# GENERAL NOTES

### CONCRETE:

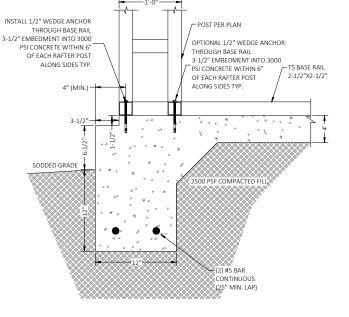
- 1. CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
- 2. CONCRETE MONOLITHIC SLAB DESIGN IS BASED ON A MINIMUM SOIL BEARING CAPACITY OF 2500 PSF.
- 3. ALL OPEN AREAS OF CONCRETE OUTSIDE OF THE PROPOSED
- STRUCTURE SHALL BE DESIGNED TO SLOPE AWAY FROM THE
- 4. WHERE CONCRETE SPECIFICATIONS ARE REQUIRED, BY ONE OR MORE REGULATORY AGENCY. THE FOLLOWING SPECIFICATIONS ARE APPLICABLE:
- a. CONCRETE SHALL CONFORM TO ASTM C94 FOR THE FOLLOWING COMPONENTS:
- i. PORTLAND CEMENT TYPE 1 ASTM C 150
- ii AGGREGATES LARGE AGGREGATE 3/4 MAX. ASTM C 33
- iii. AIR ENTRAINING +/- 1 % ASTM C 260
- iv. WATER REDUCING AGENT ASTM C 494
- v. CLEAN POTABLE WATER
- vi. OTHER ADMIXTURES NOT PERMITTED
- b. CONCRETE SLUMP AT DISCHARGE CHUTE NOT LESS THAN 3" OR MORE THAN 5". WATER ADDED AFTER BATCHING IS NOT PERMITTED. c. PREPARE & PLACE CONCRETE PER AMERICAN CONCRETE INSTITUTE
- MANUAL OF STANDARD PRACTICE, PART 1, 2, & 3 INCLUDING HOT WEATHER RECOMMENDATIONS.
- d. MOIST CURE OR POLYETHYLENE CURING PERMITTED.
- e. PRIOR TO PLACING CONCRETE, TREAT THE ENTIRE SUBSURFACE AREA FOR TERMITES IN COMPLIANCE WITH THE BUILDING CODE (FOR RISK CATEGORY II, III, & IV STRUCTURES ONLY).
- f. CONCRETE SLAB SHALL BE PLACED OVER A MIN. 6 MIL POLYETHYLENE VAPOR BARRIER (SLAB ONLY).
- 5. CONTROL JOINTS SHALL BE PROVIDED AT EVERY 12' O.C. OR 18' O.C. FOR 4" THICK OR 6" THICK CONCRETE SLAB RESPECTIVELY.

## REINFORCING STEEL:

- 1. THE REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT.
- 2. REINFORCEMENT MAY BE BENT IN THE FIELD OR SHOP AS LONG AS:
- a. IT IS BENT COLD;
- b. REINFRCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT;
- c. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS.
- 3. FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE PER ACI-318: 3 INCHES WHERE THE CONCRETE IS POURED AGAINST AND TEMPORARY IN CONTACT WITH THE EARTH OR UNPROTECTED FROM THE EARTH OR WEATHER, OTHERWISE 1-1/2 INCHES.

## FROST PROTECTION:

1. FOUNDATION SHALL BE PROTECTED AGAINST FROST USING RIGID FOAM INSULATION (EPS OR EQUIVALENT). FOR NO FROST PROTECTION OPTION, COORDINATE WITH LOCAL BUILDING CODE AND/OR BUILDING OFFICIAL REGARDING REQUIRED FOOTING DEPTH BASED ON FROST LINE DEPTH.



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Digitally signed by Richard E Walker Date: 2025.02.13 08:29:56-05'00'

# 101 LNO ENGINEERING

CHARLOTTE, FLORIDA (941) 391-5980 TAMIAMI TRAIL, ORIDA **PORT** 4161

FLÉng.c Orders@FLF

2501616

PROJECT NO.



TUBULAR BUILDING SYSTEMS P.O. BOX. 2254 LAKE CITY, FL 32056

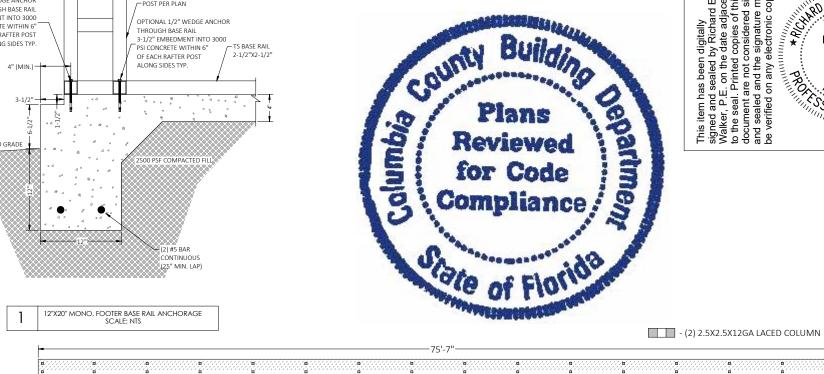
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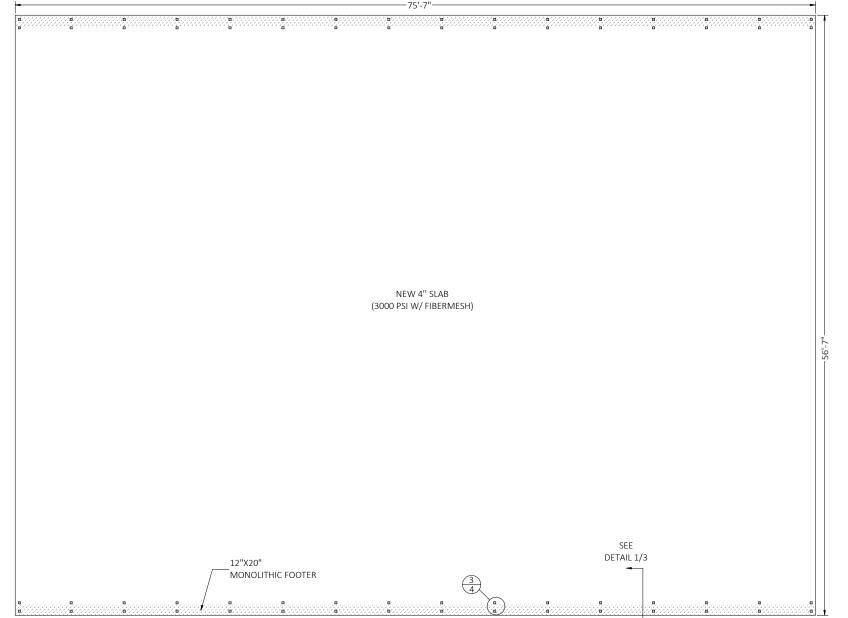
**DESIGN DATE:** 02/07/2025 **REVISION 1:** DATE **REVISION 2:** DATE DRAWN BY:

NTS

SCALE:

SHEET: TCP





FOUNDATION PLAN SCALE: NTS