITION DEBRIS SHALL BE REMOVED IN THE REGIONS OF ALL FOUNDATIONS AND UNDER AREAS OF SLAB-ON-GRADE.
- THE SLAB ON GRADE SHALL REST ON A MINIMUM OF 6 INCHES OF COMPACTED GRANULAR FILL.
- PROOF ROLL SLAB SUBGRADE UNDER THE DIRECTION OF THE INSPECTION AGENCY. REMOVE ALL UNSUITABLE AREAS AND REPLACE WITH COMPACTED STRUCTURAL FILL MATERIALS. COMPACT FILL TO AT LEAST 95 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY THE ASTM D 1557 MODIFIED PROCTOR TEST.
- SHALLOW FOUNDATIONS SHALL BE FOOTINGS TO BEAR ON UNDISTURBED SOIL, HAVING A MINIMUM SAFE BEARING CAPACITY OF 1.5 KSF. THE TESTING AND INSPECTION AGENCY SHALL VERIFY SOIL BEARING CAPACITY AT EACH WALL FOOTING PRIOR TO INSTALLATION OF FOOTING. NOTIFY ENGINEER OF ANY VARIATION FROM ANTICIPATED BEARING CAPACITY FOR APPROPRIATE REDESIGN OF FOOTING.
- THE BOTTOMS OF ALL EXTERIOR FOOTINGS SHALL BE 3'-0" MINIMUM BELOW FINISHED GRADE.
- EDGES OF FOOTINGS SHALL NOT BE PLACED AT A GREATER THAN 1 (VERTICAL) TO 2 (HORIZONTAL) SLOPE WITH RESPECT TO ANY ADJACENT FOOTING OR EXCAVATION.
- ALL ADJACENT COLUMN FOOTINGS THAT ABUT SHALL BE SEPARATED BY A PAPER JOINT.
- BACKFILLING AGAINST WALLS SHALL NOT BE DONE UNTIL CONCRETE HAS BEEN CURED TO ATTAIN SUFFICIENT STRENGTH (7 DAYS MINIMUM) AND WALLS ARE PROPERLY SHORED AND/OR BRACED. BACKFILL FOUNDATION WALLS WITH EARTH ON BOTH SIDES OF THE WALL BY ALTERNATELY PLACING BACKFILL ON EACH SIDE SO THAT HEIGHT OF BACKFILL DOES NOT DIFFER BY MORE THAN 1'-6" FROM OTHER SIDE.
- THE CONTRACTOR SHALL SAFEGUARD AND PROTECT ALL EXCAVATIONS AND ALL EXCAVATIONS SHALL BE KEPT FREE OF WATER.
- NO HORIZONTAL JOINTS SHALL BE PLACED IN WALLS EXCEPT AS SHOWN ON THE DRAWINGS WITHOUT APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ALL LOCATIONS OF TRENCHES, PITS, CONDUITS, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS.

FOUNDATION CONCRETE

- ALL CONCRETE SHALL BE NORMAL WEIGHT STRUCTURAL CONCRETE HAVING A DESIGN COMPRESSIVE STRENGTH AT 28 DAYS AS FOLLOWS:
 - FOOTINGS 4,000 PSI
 - WALLS AND PIERS 4,000 PSI
 - SLAB-ON-GRADE 4,000 PSI
- NO CONCRETE SHALL BE PLACED UNTIL CONCRETE DESIGN MIXES HAVE BEEN SUBMITTED FOR EACH CLASS OF CONCRETE NOTED ABOVE AND HAVE BEEN APPROVED BY THE ENGINEER.
- REINFORCING STEEL SHALL BE DEFORMED BARS OF INTERMEDIATE GRADE NEW BILLET STEEL CONFORMING TO CURRENT REQUIREMENTS OF ASTM A 615, GRADE 60. LAP BARS 40 DIAMETER UNLESS OTHERWISE SHOWN. ALL HOOKS SHALL BE STANDARD HOOKS, UNLESS OTHERWISE NOTED.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185.
- ALL MESH SHALL BE SPliced SO THAT THE OVERLAP OF THE OUTERMOST CROSS WIRES OF EACH ADJOINING SHEET IS NOT LESS THAN THE SPACING OF THE CROSS WIRES PLUS 2 INCHES, UNLESS NOTED OTHERWISE.
- FOR ALL SLABS ON GRADE WHERE NOT OTHERWISE SPECIFIED, USE 6x6-W2.9xW2.9 W.W.F.
- MINIMUM STEEL PROTECTION, UNLESS OTHERWISE SHOWN, SHALL BE 1-INCH FOR INTERIOR FACE OF WALLS, 2 INCHES FOR EXTERIOR FACE OF WALLS, 3 INCHES FOR FOOTINGS AND OTHER STRUCTURAL CONCRETE DEPOSITED AGAINST GROUND, 2 INCHES FOR CONCRETE PERMANENTLY EXPOSED TO EARTH OR WEATHER.
- ALL STRUCTURAL MEMBERS SHALL BE POURED FOR THEIR FULL DEPTHS IN ONE OPERATION. CONSTRUCTION JOINTS, SUCH AS DAY'S POUR JOINTS, SHALL BE LOCATED IN THE MIDDLE THIRD OF THE SPAN, MAIN REINFORCING TO RUN THROUGH THE JOINT, KEY AND ROUGHEN JOINTS TO EXPOSE AGGREGATE. CONTRACTOR SHALL SUBMIT DRAWING INDICATING CONSTRUCTION JOINT LOCATIONS FOR APPROVAL.
- NO CONCRETE SHALL BE PLACED IN WATER.
- ALL SLABS ON GRADE SHALL HAVE THICKENINGS, DEPRESSIONS, OPENINGS, ETC. AS SHOWN ON OR AS REQUIRED BY VARIOUS TRADES.
- REFER TO ARCHITECTURAL DRAWINGS AND/OR SPECIFICATIONS FOR CONCRETE FINISHES.
- FOR ADDITIONAL CONCRETE WORK NOT SHOWN ON STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS.

PRE-ENGINEERED BUILDING

- PRE-ENGINEERED BUILDING SHALL BE PROVIDED AS SHOWN ON THE DRAWINGS AND DETAILED IN THE SPECIFICATIONS.
- THE PRE-ENGINEERED BUILDING SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF NEW JERSEY. SIGNED AND SEALED CALCULATIONS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL.
- BUILDING DESIGN SHALL INCLUDE ALL MECHANICAL, ELECTRICAL, PLUMBING, AND MISCELLANEOUS LOADING.
- BUILDING DESIGN SHALL ALSO INCLUDE ALL ADDITIONAL LOADS FROM FLOORS AND ADJACENT STRUCTURE AS SHOWN ON THE PLANS.
- RIDGE VENTS SHALL BE COORDINATED WITH THE PRE-FABRICATED BUILDING MANUFACTURER.
- NECESSARY CURB DETAILS AND EAVE DETAIL SHALL BE COORDINATED BY THE CONTRACTOR WITH THE PRE-FABRICATED BUILDING MANUFACTURER.

MASONRY

- HOLLOW CONCRETE MASONRY UNITS ASTM C90, GRADE N, TYPE 1 NORMAL WEIGHT 1900 PSI NET AREA COMPRESSIVE.
- MORTAR SHALL BE ASTM C270, TYPE S FOR ALL REINFORCED MASONRY, EXTERIOR WALLS AND WALLS BELOW GRADE.
- GROUT SHALL BE ASTM C476, 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI.
- REINFORCING STEEL GRADE 60 REINFORCING BARS.
- HORIZONTAL JOINT REINFORCEMENT ASTM A951.
- STRENGTH OF MASONRY ASSEMBLY $f_m = 1,500$ PSI.
- CONSTRUCTION SHALL CONFORM TO SPECIFICATIONS FOR MASONRY STRUCTURES, ACI 530.1
- REINFORCING METAL TIES AND ANCHORS SHALL BE PROTECTED FROM CONTACT WITH SOIL AND BEFORE BEING PLACED SHALL BE FREE FROM LOOSE RUST AND OTHER COATINGS THAT WILL DESTROY OR REDUCE THE BOND. MINIMUM LAP SHALL BE 48 BAR DIAMETERS FOR REBAR AND 6" FOR JOINT REINFORCEMENT.
- SHOP DRAWINGS SHOWING ALL BAR REINFORCING IN ELEVATION (1/8" TO 1'-0" MINIMUM SCALE) SHALL BE SUBMITTED AND REVIEWED PRIOR TO CONSTRUCTION.
- ALL MASONRY WALLS TO HAVE 9 GAGE TRUSS TYPE HORIZONTAL REINFORCEMENT AT 16 INCHES ON CENTER.
- MASONRY UNITS SHALL BE STEAM CURED, A MINIMUM OF 28 DAYS AT THE TIME OF DELIVERY AND CONTINUOUSLY PROTECTED FROM EXPOSURE TO RAIN OR OTHER SOURCES OF WATER FROM TIME OF CASTING TO FINAL PLACEMENT IN WALL. MASONRY UNITS SHALL BE DRY, FREE FROM SOIL, ICE AND FROST WHEN LAID IN WALL. SEE ACI 530.1 FOR COLD AND HOT WEATHER CONSTRUCTION AND WALL PROTECTION REQUIREMENTS.

STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS, LATEST EDITION:
 - STRUCTURAL STEEL SHAPES ASTM A992 HAVING A MINIMUM YIELD STRENGTH OF 50 KSI.
 - MISC SHAPES, BARS, AND PLATES – A 36 HAVING A MINIMUM YIELD STRENGTH OF 36 KS.
 - ROUND PIPE – A 53, GRADE B HAVING A MINIMUM YIELD STRENGTH OF 35 KS.
 - SQUARE AND RECTANGULAR TUBING – A 500, GRADE B HAVING A MINIMUM YIELD STRENGTH OF 46 KSI.
- BOLTS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS: HIGH STRENGTH BOLTS-A 325 OR A 490; ANCHOR BOLTS-F1554; STANDARD FASTENERS-A 307.
- ALL WELDING ELECTRODES SHALL CONFORM TO THE E-70 SERIES OF THE SPECIFICATION FOR MILD STEEL ARC WELDING ELECTRODES ASTM A 233.
- ALL BOLTS SHALL BE 3/4-INCH DIAMETER, OPEN HOLES 13/16-INCH DIAMETER, UNLESS OTHERWISE SHOWN OR NOTED.
- ALL SHOP CONNECTIONS MAY BE HIGH STRENGTH BOLTED OR WELDED.
- ALL FIELD CONNECTIONS MAY BE HIGH STRENGTH BOLTED EXCEPT WHERE DETAILS INDICATE WELDING.
- ALL HIGH STRENGTH BOLTED CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A 325 OR A 490 BOLTS.
- ALL HIGH STRENGTH BOLTED CONNECTIONS SHALL BE FULLY PRE-TENSIONED UNLESS NOTED OTHERWISE.
- ALL HIGH STRENGTH BOLTS IN OVERSIZED HOLES SHALL BE SLIP CRITICAL.
- ALL HIGH STRENGTH BOLTED CONNECTIONS USED FOR KICKERS AND BRACING MEMBERS WHICH ARE FABRICATED WITH SLOTTED HOLES SHALL USE SLIP-CRITICAL BOLTS. IF STANDARD HOLES ARE USED, BOLTS SHALL BE FULLY PRE-TENSIONED.
- NO PENETRATIONS ARE PERMITTED THROUGH STRUCTURAL STEEL MEMBERS UNLESS INDICATED ON STRUCTURAL DRAWINGS OR APPROVED BY ENGINEER.
- APPROVAL OF THE ENGINEER SHALL BE MANDATORY FOR THE USE OF CUTTING TORCH IN THE FIELD.
- DURING ERECTION, STRUCTURAL STEEL FRAME SHALL BE ADEQUATELY BRACED IN ALL LINES, TWO WAYS.
- CONNECTIONS SHALL BE DESIGNED PER AISC TO CARRY FULL CAPACITY OF UNIFORMLY LOADED MEMBER, UNLESS NOTED OTHERWISE. REACTIONS GREATER THAN FULL MEMBER CAPACITY ARE INDICATED THUS (60K) ON PLAN.
- ALL GROUT UNDER STEEL PLATES SHALL BE NON-SHRINK "PRE-MIX" TYPE AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI.
- FOR ALL MISCELLANEOUS STEEL CONSTRUCTION NOT SHOWN ON STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS.
- EXPANSION BOLTS SHALL BE 3/4-INCH DIAMETER KWIK BOLT ANCHORS AS MANUFACTURED BY HILTI OR APPROVED EQUIVALENT AS APPROVED BY THE ENGINEER, AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- ALL STEEL COLUMN BASE PLATES SHALL INCLUDE LEVELING PLATES AS REQUIRED FOR CONSTRUCTION.
- ALL EXPOSED / EXTERIOR STEEL SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL, UNLESS OTHERWISE SHOWN ON THE DRAWINGS.

METAL DECKING

- METAL DECKING SHALL BE MADE OF STEEL CONFORMING TO ASTM A 446 FOR GALVANIZED DECK HAVING A MINIMUM YIELD STRENGTH OF 33,000 PSI. CORRUGATED METAL DECK FOR PERMANENT FORMWORK SHALL BE MADE OF STEEL CONFORMING TO ASTM A 446, GRADE E WITH A MINIMUM YIELD STRENGTH OF 80,000 PSI.
- METAL DECKING USED IN FLOOR CONSTRUCTION SHALL HAVE A PROTECTIVE ZINC COATING CONFORMING TO ASTM A 525, G-60. METAL DECKING USED IN ROOF CONSTRUCTION SHALL HAVE A PROTECTIVE ZINC COATING CONFORMING TO ASTM A 525, G-90.
- ALL METAL DECK HAS BEEN DESIGNED TO BE CONTINUOUS OVER THREE SPANS MINIMUM, AND SHALL BEAR AT LEAST 2 INCHES ON STEEL SUPPORTS. FOR ONE OR TWO SPAN CONDITIONS, THE CONTRACTOR SHALL PROVIDE SHORING AS REQUIRED, OR FURNISH HIGHER GAGE DECK AS REQUIRED TO SUPPORT ALL THE APPLICABLE LOADS.
- DECK SHALL BE WELDED TO SUPPORTING STEEL AT ENDS OF UNITS AND AT ALL INTERMEDIATE SUPPORTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SIDE LAPS SHALL BE WELDED OR SCREWED AT 3'-0" ON CENTER MAXIMUM FOR SPANS OF 5'-0". USE WELDING WASHERS FOR ATTACHING METAL DECK OF 23 GAGE OR LIGHTER.
- PROVIDE REINFORCING CHANNELS, STANDARD CLOSURES, CANT STRIPS, FINISH STRIPS, POUR STOPS AND OTHER ACCESSORIES AS SHOWN ON DRAWINGS OR AS REQUIRED.
- METAL DECK SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES PER FOOT WIDTH:
 - 1 1/2", TYPE B, WIDE RIB 20 GAGE (ROOF CONSTRUCTION)

$I = 0.212$ IN. ⁴
$S = 0.234$ IN. ³
 - 9/16" CORRUGATED 28 GAGE (PERMANENT FORMWORK FOR FLOOR SLAB)

$I = 0.012$ IN. ⁴
$S = 0.035$ IN. ³

MISCELLANEOUS

- CONTRACTOR SHALL VERIFY CONDITIONS IN THE FIELD AND IMMEDIATELY NOTIFY ENGINEER OF ANY CONDITIONS NOT AS ASSUMED. HE SHALL TAKE FIELD MEASUREMENTS AS REQUIRED AND BE RESPONSIBLE FOR SAME.
- CONTRACTOR SHALL COORDINATE WITH ALL RELATED TRADES FOR DETAILING, FABRICATION, AND ERECTION PRIOR TO SUBMITTING SHOP DRAWINGS FOR APPROVAL.
- ALL STRUCTURAL WORK SHALL BE COORDINATED WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, ETC. REQUIREMENTS, DISCREPANCIES AND/OR INTERFERENCE SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- GENERAL CONTRACTOR TO PROVIDE APPROPRIATE NUMBER OF COPIES OF ONE COMPLETE COORDINATED DRAWING SHOWING ALL SLEEVES, CONDUIT BOXOUT, DUCT OPENINGS, ETC. AS REQUIRED FOR ALL TRADES FOR ENGINEER'S APPROVAL. THIS SHALL BE DONE A MINIMUM OF TWO WEEKS PRIOR TO POURING AFFECTED SLABS, COLUMNS, OR FOOTINGS.
- NO OPENINGS SHALL BE MADE IN ANY STRUCTURAL MEMBER UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS OR OTHER APPROVAL FROM THE ENGINEER.
- SUPPORT DETAILS FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT IS BASED UPON AVAILABLE INFORMATION OF MANUFACTURER. CONTRACTOR SHALL COORDINATE REQUIREMENTS OF ACTUAL EQUIPMENT AND SHALL PROVIDE ANY ADDITIONAL REQUIRED FRAMING.

ABBREVIATIONS	
E.F.	EACH FACE
WF1	WALL FOOTING
CMU	CONCRETE MASONRY UNIT
V.I.F.	VERIFY IN THE FIELD
O.C.	ON CENTER
E.W.	EACH WAY
T&B	TOP & BOTTOM
AL	ALUMINUM
CS	CARBON STEEL
SS	STAINLESS STEEL
CL	CENTER LINE
GALV.	GALVANIZED
T.O.M.	TOP OF MASONRY
EOS	EDGE OF SALB

STRUCTURAL DRAWING LIST	
DRAWING #	DRAWING TITLE
S-1	STRUCTURAL COVER SHEET
S-2	FOUNDATION & TOP SLAB PLANS
S-3	BUILDING FLOOR PLAN
S-4	EXTERIOR ELEVATIONS
S-5	STRUCTURAL SECTIONS AND DETAILS
S-6	STRUCTURAL SECTIONS AND DETAILS



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DATE: 09.03.2024
DENNIS K. YODER
 NJ PROFESSIONAL ENGINEER LIC. No. 31866

DATE: 09.03.2024
KENNETH C. RESSLER
 NJ PROFESSIONAL ENGINEER LIC. No. 34559

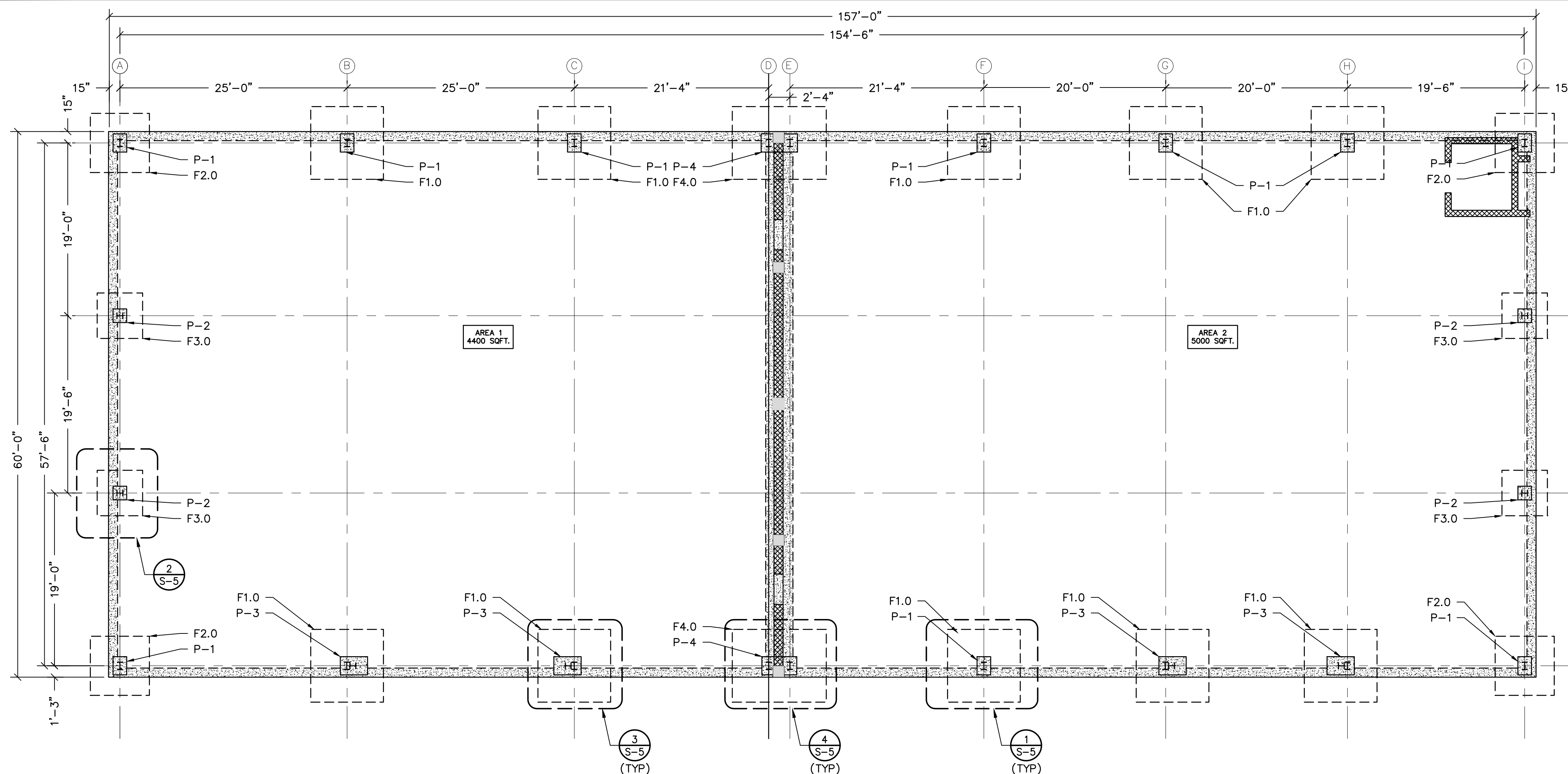
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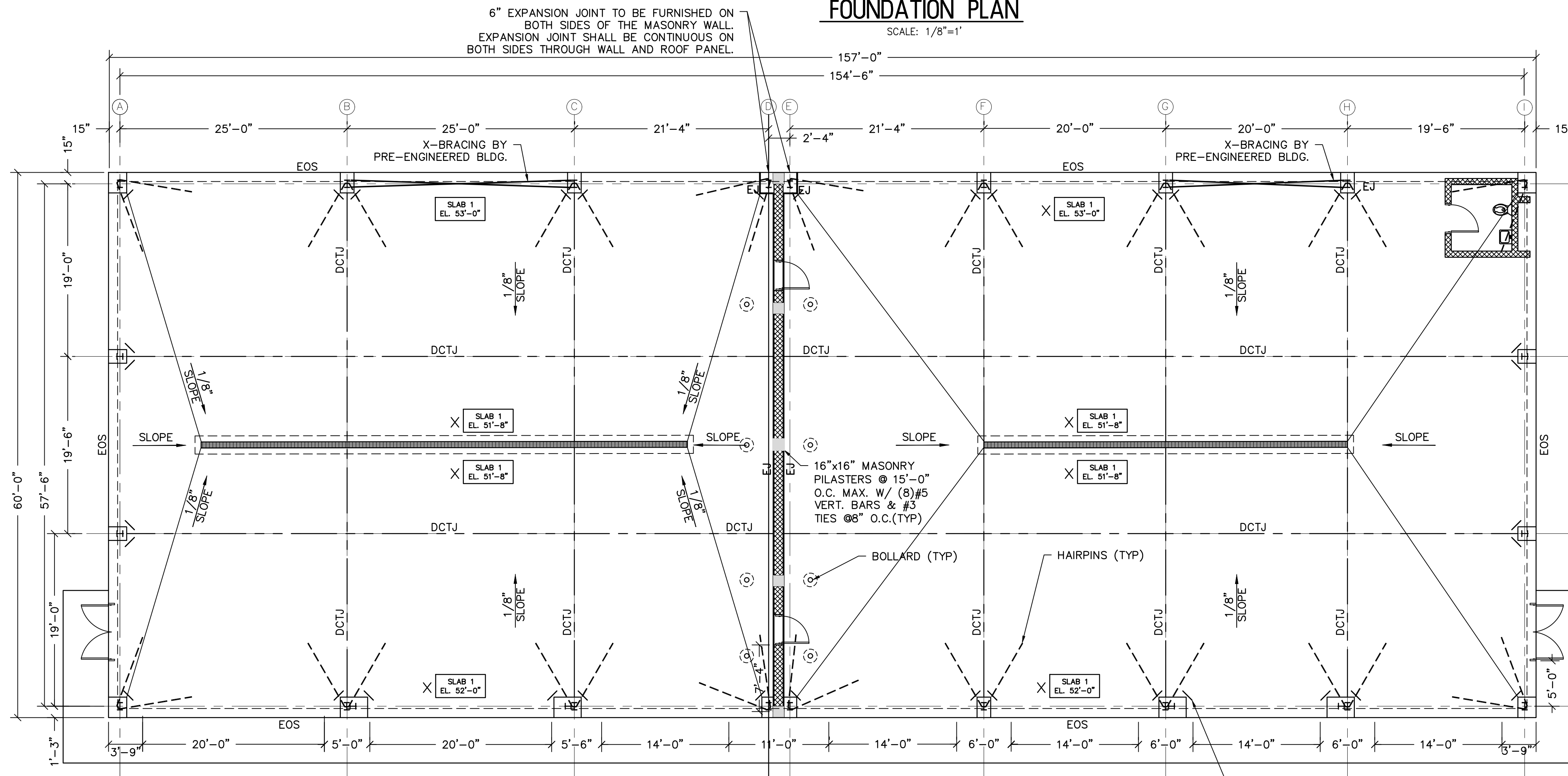
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2	PER ELSA FINAL COMMENTS	11.24.24	JG	AK
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STRUCTURAL COVER SHEET
 EWING LAWRENCE SEWAGE AUTHORITY
ELSA VEHICLE STORAGE BUILDING
 TOWNSHIP OF LAWRENCE
 MERCER COUNTY, NEW JERSEY

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J.G.	A.K.	K.C.R.	AS NOTED
DATE:	SHEET No.:		
5.16.2024	S-1		
JOB No.:	1102M026		



FOUNDATION PLAN
SCALE: 1/8"=1'



TOP SLAB PLAN
SCALE: 1/8"=1'

COLUMN FOOTING SCHEDULE	
F10	8'x8'x18" THICK W/(8)#6 @12" O.C. E.W. T&B
F20	6'x6'x18" THICK W/(7)#6 @12" O.C. E.W. T&B
F30	5'x5'x12" THICK W/(5)#5 E.W. T&B
F40	10'-4"x8'x18" THICK W/#6@12"O.C., E.W., T&B

SLAB ON GRADE SCHEDULE	
SLAB-1 *	10" THICK S.O.G. W/#5@12" O.C., E.W., ON 10 MIL VAPOR BARRIER AND 8" CRUSHED STONE

LEGEND	
EXPANSION JOINT= EJ	
DOWELED CONTROL JOINT= DCTJ	



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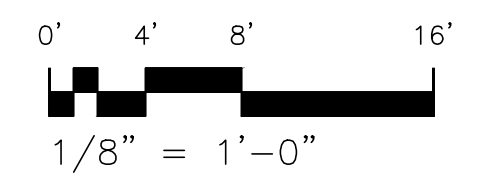
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FOUNDATION & TOP SLAB PLANS
EWING LAWRENCE SEWAGE AUTHORITY
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TOWNSHIP OF LAWRENCE
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BUILDING FLOOR PLAN

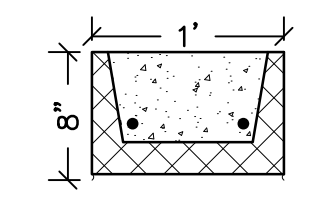
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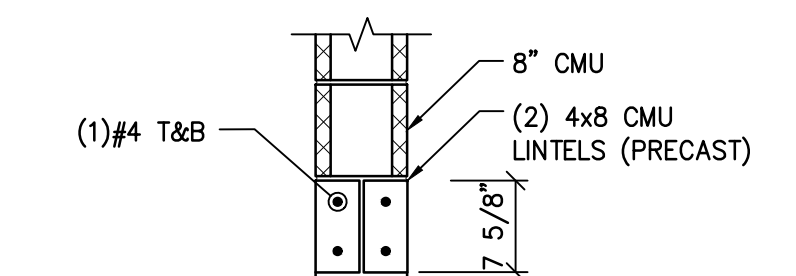
LINTEL SCHEDULE	
L-1	12"x8" PRECAST U-LINTEL MANUFACTURED BY YORK BUILDING PRODUCTS (OR APPROVED EQUAL)

NOTE:

- GROUT CELLS SOLID W/PEA GRAVEL CONCRETE FOR FULL WALL HEIGHT UNDER LINTEL FOR 8" BEARING LENGTH.



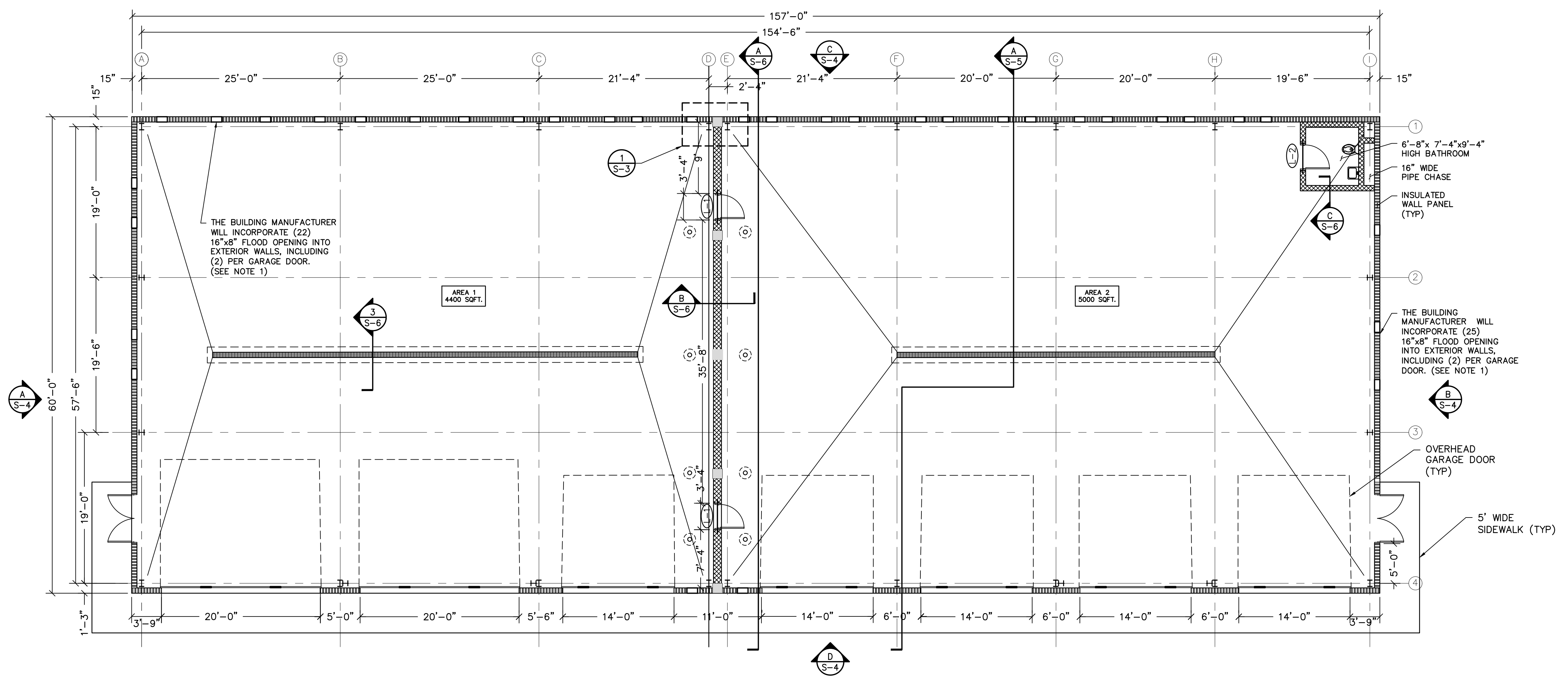
L-1



L-2

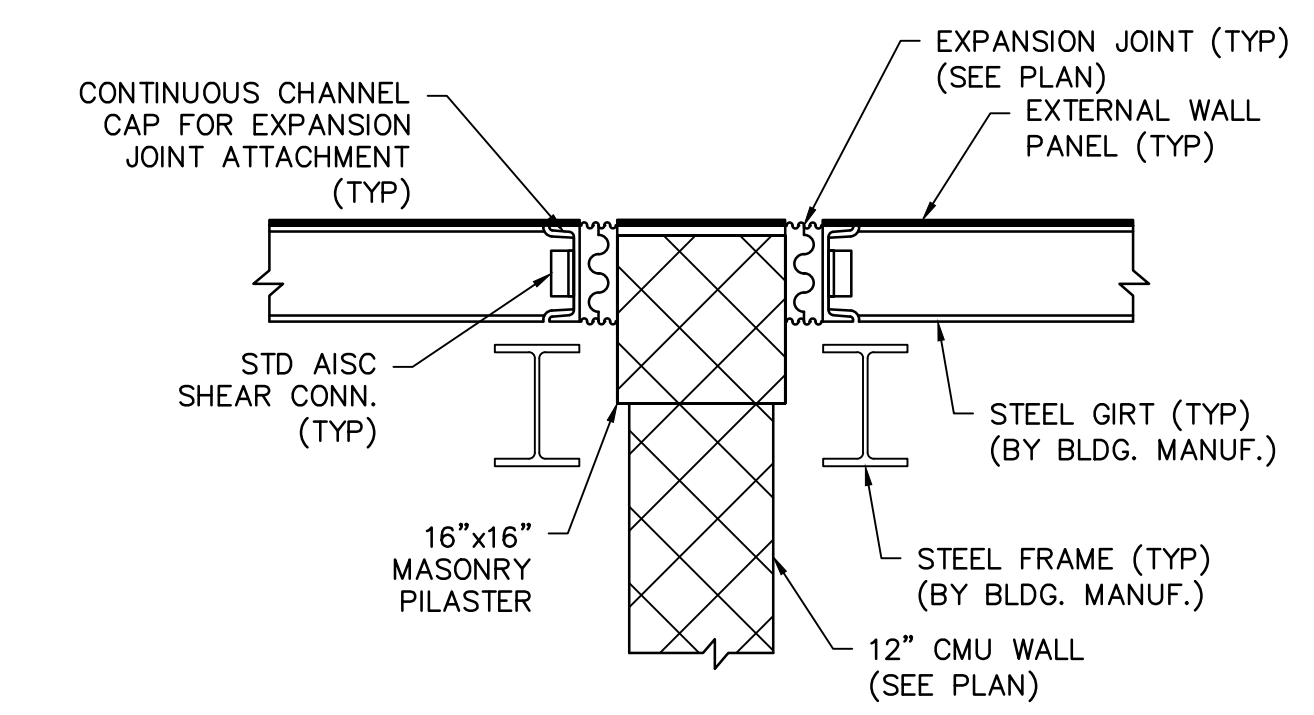
NOTE:

- INSULATED FLOOD VENTS MANUFACTURED BY SMART VENT (OR APPROVED EQUAL) ARE TO BE RATED FOR 200 SQUARE FEET OF FLOOD AREA, AND ARE TO BE INSTALLED PER MANUFACTURER REQUIREMENTS. ALL FLOOD VENT PENETRATIONS SHALL BE PROPERLY SEALED TO PROTECT INSULATED WALL PANELS.

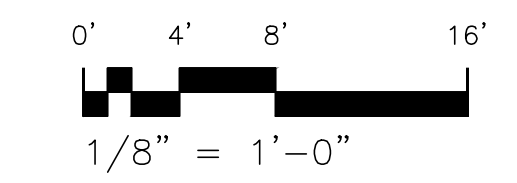


FLOOR PLAN

SCALE: 1/8"=1'



1 EXPANSION JOINT DETAIL
 N.T.S.





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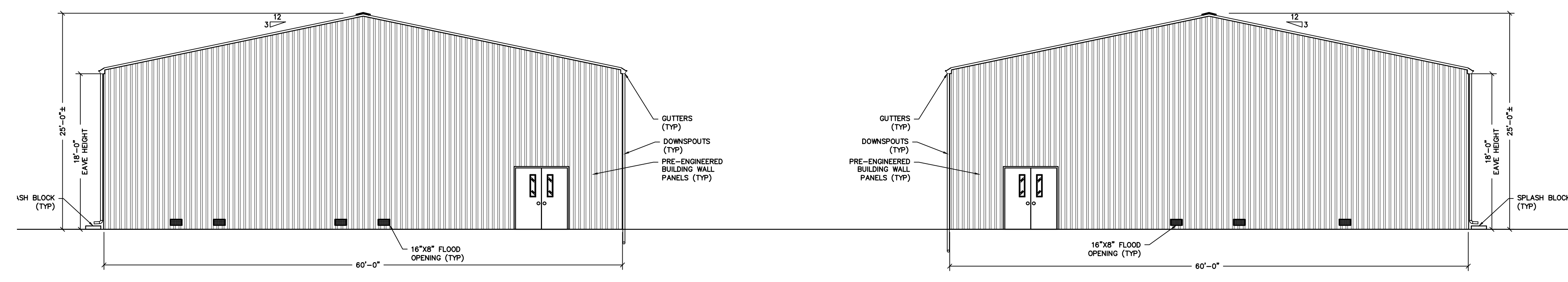
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NO.	REVISION	DATE	BY	CHK
2	PER ELSA FINAL COMMENTS	11.24.24	AK	AK
1	PRE ELSA PRE REVIEW COMMENTS	09.03.24	AK	AK

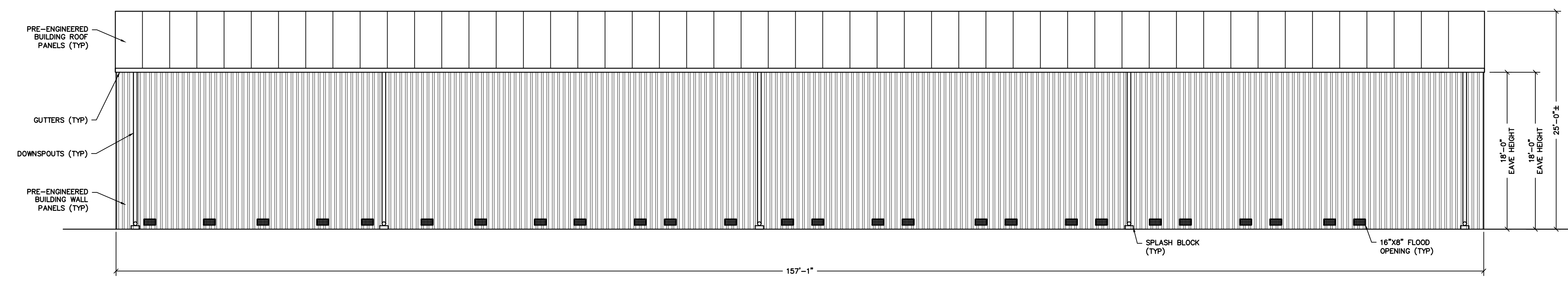
EXTERIOR ELEVATIONS
 EWING LAWRENCE SEWAGE AUTHORITY
ELSA VEHICLE STORAGE BUILDING
 TOWNSHIP OF LAWRENCE MERCER COUNTY NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
J.G.	A.K.	K.C.R.	AS NOTED
DATE:	SHEET No.:		
5.16.2024	S-4		
JOB No.:	1102M026		

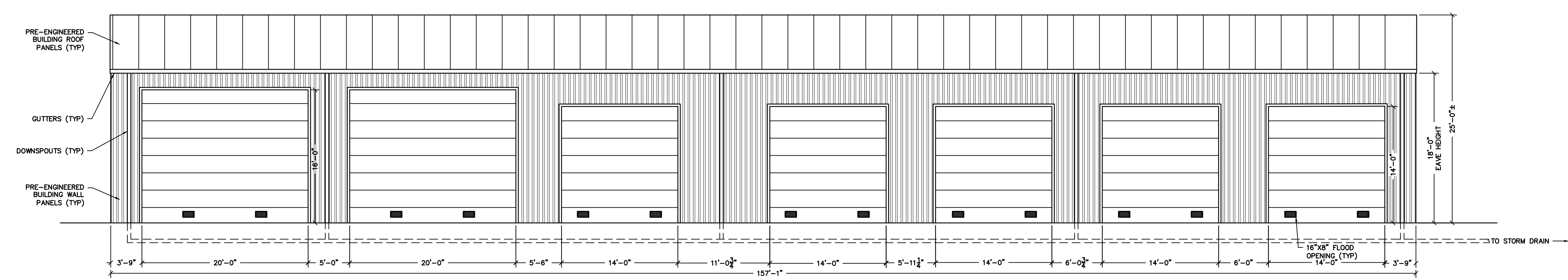


A EXTERIOR ELEVATION
 S-4 SCALE: 1/8"=1'

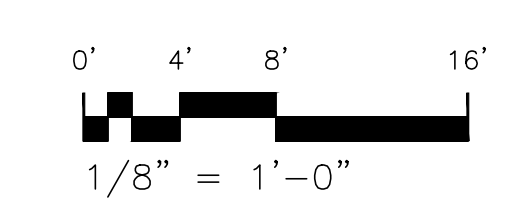
B EXTERIOR ELEVATION
 S-4 SCALE: 1/8"=1'



C EXTERIOR ELEVATION
 S-4 SCALE: 1/8"=1'



D EXTERIOR ELEVATION
 S-4 SCALE: 1/8"=1'





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DATE: 09.03.2024
DENNIS K. YODER
 NJ PROFESSIONAL ENGINEER LIC. No. 31866

DATE: 09.03.2024
KENNETH C. RESSLER
 NJ PROFESSIONAL ENGINEER LIC. No. 34559

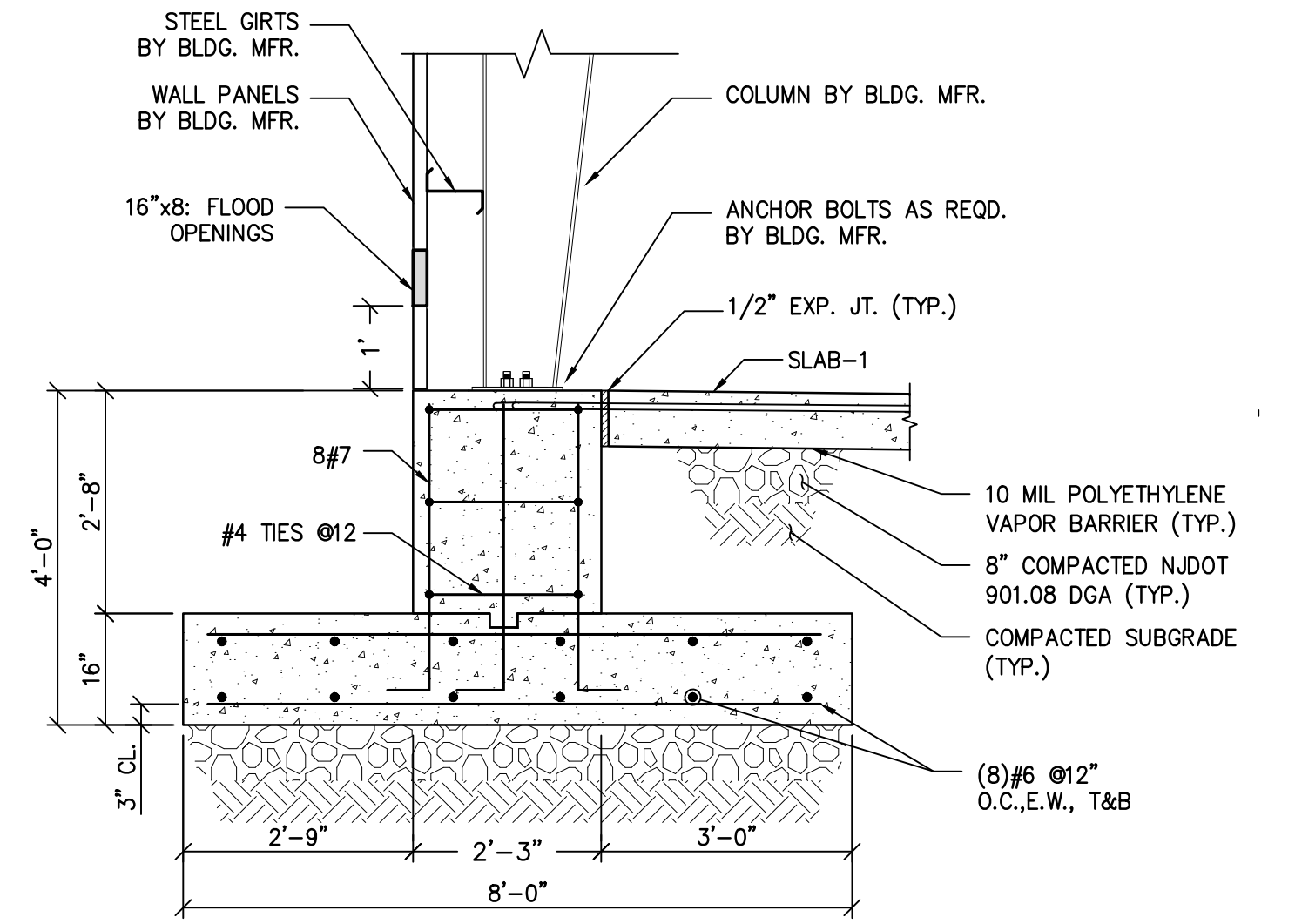
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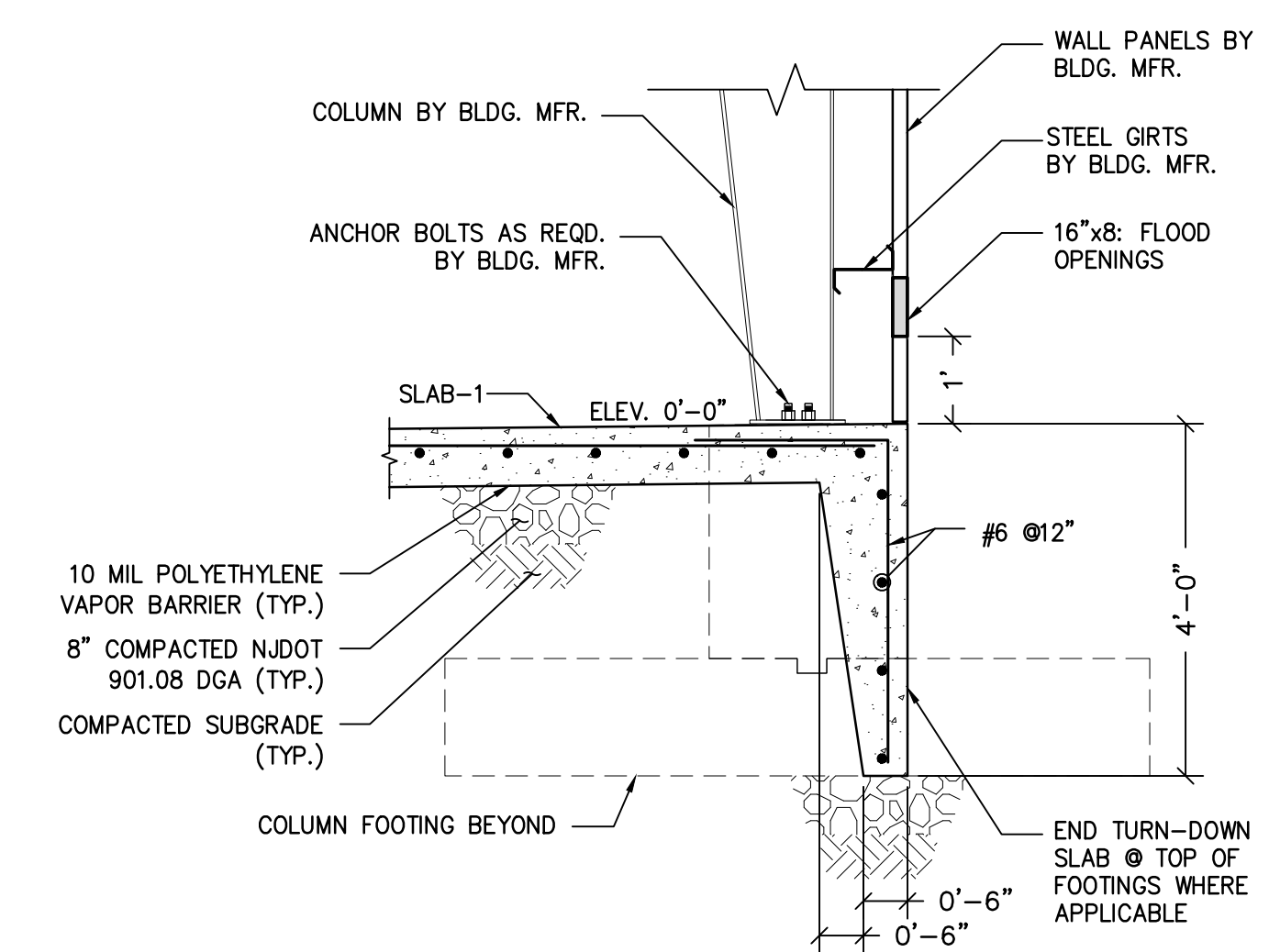
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STRUCTURAL SECTIONS AND DETAILS
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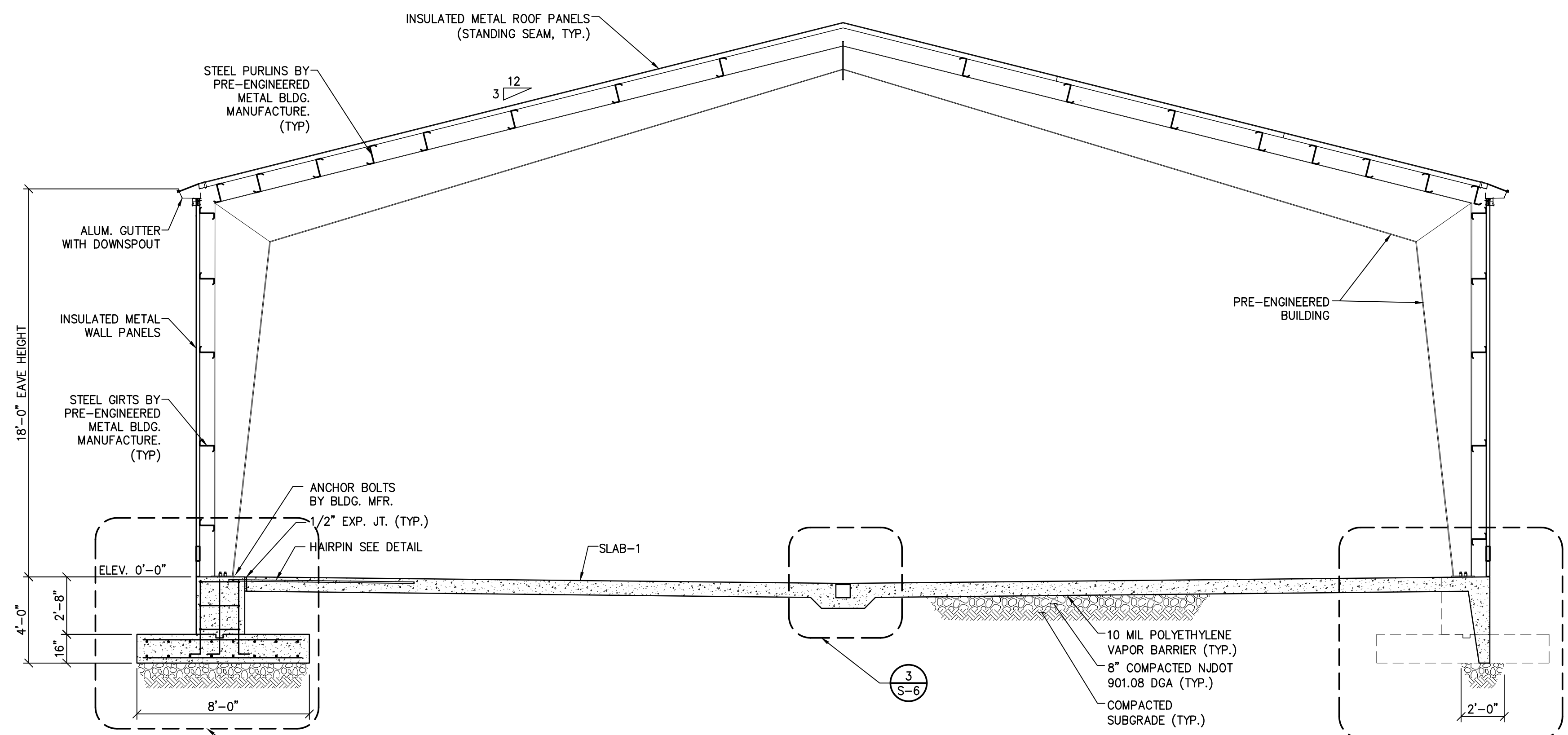
DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
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DATE:	SHEET No.:		
5.16.2024	S-5		
JOB No.:	1102M026		



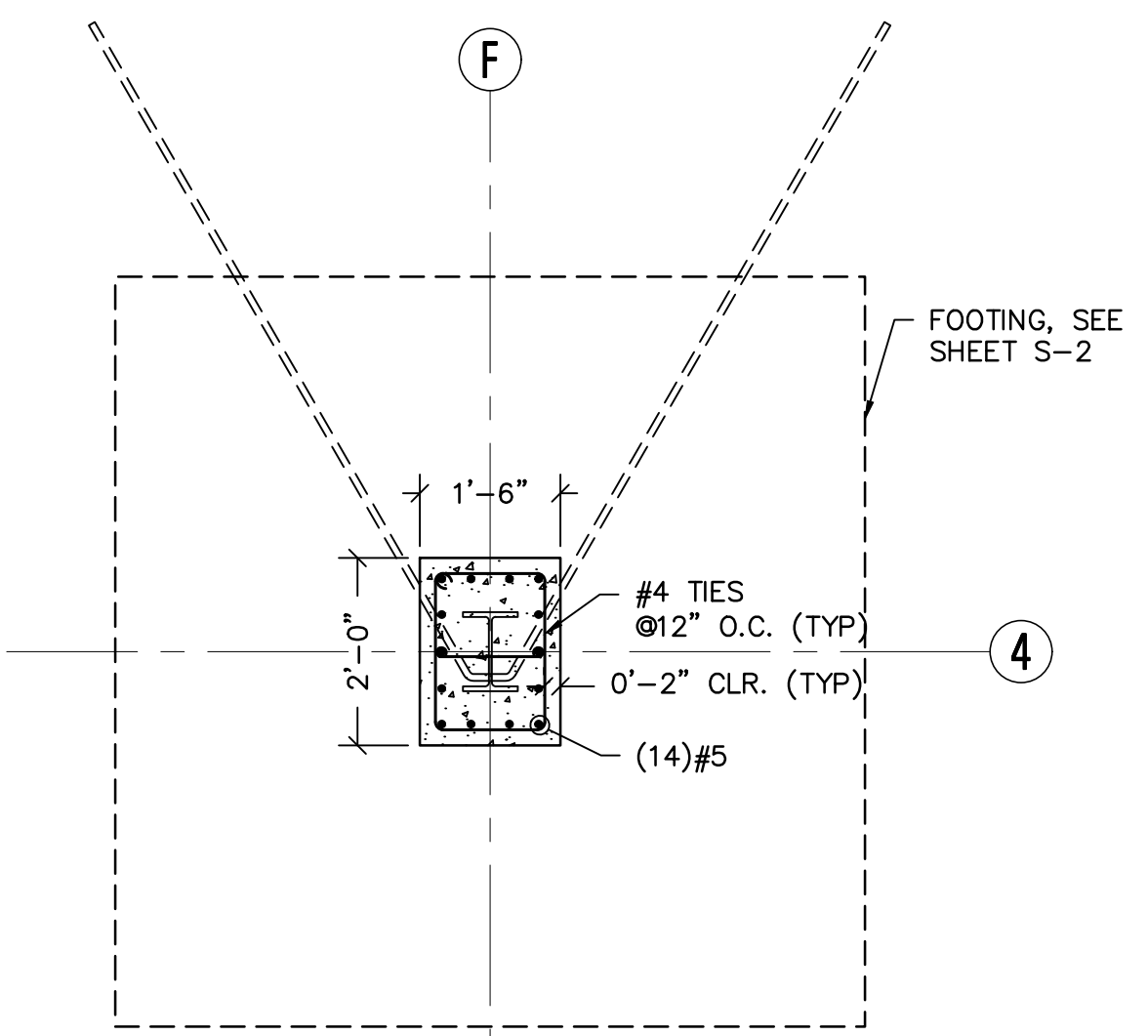
SECTION B-S-5
 SCALE: 1/2"=1"



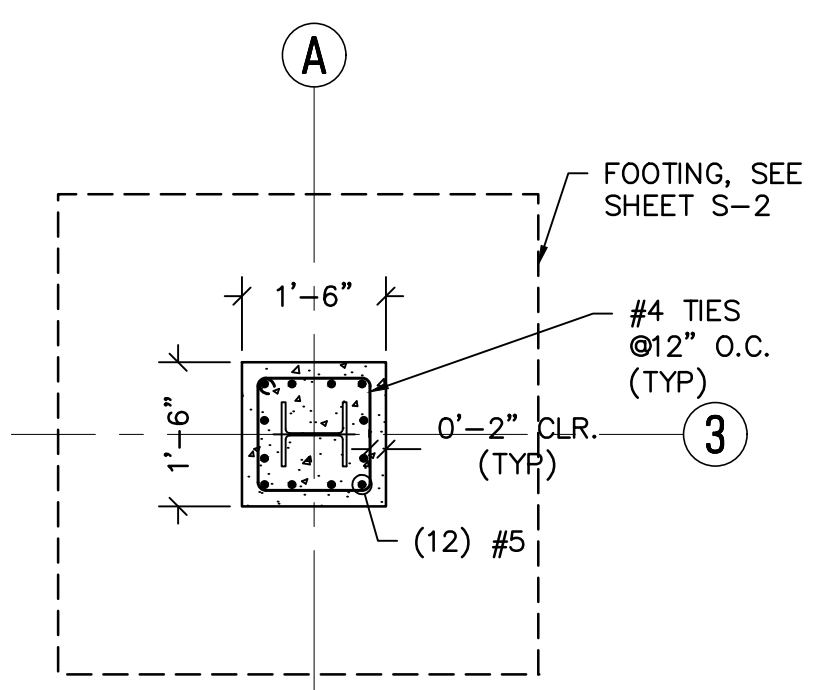
SECTION C-S-5
 SCALE: 1/2"=1"



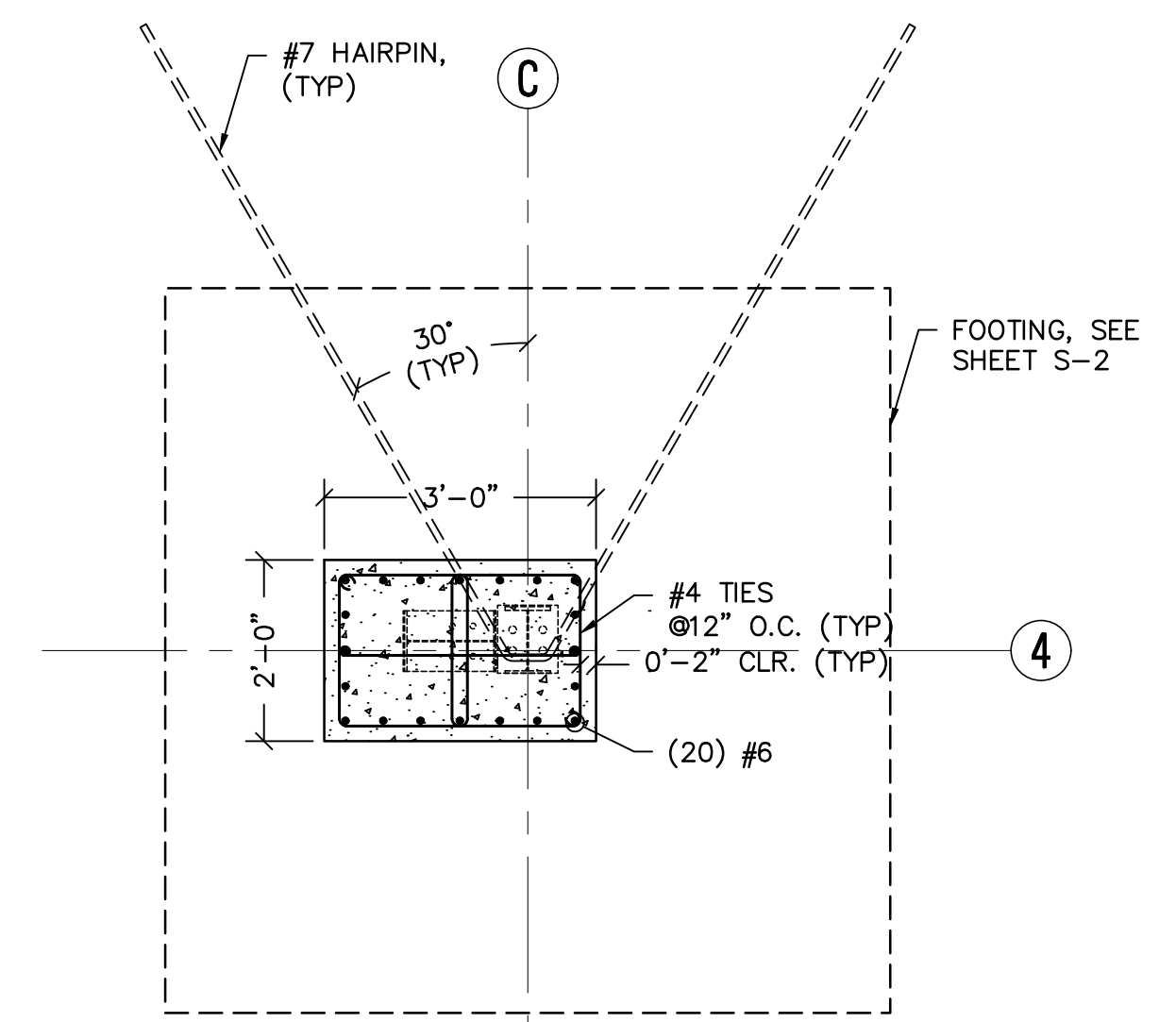
SECTION A-S-5
 SCALE: 1/4"=1"



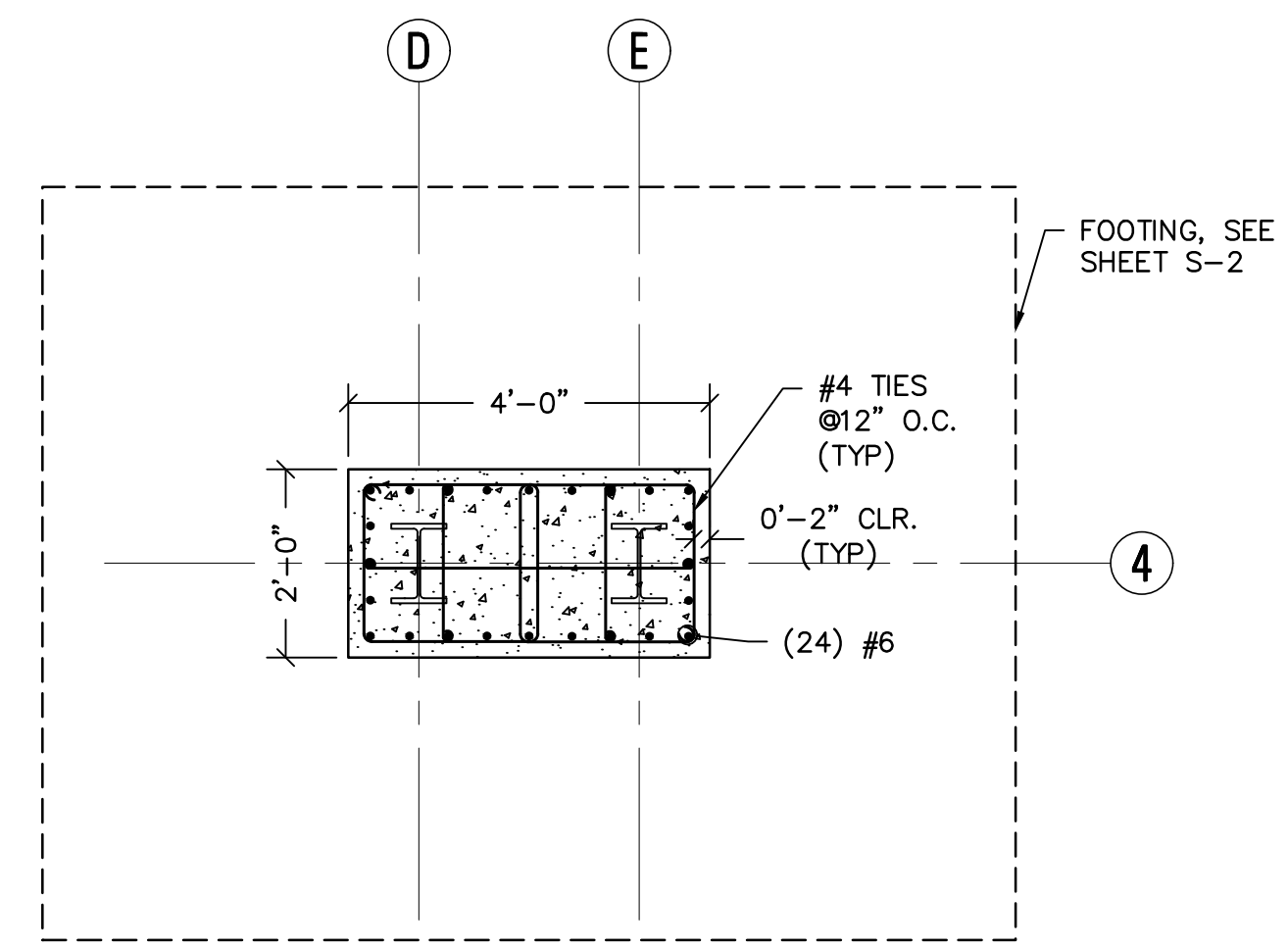
DETAIL P-1
 SCALE: 1/2"=1"



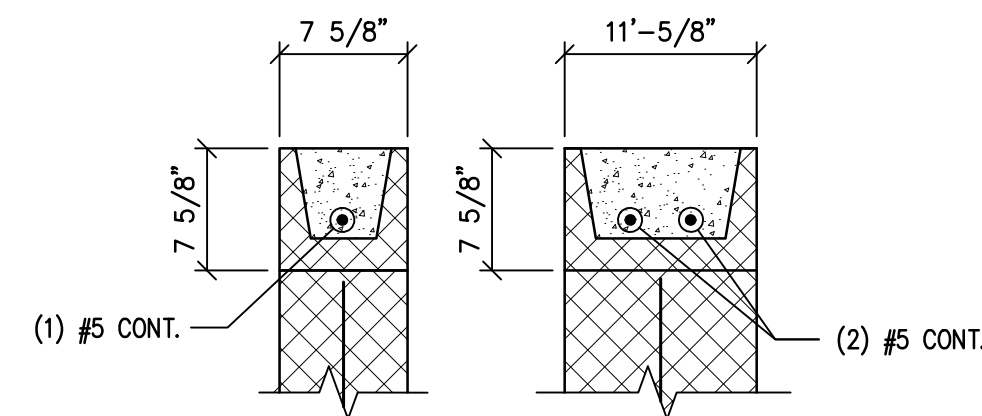
DETAIL P-2
 SCALE: 1/2"=1"



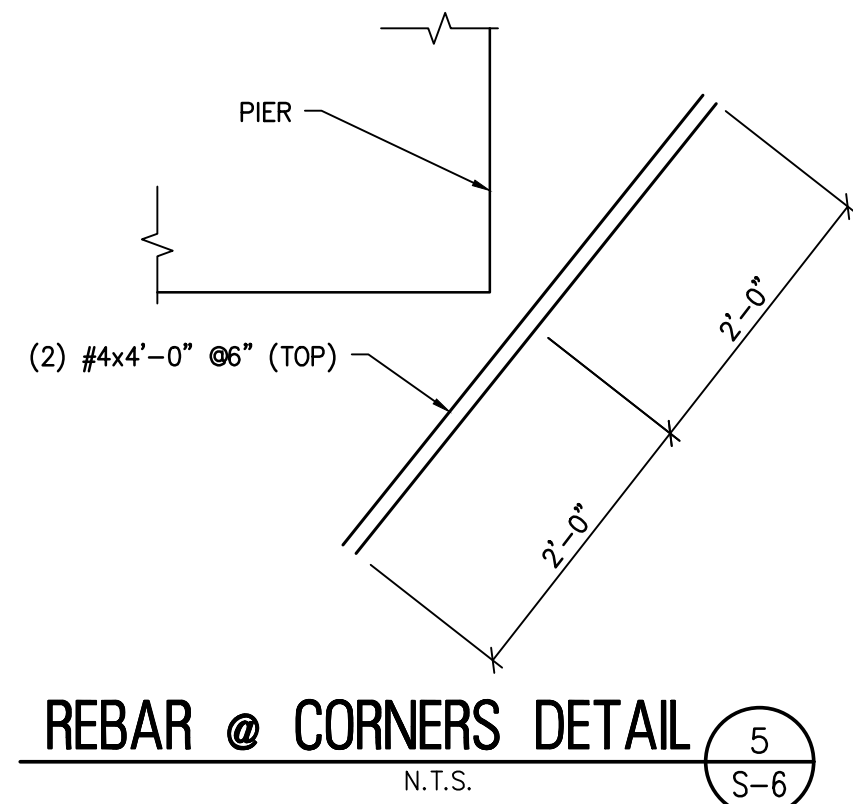
DETAIL P-3
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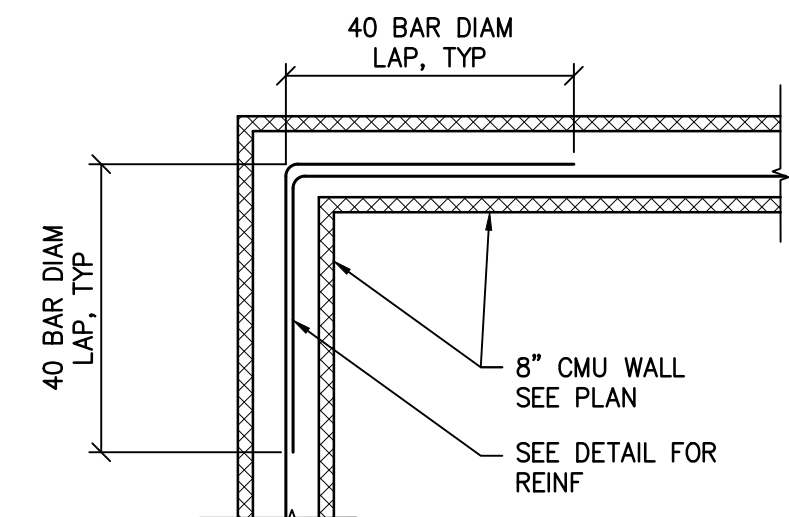
DETAIL P-4
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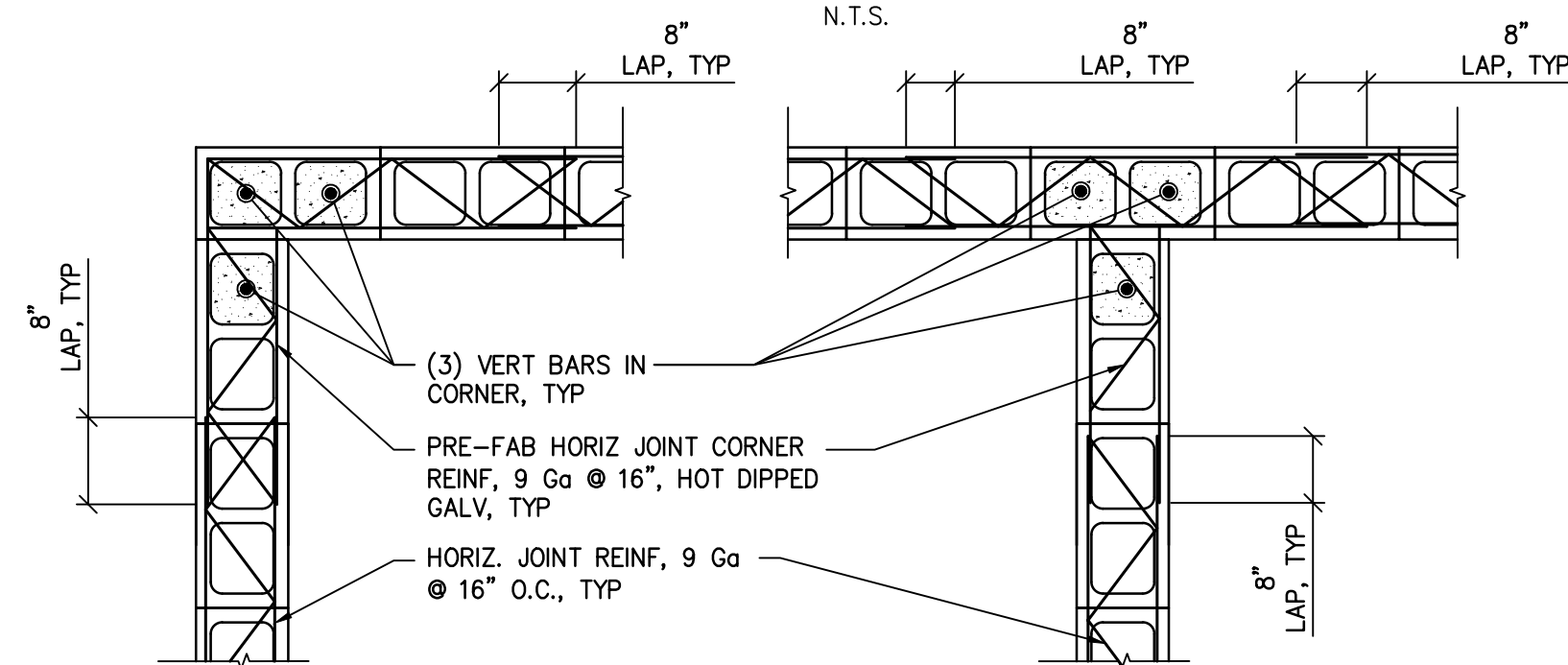
BOND BEAM DETAILS
N.T.S. (4) S-6



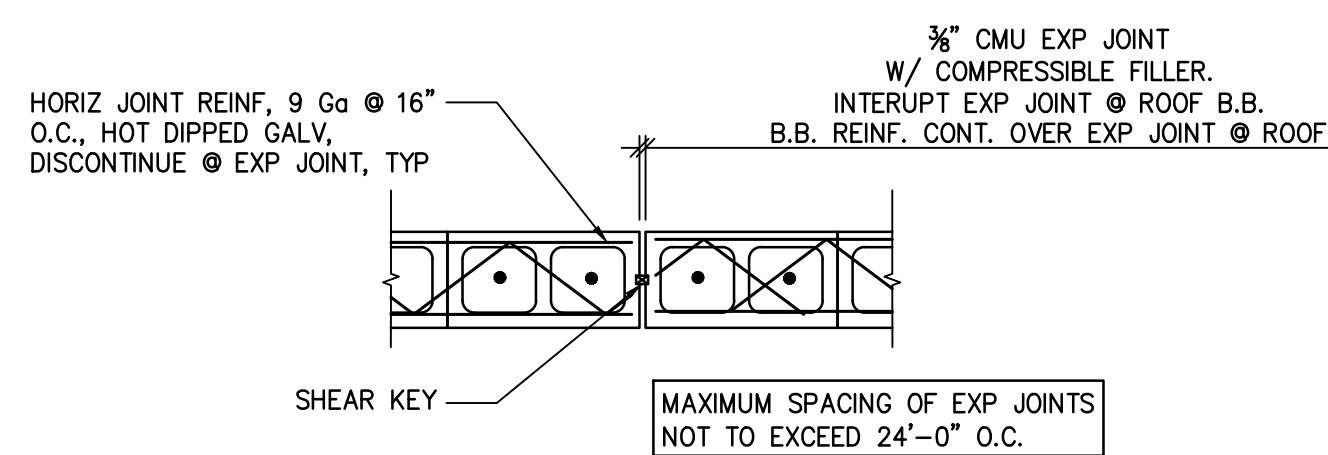
REBAR @ CORNERS DETAIL
N.T.S. (5) S-6



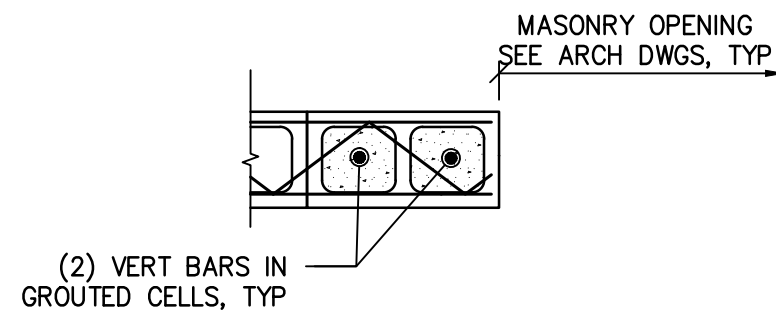
8" CMU CORNER DETAIL
N.T.S.



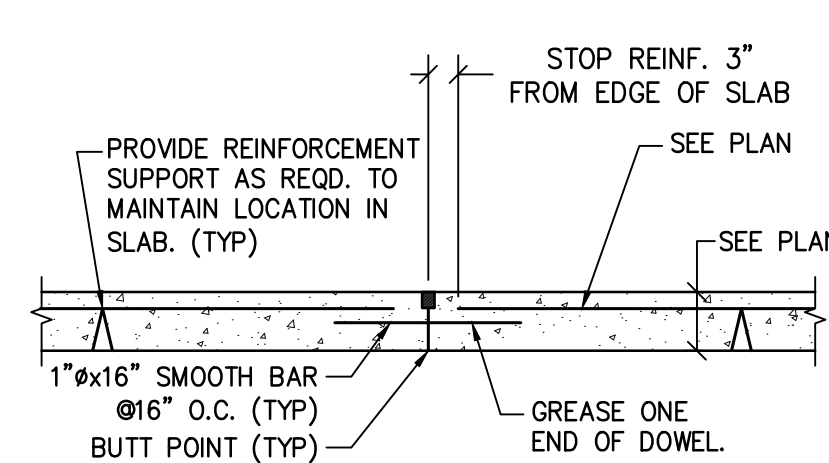
TYPICAL CMU CONTRACTION JOINT DETAIL
N.T.S.



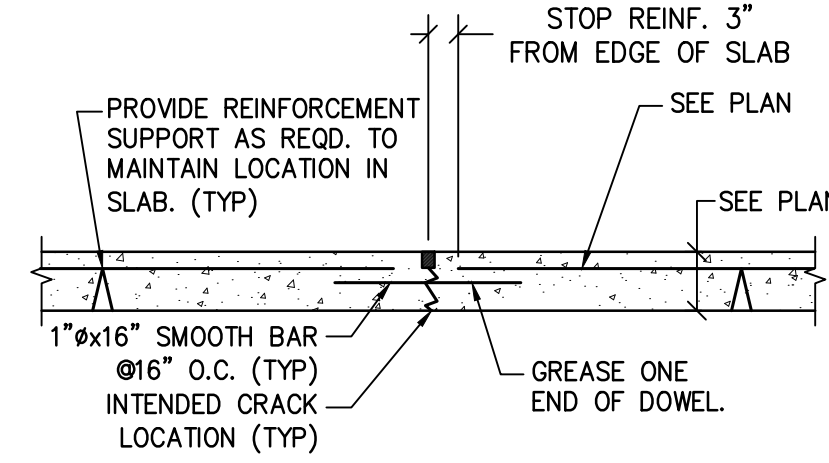
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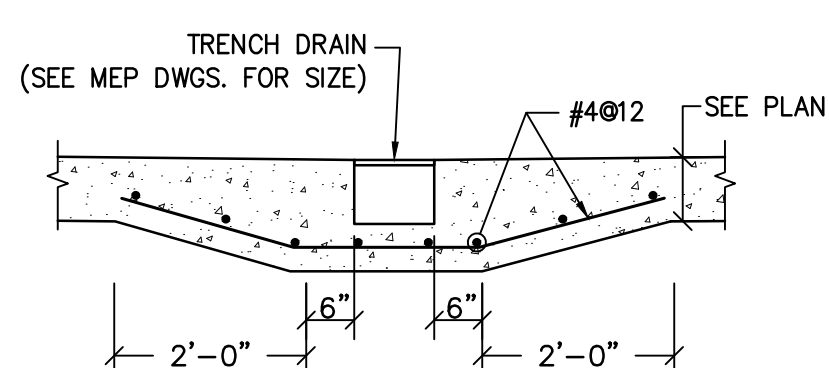
TYPICAL CMU REINF. @ MASONRY OPENING DETAIL
N.T.S.



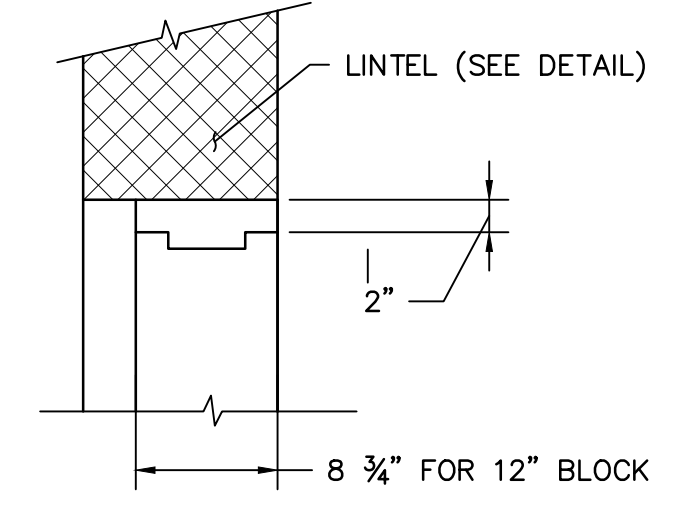
1 DOWELED SLAB CONSTRUCTION JOINT
N.T.S. (S-6)



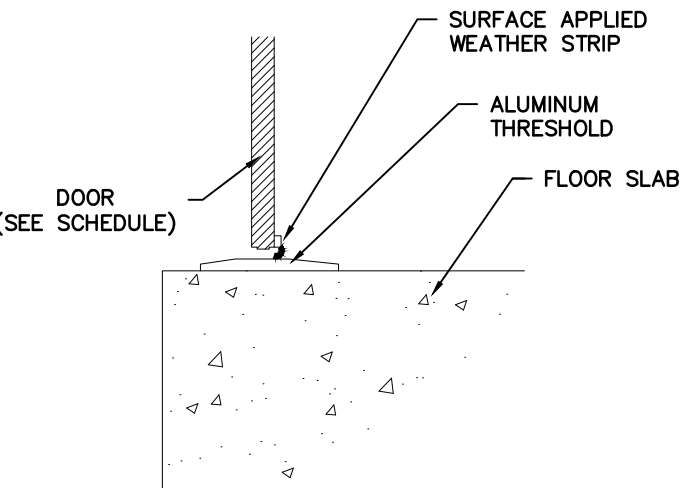
2 DOWELED SLAB CONTROL JOINT
N.T.S. (S-6)



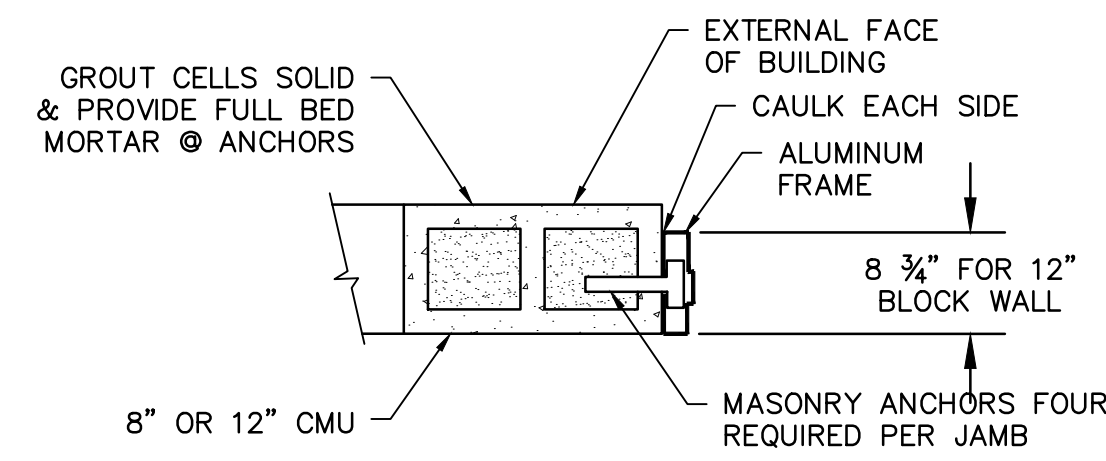
3 TRENCH DRAIN DETAIL
N.T.S. (S-6)



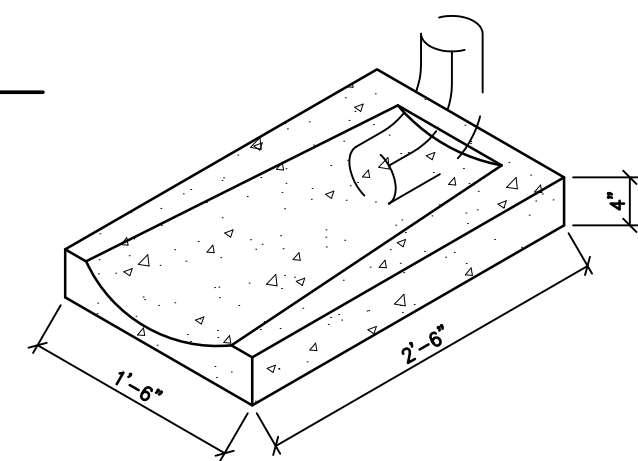
TYPICAL DOOR HEAD DETAIL
N.T.S.



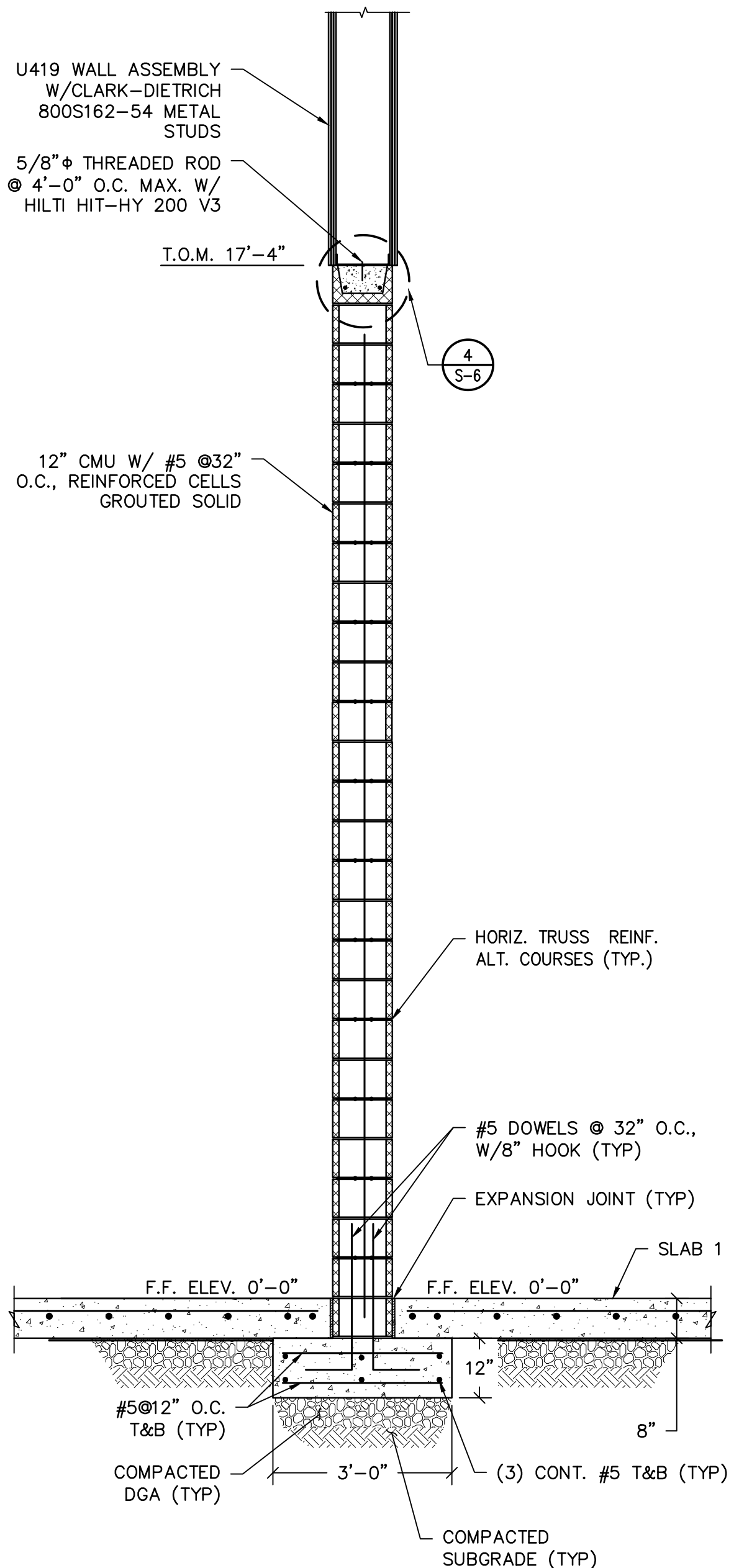
DOOR THRESHOLD DETAIL
N.T.S.



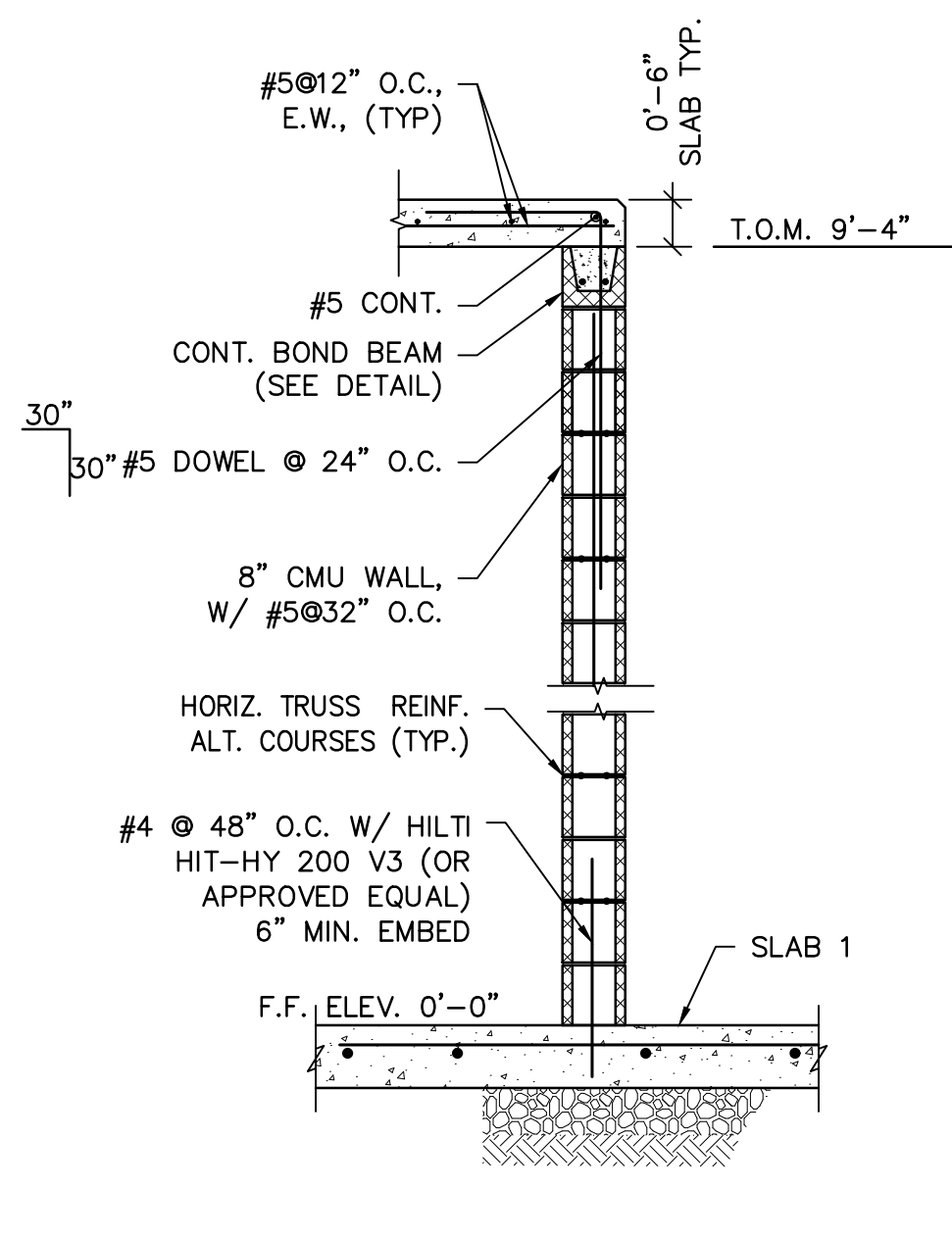
TYPICAL DOOR JAMB DETAIL
N.T.S.



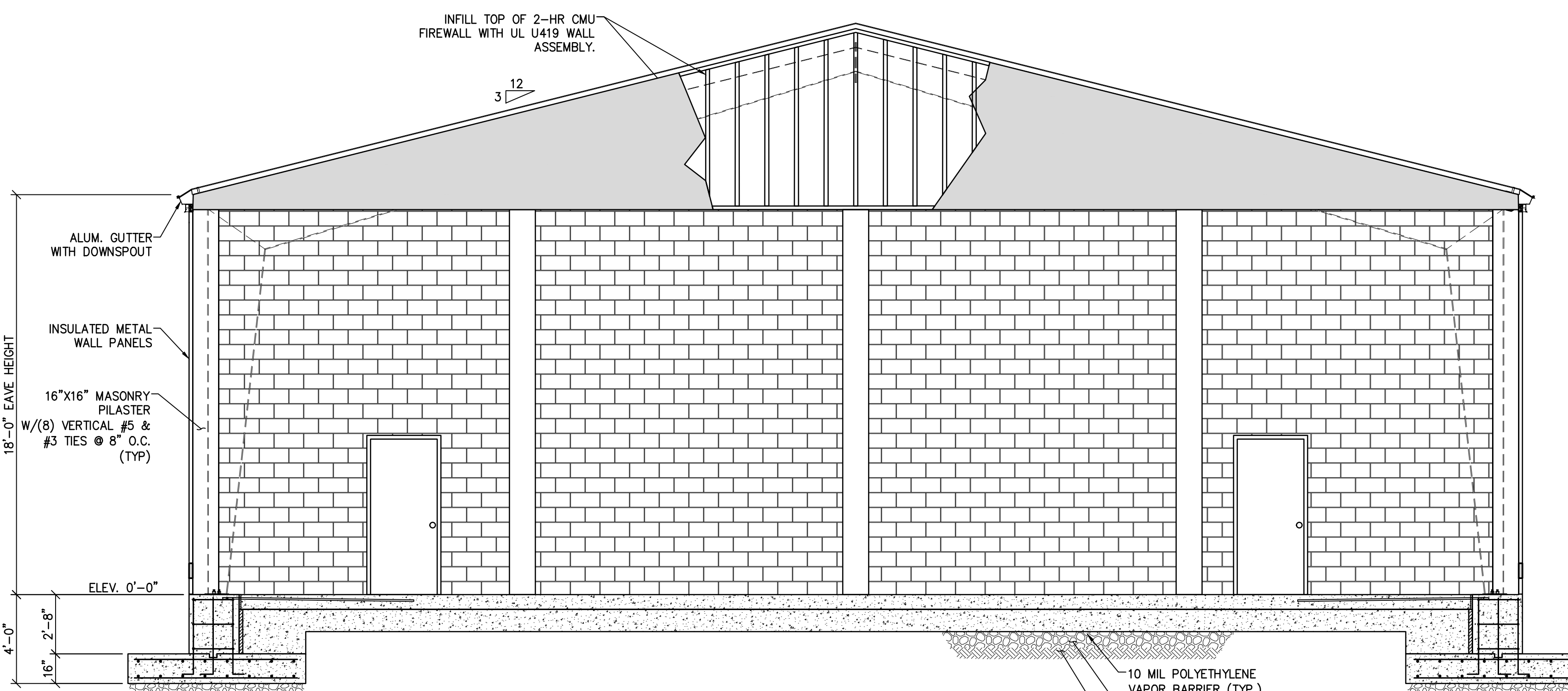
CONCRETE SPLASH PAD DETAIL
N.T.S.



B SECTION
SCALE: 1/2"=1'



C SECTION
SCALE: 1/2"=1'



A SECTION
SCALE: 1/4"=1'

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