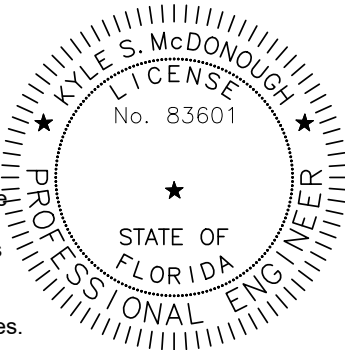


| FOOTING SCHEDULE | | | |
|------------------|-----------------------|--------------------|------------------------------|
| MARK | SIZE | BOTT/FOOTING ELEV. | REINFORCING |
| F1 | 4'-6" x 4'-6" x 1'-6" | 98'-6" | (6) #4 EACH WAY TOP & BOTTOM |
| F2 | 3'-6" x 3'-6" x 1'-6" | 98'-6" | (5) #4 EACH WAY TOP & BOTTOM |

Digitally signed
by Kyle
McDonough
Date: 2021.08.12
'12:25:03 -04'00

This document has been electronically signed by Kyle S. McDonough using a Digital Signature and Date. This electronic signature is generated via a third-party verification service, and the application of it signs and certifies the entire PDF document. As such, only the first page of this documents requires a digital verified signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



APEX METAL BUILDING SYSTEMS
118 Northeast Conner St.
LIVE OAK, FL 32406
PHONE: 800.231.0026

LARRY LAIRD
FLORIDA, 32038
JOB NO. 21-875

DATE
AUGUST 12, 2021

SHEET
1 OF 3

FOUNDATION PLAN

DESIGN LOADS:

| | |
|-------------------------|--------------|
| BUILDING CODE: | FBC 2020 |
| ROOF LIVE LOAD: | 20 PSF |
| ROOF DEAD LOAD | |
| SUPERIMPOSED: | 2.0 PSF |
| COLLATERAL: | 1.0 PSF |
| GROUND SNOW LOAD: | 0.0 PSF |
| FLAT ROOF SNOW LOAD: | 0.0 PSF |
| ULTIMATE WIND SPEED: | 120 MPH |
| WIND EXPOSURE CATEGORY: | B |
| IMPORTANCE FACTOR: | WIND 1.00 |
| | SEISMIC 1.00 |
| | SNOW 1.00 |

LATERAL DESIGN CONTROL:

| | |
|---|--------------------------|
| EARTHQUAKE: | _____ |
| WIND: | <u> X </u> |
| CALCULATED BUILDING DESIGN BASE SHEARS: | |
| VX= | SEE METAL BLDG. DRAWINGS |
| VY= | SEE METAL BLDG. DRAWINGS |

FOUNDATIONS:

1. ASSUMED SOIL BEARING PRESSURE IS 2,000 PSF ON FIRM UNDISTURBED SOIL OR COMPACTED FILL MATERIAL. 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. MATERIALS USED FOR FILL BELOW FOOTINGS AND WITHIN BUILDING LIMITS SHALL BE TESTED AND APPROVED FOR USE BY AN APPROVED TESTING AGENCY.
3. FILL SHALL BE PLACED IN LIFTS NO GREATER THAN 8 INCHES AND COMPACTED TO 95 PERCENT OF THE OPTIMUM DENSITY AS DEFINED BY ASTM D-698.
4. PROOFROLLING SHALL BE CONDUCTED FOR BUILDING SUBGRADE USING A FULLY LOADED DUMP TRUCK. PROOFROLLING SHALL BE CONDUCTED FOLLOWING A SUITABLE PERIOD OF DRY WEATHER TO AVOID DEGRADING AN OTHERWISE ACCEPTABLE SUBGRADE.
5. UTILITY LINES SHALL NOT BE PLACED THROUGH BUILDING FOUNDATIONS WITHOUT THE STRUCTURAL ENGINEERS APPROVAL.
6. FOOTINGS SHALL BE CENTERED ON COLUMN PIER CENTERLINES UNLESS SHOWN OTHERWISE.

CONCRETE:

1. ALL CONCRETE CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ACI 318-14.
2. ALL CONCRETE SHALL HAVE ASTM C-33 AGGREGATE WITH MAXIMUM UNIT WEIGHT OF 150 PCF. CONCRETE COMPRESSIVE STRENGTH SHALL BE 4,000 PSI AT 28 DAYS, MIN.

REINFORCING STEEL:

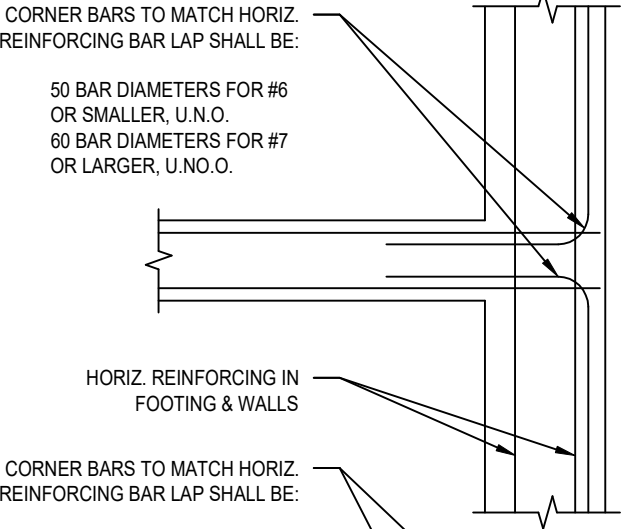
1. REINFORCING STEEL SHALL BE BILLET STEEL, DEFORMED BARS CONFORMING TO ASTM A-615, GRADE 60.
2. CONCRETE COVERAGE OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE UNLESS ORTHERWISE NOTED:

| | |
|----------------------------|----------|
| A. FOOTING AND GRADE BEAMS | 3 INCHES |
| B. SLAB ON GRADE | 2 INCHES |
3. REINFORCING STEEL SHALL BE LAPPED USING THE FOLLOWING SCHEDULE:

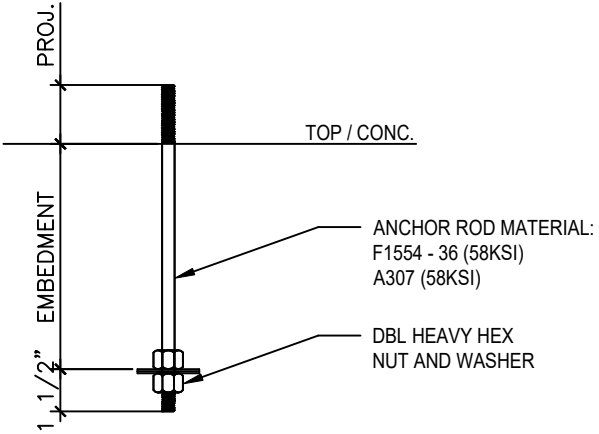
| | | |
|------------|------------|------------|
| NO.4 = 25" | NO.5 = 31" | NO.6 = 37" |
|------------|------------|------------|

GENERAL NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL CODES AND REGULATIONS.
2. ALL DIMENSIONS SHOULD BE READ OR CALCULATED, NOT SCALED.
3. REFER TO METAL BUILDING DRAWINGS FOR SPECIFIC DETAILS AND INFORMATION.
4. REFER TO METAL BUILDING DRAWINGS FOR ALL ANCHOR BOLT SIZES AND LOCATIONS.
5. THE DESIGN OF THIS FOUNDATION WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE - 2018 EDITION.
6. 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 PERCAUTION.
7. 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.
8. 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.
9. CONTROL JOINTS IN CONCRETE SLABS SHALL BE SAWCUT, CONSTRUCTION JOINTS SHALL BE FORMED WITH KEYED METAL EDGE FORM MATERIAL OR DOWELED.
10. CONTROL JOINTS SHALL BE INSTALLED AT 12' O.C., MAX SPACING EACH WAY FOR FLOOR SLABS ON GRADE, UNLESS SHOWN OTHERWISE.

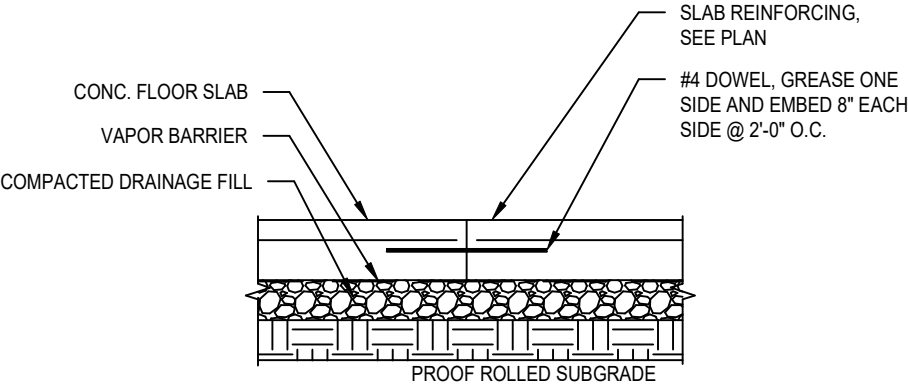


TYPICAL CORNER BAR DETAIL

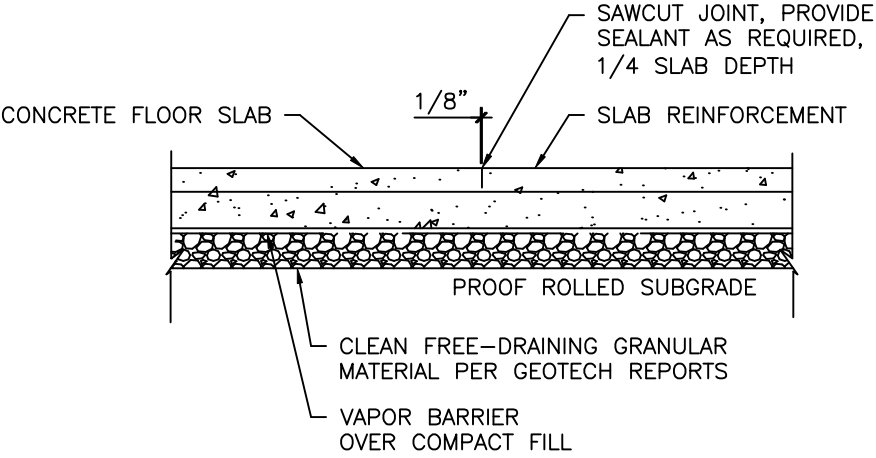


ANCHOR BOLT EMBEDMENT REQUIREMENTS:

5/8" Ø A.B. = 10" EMBEDMENT
3/4" Ø A.B. = 12" EMBEDMENT

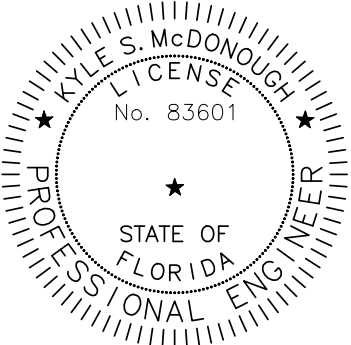


TYPICAL CONSTRUCTION JOINT



TYPICAL CONTROL JOINTS

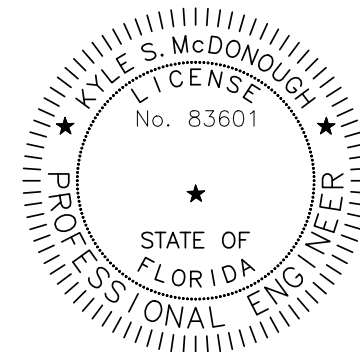
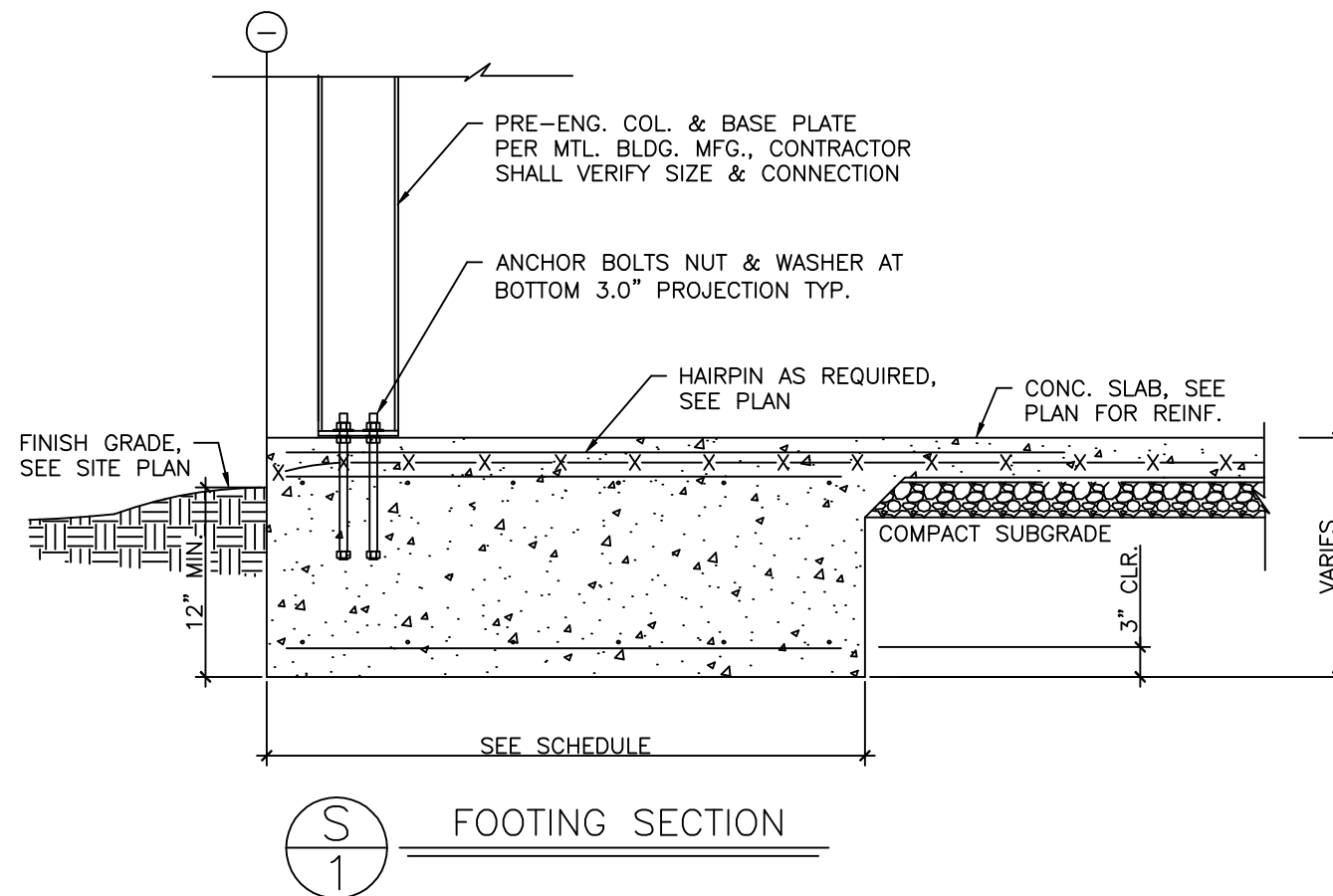
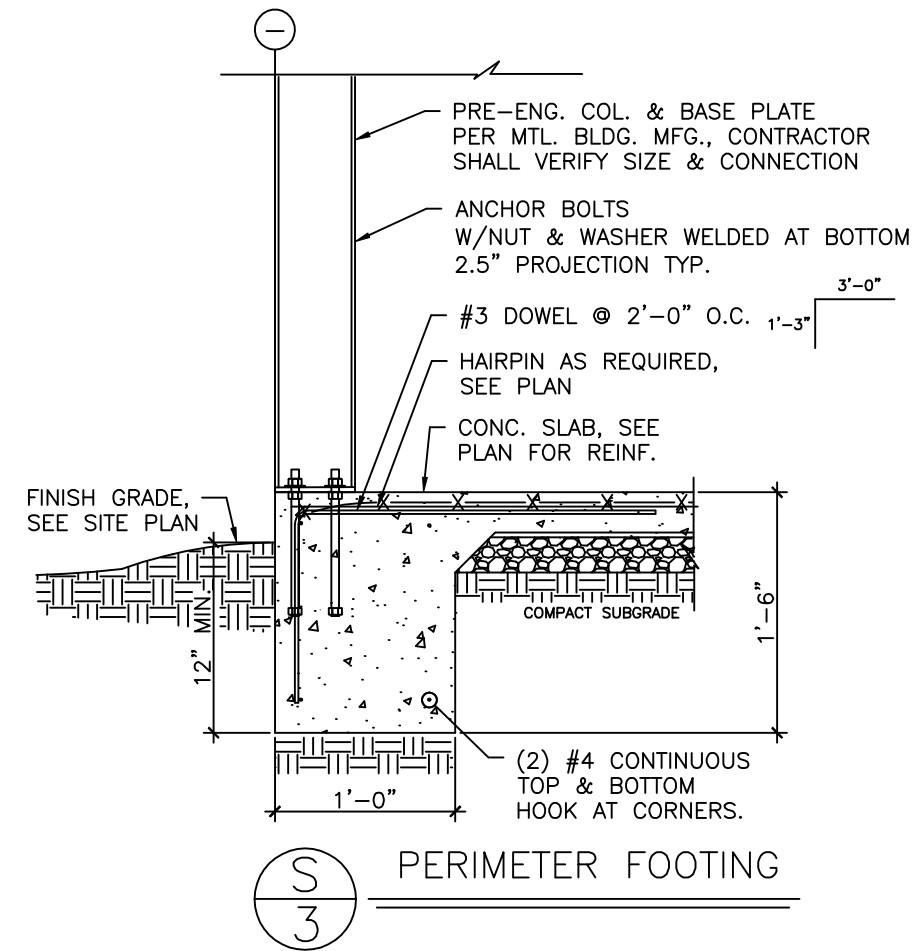
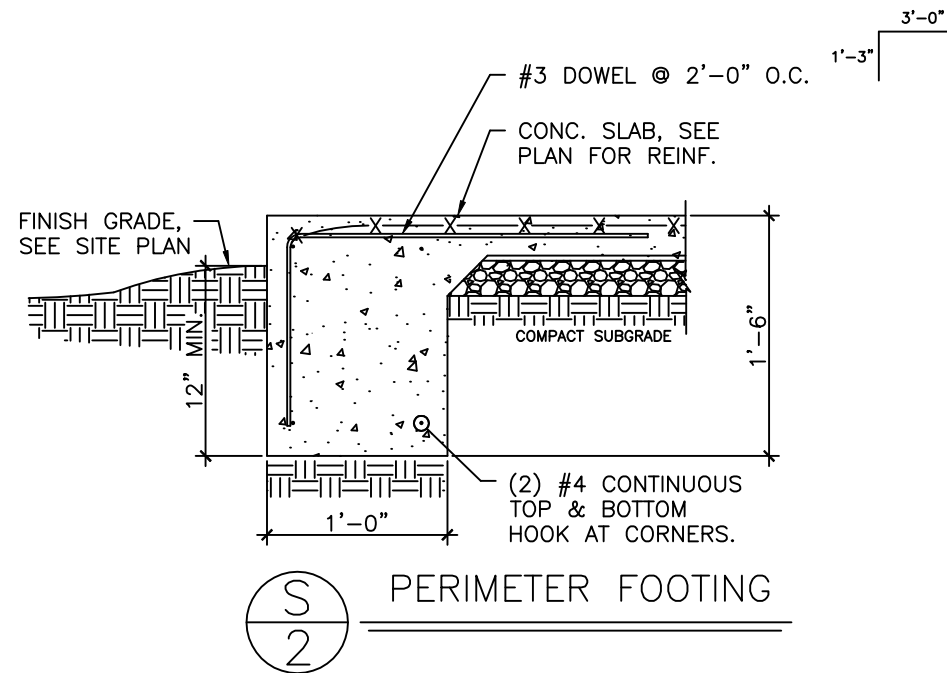
* SEE GENERAL NOTE 10 *



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