CONTRACTOR: TIMBERLAKE ALUMINUM CONSTRUCTION **DESIGN CRITERIA:**

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 of the Aluminum Design Manual prepared by The Aluminum Association, Inc. Washington, D.C., 2005 Edition
- 3 ASCE 7-10

- 1 Building Occupancy Category, Paragraph 1604 5 and Table 1604 5 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
 - VULT = 120 MPH, VASD = 93 MPH
- 3 Exposure Category, Paragraph 1609 4 3 C
- 4 Screen Roof Enclosure Table 2002.4

Foundation Design

Existing concrete. No additional concrete footing or slab is required to resist the loads imposed by the proposed construction if the existing slab is a minimum 4" thick with an 8" x 8" thickened slab edge and in sound condition, free from structural cracking, spalling, or other deterioration.

Specifications

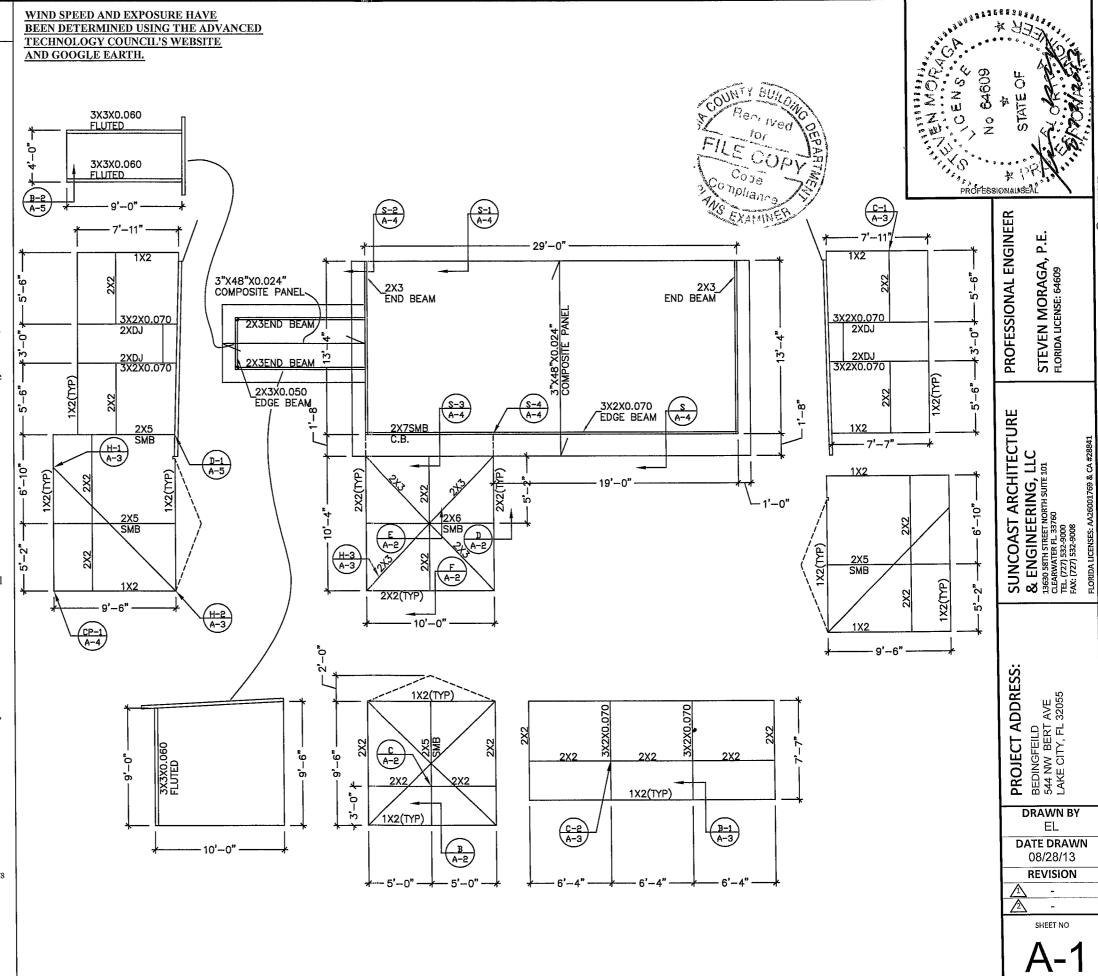
- The following specifications are applicable to this project
- 1 Where concrete specifications are required, whether in the screen enclosure scope or not, by one or more regulatory agency, the following specifications are applicable
 - a. Concrete shall conform to ASTM C94 for the following components
 - 1 Portland Cement Type 1,- ASTM C 150
 - 11 Aggregates Large Aggregate 3/4" max ASTM C 33 111 Air entraining +/- 1% ASTM C 260

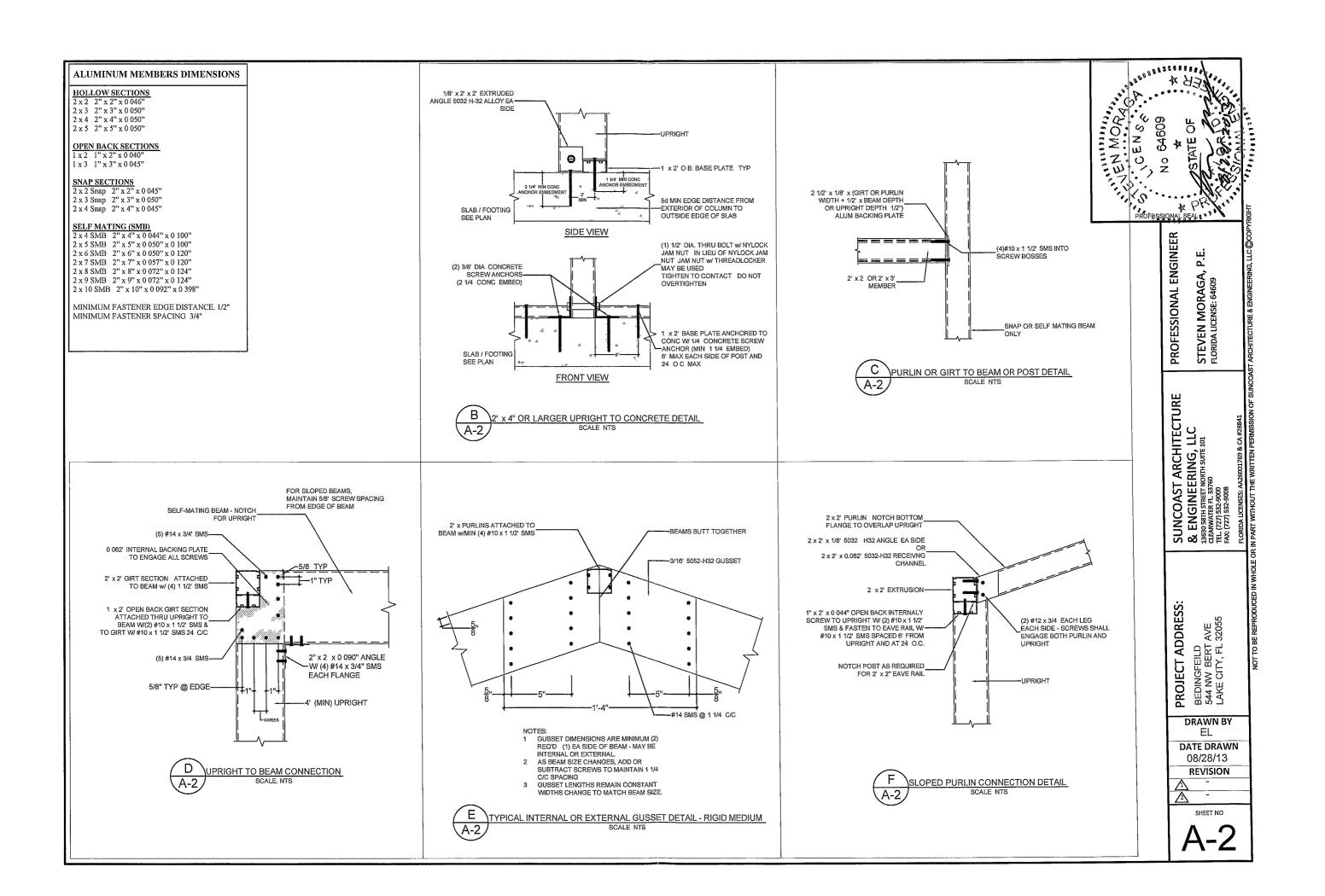
 - iv Water reducing agent ASTM C 494
 - v Clean Potable water
 - vi Other admixtures not permitted
 - b Metal accessories shall conform to
 - 1. Reinforcing Bars ASTM A615, grade 60
 - 11 Welded wire fabric ASTM A185
 - c. Concrete slump at discharge chute not less than 3" or more than 5" Water added after batching is not permitted.
 - d Prepare and place concrete per American Concrete Institute Manual of Standard Practice, Parts 1, 2, and 3 including hot weather recommendations
 - e Moist cure or polyethylene curing permitted.
 - f Prior to placing concrete, treat the entire subsurface area for termites in compliance with the FBC
 - g. Concrete shall be placed over a polyethylene vapor barrier
 - h. All aluminum components embedded within concrete shall be coated with a bituminous paint or epoxy
- 2 Aluminum extrusions shall be 6005 T5 Alloy
- 3 Fasteners are required to be SAE Grade 2 or better zinc plated
- 4 All Self Mating Beam Sections are to be stitched with either #14 screws 6" from ends and 24" center to center or #12 screws 6" from ends and 12" center to center
- 5 The minimum nominal thickness of protector panels (kickplates) shall be an industry standard of 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 Suncoast Architecture & Engineering, LLC
- 8 Door location shall be determined by contractor in the field
- 9 When installing pavers over concrete slab or footing which are supporting aluminum members, such as continuous screen tracks or upright, the pavers must be bonded to the concrete with an epoxy, thinset, or 3,000 PSI grout to ensure full positive contact with concrete

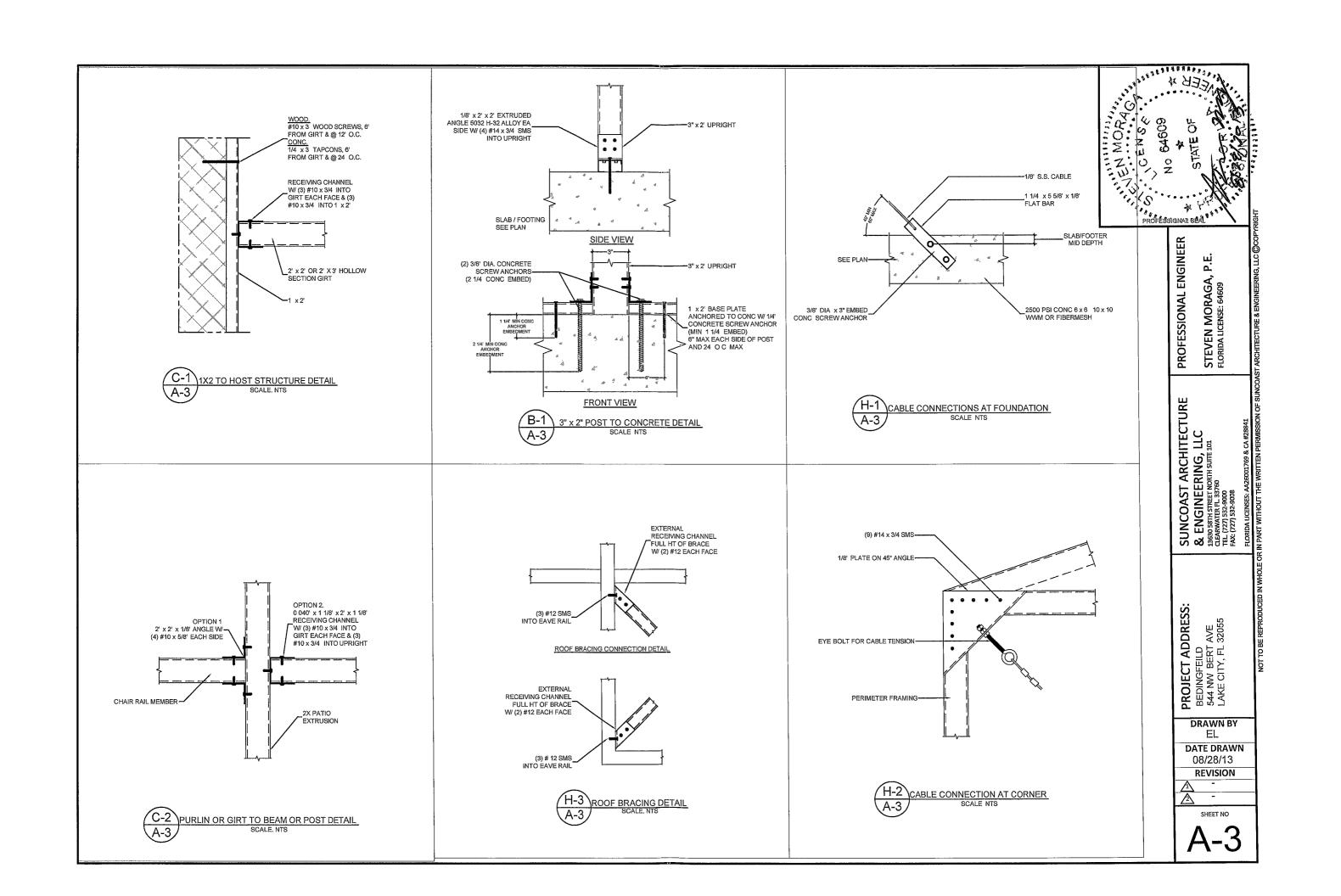
Roof Type

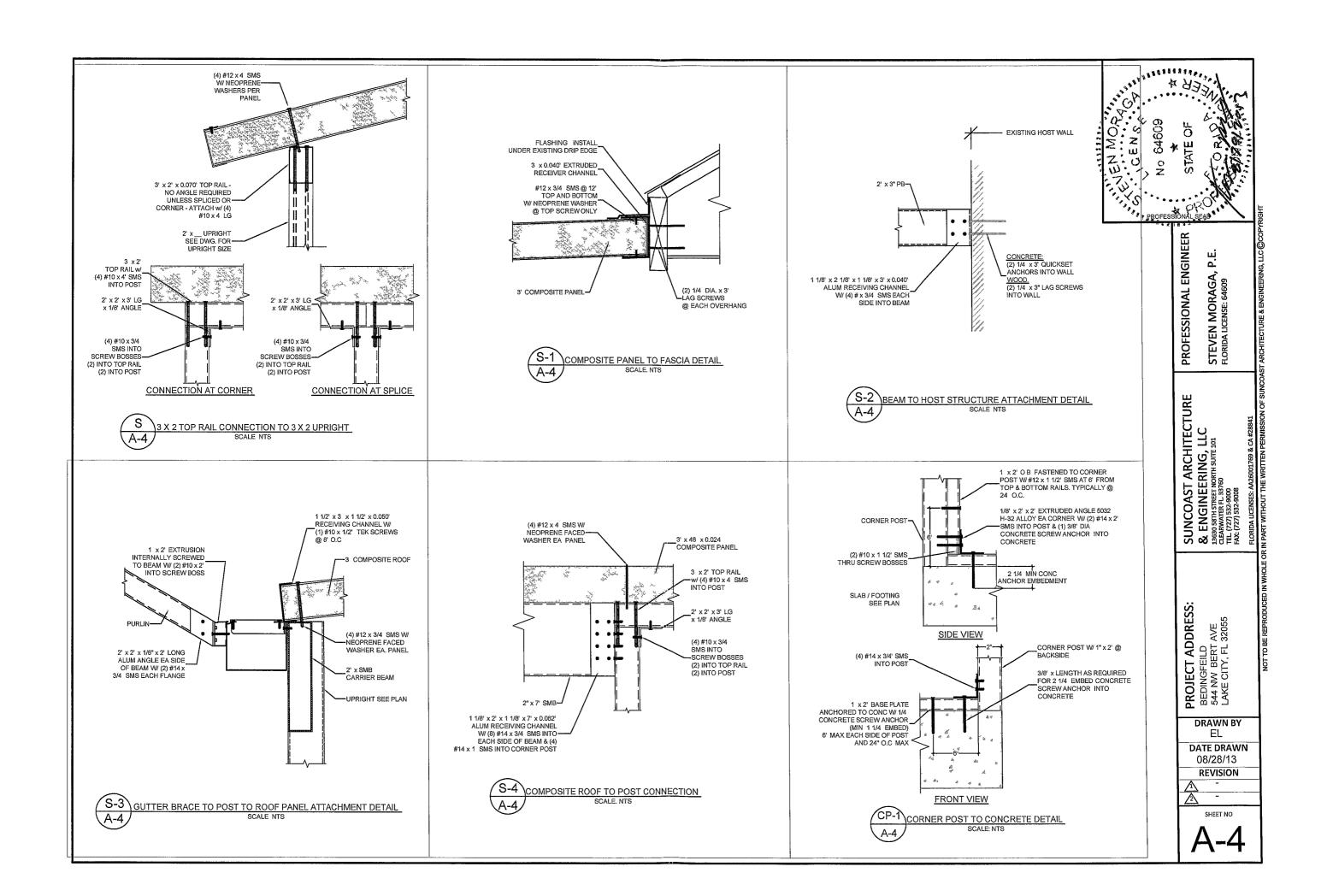
Roof Type MONOSLOPE/GABLE

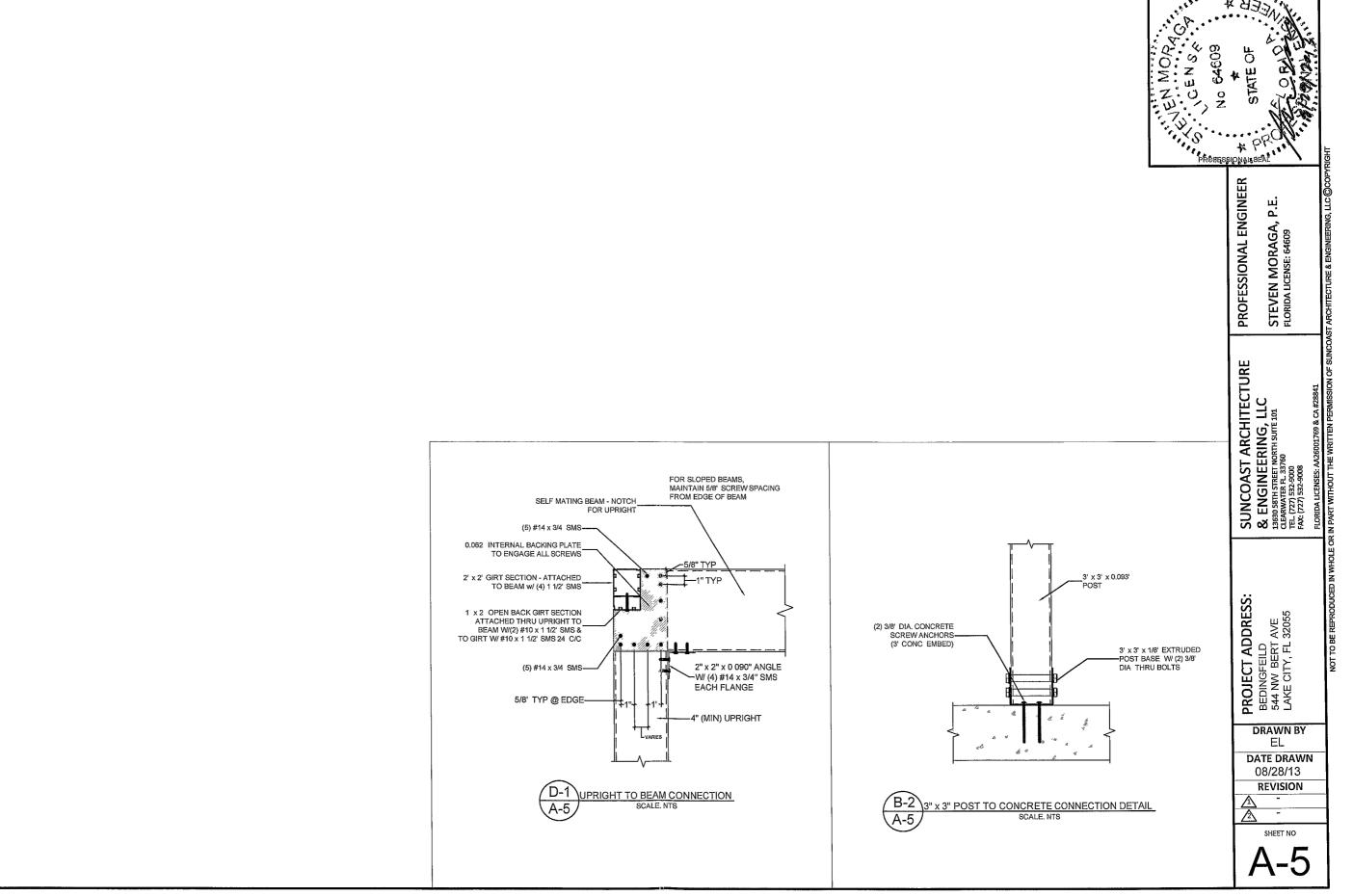
3" x 48" x 0.024" composite panel Elite 2000, 1.0 density foam, Florida Product Approval Number FL 7561-R2.











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