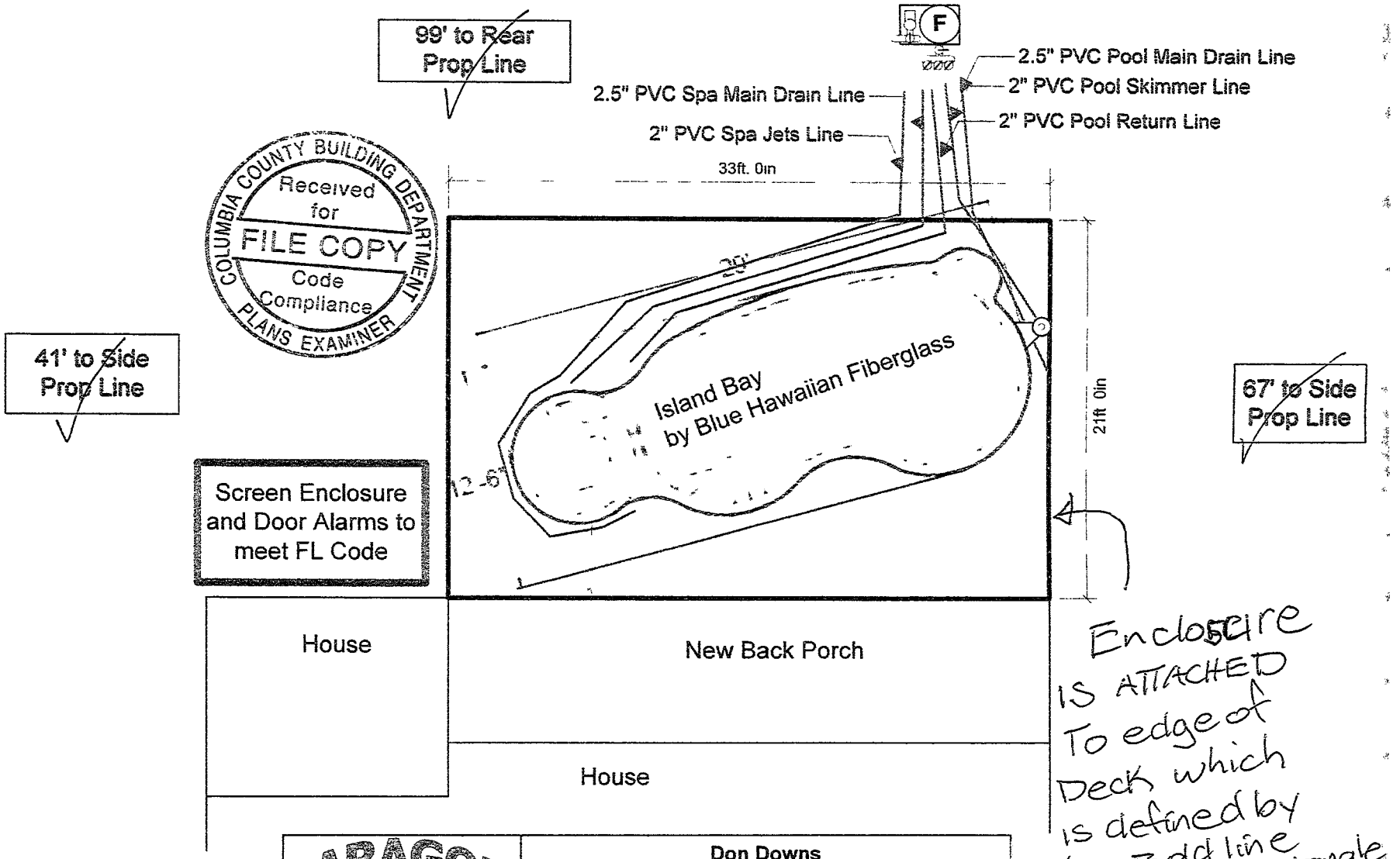

PARAGON Pools

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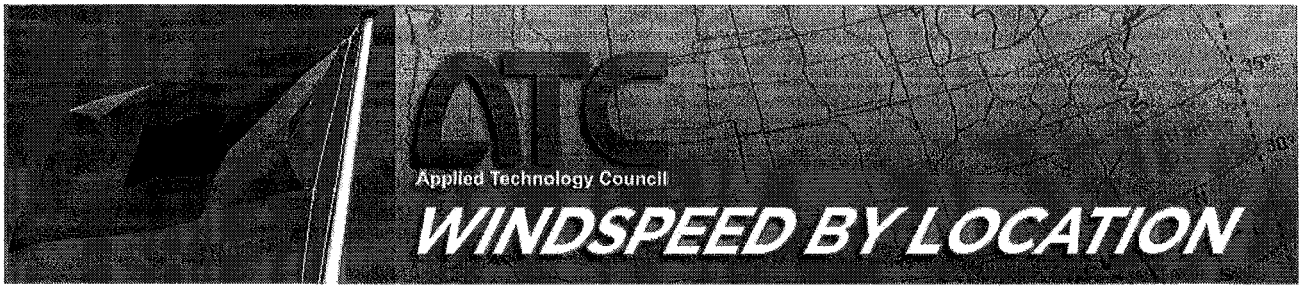
Don Downs
121 Cessna Ct
Lake City, FL

Paragon Pools
(386) 755-7300

License	DESIGNER	REV
CPC1456799	**Brent Handy** Brent@ParagonPoolsOnline.com	
SCALE 1/8" = 1'		SHEET 1 OF 1



Search Results

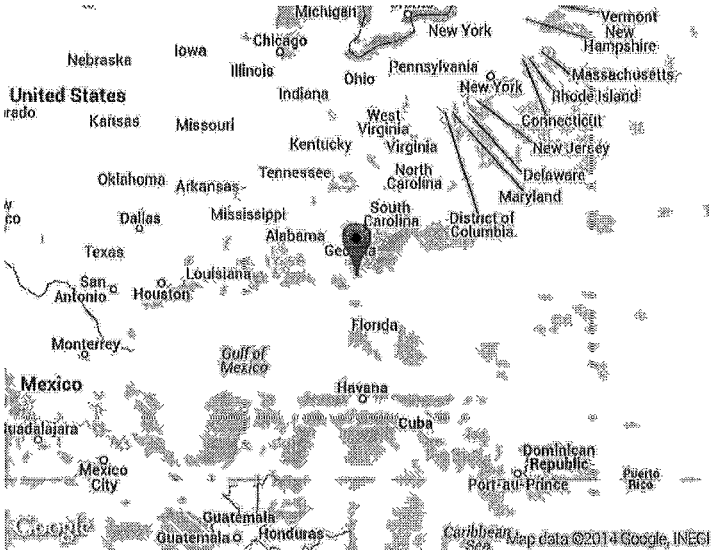
Latitude: 30 1603
Longitude: -82 6641

ASCE 7-10 Wind Speeds (3-sec peak gust MPH*):

Risk Category I: 109
Risk Category II: 119
Risk Category III-IV: 128
MRI 10 Year:** 76
MRI 25 Year:** 84
MRI 50 Year:** 91
MRI 100 Year:** 98

ASCE 7-05: 100
ASCE 7-93: 90

*MPH(Miles per hour)
**MRI Mean Recurrence Interval (years)



Users should consult with local building officials to determine if there are community-specific wind speed requirements that govern

Download a PDF of your results

Print your results

WIND SPEED WEB SITE DISCLAIMER:

While the information presented on this web site is believed to be correct, ATC assumes no responsibility or liability for its accuracy The material presented in the wind speed report should not be used or relied upon for any specific application without competent examination and verification of its accuracy, suitability and applicability by engineers or other licensed professionals ATC does not intend that the use of this information replace the sound judgment of such competent professionals, having experience and knowledge in the field of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the results of the wind speed report provided by this web site Users of the information from this web site assume all liability arising from such use Use of the output of this web site does not imply approval by the governing building code bodies responsible for building code approval and interpretation for the building site(s) described by latitude/longitude location in the wind speed report.

Google earth

feet 1000

meters 500

CONTRACTOR: MARTIN EXTERIORS.
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.

Wind Loads

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: V_{ULT} = **110 MPH,** V_{ASD} = **85 MPH**
3. Exposure Category, Paragraph 1609.4.3: **B**
4. Screen Roof Enclosure Table 2002.4

Foundation Design

New Type II 4" Monolithic Concrete Slab - 8" x 8" w/(1) #5 Cont. 39" overlap at joints on 3" chairs and poured w/ 2,500 PSI concrete. The foundations are based on a minimum soil bearing pressure of 1,500 psf.

Specifications

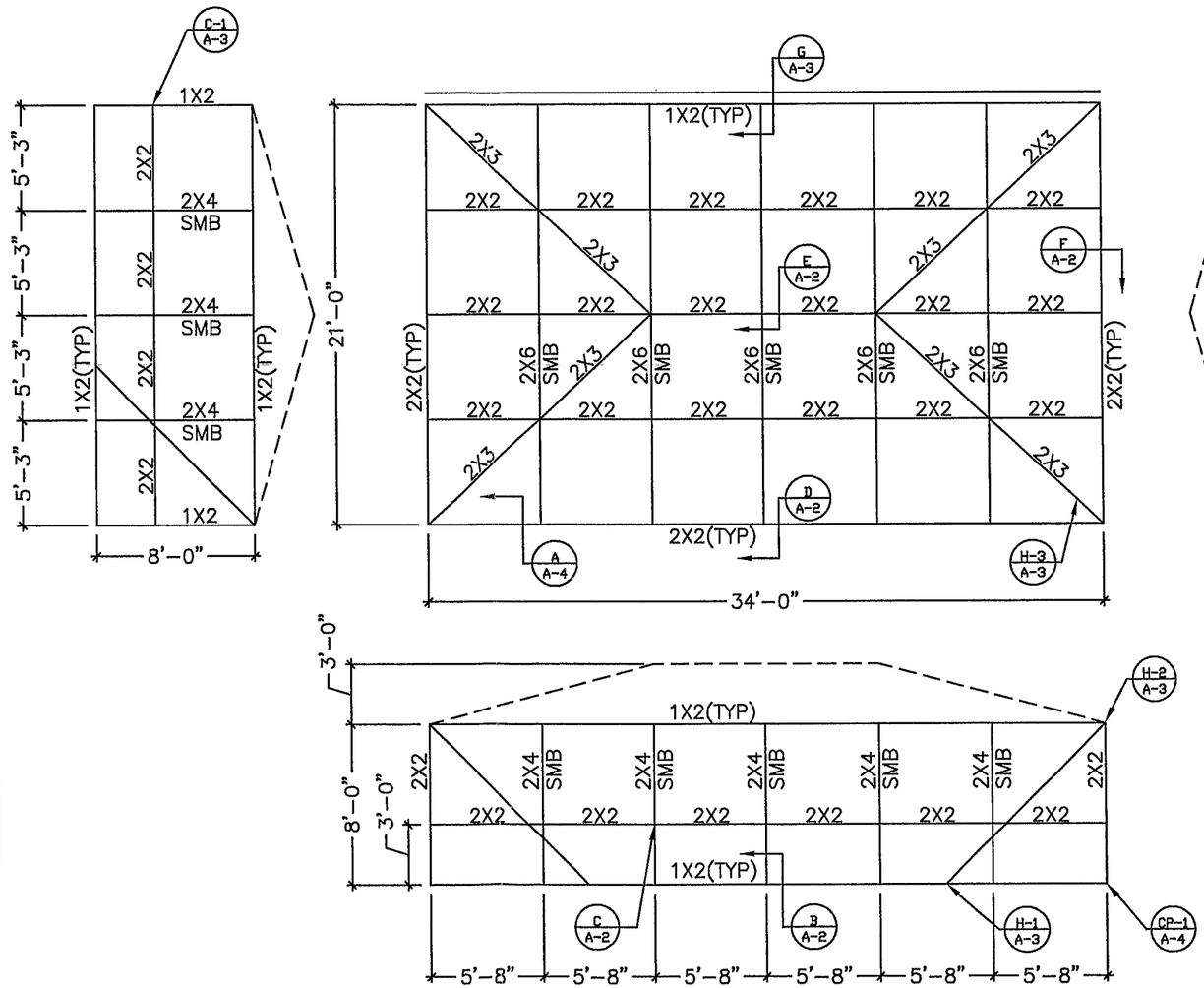
The following specifications are applicable to this project:

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 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.
10. Design shall be based upon "PINNED" upright analysis unless approved by Suncoast Architecture & Engineering, LLC

Roof Type

Roof Type: HIPPED GABLE

WIND SPEED AND EXPOSURE HAVE BEEN DETERMINED USING THE ADVANCED TECHNOLOGY COUNCIL'S WEBSITE AND GOOGLE EARTH.



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FLORIDA LICENSE: 64609

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CLEARWATER FL 33760
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FLORIDA LICENSES: AA26001769 & CA #28841

PROJECT ADDRESS:
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121 CESSNA CT
LAKE CITY
FL

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ALUMINUM MEMBERS DIMENSIONS

HOLLOW SECTIONS
2 x 2 2" x 2" x 0 046"
2 x 3 2" x 3" x 0 050"
2 x 4 2" x 4" x 0 050"
2 x 5 2" x 5" x 0 050"

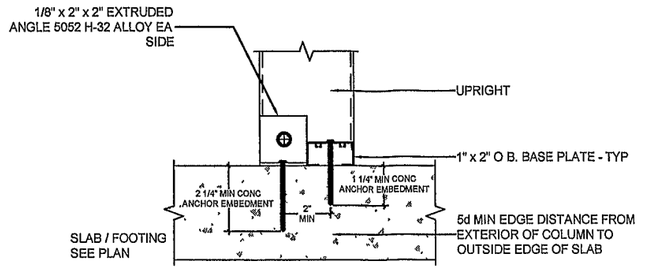
OPEN BACK SECTIONS
1 x 2. 1" x 2" x 0 040"
1 x 3 1" x 3" x 0 045"

SNAP SECTIONS
2 x 2 Snap 2" x 2" x 0 045"
2 x 3 Snap 2" x 3" x 0 050"
2 x 4 Snap· 2" x 4" x 0 045"

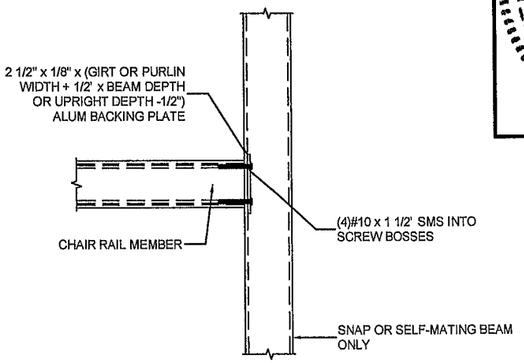
SELF MATING (SMB)
2 x 4 SMB 2" x 4" x 0 044" x 0 100"
2 x 5 SMB 2" x 5" x 0 050" x 0 100"
2 x 6 SMB 2" x 6" x 0 050" x 0 120"
2 x 7 SMB 2" x 7" x 0 057" x 0 120"
2 x 8 SMB 2" x 8" x 0 072" x 0 124"
2 x 9 SMB 2" x 9" x 0 072" x 0 124"
2 x 10 SMB 2" x 10" x 0 092" x 0 398"

MINIMUM FASTENER EDGE DISTANCE. 1/2"
MINIMUM FASTENER SPACING· 3/4"

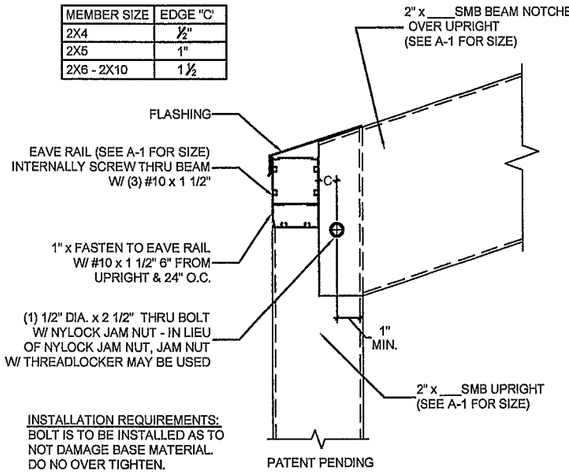
CONCRETE SCREW ANCHOR:
SIMPSON TITEN HD OR EQUIVALENT
SHEET METAL SCREWS (SMS):
ITW / BUILDEX OR EQUIVALENT



B / A-2 2" x 4" OR LARGER UPRIGHT TO CONCRETE DETAIL
SCALE. NTS



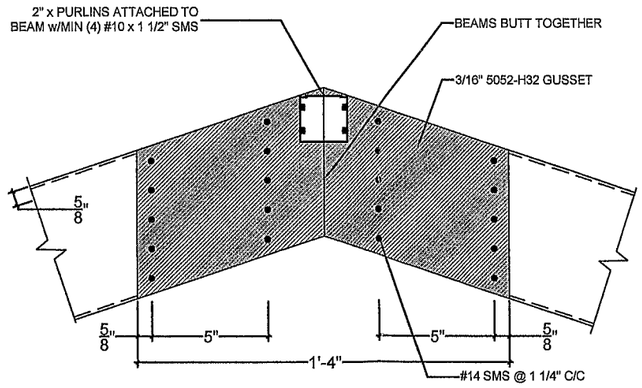
C / A-2 PURLIN OR GIRT TO BEAM OR POST DETAIL
SCALE. NTS



MEMBER SIZE	EDGE "C"
2X4	½"
2X5	1"
2X6 - 2X10	1½

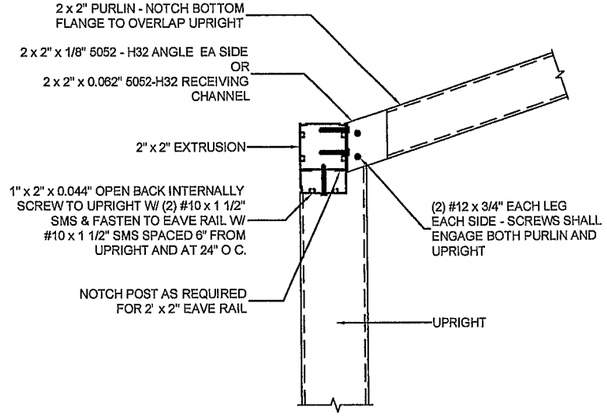
INSTALLATION REQUIREMENTS:
BOLT IS TO BE INSTALLED AS TO NOT DAMAGE BASE MATERIAL. DO NO OVER TIGHTEN.

D / A-2 UPRIGHT TO BEAM CONNECTION
SCALE. NTS



NOTES:
1 GUSSET DIMENSIONS ARE MINIMUM (2) REQ'D - (1) EA SIDE OF BEAM - MAY BE INTERNAL OR EXTERNAL.
2. AS BEAM SIZE CHANGES, ADD OR SUBTRACT SCREWS TO MAINTAIN 1 1/4' C/C SPACING.
3. GUSSET LENGTHS REMAIN CONSTANT, WIDTHS CHANGE TO MATCH BEAM SIZE

E / A-2 TYPICAL INTERNAL OR EXTERNAL GUSSET DETAIL - RIGID MEDIUM
SCALE: NTS



F / A-2 SLOPED PURLIN CONNECTION DETAIL
SCALE. NTS

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PROFESSIONAL SEAL

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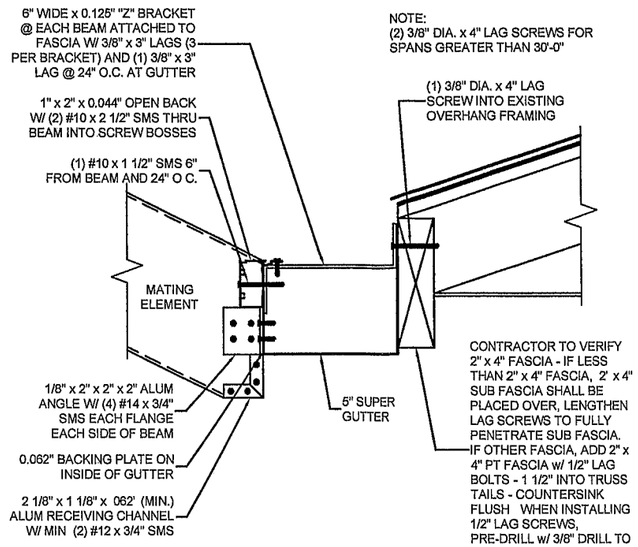
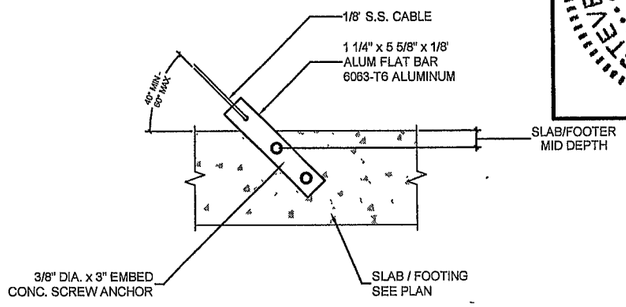
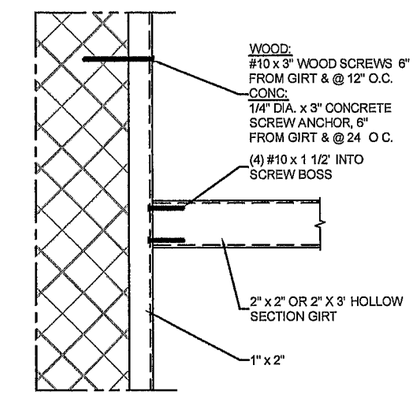


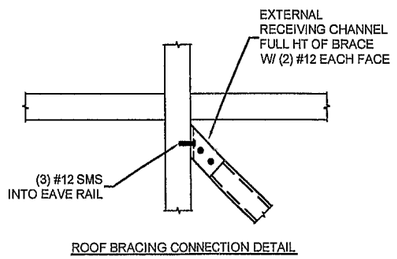
G / A-3 GUTTER BRACE & MATING ELEMENT ATTACHMENT DETAIL
SCALE. NTS



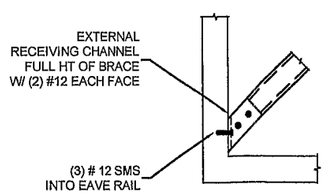
H-1 / A-3 CABLE CONNECTIONS AT FOUNDATION
SCALE. NTS



C-1 / A-3 1X2 TO HOST STRUCTURE DETAIL
SCALE. NTS



ROOF BRACING CONNECTION DETAIL



H-3 / A-3 ROOF BRACING CONNECTION DETAIL
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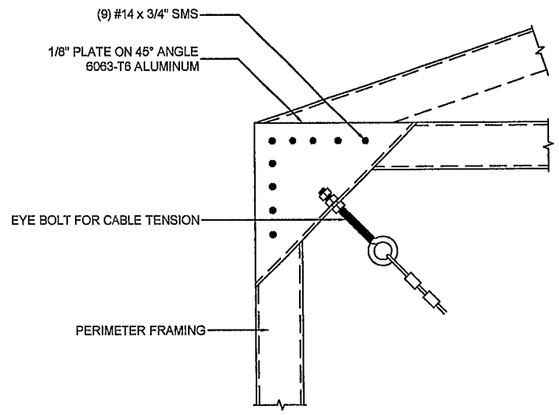

H-2 / A-3 CABLE CONNECTION AT CORNER
SCALE. NTS

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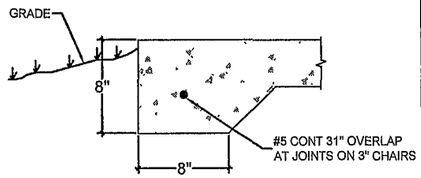
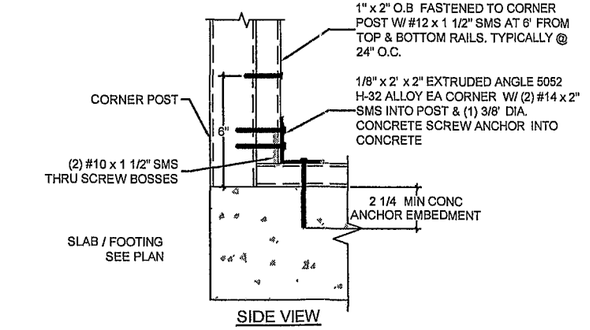


TYPE II
MODERATE SLOPE FTG
2.12 - 3.12

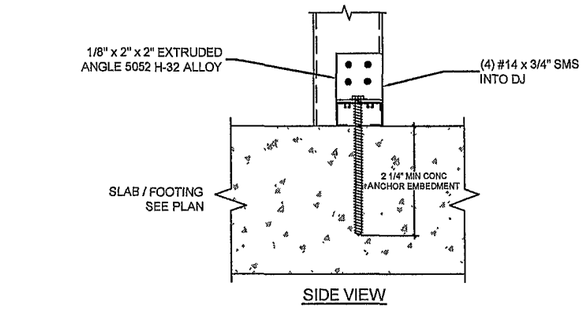
NOTES FOR ALL FOUNDATION TYPES:

1. THE FOUNDATIONS SHOWN ARE BASED ON A MIN SOIL BEARING PRESSURE OF 1,500 PSF
2. THE SLAB/FOUNDATION SHALL BE CLEARED OF DEBRIS, ROOTS AND COMPACTED PRIOR TO PLACEMENT OF CONC.
3. CONCRETE SHALL BE PER SPECIFICATIONS ON SHEET A-1
4. FIBERMESH MAY BE USED IN LIEU FOR WELDED WIRE MESH
5. IF ALUMINUM BUILDING CATEGORY IS CLASSIFIED AS HABITABLE SOIL TO BE TERMITE TREATED PER 2010 FLORIDA BUILDING CODE, SECTION R318.1
6. VAPOR BARRIER NEED NOT BE INSTALLED FOR EXTERIOR NON-HABITABLE CONCRETE FLAT WORK.

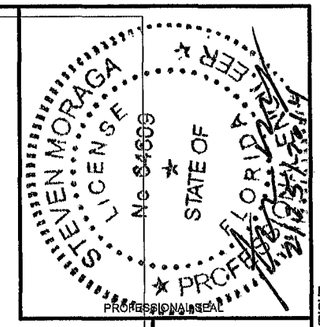
A / A-4 TYPE II FOOTING
SCALE NTS



CP-1 / A-4 CORNER POST TO CONCRETE DETAIL
SCALE. NTS



DJ-1 / A-4 DOOR JAMB TO CONCRETE DETAIL
SCALE NTS



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