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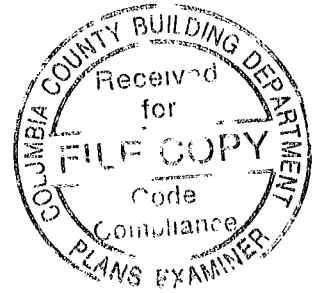


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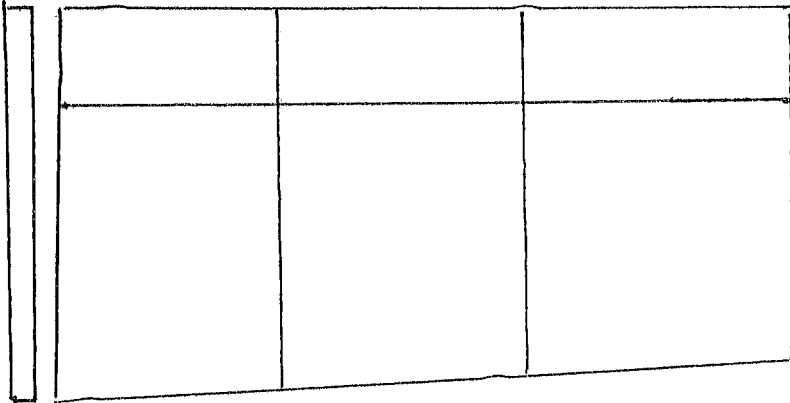


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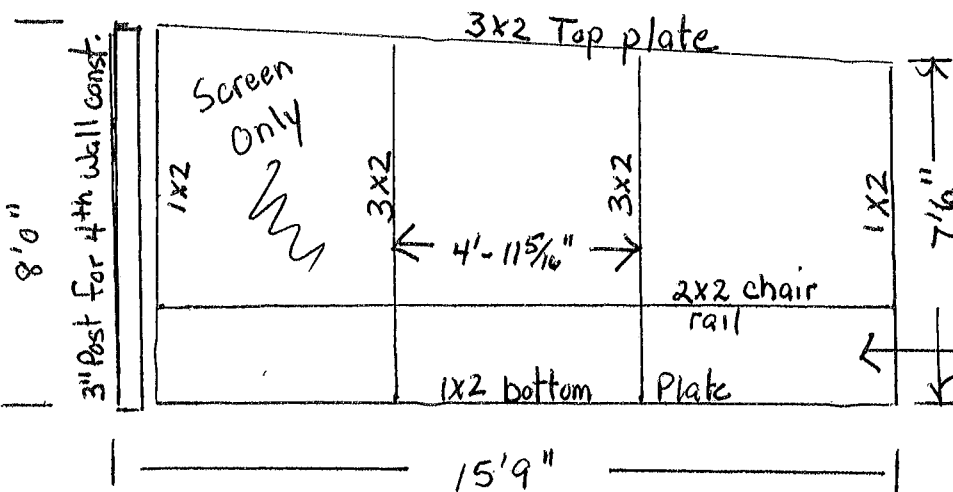
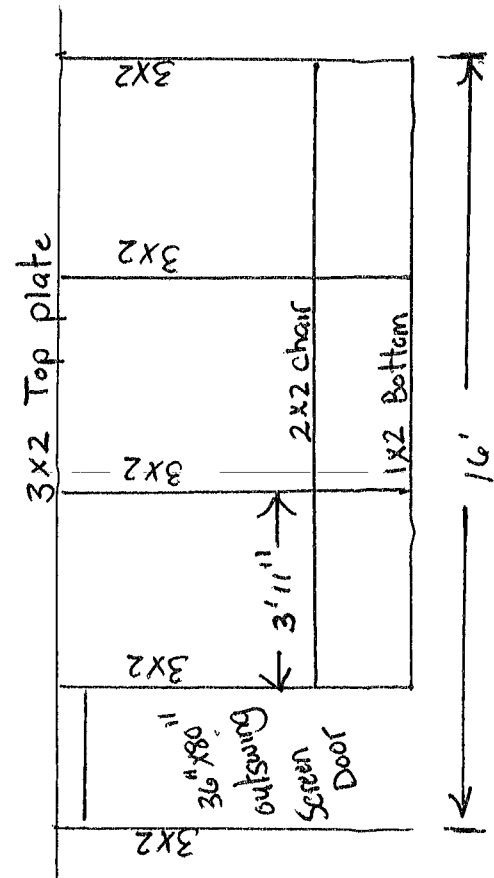
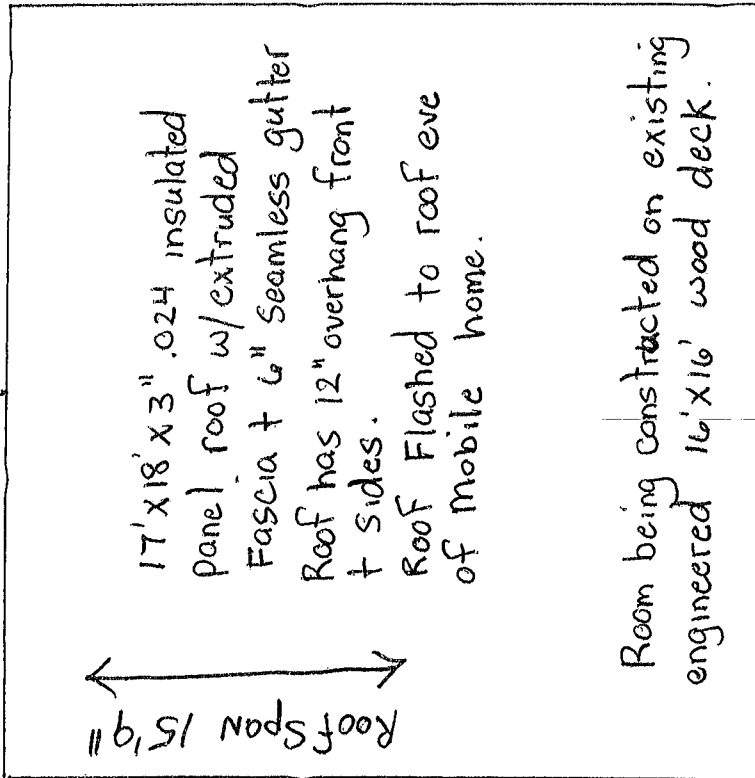


7'6"

This wall same as other side wall



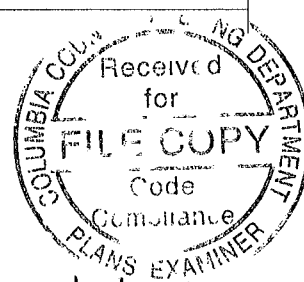
2x7 SMB w/ y-bracing
For 4th wall construction



24" high insulated vinyl Lap siding Kick Plate. (All)

Top View of Your Deck

The Scale is 1/4" : 1'



Deck not attached to home

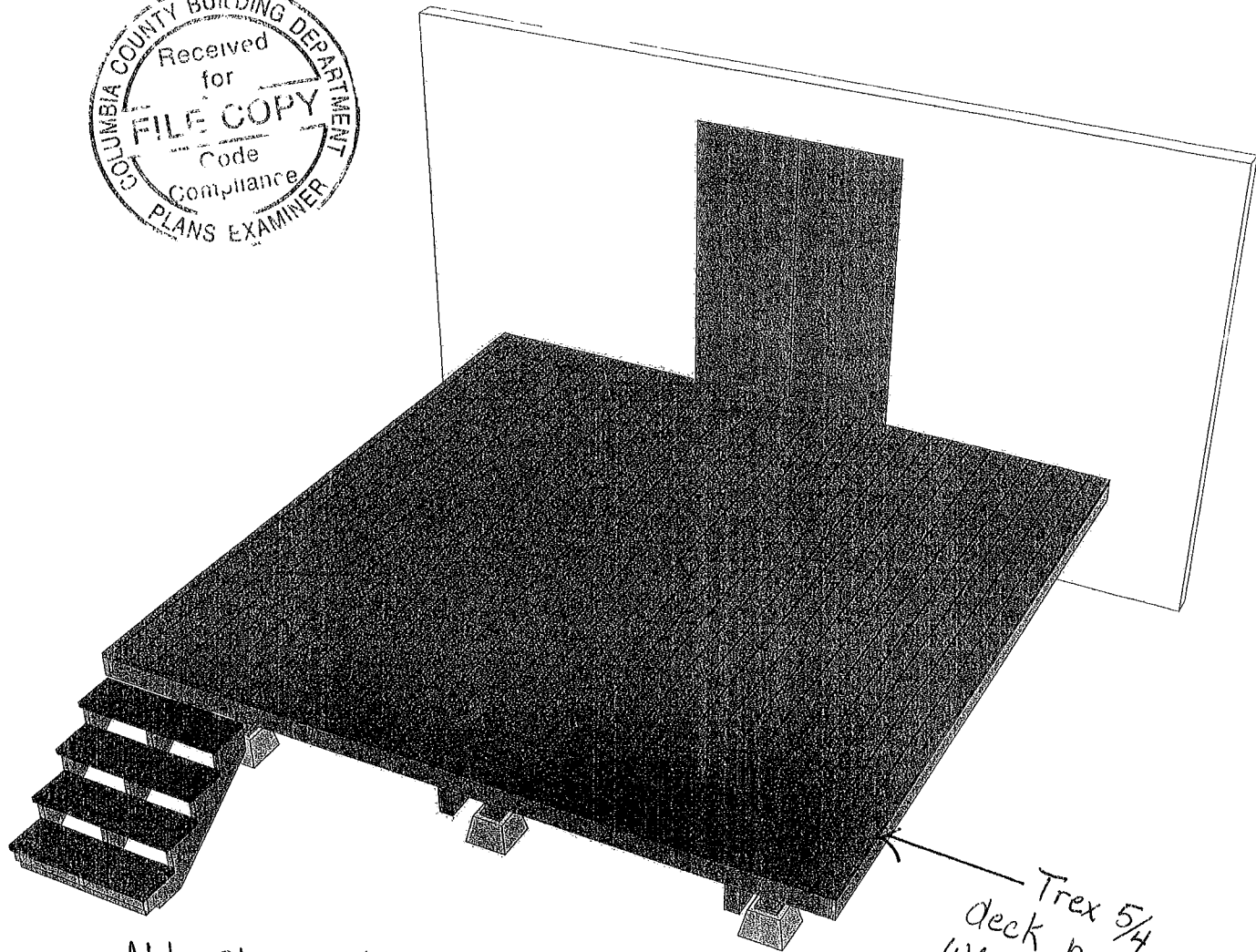
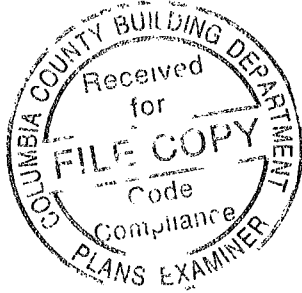
4x4 Post
24" in ground
80 lbs concrete
Each

2x6 Floor
joist 16" O.C.
(hurricane clips
to main Beams)

Double 2x8
main beams

Your deck is 3' high
The deck is designed for a 40 PSF live load.

3D View of Your Deck



Note: Steps will have handrails each side.

Trex 5/4 deck boards w/ 18/14 Fiberglass screening between deck frame + decking

CONTRACTOR: RICHARDSON ALUMINUM, LLC.

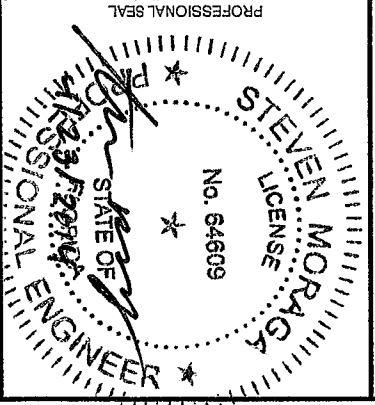
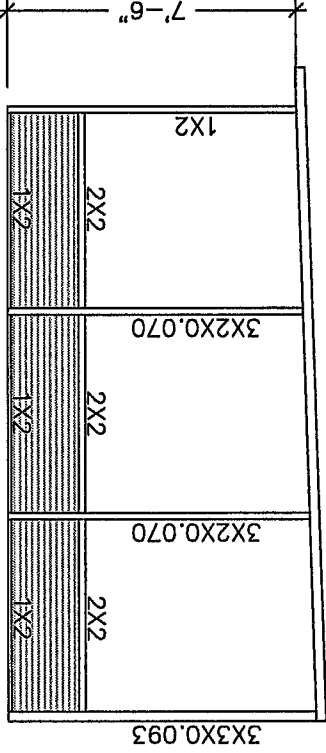
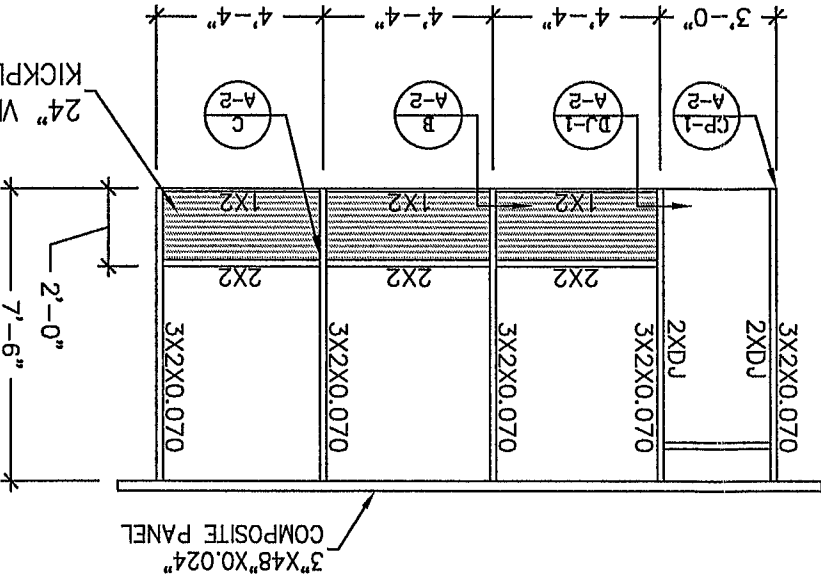
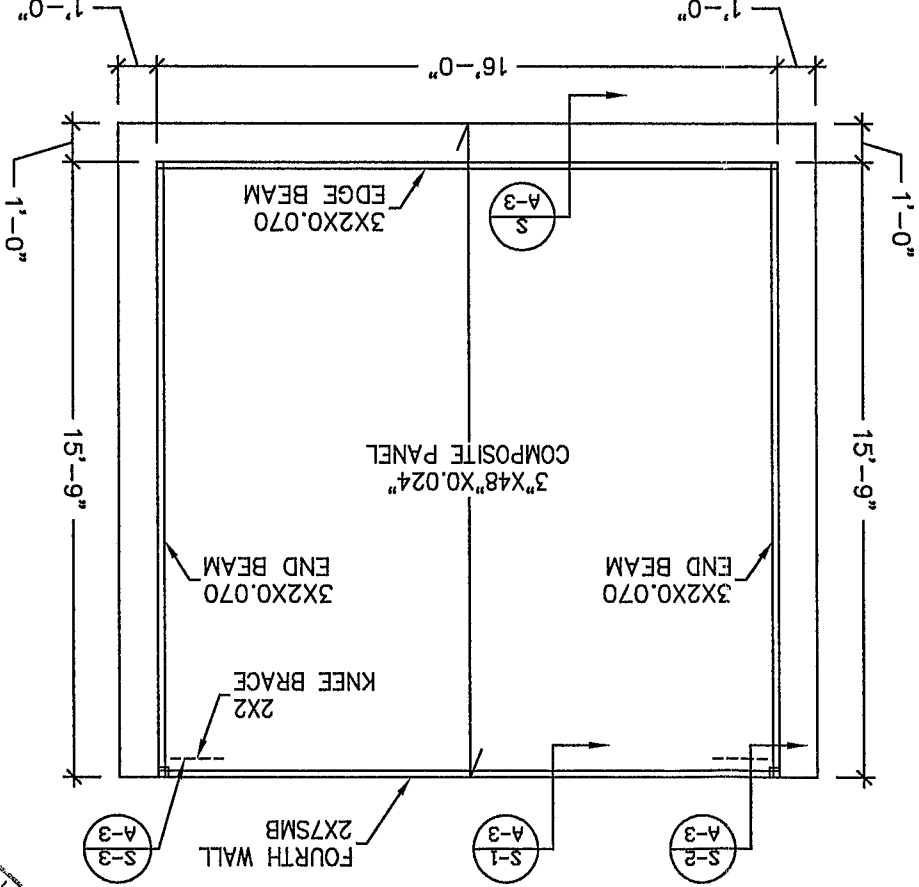
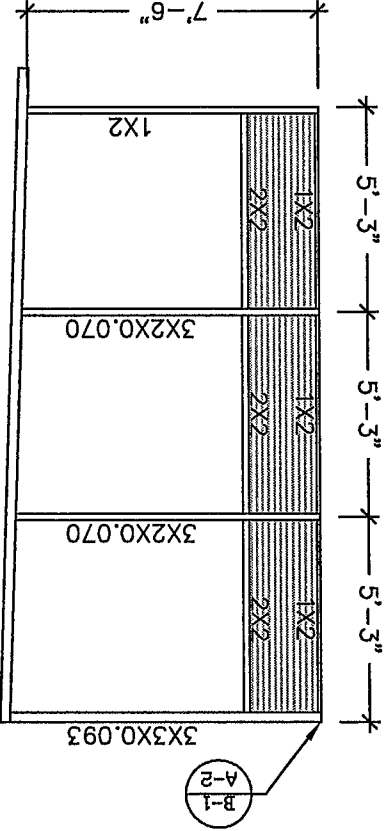
DESIGN CRITERIA:

- Applicable Codes, Regulations, and Standards**
- The 2010 Florida Building Code, specifically Chapter 16 Structural Design, Chapter 20 Aluminum, and Chapter 23 Wood.
 - 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
 - ASCE 7-10
- Wind Loads**
- Building Occupancy Category, Paragraph 1604 5 and Table 1604 5
 - 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
 - Exposure Category, Paragraph 1609.4 3 Exposure C
 - Building Category for Aluminum Structures, Paragraph 2002.6:
 - Building Category 1 - Screen Room / Patio Cover: Non-Habitable.
- Unconditioned Foundation Design**
- Existing Wood Deck - wood deck framing is not within the scope of this submittal.
- Roof Type MONOSLOPE**
- Roof Type
 - Roof Material 3" x 48" x 0.024" composite panel Elite 2000, 2.0 density foam, Florida Product Approval Number FL 7561-R2.

Specifications

- All work shall be in accordance with the Florida Building Code, 2010 Edition, and any other applicable local codes and regulations
- The minimum wall thickness of aluminum extrusions shall be in accordance with the Florida Building Code, 2010 Edition and the 2005 Edition of the Aluminum Association Manual, but not less than 0 040 inches
- Aluminum extrusions shall be 6005 T5 Alloy Due to quality control issues, no manufacturer substitution is acceptable without the specific written, signed and sealed authorization of Suncoast Architecture & Engineering, LLC
- Screen Material Design based on 18/14 or 20/20 Better View Any other material must be approved.
- Fasteners are required to be SAE Grade 5 or better zinc plated.
- 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
- Where concrete specifications are required, whether in the screen enclosure scope or not, by one or more regulatory agency, the following specifications are applicable
- Concrete shall conform to ASTM C94 for the following components
- Portland Cement Type I, - ASTM C 150
- Aggregates - Large Aggregate 3/4" max - ASTM C 33
- Air entraining +/- 1% - ASTM C 260
- Water reducing agent - ASTM C 494
- Clean Potable water
- Other admixtures not permitted
- Metal accessories shall conform to
- Reinforcing Bars - ASTM A615, grade 60
- Welded wire fabric - ASTM A185
- Concrete slump at discharge chute not less than 3" or more than 5".
- Prepare and place concrete per American Concrete Institute Manual
- Water added after batching is not permitted.
- Moist cure or polyethylene curing permitted.
- Prior to placing concrete, treat the entire subsurface area for termites in compliance with the FBC
- Concrete shall be placed over a polyethylene vapor barrier
- All aluminum components embedded within concrete shall be coated with a bituminous paint or epoxy.
- The minimum nominal thickness of protector panels (kickplates) shall be an industry standard of 0.024 inches.
- All flashing and weatherproofing shall be provided by the contractor

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



PROFESSIONAL ENGINEER
STEVEN MORAGA, P.E.
FLORIDA LICENSE: 64609

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FLORIDA LICENSES: AA26001709 & CA #28841

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AMEROSE
490 SW CROWNHILL
FORT WHITE
FL 32038

DRAWN BY TP
DATE DRAWN 04/21/14
REVISION

SHEET NO. A-1

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	2" x 2" x 0.045"
2 x 3	2" x 3" x 0.050"
2 x 4	2" x 4" x 0.045"

SELF MATING (SMB)

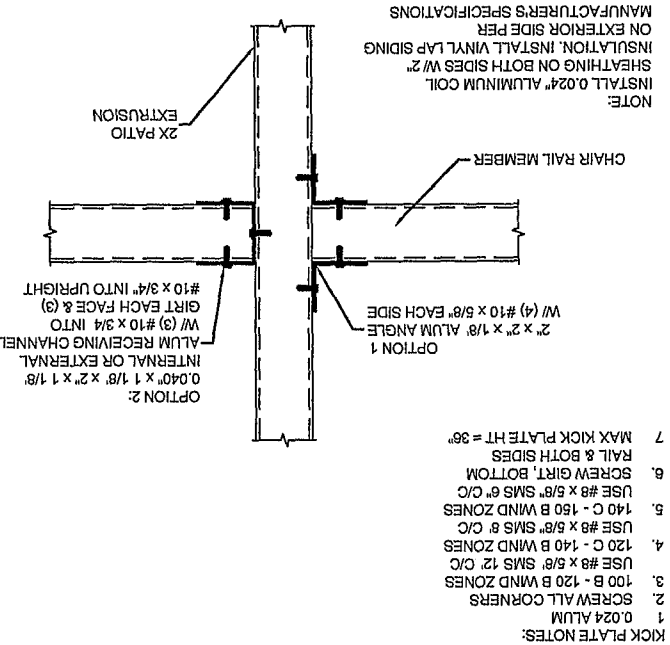
2 x 4 SMB	2" x 4" x 0.044" x 0.100"
2 x 5 SMB	2" x 5" x 0.050" x 0.100"
2 x 6 SMB	2" x 6" x 0.050" x 0.120"
2 x 7 SMB	2" x 7" x 0.057" x 0.120"
2 x 8 SMB	2" x 8" x 0.072" x 0.124"
2 x 9 SMB	2" x 9" x 0.072" x 0.124"
2 x 10 SMB	2" x 10" x 0.092" x 0.398"

MINIMUM FASTENER EDGE DISTANCE: 1/2"

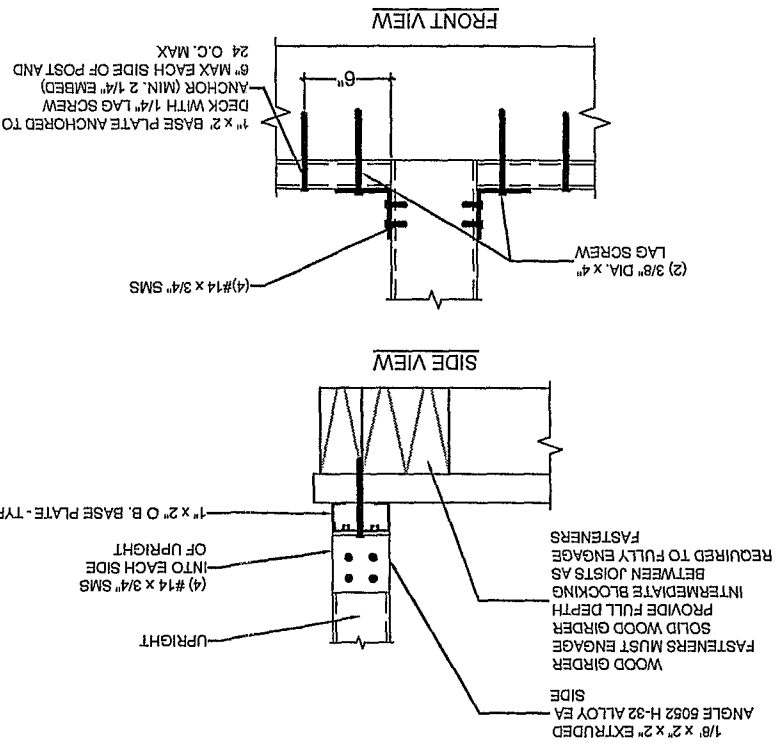
CONCRETE SCREW ANCHOR:

SIMPSON TITEN HD OR EQUIVALENT
SHEET METAL SCREWS (SMS)

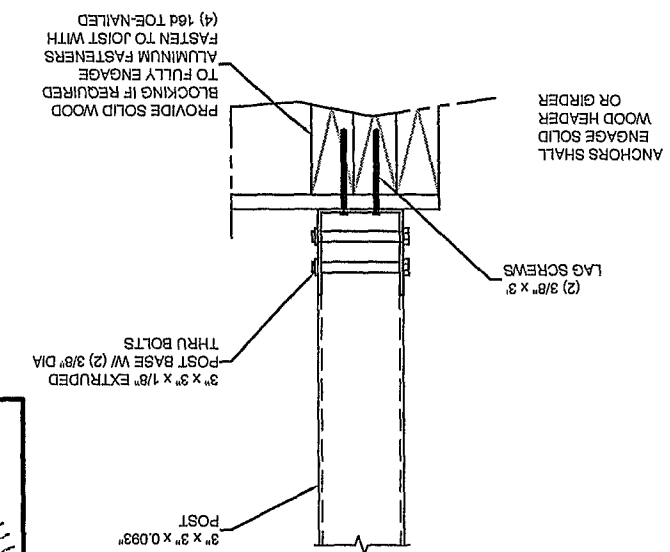
1/2" / BUILDUP OR EQUIVALENT



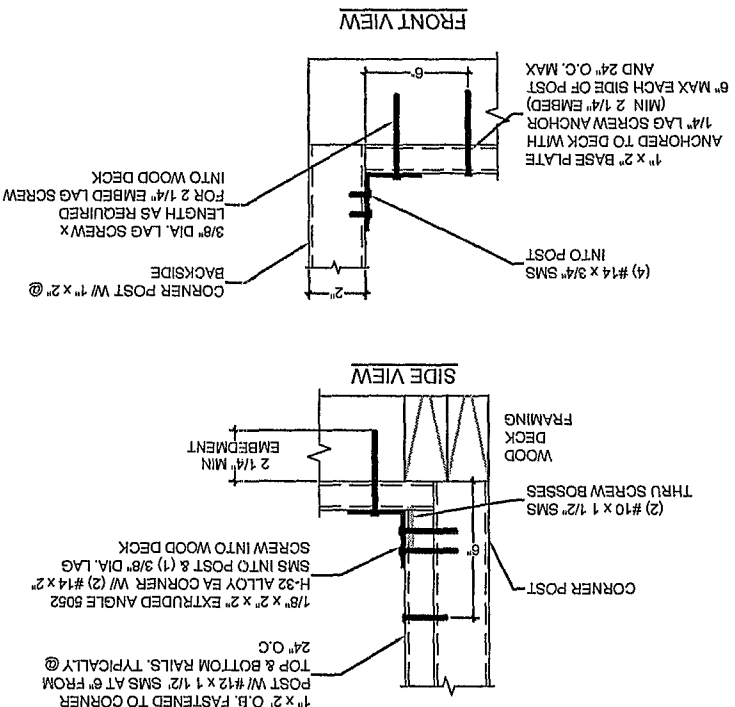
C PURLIN OR GIRT TO BEAM OR POST DETAIL
SCALE: NTS



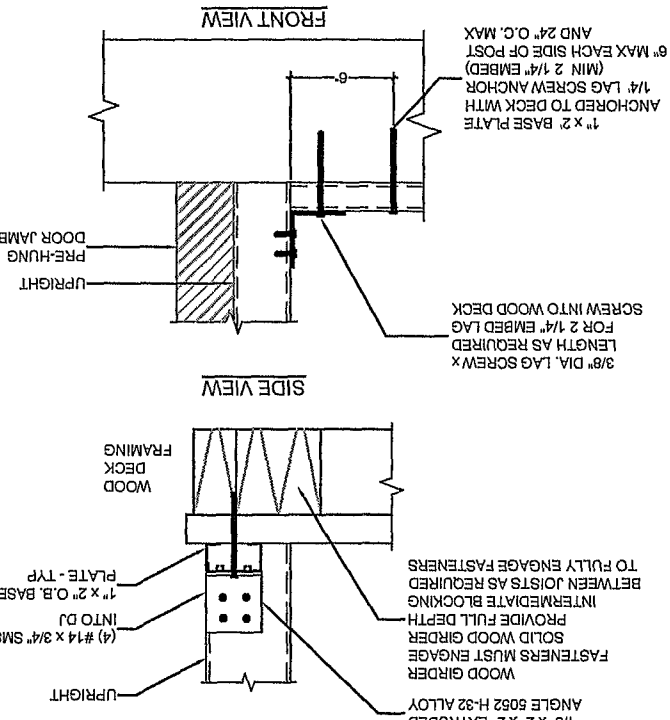
B 2" x 2" OR LARGER UPRIGHT TO DECK DETAILS
SCALE: NTS



B-1 3" x 3" POST TO WOOD CONNECTION DETAIL
SCALE: NTS



CP-1 CORNER POST TO WOOD DETAIL
SCALE: NTS



DJ-1 UPRIGHT TO WOOD DECK @ PRE-HUNG
SCALE: NTS

A-2

SHEET NO.

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DATE DRAWN

TP

DRAWN BY

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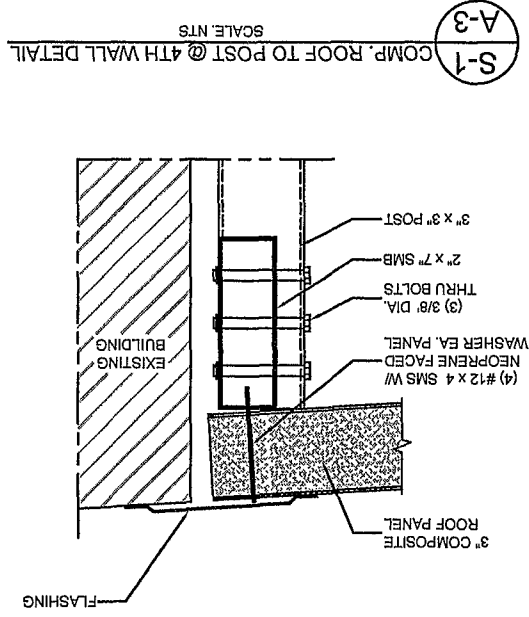
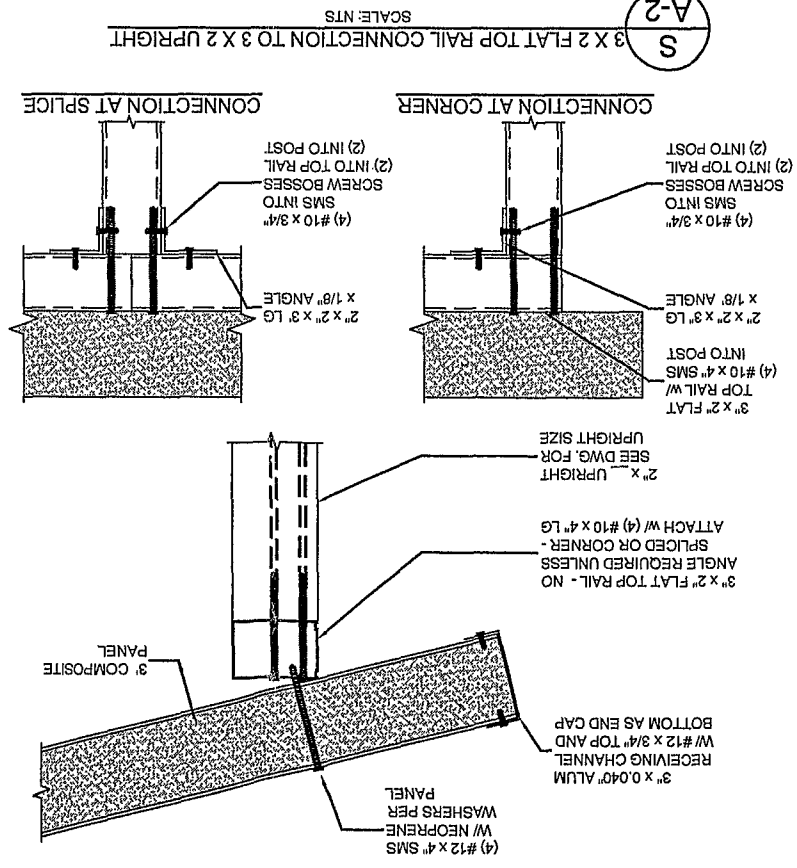
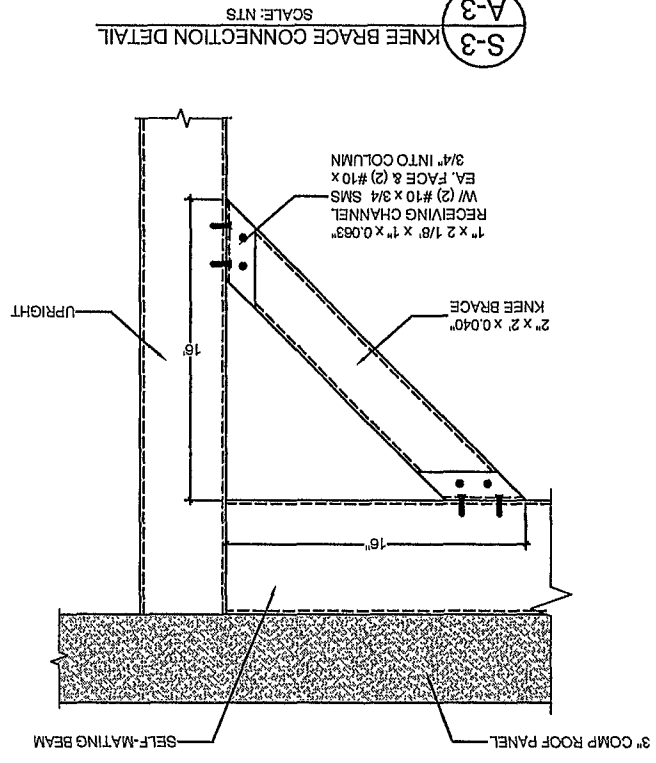
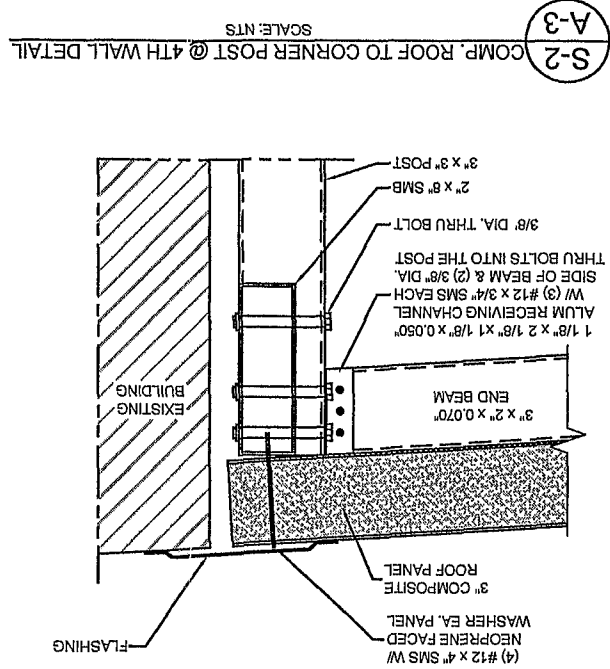
STATE OF FLORIDA

PROFESSIONAL SEAL

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ENGINEER

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PROFESSIONAL SEAL

STEVEN MORAGA

LICENSE

No. 64509

STATE OF CALIFORNIA

ENGINEER

A-3

SHEET NO.

REVISION

04/21/14

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