

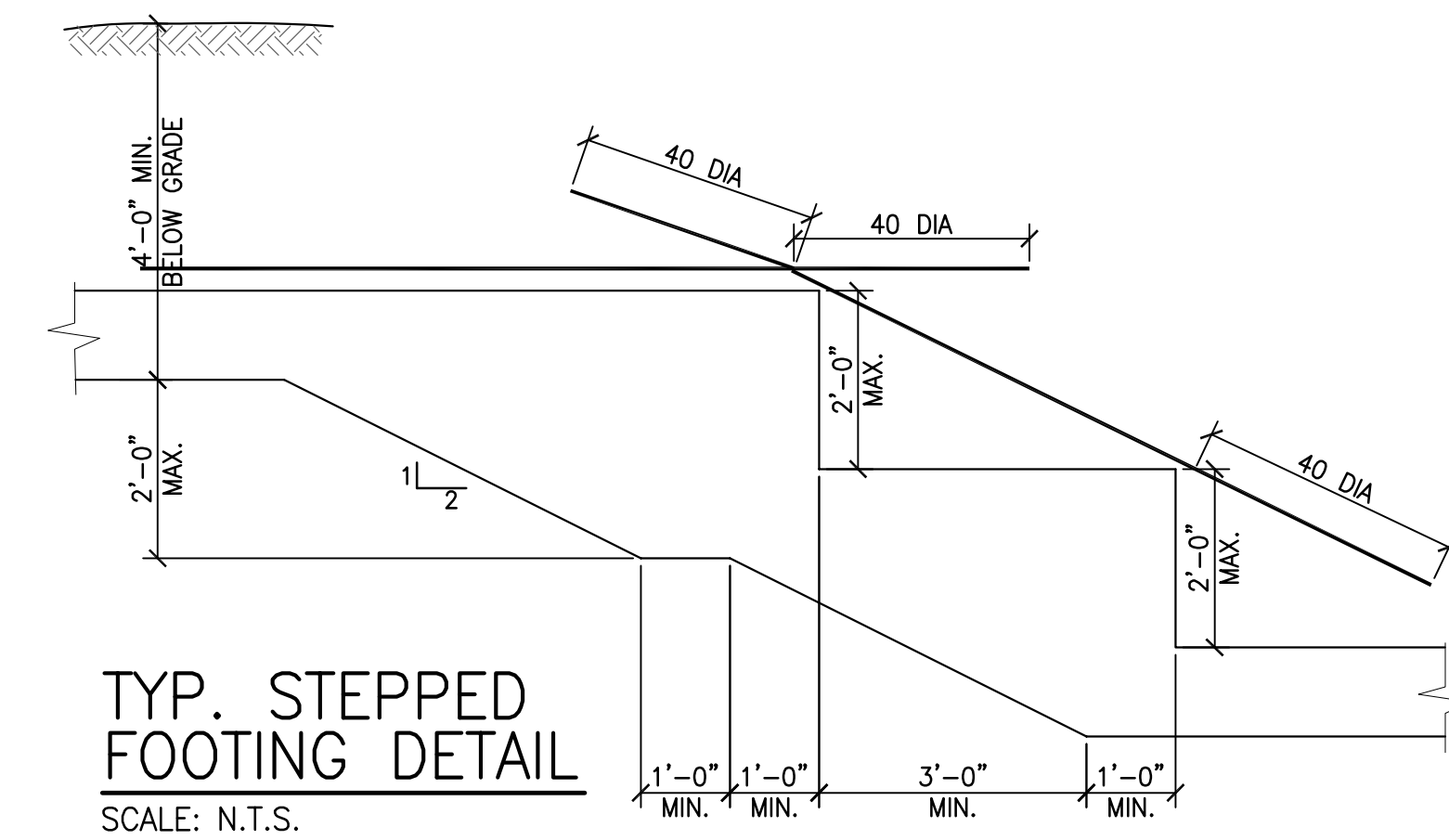
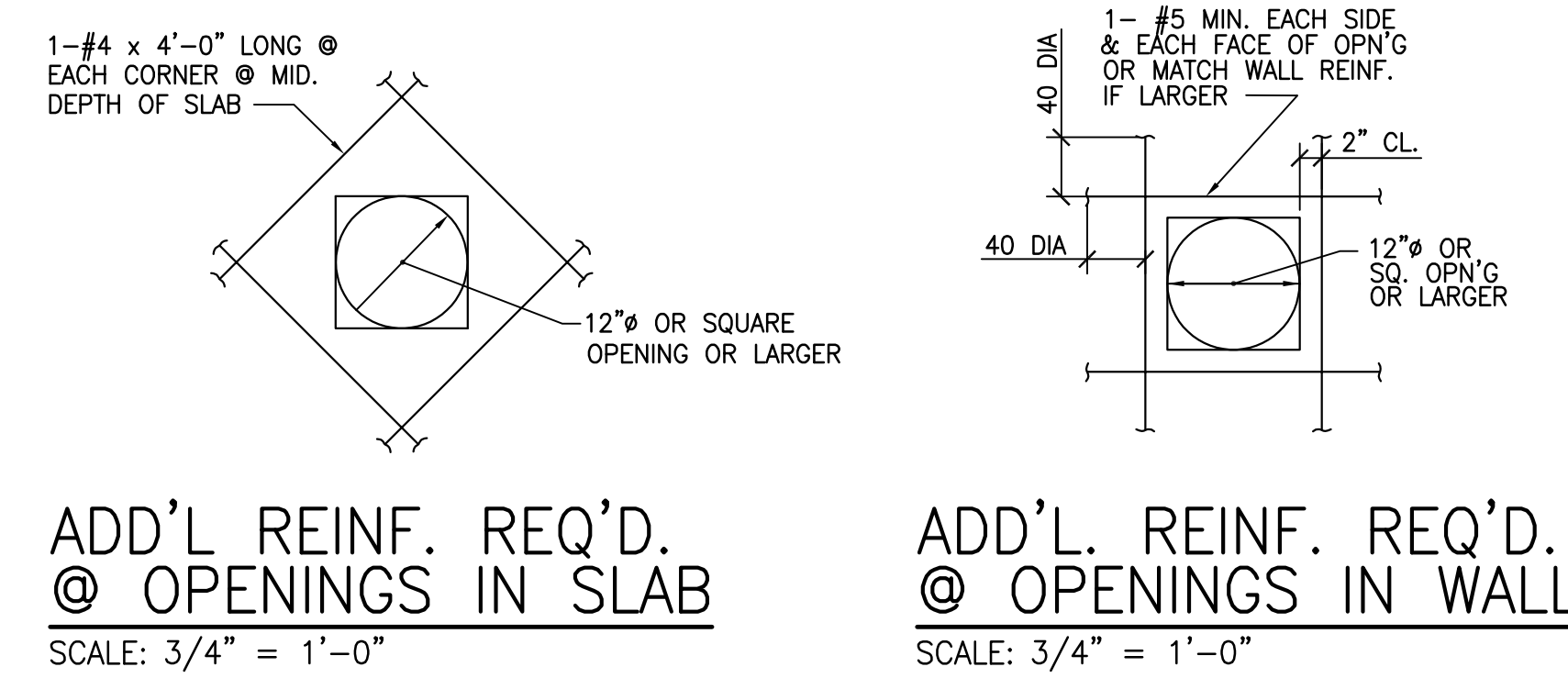
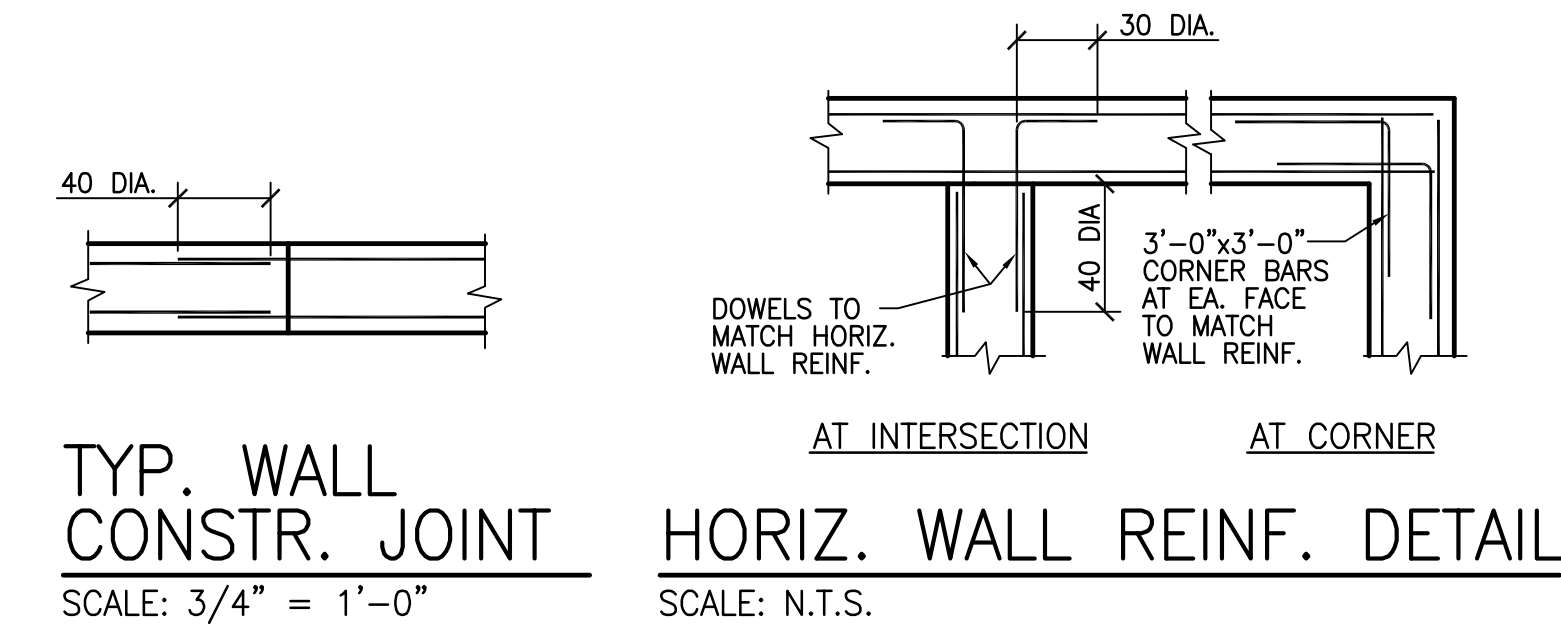
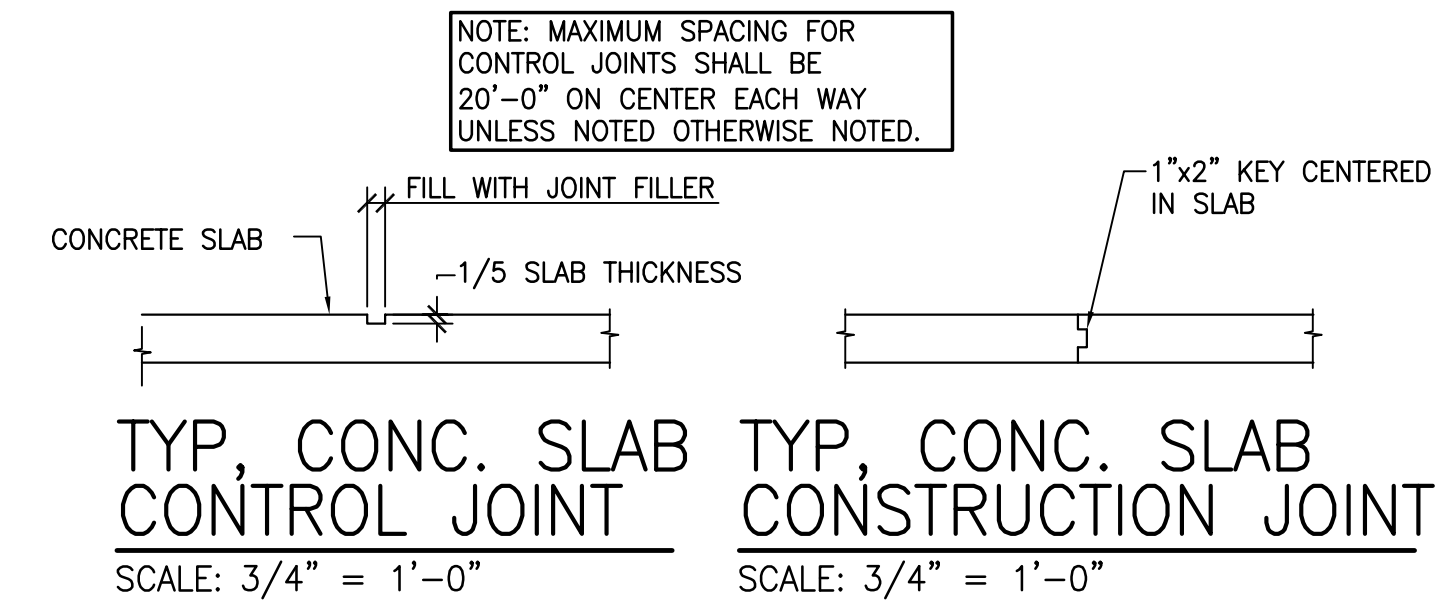
GENERAL NOTES:

- THE STRUCTURAL DESIGN IS IN ACCORDANCE WITH CHAPTER 16 2018 INTERNATIONAL BUILDING CODE.
- THE CONTRACTOR SHALL INSURE THAT ALL WORK IS COMPLETED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES AND ORDINANCES.
- REPRODUCTION OF ANY PORTION OF THE STRUCTURAL DRAWINGS IS A VIOLATION OF COPYRIGHT LAWS. ALL PLANS, NOTES, DETAILS, AND SECTIONS MUST BE REDRAWN AND COORDINATED WITH THE ARCHITECTURAL DRAWINGS AND THE BUILDING MANUFACTURER'S DRAWINGS. REPRODUCED CONTRACT DOCUMENTS THAT ARE SUBMITTED WILL NOT BE REVIEWED.
- THE CONTRACTOR SHALL VERIFY ALL INFORMATION SHOWN ON THE PLANS PRIOR TO INITIATING CONSTRUCTION, AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THOSE SHOWN ON THE PLANS FOR POSSIBLE MODIFICATION OF THE DESIGN OR DETAILS.
- THE CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS AND THE BUILDING MANUFACTURER'S DRAWINGS FOR INFORMATION NOT NOTED ON THE STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS AND THE BUILDING MANUFACTURER'S DRAWINGS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMPLETION OF SHOP DRAWINGS.
- ANY DEVIATION FROM, ADDITION TO, SUBSTITUTION FOR, OR MODIFICATIONS TO THE DRAWINGS SHOWN ON THESE DRAWINGS SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR REVIEW. SHOP DRAWINGS THAT ARE SUBMITTED FOR REVIEW DO NOT CONSTITUTE "IN WRITING" UNLESS IT IS CLEARLY NOTED THAT SPECIFIC CHANGES ARE BEING SUGGESTED.
- THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHODS OF CONSTRUCTION UNLESS SO STATED OR NOTED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT WORKERS AND OTHER PERSONS DURING CONSTRUCTION.
- THE STRUCTURAL DRAWINGS ARE NOT TO BE SCALED FOR DETERMINATION OF QUANTITIES, LENGTHS OR FIT OF MATERIALS.
- THE CONTRACTOR SHALL BE SOLELY AND EXCLUSIVELY RESPONSIBLE FOR THE ADEQUACY OF ALL SHORING AND BRACING. THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION SHORING AND BRACING OF ALL STRUCTURAL WORK AS REQUIRED FOR THE STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF ANY CONDITION WHICH, IN HIS OPINION, MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAUSE DISTRESS IN THE STRUCTURE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO INITIATING FABRICATION.
- DESIGN LOADS:
LIVE LOADS: PER PRE-ENGINEERED BUILDING MANUFACTURER
DEAD LOADS: PER PRE-ENGINEERED BUILDING MANUFACTURER

OTHER DEAD LOADS HAVE BEEN CALCULATED TO INCLUDE THE ACTUAL WEIGHT OF ALL WORK SHOWN ON THE STRUCTURAL DRAWINGS. NO EQUIPMENT SHALL BE PLACED ON OR HUNG FROM THE ROOF SYSTEM WITHOUT WRITTEN APPROVAL FROM THE BUILDING MANUFACTURER.
- COMPLETE SHOP DRAWINGS FOR THE STRUCTURAL WORK SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCEMENT OF CONSTRUCTION. REVIEW OF SHOP DRAWINGS BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR CORRECT FABRICATION AND CONSTRUCTION OF THE WORK.
- PRINCIPAL OPENINGS ARE SHOWN ON THE STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS AND THE BUILDING MANUFACTURER'S DRAWINGS FOR SLEEVES, CURBS, INSERTS, AND SIMILAR DETAILS NOT SHOWN. SIZE AND LOCATION OF ALL OPENINGS SHALL BE VERIFIED BY THE CONTRACTOR. ANY DEVIATION FROM OPENINGS SHOWN ON THE ARCHITECTURAL DRAWINGS AND THE BUILDING MANUFACTURER'S DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR APPROVAL PRIOR TO CONSTRUCTION.
- CONSTRUCTION MATERIALS SHALL NOT BE STORED ON ROOFS IN EXCESS OF THE DESIGN LIVE LOADS UNLESS SPECIFICALLY APPROVED IN WRITING BY THE BUILDING MANUFACTURER. IMPACT SHALL BE AVOIDED WHEN PLACING MATERIALS ON ROOFS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENFORCE THESE REQUIREMENTS.
- STRUCTURAL DRAWINGS HAVE BEEN PREPARED FOR THE PRE-MANUFACTURED BUILDING FOUNDATIONS ONLY. ALL OTHER BUILDING COMPONENTS ARE THE RESPONSIBILITY OF THE BUILDING MANUFACTURER.

FOUNDATION AND CONCRETE NOTES:

- FOOTINGS SHALL BEAR ON UNDISTURBED SOIL HAVING AN ASSUMED ALLOWABLE BEARING CAPACITY OF 3,000 POUNDS PER SQ. FT.
- IF BEARING MATERIALS WITH A LOWER BEARING CAPACITY THAN 3,000 POUNDS PER SQ. FT. ARE ENCOUNTERED, THE UNDERLYING UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL APPROVED BY THE GEOTECHNICAL ENGINEER.
- THE ENGINEER ASSUME NO RESPONSIBILITY FOR THE ADEQUACY OF THE SUBSURFACE CONDITIONS.
- ANY OBSTRUCTIONS ENCOUNTERED DURING EXCAVATION WHICH MAY INTERFERE WITH THE CONSTRUCTION OF ANY OF THE FOUNDATIONS OR WALLS MUST BE REMOVED AND REPLACED IN COMPLIANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- CONTRACTOR SHALL INSURE COMPLIANCE WITH ALL APPLICABLE STATE, COUNTY, AND LOCAL BUILDING ORDINANCES.
- NO CONCRETE SHALL BE PLACED IN WATER OR ON FROZEN GROUND.
- ALL CONCRETE AND FOUNDATIONS SHALL BE PROTECTED AGAINST FROST UNTIL THE PROJECT IS COMPLETED.
- BACKFILL UNDER ANY PORTION OF THE BUILDING OR FOUNDATION SHALL BE COMPACTED IN 6" LIFTS OF 95% COMPACTED FILL AS APPROVED BY THE GEOTECHNICAL ENGINEER.
- ALL CONCRETE WORK SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-LATEST EDITION) AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301, LATEST EDITION).
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 P.S.I. AT 28 DAYS.
- CONCRETE SHALL HAVE A SLUMP OF NO MORE THAN 5" AND AIR ENTRAINMENT OF 4-6%. THE USE OF CALCIUM CHLORIDE IS NOT PERMITTED. PROVIDE PROPER CONCRETE PROTECTION IN COLD WEATHER AND MAINTAIN PROPER CURING PROCEDURES IN ACCORDANCE WITH ALL A.C.I. REQUIREMENTS.
- CONCRETE FOR FLOOR SLABS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI @ 28 DAYS, 3" SLUMP AND 3% MAXIMUM AIR ENTRAINMENT.
- STEEL REINFORCEMENT SHALL CONFORM TO A.S.T.M. A-615, GRADE 60.
- ALL REINFORCING BARS SHALL BE COLD BENT IN ACCORDANCE WITH THE PROPER RADII ESTABLISHED BY THE A.C.I. UNDER NO CIRCUMSTANCES SHALL HEAT BE APPLIED TO THE BARS TO OBTAIN BENDS.
- ALL CONCRETE SLABS PLACED ON GROUND SHALL BE REINFORCED AS NOTED ON PLAN.
- WHERE CONTINUOUS BARS ARE CALLED FOR, THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS AND LAPPED AT NECESSARY SPLICES OR HOOKED AT DISCONTINUOUS ENDS. LAPS SHALL BE 40 BAR DIAMETERS, UNLESS OTHERWISE SHOWN.
- ALL FOUNDATION WALLS SHALL BE BRACED DURING BACKFILLING AND TAMPING OPERATIONS.
- THE USE OF CONTROL JOINTS IN THE SLAB IS RECOMMENDED TO CONTROL CRACKING. SAW CUT TO A DEPTH OF 1/5 OF THE DEPTH OF THE SLAB.
- BACKFILL NO EXTERIOR WALLS UNTIL PERMANENT STRUCTURAL SUPPORTS (FRAMED FLOORS AND SLABS) ARE IN PLACE.
- CONCRETE SHALL REACH 75% OF SPECIFIED STRENGTH BEFORE CONSTRUCTION LOADS ARE APPLIED, UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER-OF-RECORD. CONCRETE STRENGTH SHALL BE VERIFIED WITH 7-DAY CYLINDER BREAKS.
- CONCRETE PROTECTION FROM REINFORCING BARS: FOUNDATION & BASEMENT WALLS: 2" CLEAR BOTTOM OF FOOTINGS & GRADE BEAMS: 3" CLEAR BEAMS, COLUMNS & STRUCTURAL SLABS: 1 1/2" CLEAR.



THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE EXCAVATION & CONSTRUCTION TO ENSURE HE/SHE HAS THE FINAL SET OF DESIGN DOCUMENTS AS ISSUED FOR CONSTRUCTION. THIS PLAN IS CURRENT AS OF THE DATE IT WAS ISSUED. SUBSEQUENT REVISES OF THIS PLAN BY THE DESIGN ENGINEER DOES NOT AFFORD ANY TRANSFERRED THE RIGHT TO RECEIVE SAID REVISES, BUT PLACES THE RESPONSIBILITY TO THE TRANSFEREE TO OBTAIN UPDATED PLANS WHICH ARE ISSUED FOR CONSTRUCTION AS THESE MAY DIFFER FROM PREVIOUS PLANS ISSUED FOR PERMIT OR BID.

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COMMERCE PARKWAY
LANCASTER, NEW YORK

STAMP/SEAL	

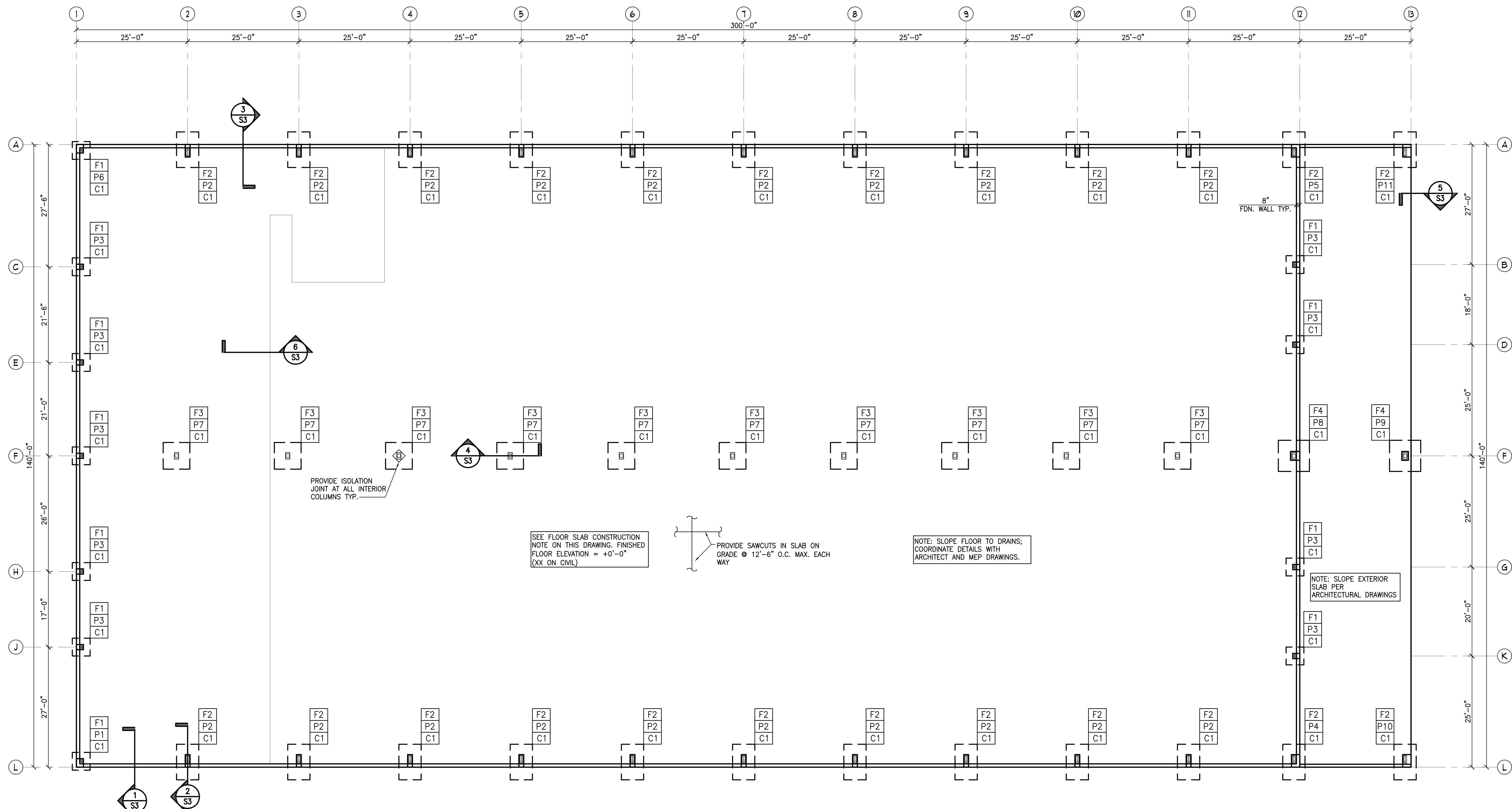
STRUCTURAL NOTES

studio T3
Engineering, PLLC
2410 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

DRAWN BY: MLK
CHECKED BY: LGT
JOB #: 22-222
DATE: 6-30-22

SHEET
S1

THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE EXCAVATION & CONSTRUCTION TO ENSURE HE/SHE HAS THE FINAL SET OF DESIGN DOCUMENTS AS ISSUED FOR CONSTRUCTION. THIS PLAN IS CURRENT AS OF THE DATE IT WAS ISSUED. SUBSEQUENT UPDATES OF THIS PLAN BY THE DESIGN ENGINEER DOES NOT AFFORD ANY TRANSFEREE THE RIGHT TO RECEIVE SAID UPDATES, BUT PLACES THE RESPONSIBILITY TO THE TRANSFEREE TO OBTAIN UPDATED PLANS WHICH ARE ISSUED FOR CONSTRUCTION AS THESE MAY DIFFER FROM PREVIOUS PLANS ISSUED FOR PERMIT OR BID.

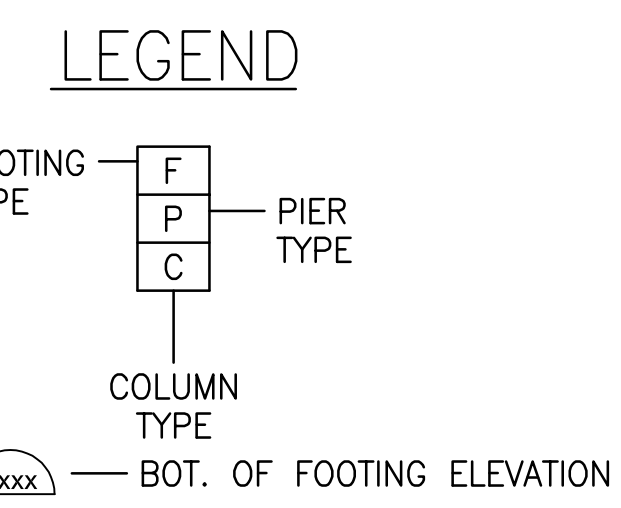


FOUNDATION PLAN
SCALE: 3/32" = 1'-0"

OFFICE FLOOR CONSTRUCTION: 4" CONCRETE SLAB ON GRADE WITH FIBERMESH REINFORCING ON MIN. OF 12" COMPACTED GRANULAR FILL & GEOTEXTILE FABRIC PER GEOTECHNICAL ENGINEERS REPORT.

WAREHOUSE/FACORY FLOOR CONSTRUCTION: 6" CONCRETE SLAB ON GRADE WITH FIBERMESH REINFORCING ON MIN. OF 12" COMPACTED GRANULAR FILL & GEOTEXTILE FABRIC PER GEOTECHNICAL ENGINEERS REPORT.

OUTSIDE FLOOR CONSTRUCTION (BETWEEN LINES 12 & 13): 8" CONCRETE SLAB ON GRADE WITH (1) #5 @ 12" O.C. EACH WAY BOTTOM + FIBERMESH REINFORCING ON MIN. OF 12" COMPACTED GRANULAR FILL & GEOTEXTILE FABRIC PER GEOTECHNICAL ENGINEERS REPORT.



FOOTING SCHEDULE

TYPE	SIZE	REINFORCING
F1	4'-0" x 4'-0" x 12" MIN.	5-#5 E.W.
F2	5'-0" x 8'-0" x 12" MIN.	7-#5 x 7'-6" + 12-#6 x 4'-6" + BOTTOM
F3	6'-0" x 6'-0" x 20" MIN.	8-#6 E.W.
F4	7'-0" x 7'-0" x 12" MIN.	10-#6 E.W.

PIER SCHEDULE

TYPE	SIZE	REINF.
P1-P11	SEE DETAILS ON THIS DWG	SEE DETAIL

COLUMN SCHEDULE

TYPE	SIZE
C1	STEEL COLUMN BY OTHERS

NOTE: FOOTINGS FOR THIS PROJECT MAY REQUIRE UNDERCUTS BELOW THE 4'-0" FROST COVER. THE SOIL AT BEARING ELEVATIONS MUST BE INSPECTED BY THE SOILS ENGINEER / INSPECTOR HIRED BY THE OWNER PRIOR TO POURING CONCRETE FOR FOUNDATIONS. THE SOILS ENGINEER / INSPECTOR WILL DETERMINE ADEQUATE BEARING ELEVATIONS AND THE AMOUNT OF COMPACTED GRANULAR FILL MATERIAL REQUIRED ON SITE PRIOR TO EACH CONCRETE POUR.

NOTE: THIS FOUNDATION PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A GRADING PLAN. THE OWNER MUST CO-ORDINATE THE BOTTOM OF FOOTING ELEVATIONS AND THE LOCATIONS OF THE FOOTING STEPS WITH THE GENERAL CONTRACTOR TO ENSURE A MINIMUM OF 4'-0" FROST COVER OVER ALL EXTERIOR FOOTINGS. BOTTOM OF FOOTING ELEVATIONS WILL BE NOTED ON THIS DRAWING AFTER A GRADING PLAN HAS BEEN PROVIDED.

TOP OF SLAB ELEV. 0'-0" = REFERENCE ELEV.

NOTE: VERIFY LOCATIONS & SIZES OF ALL EXTERIOR DOORS WITH ARCH. DWGS. VERIFY DIMENSIONS WITH ARCH. DWGS.

NOTE: ALL FOUNDATION & BACKFILL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY: TERRACON
PROJECT NO.: J5225081
DATED: MAY 19, 2022

THIS PLAN HAS BEEN PREPARED IN CONJUNCTION WITH BUILDING REACTIONS
PREPARED BY: NUCOR
PROJECT NO.: S22W0464A
REVISION NO.: 1
DATED: 6/30/2022

THIS PLAN HAS BEEN PREPARED IN CONJUNCTION WITH THE SITE GRADING PLAN
PREPARED BY:
PROJECT NO.:
DRAWING NO.:
REVISION NO.:
DATED:

NOTE: VERIFY ALL COLUMN LOCATIONS WITH BLDG. MANUFACTURER'S DRAWINGS

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LANCASTER, NEW YORK

STAMP/SEAL

FOUNDATION PLAN

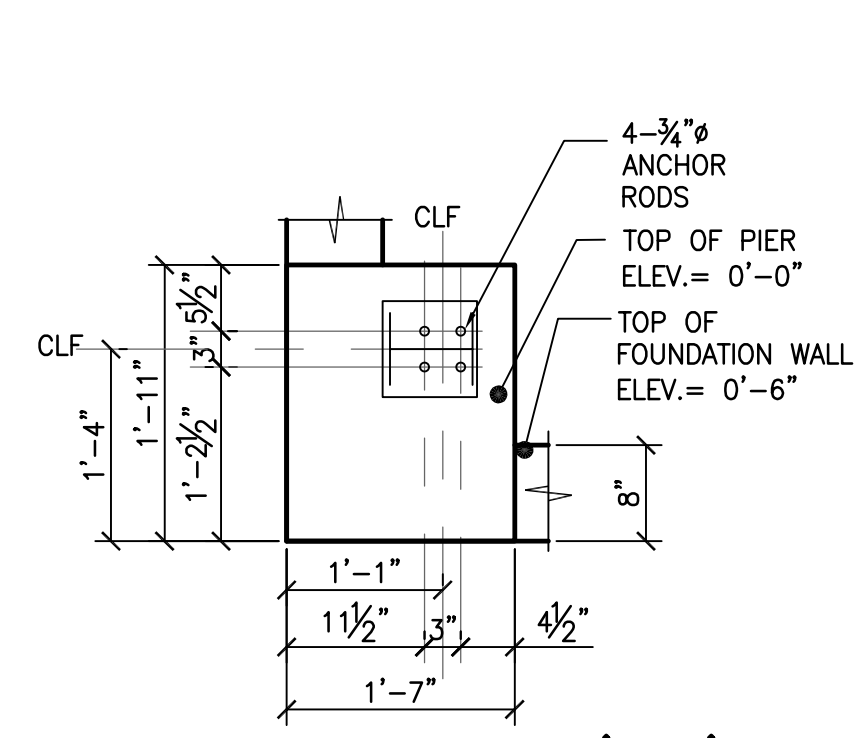


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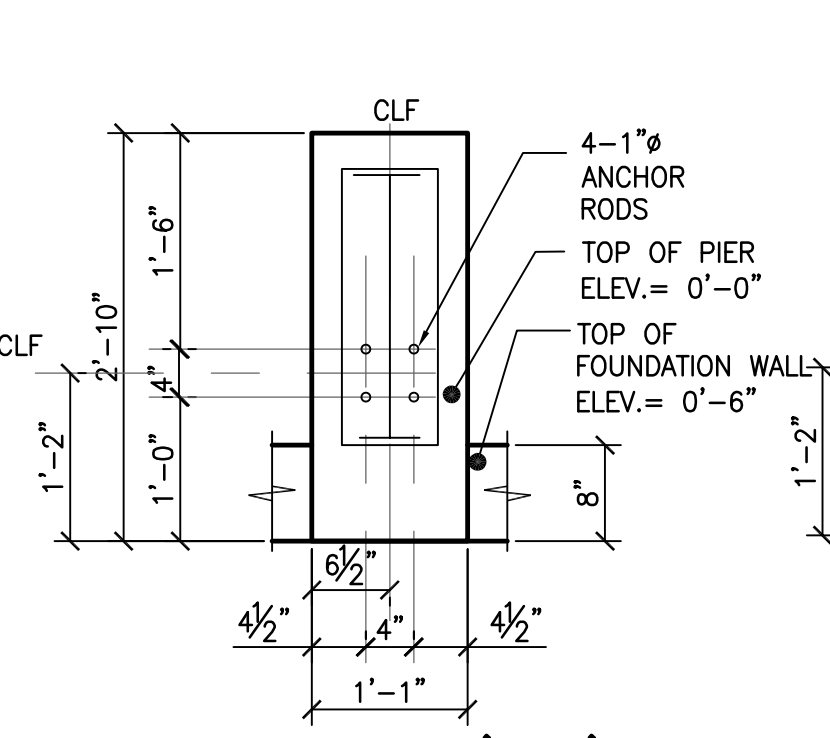
DRAWN BY: MLK
CHECKED BY: LGT
JOB #: 22-222
DATE: 6-30-22

SHEET
S2

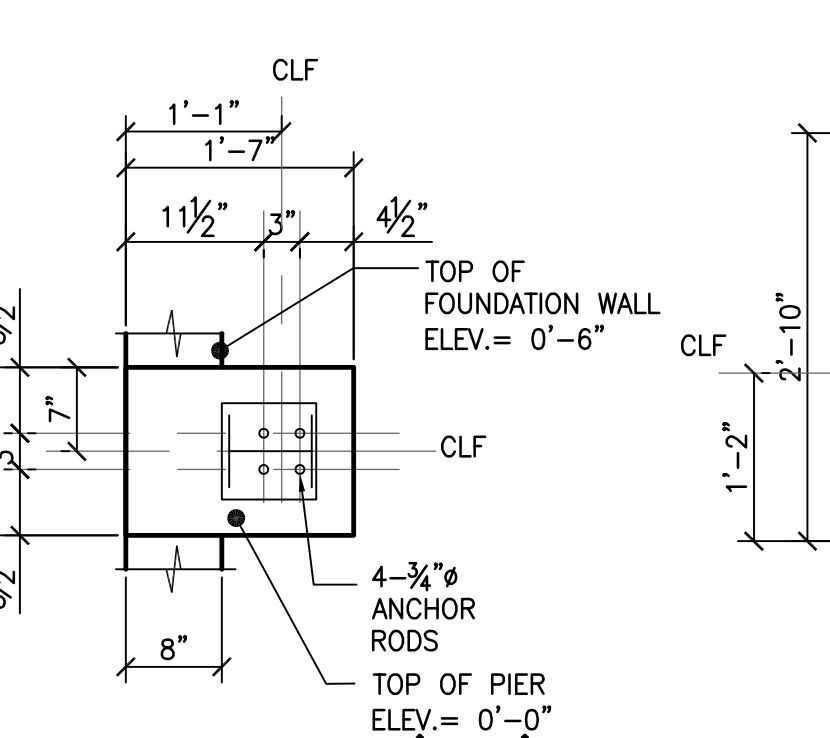
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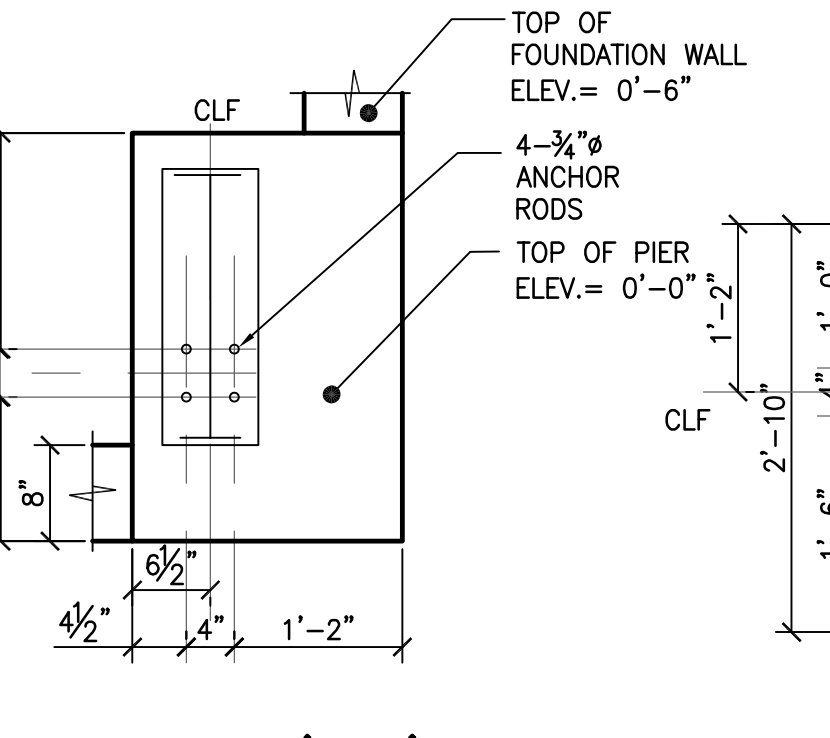
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NUCOR DETAIL: BP01-A



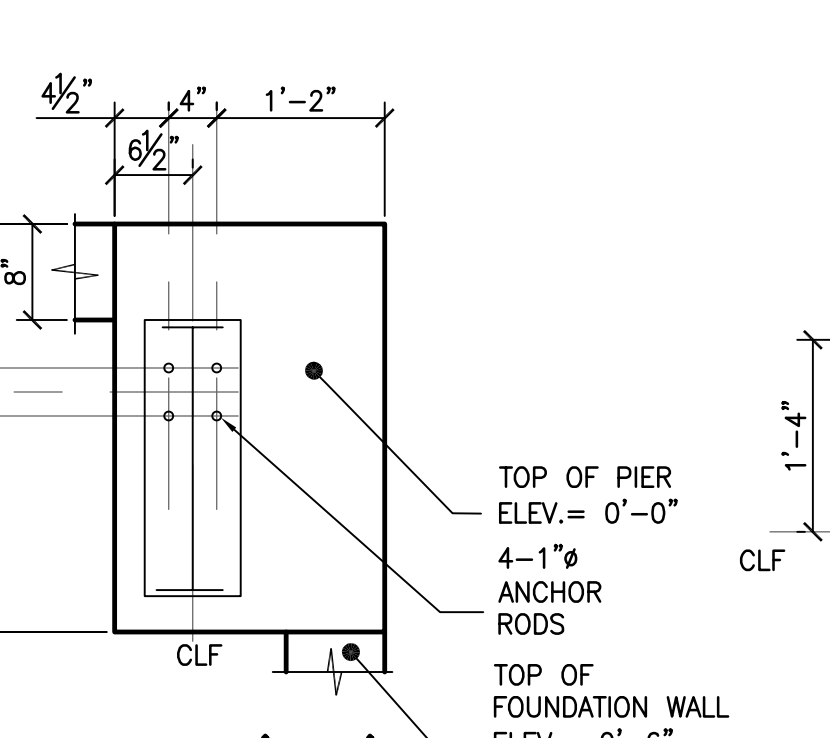
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NUCOR DETAIL: BP02-C & BP02-A



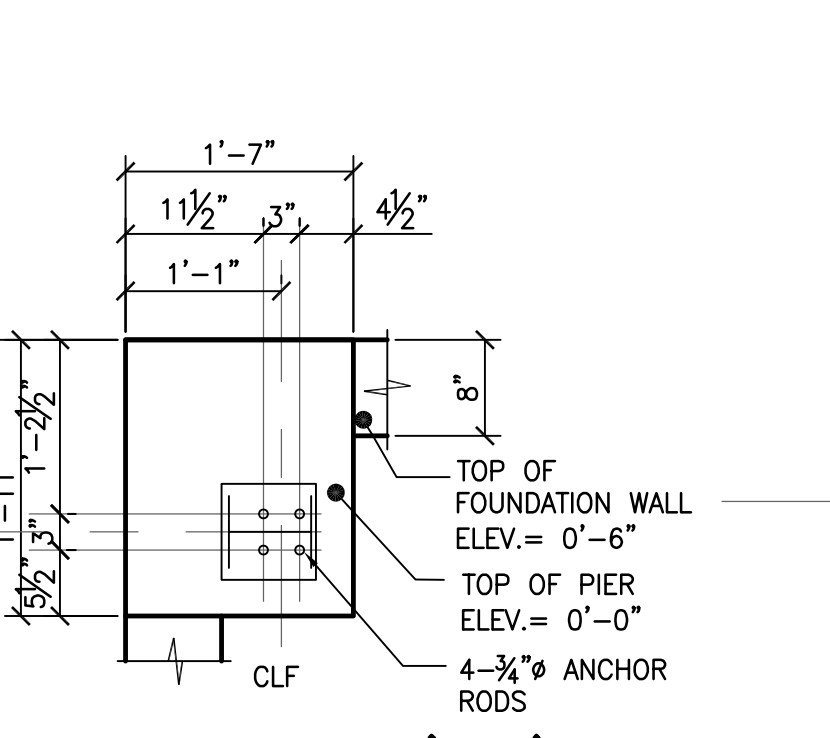
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NUCOR DETAIL: BP01-B & BP04-A



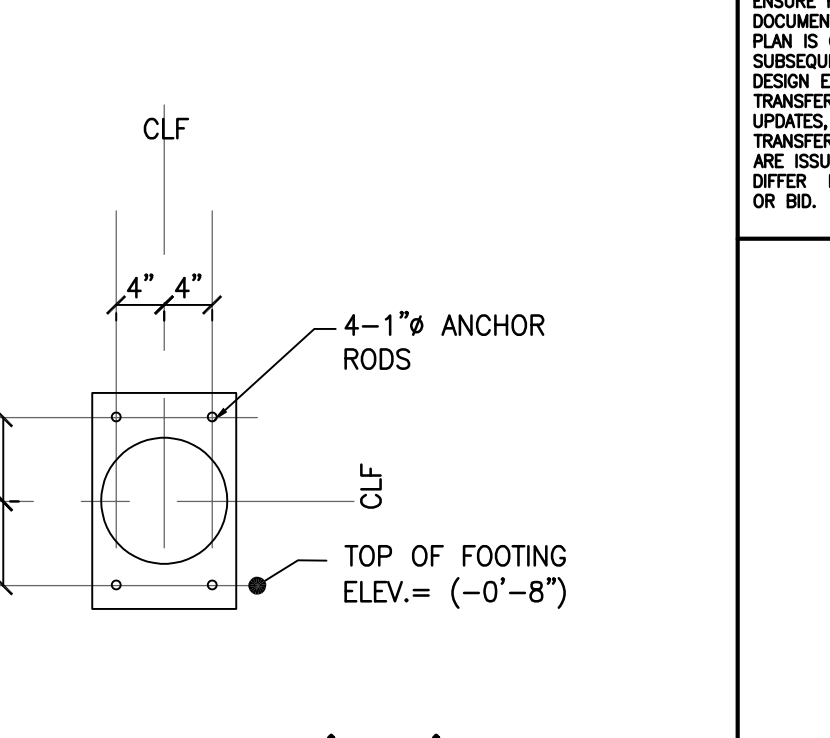
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NUCOR DETAIL: BP02-D



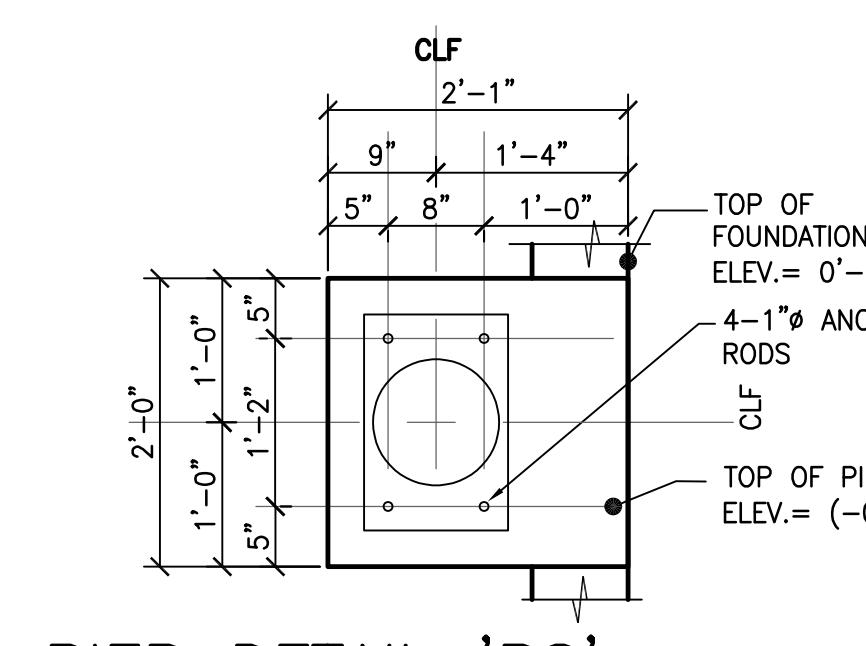
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NUCOR DETAIL: BP02-B



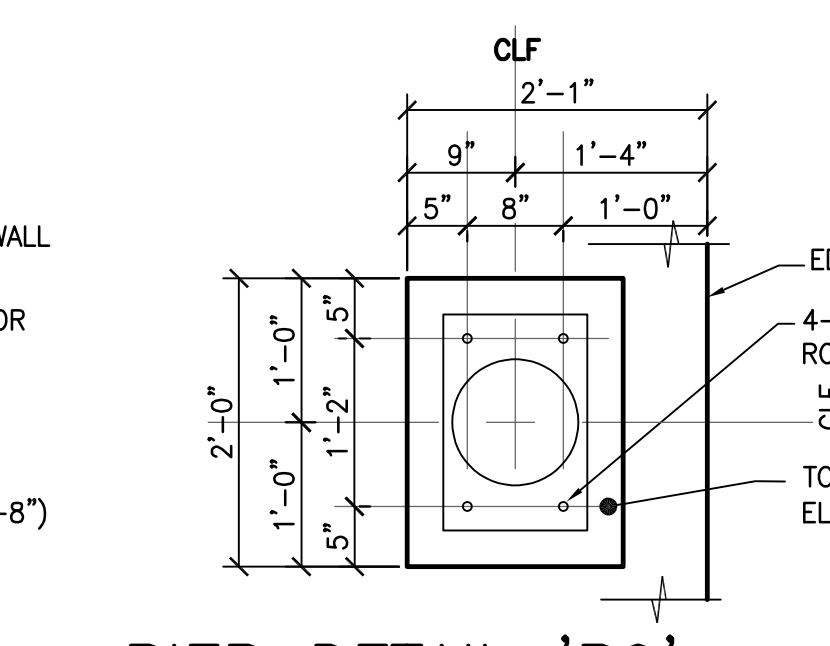
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NUCOR DETAIL: BP01-C



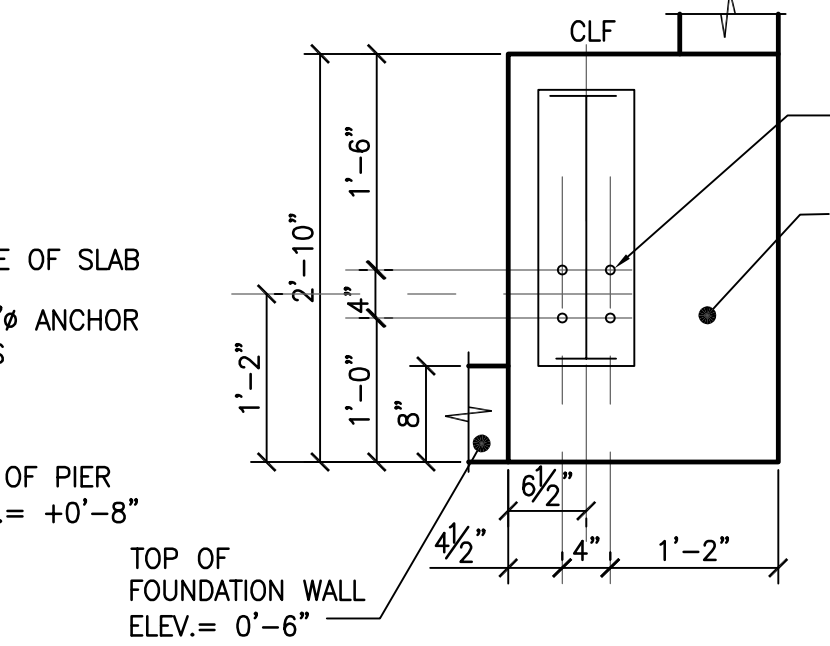
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NUCOR DETAIL: BP03-A



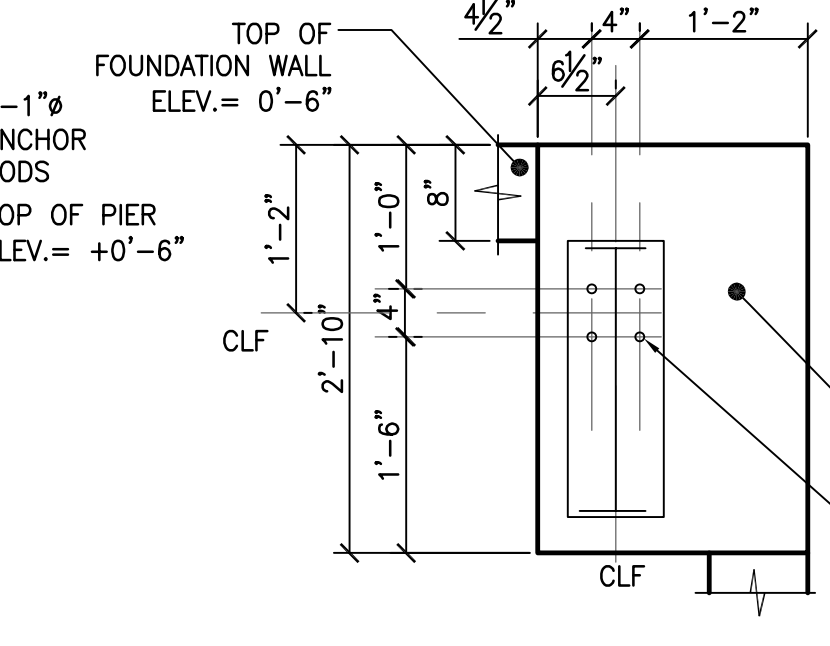
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NUCOR DETAIL: BP03-B



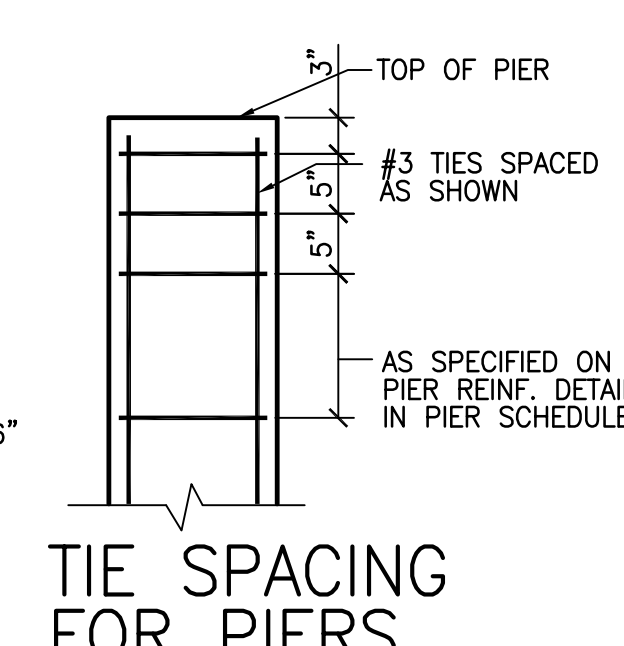
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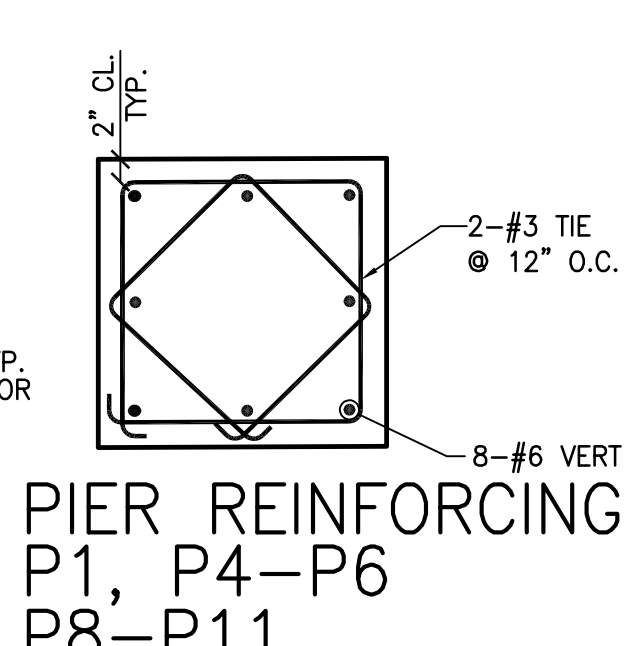
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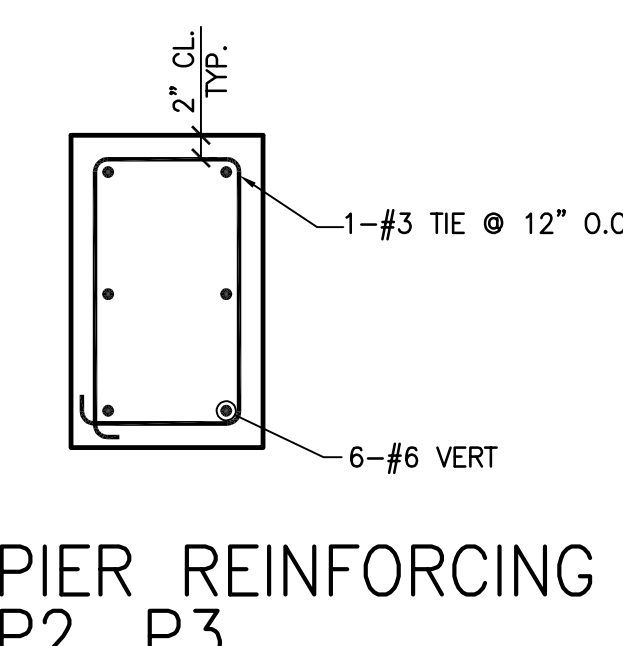
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NUCOR DETAIL: BP02-B



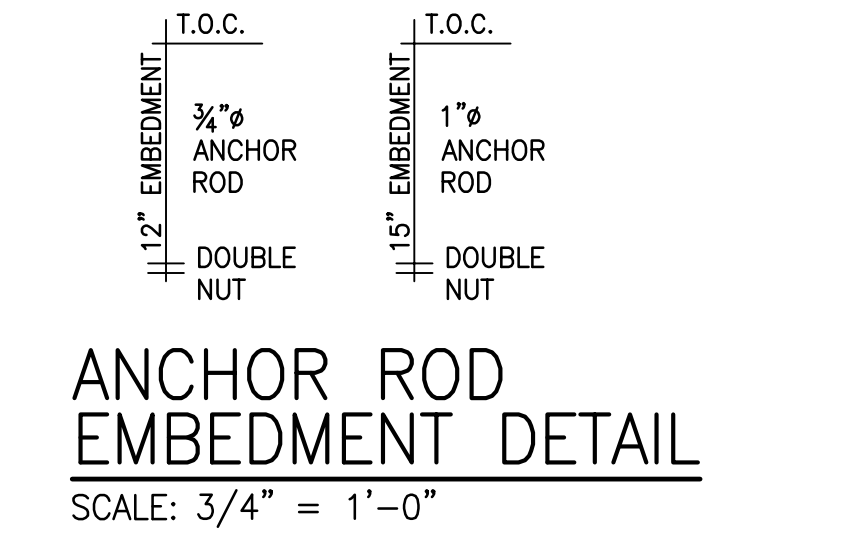
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SCALE: 3/4" = 1'-0"



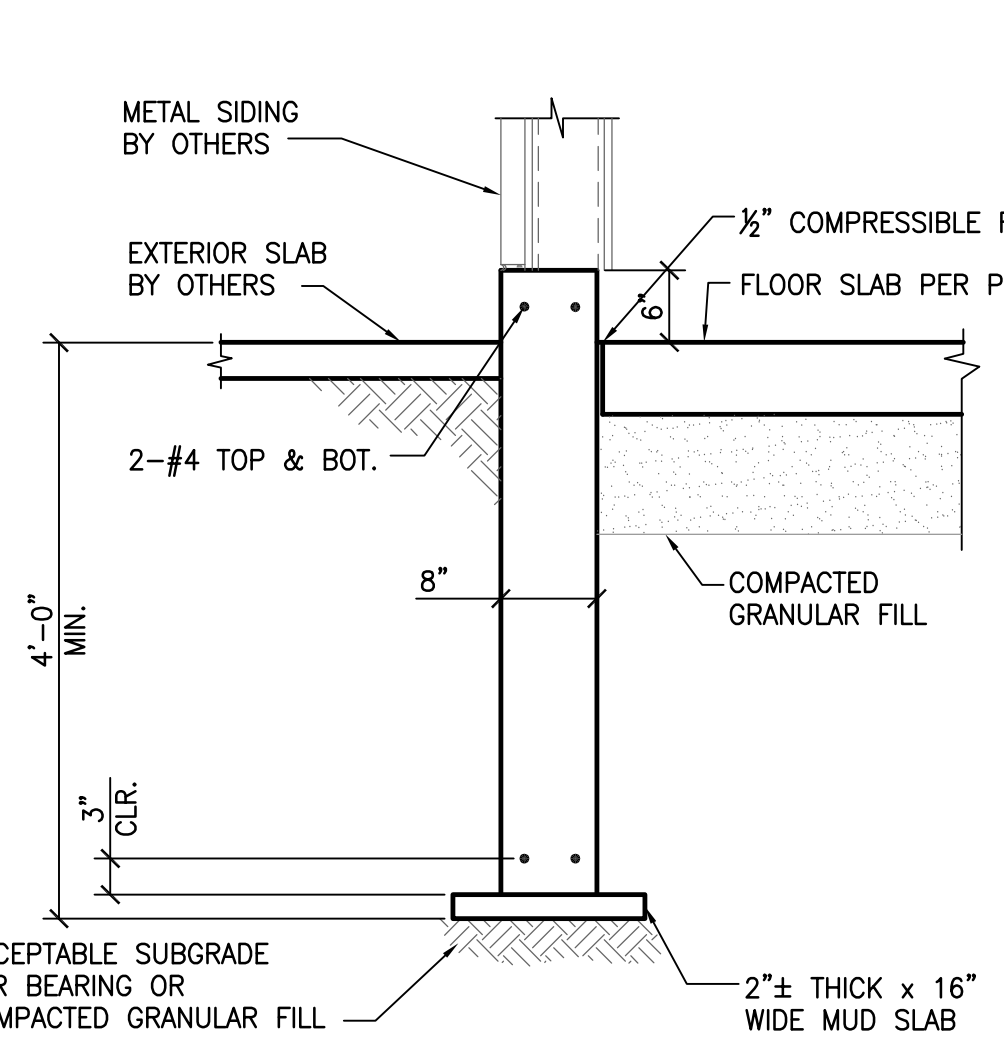
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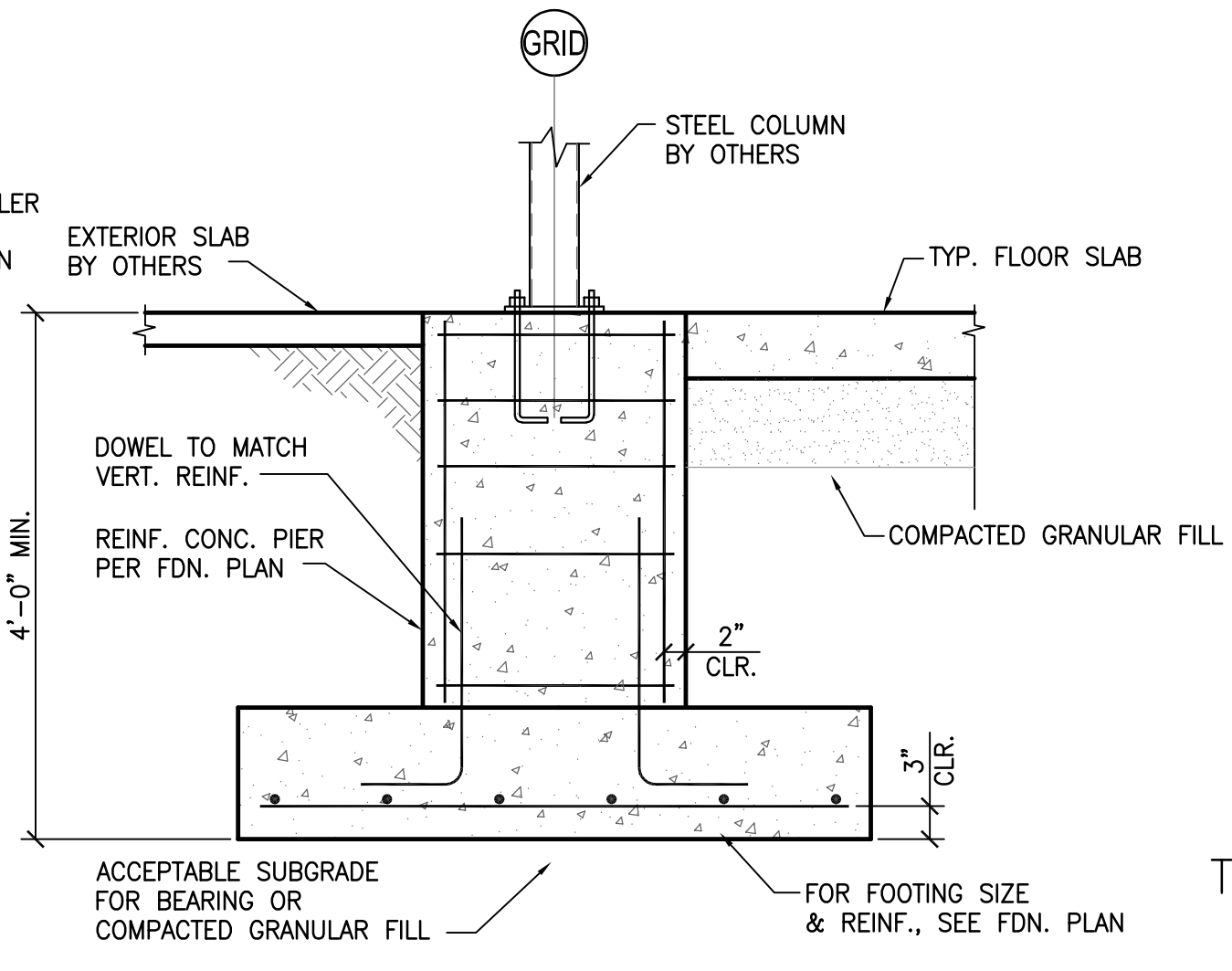
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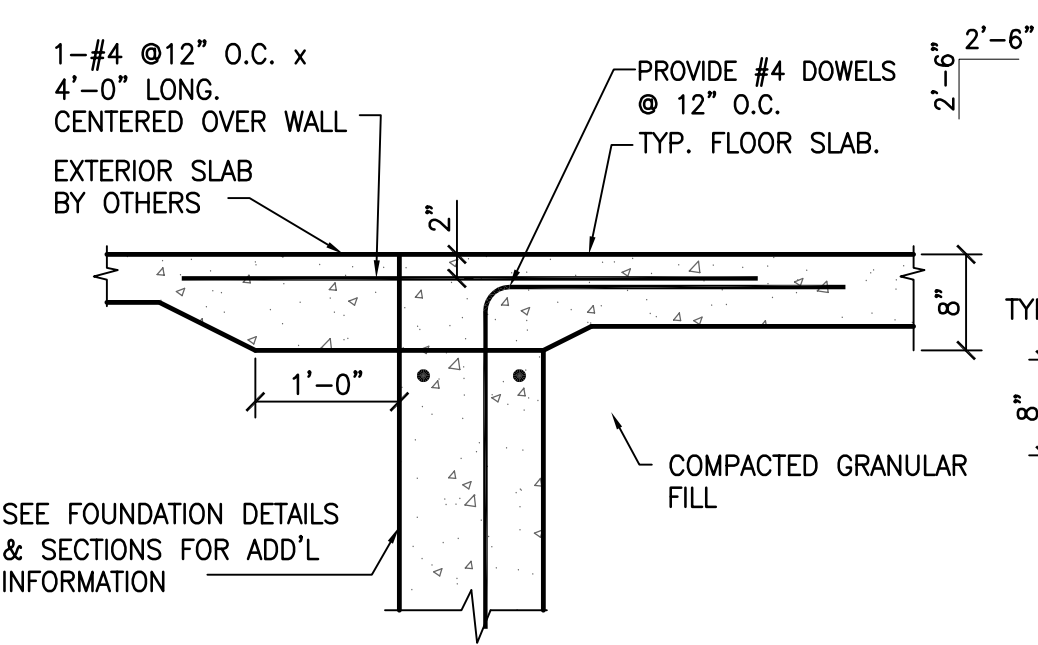
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SCALE: 3/4" = 1'-0"



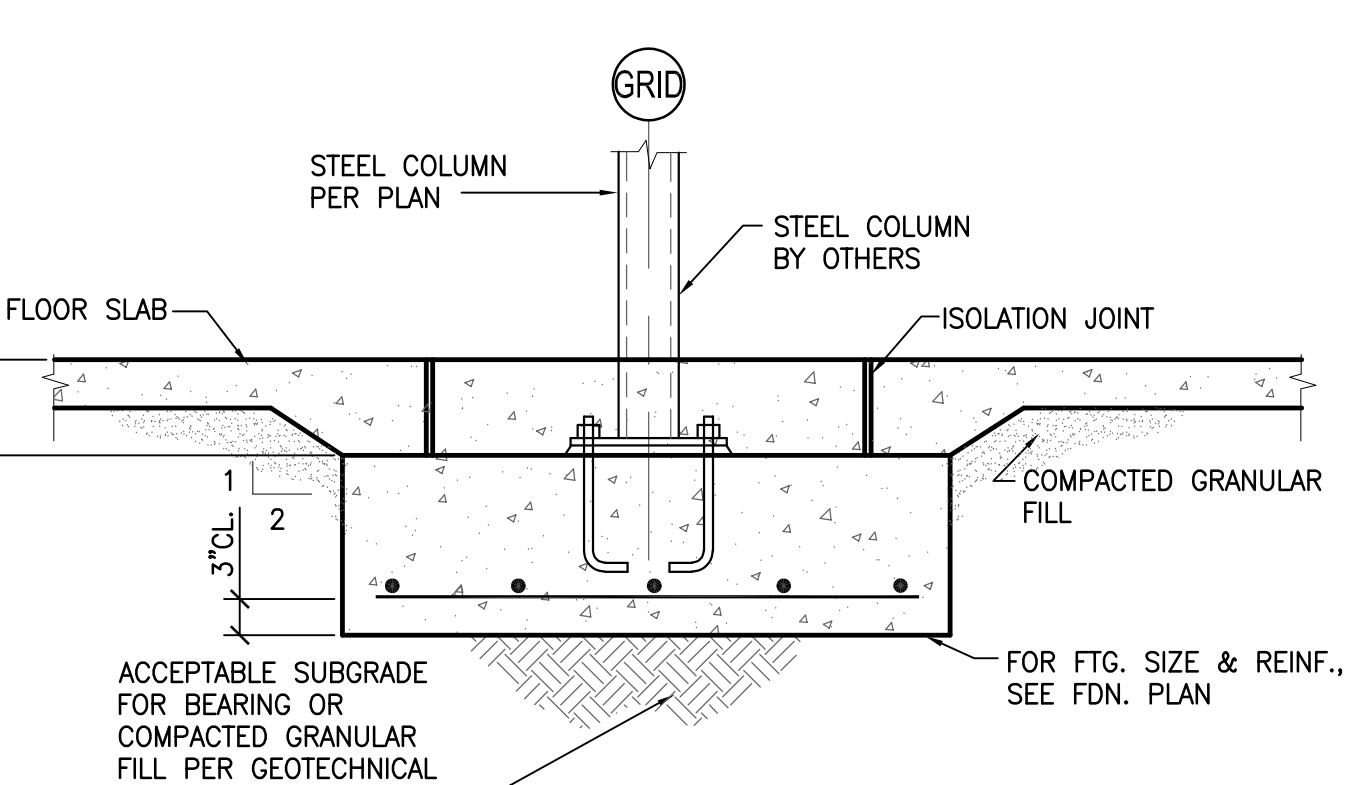
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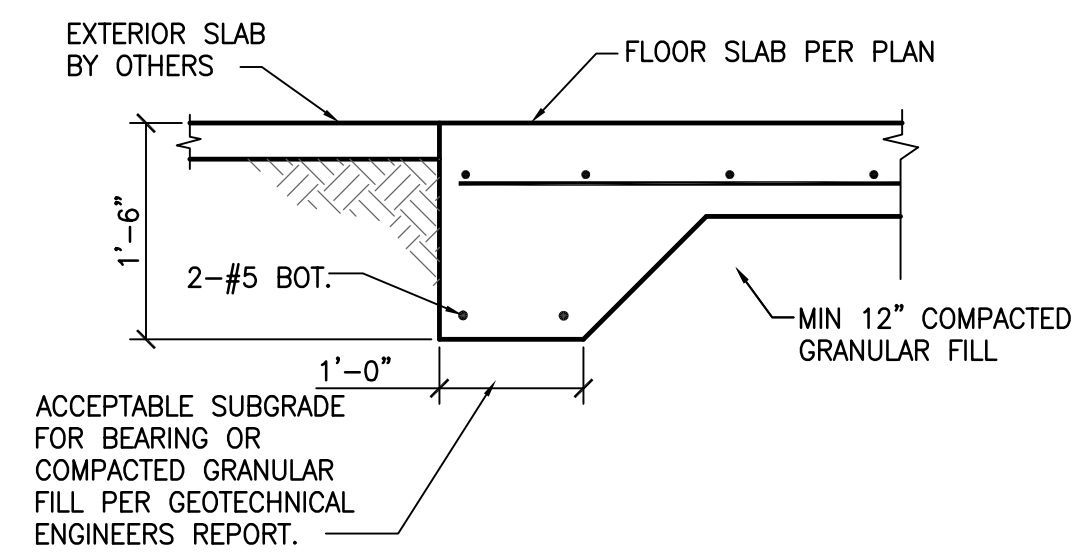
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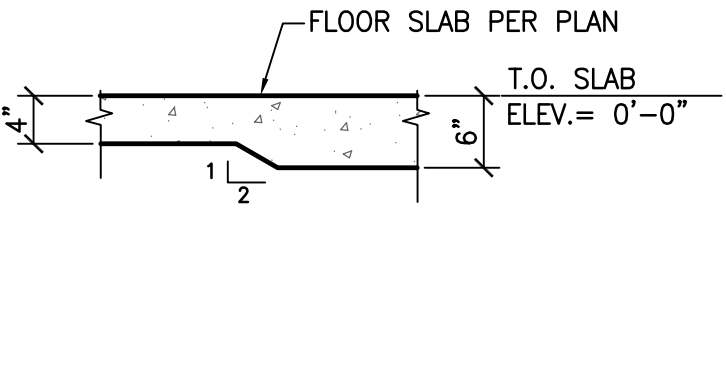
SECTION 3
SCALE: 3/4" = 1'-0"



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



SECTION 5
SCALE: 3/4" = 1'-0"



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

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FOUNDATION PLAN

studio T3
Engineering, PLLC
2410 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
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DRAWN BY: MLK
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S3

WARNING: IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY, PLANS, SPECIFICATIONS, OR REPORTS TO WHICH THE SEAL OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER HAS BEEN APPLIED.