

CONTRATOR: Upright Aluminum

APPLICABLE CODES, REGULATIONS & STANDARDS
1. THE 2010 FLORIDA BUILDING CODE, SPECIFICALLY CHAPTER 16 STRUCTURAL DESIGN, CHAPTER 20 ALUMINUM & CH. 23 WOOD.
2. AA ASM 35 & SPECIFICATIONS FOR ALUMINUM STRUCTURES, PART 1-A OF THE ALUMINUM DESIGN MANUAL PREPARED BY THE ALUMINUM ASSOCIATION, INC.
3. ASCE 7-10.

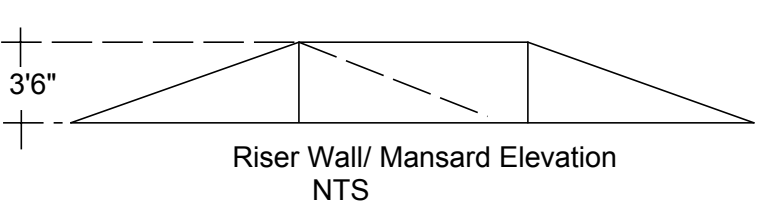
WIND LOADS
1. BUILDING OCCUPANCY CATEGORY, PARAGRAPH 1604.5 & TABLE 1604.5:
RISK CATEGORY 1.
2. BASIC WIND SPEED, TABLE 1609C, STATE OF FLORIDA DEBRIS REGION & BASIC WIND SPEED, PARAGRAPH 1609.3.1 & TABLE 1609.3.1
EQUIVALENT BASIC WIND SPEED: 150 MPH. EXPOSURE CATEGORY, PARAGRAPH 1609.4.3: B
3. SCREENED ROOF ENCLOSURE TABLE 2002.4

FOUNDATION DESIGN
FOOTING SIZE: EXISTING CONCRETE SLAB. NO ADDITIONAL FOOTING OR FOUNDATION SYSTEM IS REQUIRED BY THE PROPOSED CONSTRUCTION IF A MINIMUM 4" CONCRETE SLAB (3000 PSI) IS PROVIDED IN SOUND CONDITION, FREE FROM STRUCTURAL CRACKING, SPALLING & OTHER DETERIORATION. EXISTING FOUNDATION/FOOTING UNDER CONCRETE SLAB MINIMUM 8"x8" w/ (1) #5 BAR TO VE VERIFIED BY CONTRACTOR.SEE TYPICAL FOOTING DETAILS FOR NEW FOOTING DESIGN MINIMUM REQUIREMENTS.

SPECIFICATIONS
THE FOLLOWING SPECIFICATIONS ARE APPLICABLE TO THIS PROJECT:

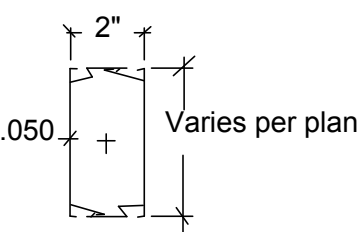
1. WHERE CONCRETE SPECIFICATIONS ARE REQUIRED, WHETHER IN THE SCREEN ENCLOSURE SCOPE OR NOT, BY ONE OR MORE REGULATORY AGENCY, THE FOLLOWING SPECIFICATIONS ARE APPLICABLE:
a. CONCRETE SHALL CONFORM TO ASTM C94 FOR THE FOLLOWING COMPONENTS:
i. PORTLAND CEMENT TYPE 1 - ASTM C 150
ii. AGGREGATES - LARGE 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. METAL ACCESSORIES SHALL CONFORM TO:
i. REINFORCING BARS - ASTM A615, GRADE 60
ii. WELDED WIRE FABRIC - ASTM A185
c. CONCRETE SLUMP AT DISCHARGE CHUTE NOT LESS THAN 3" OR MORE THAN 5" WATER ADDED AFTER BATCHING IS NOT PERMITTED.
d. PREPARE & PLACE CONCRETE PER AMERICAN CONCRETE INSTITUTE MANUAL OF STANDARD PRACTICE, PART 1, 2, & 3 INCLUDING HOT WHEATHER RECOMMENDATIONS.
e. MOIST CURE OR POLYETHYLENE CURING PERMITTED.
f. PRIOR TO PLACING CONCRETE, TREAT THE ENTIRE SUBSURFACE FOR TERMITES IN COMPLIANCE WITH THE FBC.BARRIER.(SCREEN ROOMS) NOT REQUIRED FOR SCREENED CAGES
2. ALUMINUM EXTRUSIONS SHALL BE 6005 T5 ALLOY.
3. FASTNERS ARE REQUIRED TO BE SAE GRADE 2 OR BETTER ZINC PLATED. (CONCRETE ANCHORS ARE TO BE TAPCONS OR BETTER, INSTALLED TO MFG. INSTALLATION GUIDELINES
4. ALL SELF MATING BEAM SECTIONS ARE TO BE STITCHED WITH #12 SCREWS 6" FROM ENDS & 24" CENTER TO CENTER. (WHERE SELF MATING SNAP SECTIONS ARE INDICATED NO STITCHING IS REQUIRED)
5. THE MINIMUM NOMINAL THICKNESS OF PROTECTOR PANELS (KICKPLATES) SHALL BE AN INDUSTRY STANDARD 0.024 INCHES.
6. SCREENED ENCLOSURES CONTAINING SWIMMING POOLS SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF FBC R4101.17 RESIDENTIAL SWIMMING BARRIER REQUIREMENTS.
7. SCREEN MATERIAL SHALL BE 18/14 SCREEN UNLESS APPROVED BY CRAIG E. GUNDERSON
8. DOOR LOCATION SHALL BE DETERMINED BY CONTRACTOR IN THE FIELD.
9. ROOF BRACING SHALL BE A MINIMUM 2"x2"x0.44".
10. WHEN PAVERS ARE UNDER ALUMINUMUM MEMBERS, CONTRACTOR SHALL EPOXY TO DECK OR GROUT TO DECK w/3000 PSI GROUT WITH BONDING AGENT. 11. WHEN APPLICABLE FOR NEW FOOTER TO EXISTING, DRILL & EPOXY NEW STEEL INTO EX. FOUNDATION WITH 1" MIN. HOLE, EMBED 4" MIN. w/ NON-SHINKING SIMPSON EPOXY-TIE-S.E.T. (OR EQUAL) TYP. ALL LOCATIONS.
12. FOR "PICTURE WINDOW" MODIFICATION TO EXISTING SCREEN ENCLOSURES, ALL OTHER "EXISTING SCREEN ENCLOSURE" FEATURES ARE TO MEET THE TYPICAL DETAILS AS PROVIDED IN THESE DETAILS. CONTRACTOR IS TO VERIFY & ASSURE EXISTING SCREEN ENCLOSURE IS STRUCTUALLY SOUND.
13. RETAINING WALLS WHEN REQUIRED REQUIRE ADDITIONAL CONCRETE/STEEL AND ARE SITE SPECIFIC. THESE FOUNDATION DETAILS ARE FOR SLAB ON GRADE CONDITIONS ONLY.
14. CONTRACTOR IS TO VERIFY POOL ENGINEERING REQUIREMENTS AND COMPLY WITH RETAINING WALL OR ANY OTHER SPECIFICATIONS BY POOL DESIGN PROFESSIONAL. ANY ADDITIONAL DETAILS OR STRUCTURAL INCREASE FOR POOL ENGINEERING DUE TO ALUMINUM ENCLOSURELOADING IS TO BE ADDRESSED BY THE POOL ENGINEER DESIGN PROFESSIONAL. GULFCOAST ENGINEERING / ENGINEER HAS NOT REVISED POOL ENGINEERING AS PART OF THESE DETAILS. THESE DETAILS ARE MINIMUM STRUCTURAL SPECIFICATIONS.
15. FOR FASTENERS WHICH ARE NOT VISIBLE AFTER INSTALLATION, THE CONTRACTOR SHALL VERIFY AND INSURE INSTALLATION HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND IN ACCORDANCE WITH THE ATTACHED DETAILS.

SCALE: NTS

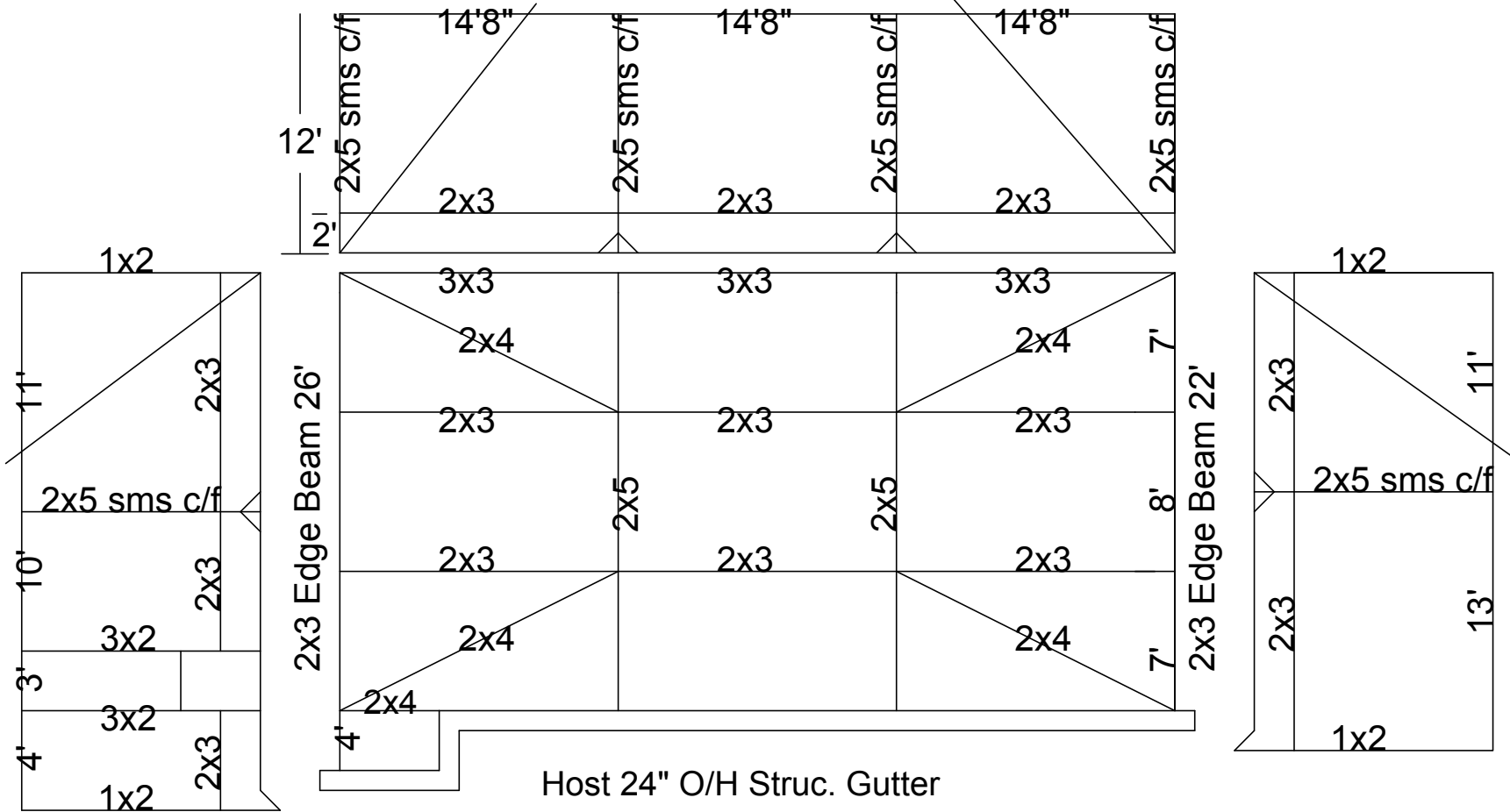


\\ Denotes
Deflection Plates

c/f Denotes
Grout Filled
Columns



* May use 2x5 SMS or SMB cement filled



Lee 6781 Livingston Woods Ln.
Pool Enclosure Collier 150-B
E-Permit

Job# 102215

Craig E. Gunderson, P.E. #060102
Date:

Florida Engineering, LLC.
4456 Tamiami Trail - Unit B-14
Port Charlotte, FL 33980
PHONE: (941) 391-5980

CA Cert. #30782

Contractor:
Upright Aluminum
Project Address:
Lee
6781 Livingston Woods Ln.,
Collier County, FL