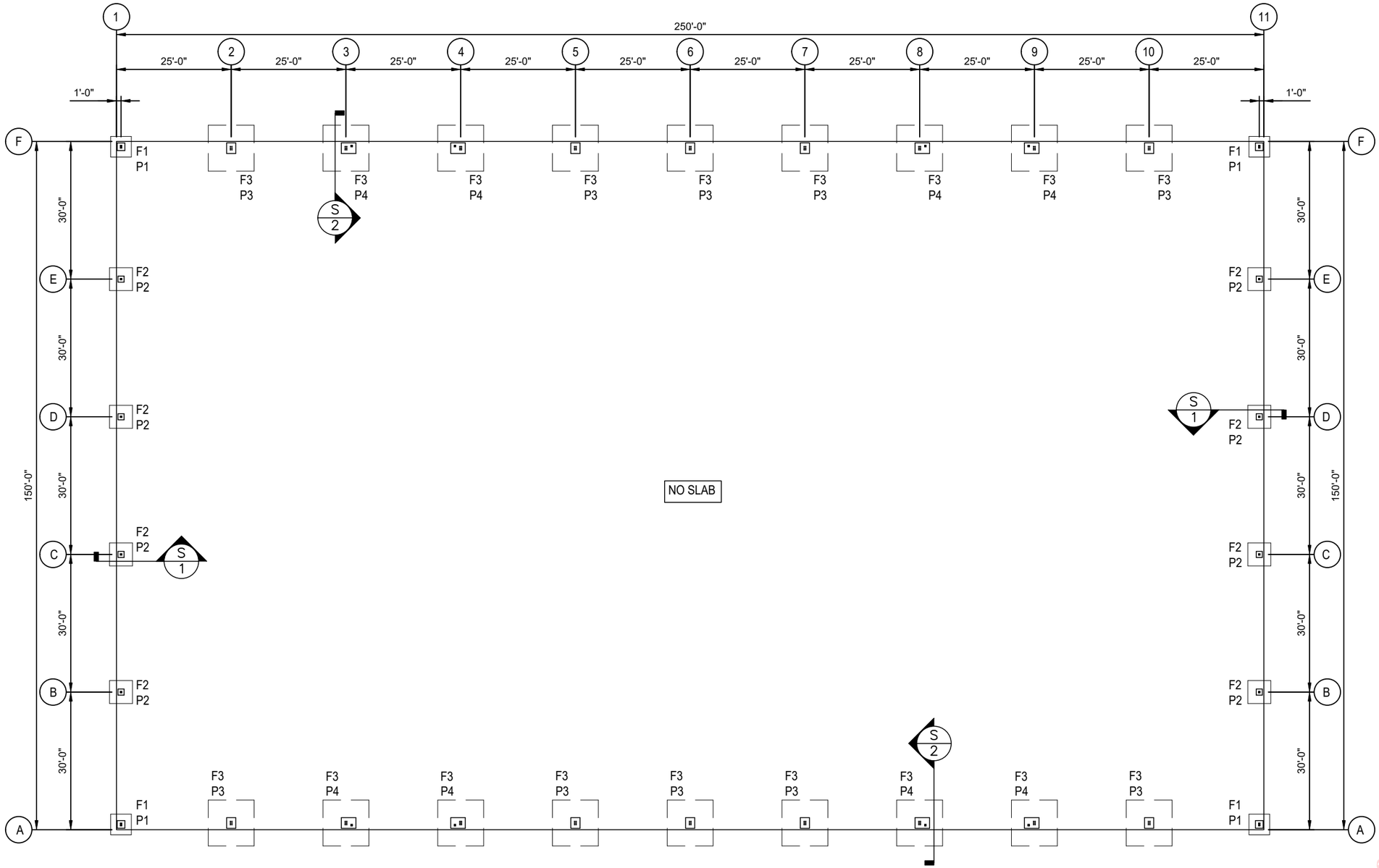

FOUNDATION PLAN

FOOTING SCHEDULE

MARK	SIZE	BOTT/FOOTING ELEV.	REINFORCING	
			BOTTOM	TOP
F1	4'–6" x 4'–6" x 1'–6"	97'–0"	(6) #5 EACH WAY	N/A
F2	5'–0" x 5'–0" x 1'–6"	97'–0"	(7) #5 EACH WAY	N/A
F3	10'–0" x 10'–0" x 2'–6"	96'–0"	(11) #5 EACH WAY	(11) #5 EACH WAY

Digitally signed by Kyle McDonough
Date: 2025.10.22 10:45:39 -04'00'

This item has been electronically signed and sealed by Kyle S. McDonough using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

KYLE S. McDONOUGH LICENSE No. 83601 STATE OF FLORIDA PROFESSIONAL ENGINEER

BAM BUILDINGS AND MORE
792 SW BASCOM NORRIS DR.
LAKE CITY, FL 32025
PHONE: 386.755.6449

RC TRACK
LAKE CITY, FL 32055
JOB NO. 25–504

DATE
OCTOBER 20, 2025

SHEET
1 OF 4

GENERAL NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL CODES AND REGULATIONS.

2. DO NOT DETERMINE DIMENSIONS BY 'SCALING' OFF THE PLANS OR DETAILS. PLAN DRAWINGS ARE NOT PRINTED/PLOTTED TO SCALE.

3. REFER TO METAL BUILDING DRAWINGS FOR BUILDING LOADS, ANCHOR BOLT DETAILS AND INFORMATION.

4. REFER TO METAL BUILDING DRAWINGS FOR ALL ANCHOR BOLT LOCATIONS, DIAMETER, QUANTITY, AND PROJECTIONS.

5. THE CONTRACTOR SHALL EXERCISE PROPER PRECAUTION TO VERIFY ALL EXISTING CONDITIONS AND LAYOUT OF WORK. IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY ERROR RESULTING FROM FAILURE TO EXERCISE SUCH PRECAUTION.

6. ANY DISCREPANCIES, ERRORS ON OMISSIONS DISCOVERED IN THE DOCUMENT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH RELATED WORK, OTHERWISE, THE CORRECTION OF SUCH ITEMS IS THE RESPONSIBILITY OF THE CONTRACTOR OR SUBCONTRACTOR.

7. WHERE A DETAIL, TYPICAL DETAIL, SECTION, TYPICAL SECTION OR A NOTE IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.

SPECIAL INSPECTIONS AND TESTS:

1. SPECIAL INSPECTIONS AND TESTS, STATEMENTS OF SPECIAL INSPECTIONS, RESPONSIBILITIES OF CONTRACTORS, SUBMITTAL TO THE BUILDING OFFICIAL AND STRUCTURAL OBSERVATIONS SHALL MEET THE APPLICABLE REQUIREMENTS FROM IBC SECTION 1704.

2. WHERE APPLICATION IS MADE TO THE BUILDING OFFICIAL FOR CONSTRUCTION AS SPECIFIED IN IBC SECTION 105, THE OWNER OR THE OWNER'S AUTHORIZED AGENT, OTHER THAN THE CONTRACTOR, SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PROVIDE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION ON SOILS AND CONCRETE CONSTRUCTION AS SPECIFIED IN IBC SECTION 1704.

3. EXCEPTIONS:
   1) SPECIAL INSPECTIONS AND TESTS ARE NOT REQUIRED FOR CONSTRUCTION OF A MINOR NATURE OR AS WARRANTED BY CONDITIONS IN THE JURISDICTION AS APPROVED BY THE BUILDING OFFICIAL.
   2) UNLESS OTHERWISE REQUIRED BY THE BUILDING OFFICIAL, SPECIAL INSPECTIONS AND TESTS ARE NOT REQUIRED FOR GROUP U OCCUPANCIES THAT ARE ACCESSORY TO A RESIDENTIAL OCCUPANCY INCLUDING, BUT NOT LIMITED TO, THOSE LISTED IN IBC SECTION 312.1.
   3) THE CONTRACTOR IS PERMITTED TO EMPLOY THE APPROVED AGENCIES WHERE THE CONTRACTOR IS ALSO THE OWNER.

4. SPECIAL INSPECTION IS NOT REQUIRED FOR CONC. ISOLATED SPREAD FOOTINGS, CONTINUOUS FOOTINGS, NON-STRUCTURAL SLABS, FOUNDATION WALLS, PATIOS, DRIVEWAYS, AND SIDEWALKS PROVIDED THE REQUIREMENTS OF IBC 1705.3 ARE MET.

5. SPECIAL INSPECTION OF SOILS SHALL REFERENCE THE APPROVED SOILS REPORT TO DETERMINE COMPLIANCE.

6. WHERE SOILS REPORT IS NOT PROVIDED SPECIAL INSPECTIONS ARE REQUIRED TO VERIFY THAT THE IN-PLACE DRY DENSITY OF THE COMPACTED FILL IS NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D698.

SOIL AND SUBGRADE PREPARATION NOTES:

1. REFERENCE THE GEOTECHNICAL INVESTIGATION REPORT PROJECT #25-00453-01, PREPARED BY CAL-TECH TESTING INC. DATED 9/26/2025 FOR SITE PREPARATION AND RECOMMENDATIONS.

CONCRETE:

1. ALL CONCRETE CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ACI 318-19.

2. NO CALCIUM CHLORIDE SHALL BE INCORPORATED IN THE CONCRETE MIX DESIGN OR USED AS AN ADMIXTURE. NO CHLORIDES OF ANY TYPE SHALL BE USED AS AN ADMIXTURE FOR THIS FOUNDATION.

3. FOUNDATION ENGINEER TO BE NOTIFIED WITH WRITTEN DOCUMENT IF SOIL AND WATER CONTAINING DELETERIOUS AMOUNTS OF WATER SOLUBLE SULFATE IONS ARE FOUND ON SITE.

4. ALL CONCRETE SHALL CONFORM TO ASTM C-33 APPROVED AGGREGATES AND ASTM C150 PORTLAND CEMENT REQUIREMENTS FOR NORMAL WEIGHT CONCRETE MIXED WITH WATER CONFORMING TO ASTM C1602.

5. CONCRETE DESIGN PROPERTIES FOR COMPRESSIVE STRENGTH AND DURABILITY REQUIREMENTS SPECIFIED BY EXPOSURE CLASS PER ACI 318 TABLE 19.3.2.1.

   EXPOSURE CLASS (F1, W1):
   FOOTINGS, GRADE BEAMS, FOUNDATION WALLS, SLABS:
   a) 28 DAY COMPRESSIVE STRENGTH - 3,500 PSI
   b) MAXIMUM W/C RATIO - 0.50
   c) MAXIMUM AGGREGATE SIZE - 1 INCH
   d) AIR CONTENT - DO NOT ALLOW AIR CONTENT OF TROWEL FINISHED FLOOR TO EXCEED 3%

FOUNDATIONS:

1. FOUNDATION DESIGN IS BASED ON A NET ALLOWABLE SOIL BEARING PRESSURE OF 2,000 PSF. ALL CONCRETE FOOTINGS SHOULD EXTEND BELOW FROST LINE PER LOCAL BUILDING CODE.

2. FILL MATERIAL SHALL BE FREE OF ROOTS, WOOD AND OTHER ORGANIC MATERIAL. ALL FOOTINGS TO BE SUPPORTED BY SOIL VERIFIED IN ACCORDANCE WITH IBC SECTION 1704 U.N.O..

3. CONTRACTOR RESPONSIBLE FOR COORDINATING PIPE PENETRATIONS THROUGH CONCRETE FOOTINGS OR GRADE BEAMS. PROVIDE PROPER SLEEVES AND PLACEMENT TO AVOID INTERFERENCES WITH REBAR. ALL MATERIAL AND WORKMANSHIP SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS AND UTILITY COMPANY REGULATIONS.

4. IF UNSUITABLE MATERIAL IS FOUND, THE PROPOSED FOOTING SUBGRADE ELEVATION SHALL BE RE-ESTABLISHED BY LOCALIZED UNDERCUTTING AND USING A SUITABLE FILL OR LEAN CONCRETE UP TO FOOTING DESIGN BEARING ELEVATION.

5. ALL FILL SHALL BE PLACED IN LAYERS WITH A MAXIMUM LOOSE THICKNESS OF 8" UNLESS SPECIFICALLY APPROVED BY THE GEOTECHNICAL ENGINEER, TAKING INTO CONSIDERATION THE TYPE OF MATERIALS AND COMPACTION EQUIPMENT BEING USED.

6. THE FOUNDATION HAS BEEN DESIGNED IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION REPORT PROJECT #25-00453-01, PREPARED BY CAL-TECH TESTING INC. DATED 9/26/2025.

REINFORCING STEEL:

1. REINFORCING STEEL SHALL BE BILLET STEEL, DEFORMED BARS CONFORMING TO ASTM A-615, GRADE 60.

2. CONCRETE COVERAGE OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE UNLESS OTHERWISE NOTED:

A. FOOTING AND GRADE BEAMS	3 INCHES
B. SLAB ON GRADE	SEE DETAIL
C. PIERS	1 1/2 INCHES

3. MINIMUM LENGTH OF REINFORCING BAR LAP SPLICES SHALL BE 50 BAR DIAMETERS FOR #6 BARS AND SMALLER AND 60 BAR DIAMETERS FOR #7 BARS AND LARGER, UNLESS NOTED OTHERWISE.

ANCHOR BOLTS:

1. THIS FOUNDATION HAS BEEN DESIGNED IN ACCORDANCE WITH ACI-318 FOR CAST-IN-PLACE ANCHOR BOLTS.

2. IN THE CASE WHERE A POST-INSTALLED ANCHOR TYPE IS PREFERRED, THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE FOUNDATION ENGINEER PRIOR TO POURING THE FOUNDATION. THE ANCHOR BOLT LAYOUT AND BUILDING REACTIONS WILL NEED TO BE ANALYZED BEFORE DETERMINING IF A POST-INSTALLED ANCHOR IS ACCEPTABLE.

DESIGN CODES:

BUILDING CODE
FBC 2023 8TH EDITION
DESIGN LOADS
ASCE 7-22 MINIMUM DESIGN LOADS
CONCRETE CODE
ACI 318-19 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

SEISMIC DESIGN PARAMETER:

SEISMIC DESIGN CATEGORY - B
SITE CLASS - DEFAULT
RISK CATEGORY - II
IMPORTANCE FACTOR - 1.0
Ss - 0.140
S1 - 0.061
Sds - 0.120
Sd1 - 0.087
REDUNDANCY FACTOR - 1.0
OVERSTRENGTH FACTOR - 1.0

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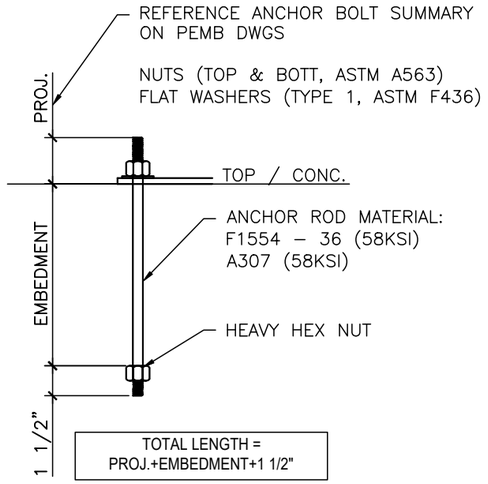
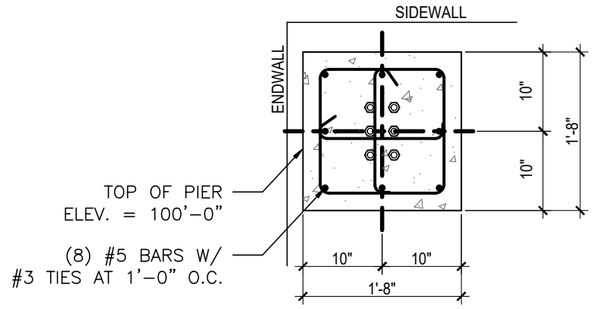


ANCHOR BOLT EMBEDMENT:

3/4" ø A.B. = 12" EMBEDMENT
7/8" ø A.B. = 14" EMBEDMENT



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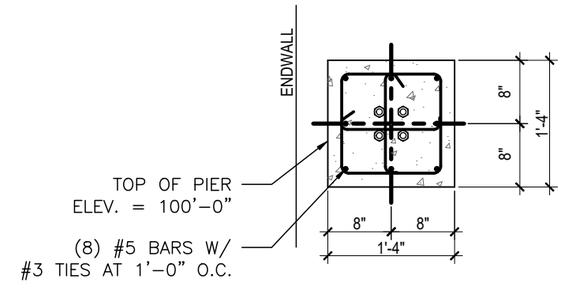

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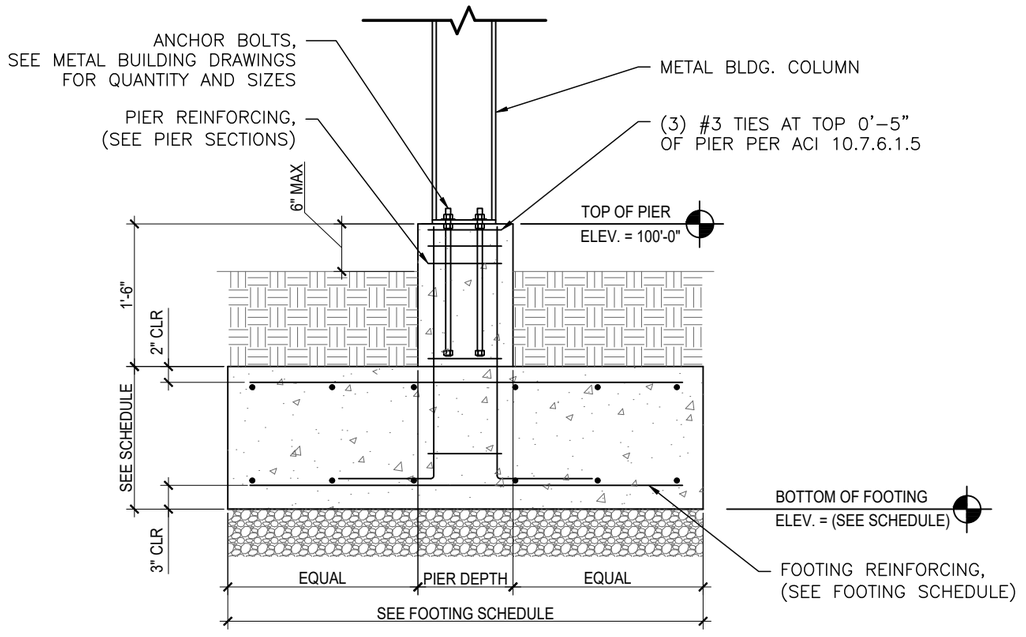

S/1 FOOTING SECTION

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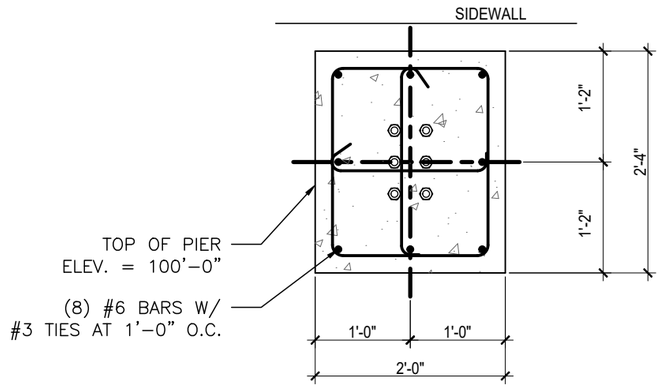

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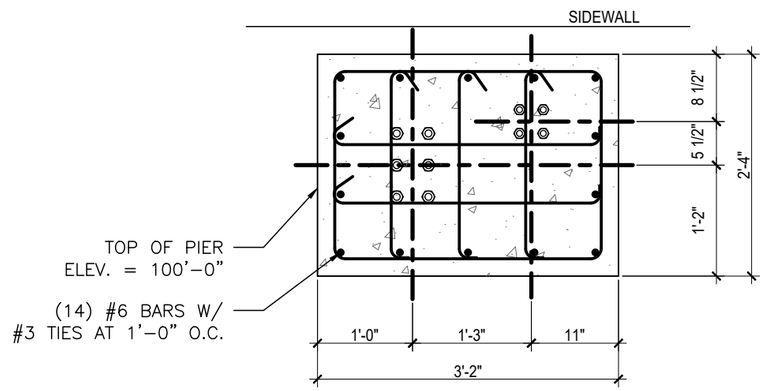

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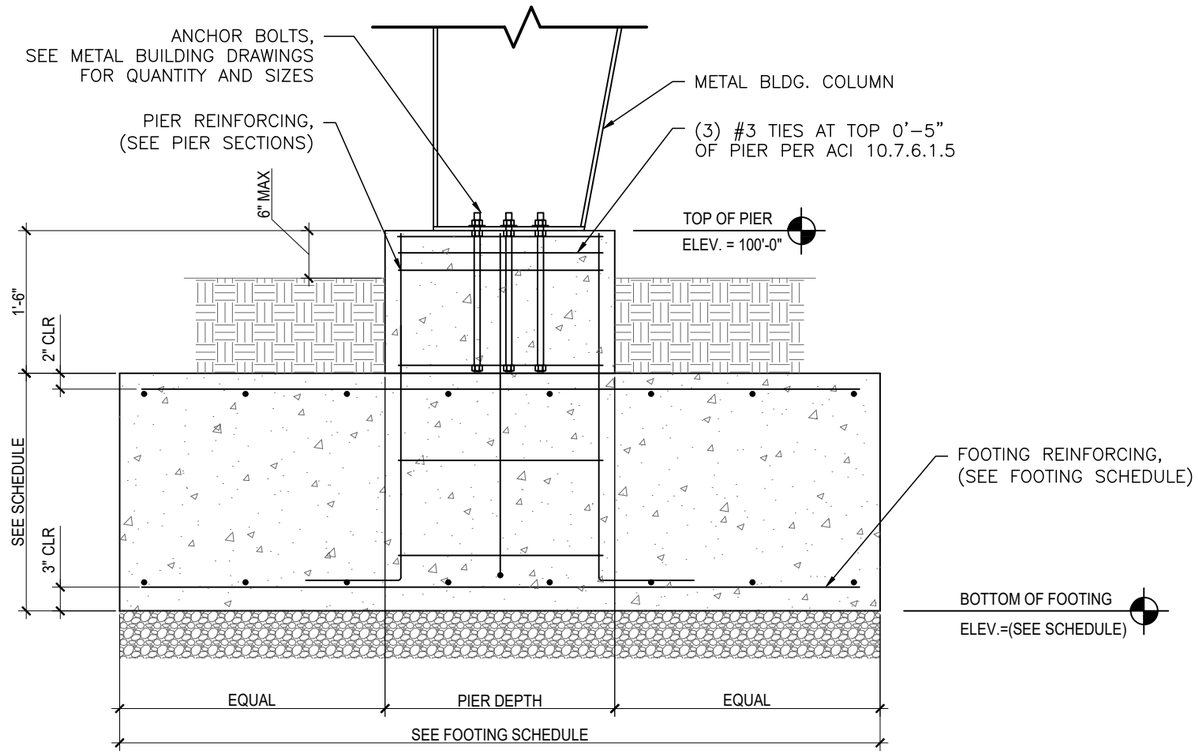

S/2 FOOTING SECTION

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