Door location shall be determined by contractor in the field. Roof bracing shall be a minimum 2"x2"x0.44". Connection shall be Risk Category 1. 2. Basic Wind Speed, Table 1609C, State of Florida Debris Region & Basic Wind Speed, Paragraph 1609.3.1 and Table 1609.3.1 Equivalent Basic Wind Speed: 120 MPH. Exposure Category, Paragraph 1609.4.3: B 3. Screen roof enclosure, Table 2002.4 DESIGN CRITERIA: Screened enclosures containing swimming pools shall comply with the applicable requirements of FBC R4101.17 Residential 5. The minimum nominal thickness of protector panels (kickplates) Aluminum extrusions shall be 6005 T5 Alloy Fasteners are required to be SAE Grade 2 or better zinc plated. CONTRACTOR: TIMBERLAKE ALUMINUM CONSTRUCTION Screen material shall be 18/14 screen unless approved by Suncoast All Self Mating Beam Sections are to be stitched with either #14 Foundation Design Footing Size and Reinforcing: Existing concrete. No additional concrete footing or slab is required to resist the loads imposed upon the existing slab by the proposed construction if the existing slab is a minimum of 4" thick and in sound condition, free from Applicable Codes, Regulations, and Standards 1. The 2010 Florida Building Code specifically Chapter 16 Structural Design, Chapter 20 Aluminum, and Chapter 23 Wood. 2. AA ASM 35 and Specifications for Aluminum Structures, Part 1-A Where concrete specifications are required, whether in the screen enclosure scope or not, by one or more regulatory agency, the 3. ASCE 7-10. structural cracking, spalling, or other deterioration. The following specifications are applicable to this project: Building Occupancy Category, Paragraph 1604.5 and Table 1604.5: epoxy to deck or grout to deck w/ 3000 PSI grout with bonding similar to C/A-2 w/ top strap. screws 6" from ends and 24" center to center or #12 screws 6" from approved by Suncoast Architecture & Engineering Swimming Barrier requirements. shall be an industry standard of 0.024 inches. ends and 12" center to center. of the Aluminum Design Manual prepared by The Aluminum Association, Inc. Washington, D.C., 2005 Edition following specifications are applicable: Design shall be based upon "PINNED" upright analysis unless When pavers are under aluminum members contractor shall d. Prepare and place concrete per American Concrete Institute ii. Welded wire fabric - ASTM A185 g. Concrete shall be placed over a polyethylene vapor barrier. b. Metal accessories shall conform to: i. Reinforcing Bars - ASTM A615, grade 60 V. Clean Potable water Portland Cement Type 1,- ASTM C 150 a. Concrete shall conform to ASTM C94 for the following iv. Water reducing agent - ASTM C 494 Prior to placing concrete, treat the entire subsurface area for Moist cure or polyethylene curing permitted Aggregates - Large Aggregate 3/4" max - ASTM C 33 Air entraining +/- 1% - ASTM C 260 Concrete slump at discharge chute not less than 3" or more termites in compliance with the FBC weather recommendations Manual of Standard Practice, Parts 1, 2, and 3 including hot than 5". Water added after batching is not permitted. Other admixtures not permitted 6'-11" 1X2(typ) 2X2 2X2 2X2 11'-0" SMB SMB SMB 2X5 SMB 1X2 2X5 1X2 1X2(typ) -5'−0" + --11'--0"-3'--0" 11'-0" 29' 27' 2X2 1X2 2X2(typ)X SMB 2X2(typ) 6'-0" 2X2 2X3 -0" 2X7 2X5 SMB **SMB** SMB A-3 1X2(typ) 1X2(typ) -6'-0" 2X3 2X3 -21'-0" A-3 2X5 2X7 2X4 2X5 SMB 2X7SMB C.B. **SMB** SMB SMB -63. 2X2 2X3 2X3 0,0,0 2X5 SMB 2X5SMB 2X7 2X4 1X2(typ) SMB SMB 2X2DJ X2(typ) 2X2 2X2DJ 2X3 2X3 48'-0" 1X2 2X5 2X7 -2'-0" **SMB** SMB -6'-0"2X2 A-2 A-P 2X3 2X3 A-2 2X5 SMB SMB 2X2(typ) 2X2(typ) -6'-0" A-2 2X2 2X3 2X7 SMB LUMBIA O, 2X2 0, Ó, 2X5 2X7 SMB SMB Q 2X2DJ 2X2(typ) WENT. 2X2DJ 1X2 0 JEN MORAG PROFESSIONAL ENGINEER PROJECT ADDRESS: DATE DRAWN 06/29/12 SUNCOAST ARCHITECTURE DRAWN BY & ENGINEERING, LLC REVISION MARTIN STATE OF 997 SW HILL CREEK DR 13630 58TH STREET NORTH SUITE 101 CLEARWATER FL. 33760 STEVEN MORAGA, P.E. COLUMBIA, FL FLORIDA LICENSE: 64609 TEL: (727) 532-9000 FAX: (727) 532-9008 FLORIDA LICENSES: AA26001769 & CA #28841 NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF SUNCOAST ARCHITECTURE & ENGINEERING. LLC @COPYRIGHT