

Screen Room, Covered Patio Room, and Pool Enclosure

"OPEN" Structures ONLY

Project Location _____
Project Name _____
County _____
Permit Number _____

DESIGN CRITERIA

Wind Velocity: 120 mph, 3 sec. gust
130 mph, 3 sec. gust

Risk Category: I
(FBC-2020 rev 7)

Enclosure Class.: "OPEN" or "ENCLOSED"

Wind Exposure Type: "B" or "C" (See tables)

Internal Pressure Coefficient: +/- 0.0 (Open)
+/- 0.18 (Enclosed)

Applicable Sunroom Categories:
I - Roof with screens
II - Roof with enclosed walls (Non-conditioned)
III - Roof with enclosed walls, forced entry protection, air-leakage and water resistant (Non-conditioned)
IV - Type III + Conditioned
**Type V Category is not applicable for these plans

All construction shall be provided in accordance with the current recognized versions of the Florida Building Code, OSHA, AISC, ACI and ASCE codes as well as all applicable local requirements.

Base connections shall be provided as shown and shall be field adjusted on the basis of the manufacturer's requirements for actual soil type.

All materials identified by manufacturer name may be substituted with comparable materials that exceed or equal the specifications for the original material.

All field connections shall be #10 SMS or better, unless noted otherwise.

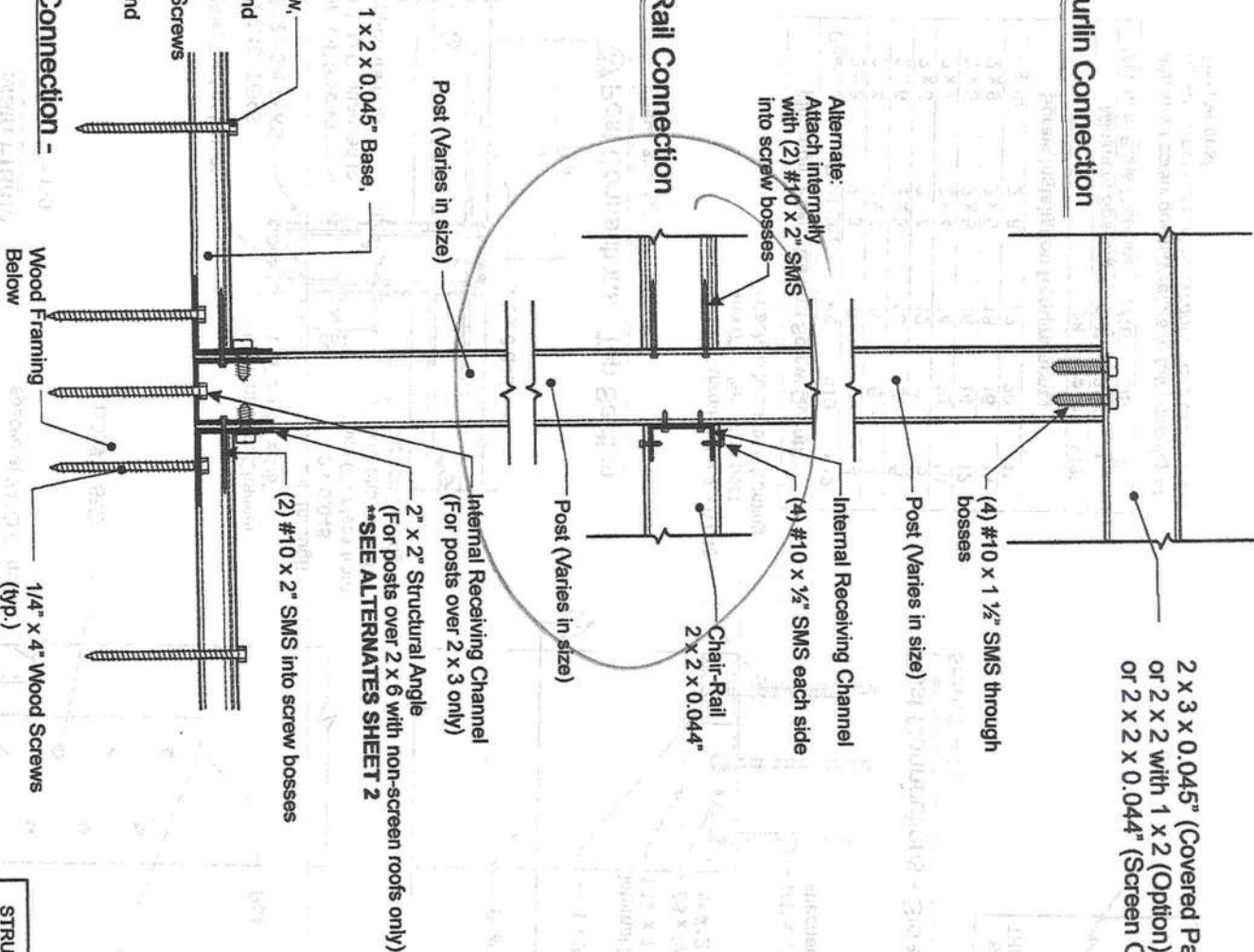
All Aluminum shall be Alloy 6065T5 and/or 6061T6 for horizontal and vertical framing members, except roof panels and Super Gutter, which are

Post to Edge Purlin Connection
Scale: 3" = 12"

2 x 3 x 0.045" (Covered Patio Rooms)
or 2 x 2 with 1 x 2 (Option)
or 2 x 2 x 0.044" (Screen Only Rooms)

Post to Chair-Rail Connection
Scale: 3" = 12"

Post to Base Connection - Wood Decks
Scale: 3" = 1'-0"
**See alternates Sheet 2

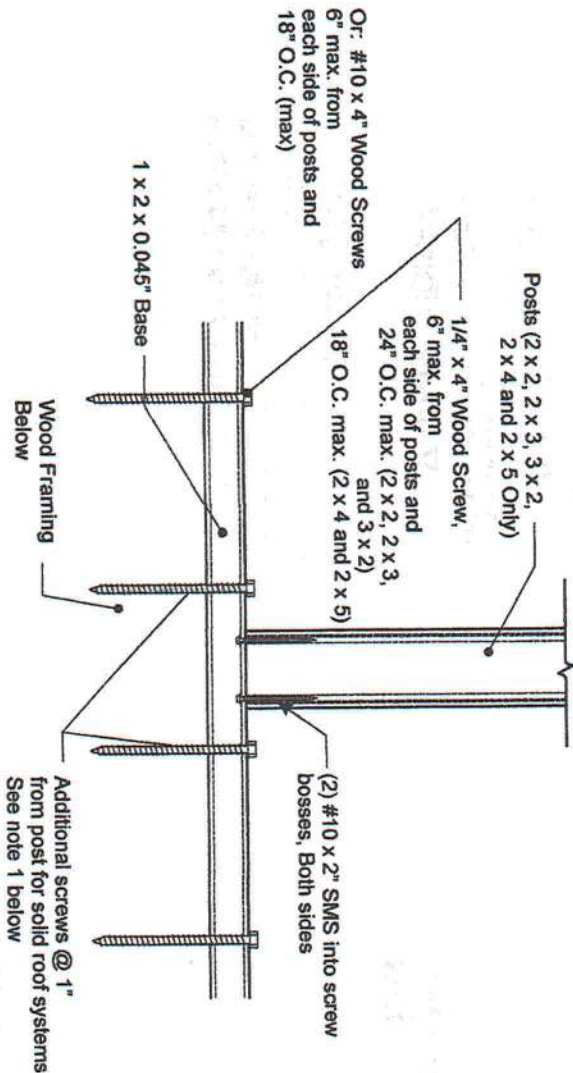
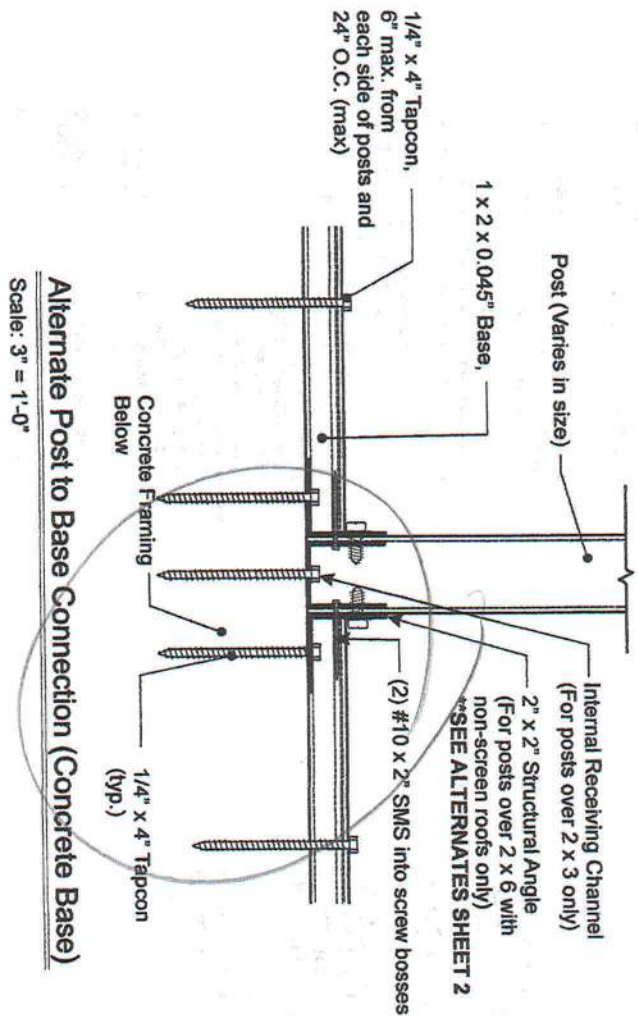


Thomas E. Beitelman, PE

Florida PE #51870, SI #2060
2626 E. Park Ave., Unit 4303, Tallahassee, FL 32301
(321) 543-6750 - beitelman@gmail.com

STRUCTURAL ONLY
THOMAS E. BEITELMAN
LICENSE #51870
7/21/2023

PROJECT: Aluminum Screen Enclosures - General Drawings			
TITLE: Details		SCALE: Varies	
CLIENT:		Revision By: Date: Description:	
File Name:			
Designed:	YEB		
Drawn:	YEB		
Checked:	YEB		
Date:	11/8/21		



Alternate Post to Base Connection (Small post installation)

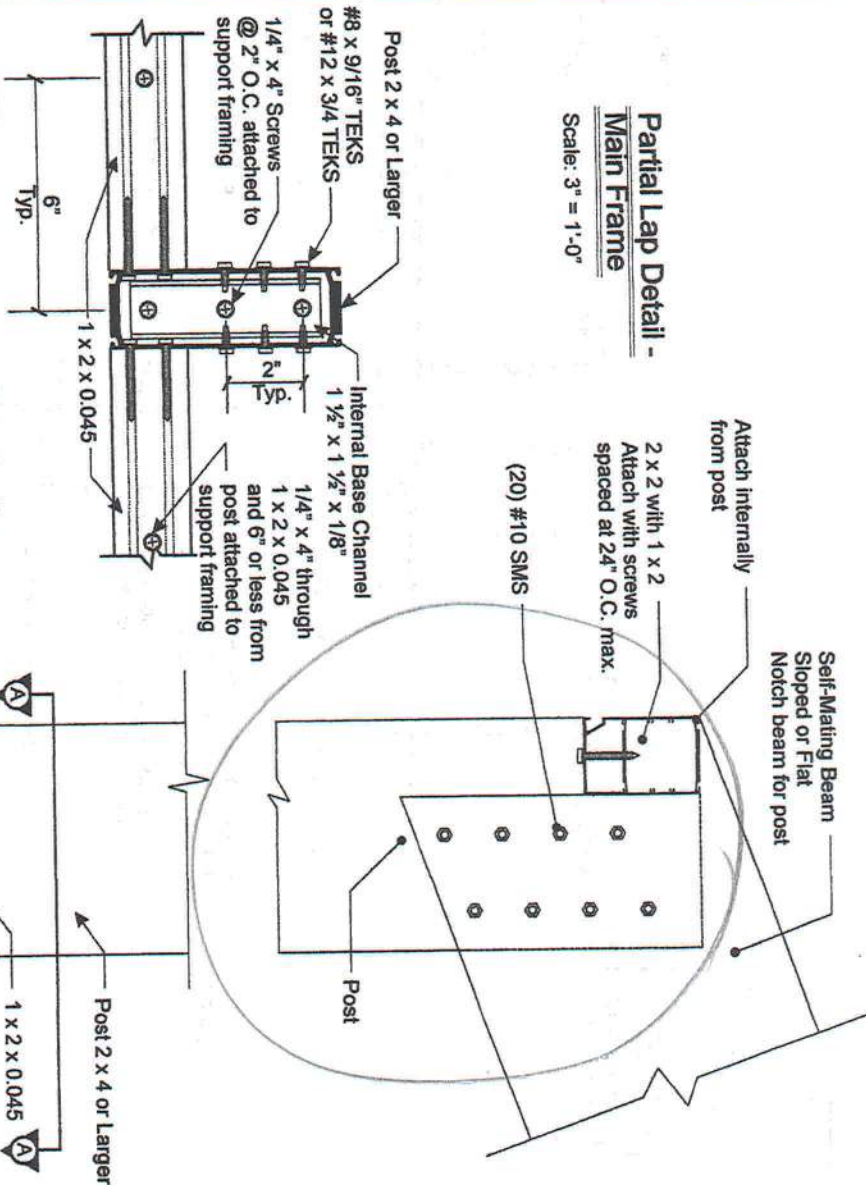
Scale: 3" = 1'-0"

Notes:

- 1 - Screen Roof Systems only, unless additional screws installed as noted above.
- 2 - Alternately for concrete base, substitute 1/4" x 4" Tapcon for wood screws with identical anchoring requirements

Partial Lap Detail - Main Frame

Scale: 3" = 1'-0"



Post Connections - Top Section

Scale: 3" = 12"

Minimum Post Size and Screw Quantity				
Beam Size	Post Size	#8	#10	#12
2 x 3	2 x 3	6	4	4
2 x 4	2 x 3	8	6	4
2 x 6	2 x 3	10	8	6
2 x 6	2 x 4	10	8	6
2 x 7	2 x 4	14	12	10
2 x 8	2 x 5	16	14	12
2 x 9	2 x 6	18	16	14
2 x 10	2 x 8	22	20	18

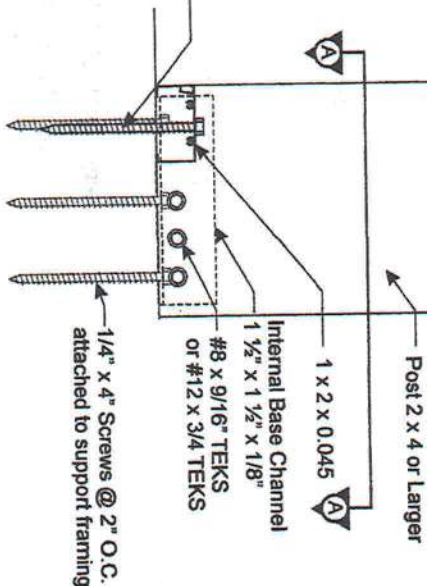
Screw Installation Requirements

	#8	#10	#12
Minimum Spacing	5/8"	3/4"	1"
Minimum Edge Distance	5/16"	3/8"	1/2"

Minimum screw quantity refers to total quantity of equal number of screws on both sides of the beam into the post

Post Connections - Side View

Scale: 3" = 12"



Thomas E. Beitelman, PE

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2626 E. Park Ave., Unit 4505, Tallahassee, FL 32301
(321) 543-6750 - beitelman@gmail.com

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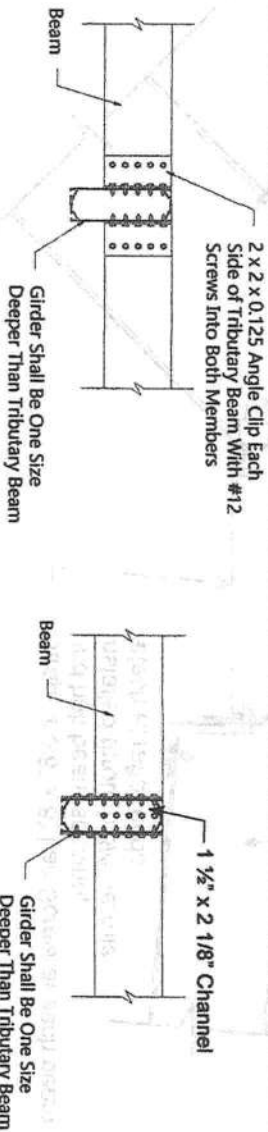
No. Sheet 2 of 6
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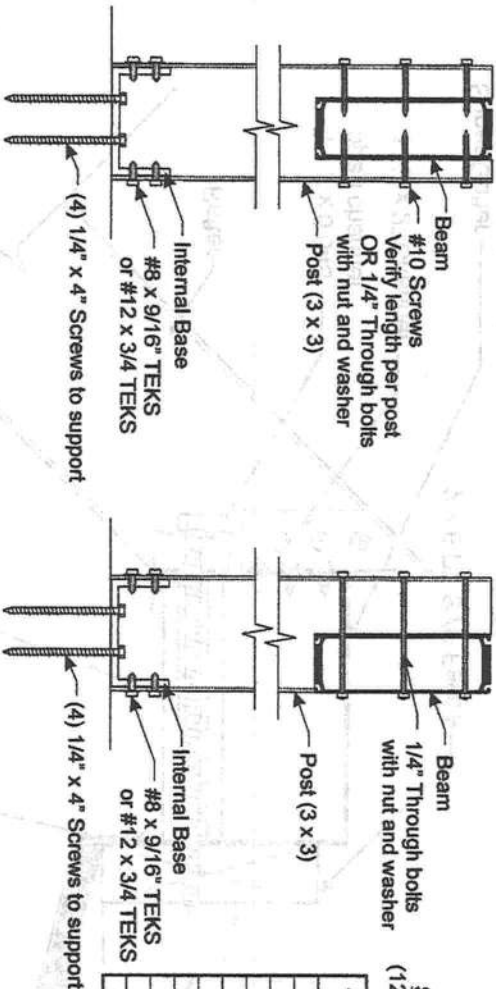
TYPICAL PURLIN AND BEAM DETAIL

TYPICAL GIRDER DETAIL TO HOST WALL



TYPICAL BEAM AND GIRDER DETAIL

ALTERNATE TYPICAL BEAM AND GIRDER DETAIL



Allowable Post Heights For Square Posts (Screen Rooms) (120 mph, 3 second gust wind loads)

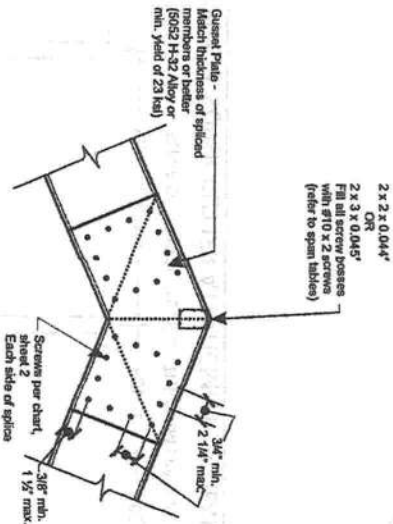
Area ft²	3x3x0.04	3x3x0.06
75	14'-9"	18'-2"
100	13'-3"	16'-11"
125	11'-11"	15'-9"
150	10'-9"	14'-8"
175	9'-8"	13'-8"
200	8'-8"	12'-9"
225	7'-10"	11'-11"
250	7'-0"	11'-1"
275	6'-4"	10'-4"

Scale: NTS

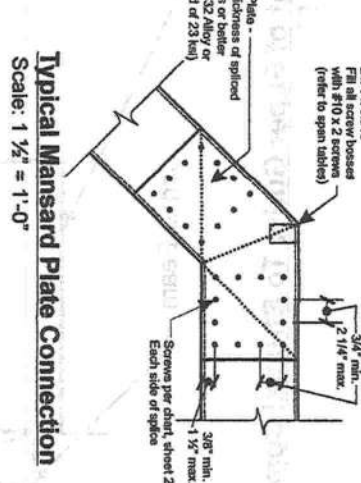
Scale: NTS

Post Connections - Saddled Beam

Post Connections - End Mount



Scale: 1 1/2" = 1'-0"



Typical Mansard Plate Connection

Scale: 1 1/2" = 1'-0"

Typical Roof Peak Plate Connection

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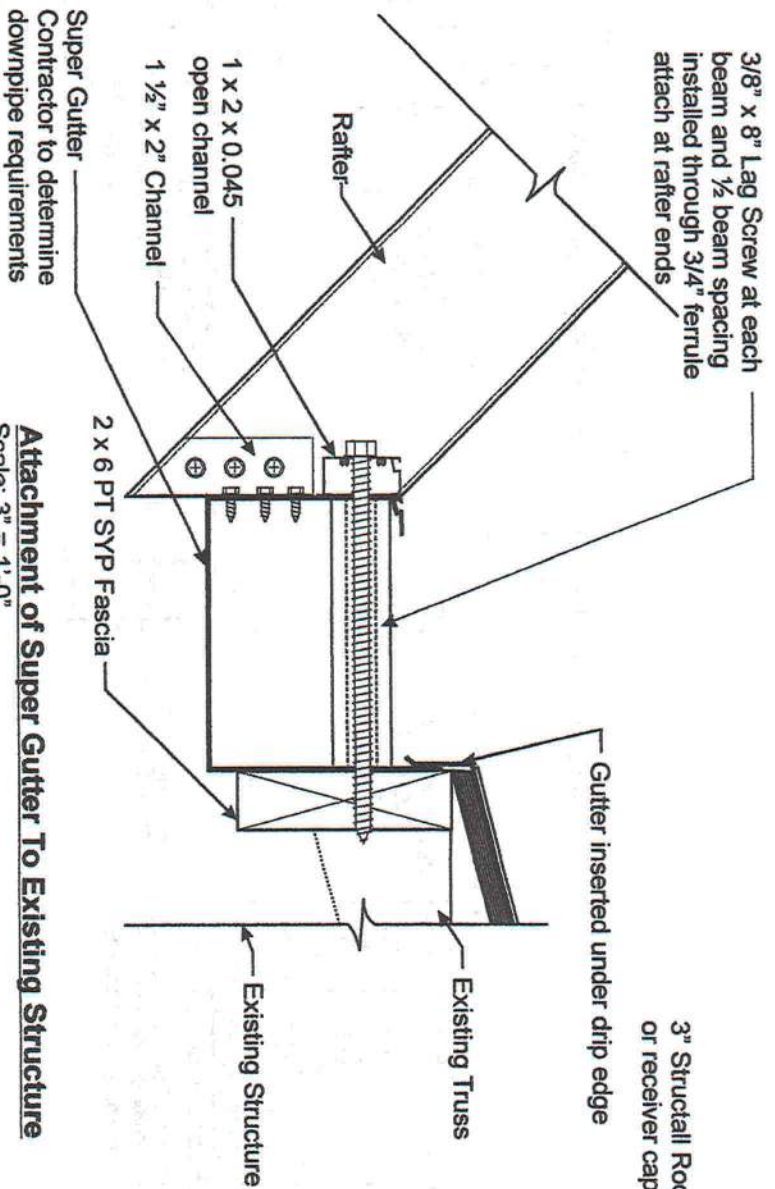
No.	Sheet	3 of 8
PROJECT: Aluminum Screen Enclosures - General Drawings		
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CLIENT:		
File Name:	Revision By:	Date:
Designed: YES		Description:
Drawn: YES		
Checked: YES		
Date:		

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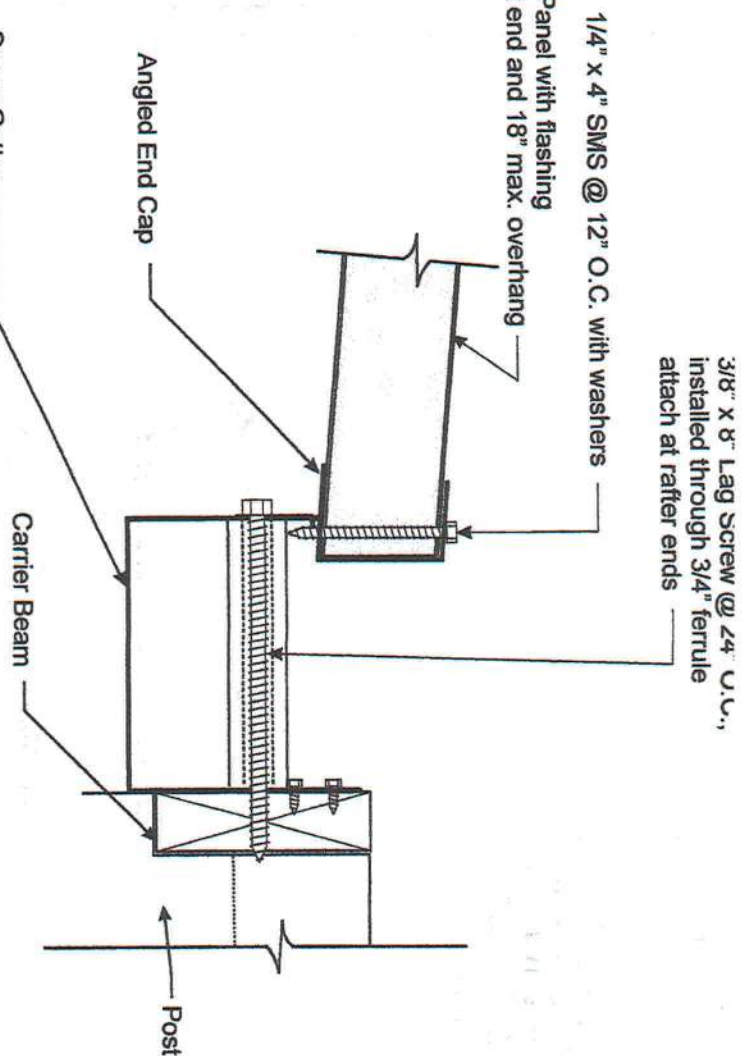
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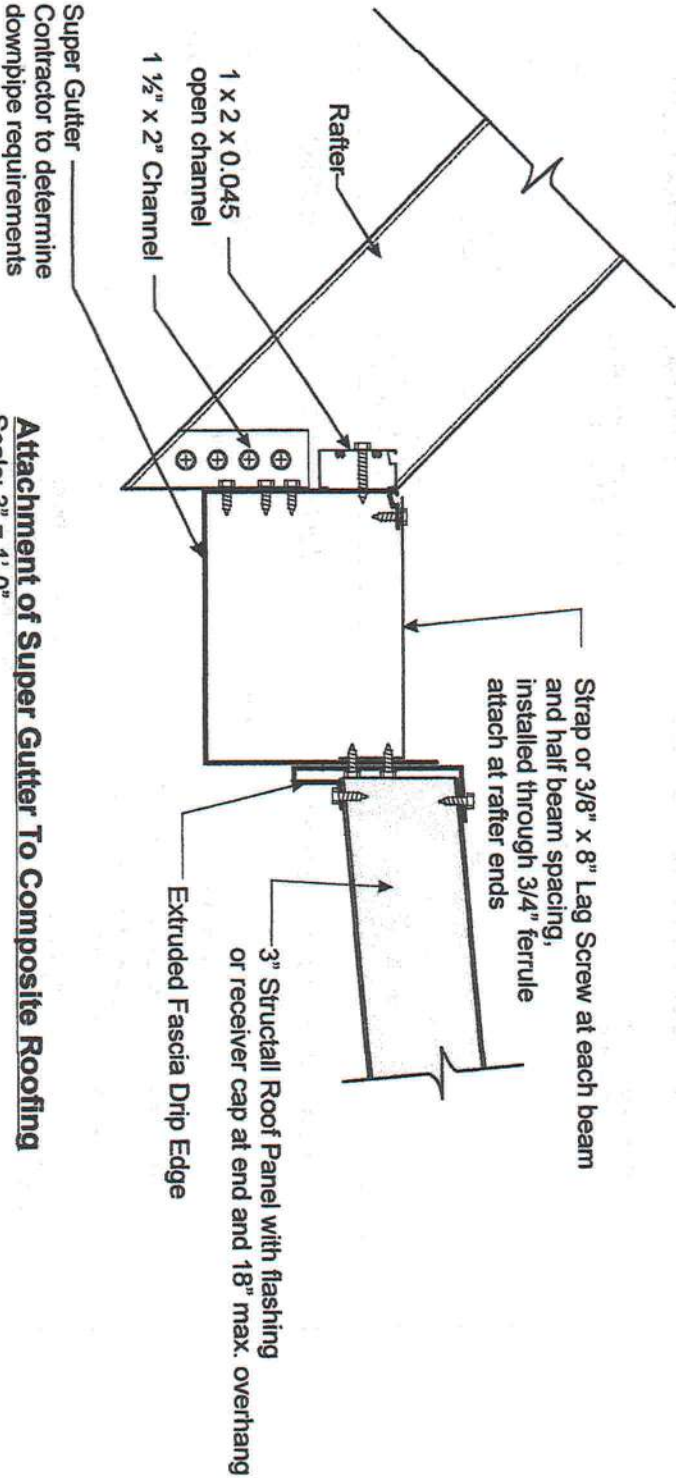
(321) 543-6750 - beitelman@gmail.com



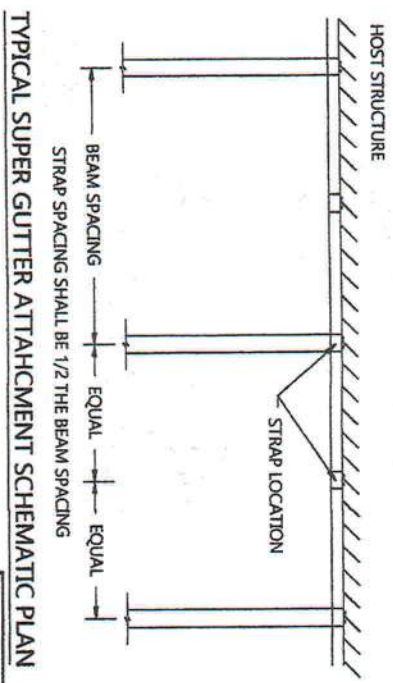
Attachment of Super Gutter To Existing Structure
Scale: 3" = 1'-0"



Attachment of Super Gutter To Structural Composite Panels
Scale: 3" = 1'-0"



Attachment of Super Gutter To Composite Roofing
Scale: 3" = 1'-0"

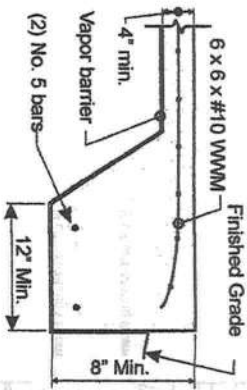


TYPICAL SUPER GUTTER ATTACHMENT SCHEMATIC PLAN

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THOMAS E. BEITELMAN
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Thomas E. Beitelman, PE
Florida PE #51870, SI #2060
2626 E. Park Ave., Unit 4303, Tallahassee, FL 32301
(321) 543-6750 - beitelman@gmail.com



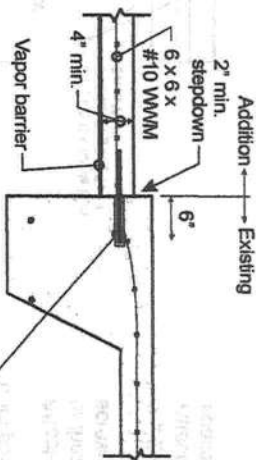
Typical Foundation Details

(When no expansive clays present)

N.T.S.

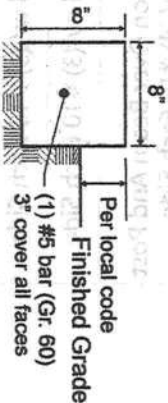
*Design based on assumed 1500 psf bearing capacity of soil

**When expansive clays are shown to be present from soil boring logs, a specialty foundation is required to be designed by a professional engineer.



Connection to Existing Foundation

N.T.S.



Typical 8" x 8" Ribbon Footing

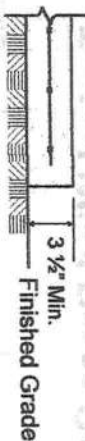
(When no expansive clays present)

N.T.S.

SCREEN ROOMS ONLY

Requirements for 8" x 8" Ribbon Footing:

- 1 - Concrete to be 2500 psi min.
- 2 - Slope along perimeter of footing to be maximum of 2" per foot for the first 24" beyond the end of slab.
- 3 - Maximum projection of slab beyond host structure to be 16'-0" in 120 mph, 3 sec. wind zones.



Typical Flat Slab Detail

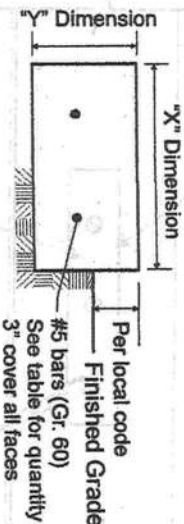
(When no expansive clays present)

N.T.S.

SCREEN ROOMS ONLY

Requirements for Flat Slab Detail:

- 1 - Concrete to be 2500 psi min.
- 2 - Reinforcement to be either 6 x 6 #10 WMM or Fiber-Mesh (must be verified for existing slabs on grade)
- 3 - Slope along perimeter of slab to be maximum of 1" per foot for the first 24" beyond the end of slab.
- 4 - Maximum projection of slab beyond host structure to be 20'-0" in 120 mph, 3 sec. wind zones.
- 5 - Local ordinances may require a minimum footing, verify with local authority.



Typical Alternate Ribbon Footing

(When no expansive clays present)

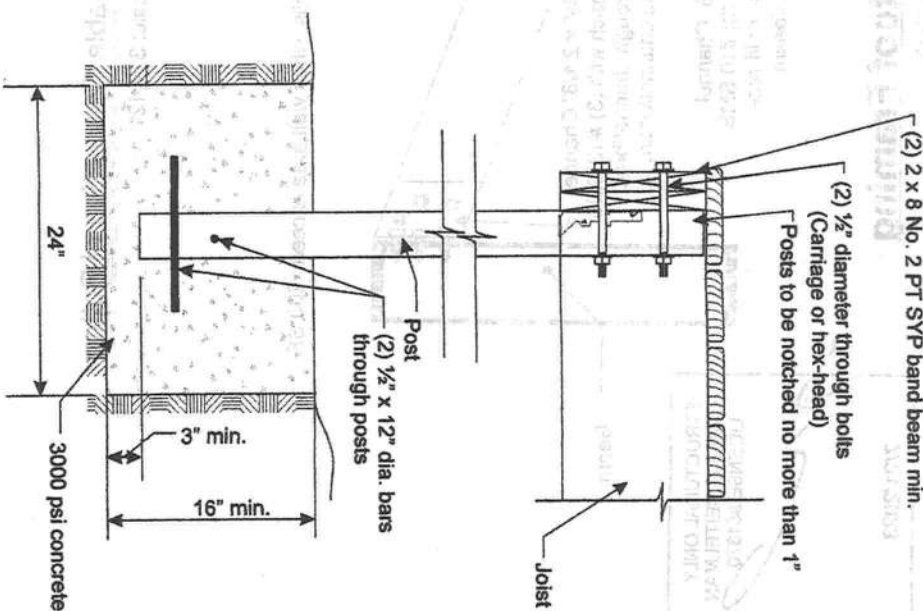
N.T.S.

SCREEN ROOMS ONLY

Requirements for Alternate Ribbon Footing:

- 1 - Concrete to be 2500 psi min.
- 2 - Applicable where slope and or span exceed flat slab and 8" x 8" allowables.
- 3 - See table below for allowable room spans in wind zones up to 120 mph, 3 sec. gust winds.

"X" (in.)	"Y" (in.)	No. Bars	Max. Projection (ft.)
8	12	1	22'-6"
12	8	1	24'-0"
12	12	2	24'-8"
16	12	2	38'-10"
18	12	2	38'-0"
24	12	3	48'-4"



Deck Post Support Requirements

Scale: NTS

Notes:

Design assumes a minimum soil bearing strength = 1500 psf

Note: Use 4 x 4 Posts for clear heights up to 4'-0" above grade

Use 6 x 6 Posts for clear heights up to 8'-0" above grade

**6 x 6 Posts over 8'-0" require 24" knee braces!

Beam Size	Beam Span/ Post Spacing (ft)	Maximum Joist Span
(2) 2 x 8	8	Up to 10'-0"
(2) 2 x 8	6	Up to 14'-0"
(2) 2 x 10	8	Up to 14'-0"
(2) 2 x 12	8	Up to 14'-0"

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THOMAS E. BEITELMAN
LICENSE #51870

Thomas E. Beitelman, PE

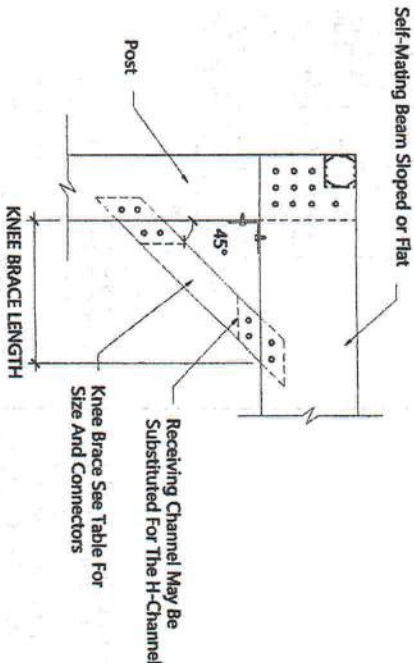
Florida PE #51870, SI #2060
2626 E. Park Ave., Unit 4303, Tallahassee, FL 32301
(321) 543-6750 - beitelman@gmail.com

PROJECT: Aluminum Screen Enclosures - General Drawings

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1			
2			
3			
4			
5			

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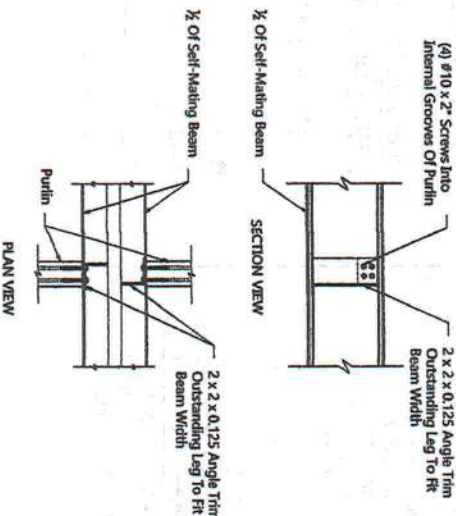


TYPICAL KNEE BRACE DETAIL AND SCHEDULE

NOTE: KNEE BRACES ARE NOT REQUIRED FOR THE TABULATED SPANS.

MINIMUM SIZE KNEE BRACE AND CONNECTION			
BRACE LENGTH	EXTRUSION	CONNECTION	
0" TO 2'-0"	2 x 2 x 0.044	2" H-Channel w/ (3) #10 Each Side	
2'-0" TO 3'-0"	2 x 3 x 0.050	2" H-Channel w/ (3) #10 Each Side	
3'-0" TO 4'-6"	2 x 4 x 0.044	Notch Extrusion Over Beam And Post And Attach w/ (4) #10 Each Side	

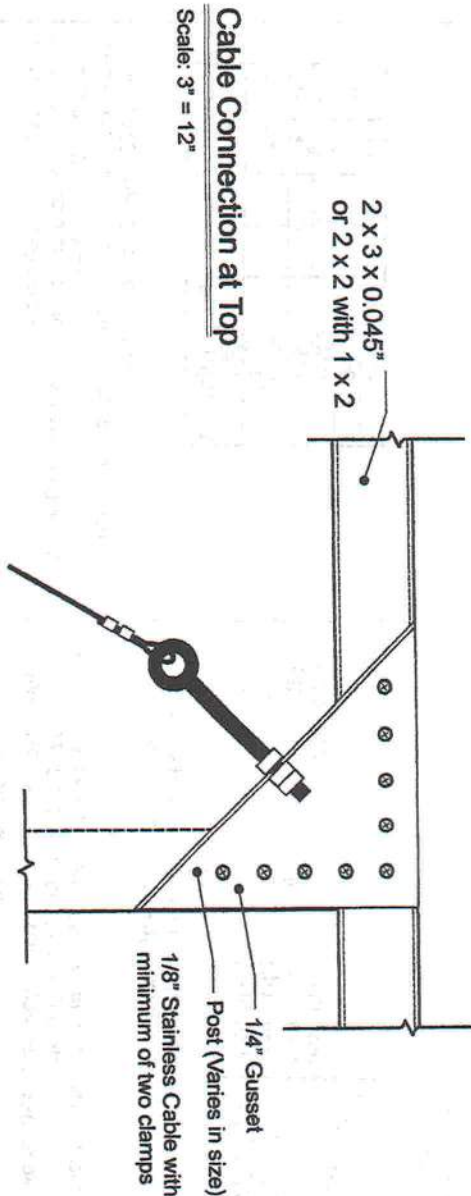
NOTE: ALLOWABLE ROOF BEAM SPANS MAY BE INCREASED BY THE KNEE BRACE LENGTH IF BRACES ARE ON BOTH ENDS OF THE SPAN. FOR KNEE BRACE ON ONE END ONLY, AN INCREASE OF ½ THE KNEE BRACE LENGTH IS ALLOWED.



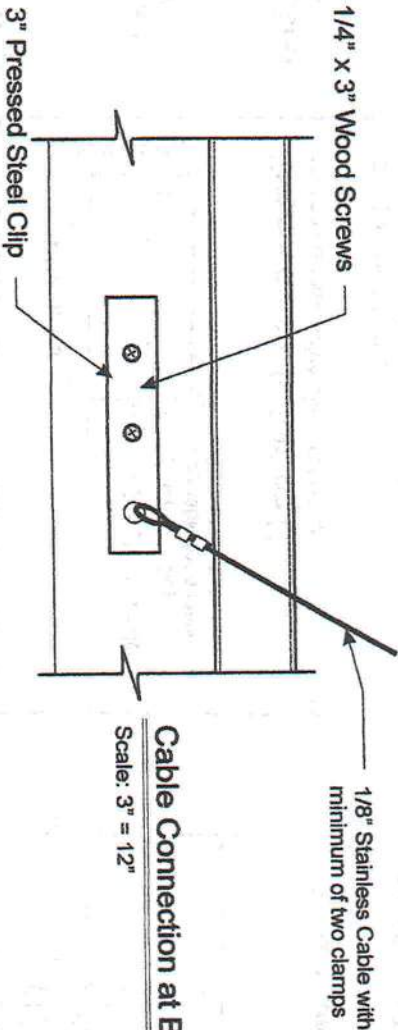
2 x 3 x 0.045" or 2 x 2 with 1 x 2

Cable Connection at Top

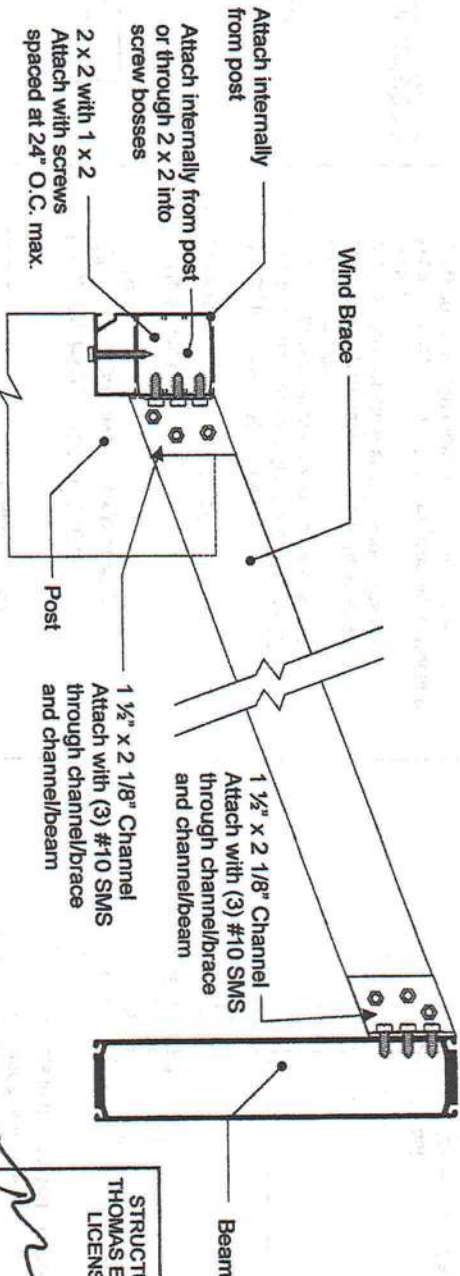
Scale: 3" = 12"



(2) 1/4" x 3" Wood Screws



*Install cables in pairs per 200 SF tributary area of walls, when wall area exceeds 200 SF



Typical Wind Brace Detail at Roof Framing

Required for rooms extending beyond 12'-0" from host structure

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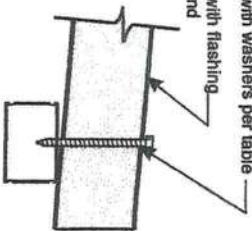
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Thomas E. Beitelman, PE

Florida PE #51870, SI #2060
2626 E. Park Ave., Unit 4303, Tallahassee, FL 32301
(321) 543-0790 • beitelman@gmail.com

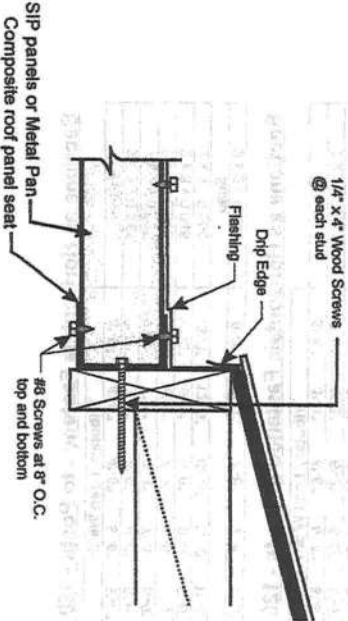
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1/4" SMS with washers per table
3" Structural Roof Panel with flashing
or receiver cap at end and
24" max. overhang



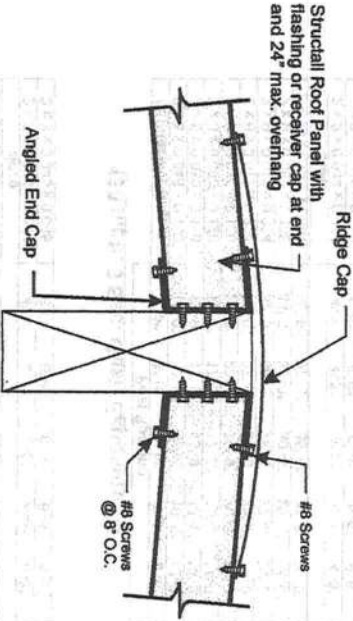
Attachment of Composite Roof Panel To Aluminum

Scale: 2" = 1'-0"



Attachment of Composite Roof Panel To Existing Structure

Scale: 2" = 1'-0"



Attachment of Structural Composite Panels at Ridge

Scale: 3" = 1'-0"

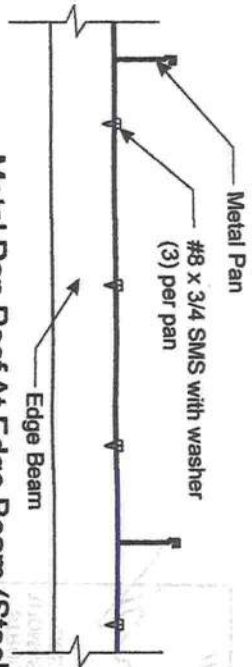
120 mph, 3 Sec. Gust, Exposure "B"		
Panel Thickness	Max. Span	Fastener Spacing
3" x 0.240	16'-7"	10"
3" x 0.030	19'-6"	9"
3" x 26 Ga.	18'-2"	8"
4" x 0.240	18'-2"	10"
4" x 0.030	20'-11"	9"
4" x 26 Ga.	21'-5"	8"
6" x 0.240	22'-7"	10"
6" x 0.030	26'-1"	9"
6" x 26 Ga.	26'-9"	8"

130 mph, 3 Sec. Gust, Exposure "B"		
Panel Thickness	Max. Span	Fastener Spacing
3" x 0.240	16'-2"	8"
3" x 0.030	18'-11"	7 1/2"
3" x 26 Ga.	19'-0"	6 1/2"
4" x 0.240	16'-9"	8"
4" x 0.030	19'-4"	7 1/2"
4" x 26 Ga.	19'-9"	6 1/2"
6" x 0.240	20'-10"	8"
6" x 0.030	23'-11"	7 1/2"
6" x 26 Ga.	24'-8"	6 1/2"

Span Tables and Fastener Spacing Specifications APPLICABLE TO STRUCTURAL SNAP N LOCK SYSTEM ONLY

Notes:

- 1 - Min. Roof Slope per FBC-2020 Rev 7
- 2 - Span is measured from center to center of supporting members
- 3 - Fasteners must be installed a minimum of 2 1/2" from end of panel and include 1 1/2" diameter x 0.4" thick washers



Metal Pan Roof At Edge Beam (Steel Pans)

Scale: NTS

Allowable Spans For 3" Rib Riser Metal Pans

(120 mph, 3 second gust wind loads)

Thickness	Exposure Category	
	B	C
0.024" Thickness	13'-1"	11'-1"
0.030" Thickness	14'-1"	11'-11"

Allowable Spans For 3" Rib Riser Metal Pans

"Screen Rooms Only"

(130 mph, 3 second gust wind loads)

Allowable Spans For 3" Rib Riser Metal Pans

"Open Structures Only"

(120 mph, 3 second gust wind loads)

Thickness	Exposure Category	
	B	C
0.024" Thickness	14'-6"	12'-3"
0.030" Thickness	15'-8"	13'-3"

Allowable Spans For 3" Rib Riser Metal Pans

"Open Structures Only"

(130 mph, 3 second gust wind loads)

Thickness	Exposure Category	
	B	C
0.024" Thickness	13'-8"	11'-7"
0.030" Thickness	14'-9"	12'-6"

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THOMAS E. BEITELMAN
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No.	Sheet	7	of	6
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*For half-mansard roofs increase table span by 10%, for full-mansard roofs increase table span by 20%
**For 18 x 14 x 0.013 Screen, spans are permitted to be increased by 5%

120 mph, 3 Sec. Gust, Exposure "B"

	Post Spacing			
	4'-0"	5'-0"	6'-0"	7'-0"
Soft-Making Beams	4'-0"	5'-0"	6'-0"	7'-0"
2 x 4 x 0.046 x 0.100	10'-0"	10'-0"	10'-0"	10'-0"
2 x 5 x 0.046 x 0.116	15'-3"	15'-3"	14'-3"	13'-6"
2 x 6 x 0.060 x 0.120	19'-0"	17'-6"	17'-3"	17'-0"
2 x 7 x 0.060 x 0.129	22'-0"	20'-6"	20'-9"	20'-3"
2 x 8 x 0.072 x 0.224	30'-0"	30'-0"	27'-6"	26'-3"
2 x 9 x 0.072 x 0.224	34'-3"	32'-3"	29'-9"	28'-0"
2 x 9 x 0.082 x 0.305	34'-3"	32'-3"	30'-6"	29'-3"
2 x 10 x 0.092 x 0.374	40'-0"	40'-0"	39'-0"	37'-3"
Shap				
2 x 2 x 0.044 x 0.044	4'-3"	4'-3"	4'-3"	4'-3"
2 x 3 x 0.045 x 0.045	6'-6"	6'-6"	6'-6"	6'-6"

130 mph. 3 Sec. Gust Exposure "B"

[illegible]

	Post Spacing							
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	
Self-Mixing	12'-0"	11'-0"	10'-0"	9'-3"	8'-6"	8'-0"	7'-6"	
2 x 4 x 0.064 x 0.100	14'-6"	13'-0"	12'-0"	11'-0"	10'-0"	9'-3"	8'-6"	
2 x 4 x 0.050 x 0.116	14'-6"	13'-0"	12'-0"	11'-0"	10'-0"	9'-3"	8'-6"	
2 x 6 x 0.050 x 0.120	16'-0"	14'-6"	12'-6"	11'-6"	10'-6"	9'-6"	9'-0"	
2 x 7 x 0.055 x 0.120	16'-0"	14'-6"	13'-6"	12'-6"	11'-6"	10'-6"	9'-6"	
2 x 8 x 0.072 x 0.224	17'-0"	15'-9"	14'-6"	13'-6"	12'-6"	11'-6"	10'-6"	
2 x 9 x 0.082 x 0.306	18'-0"	16'-9"	15'-6"	14'-6"	13'-6"	12'-6"	11'-6"	
2 x 10 x 0.092 x 0.389	19'-0"	17'-9"	16'-6"	15'-6"	14'-6"	13'-6"	12'-6"	
Shrink								
2 x 2 x 0.044	7'-0"	6'-6"	6'-0"	5'-3"	5'-0"	4'-6"	4'-0"	
2 x 3 x 0.05 x 0.05	8'-0"	7'-6"	6'-9"	6'-3"	5'-6"	5'-0"	4'-6"	
2 x 4 x 0.05 x 0.05	9'-0"	8'-0"	7'-3"	6'-6"	6'-0"	5'-9"	5'-0"	

Allowable Spans For Screen Enclosure Posts with Wind Speeds up to 120 mph, 3 sec. Gust and Exposure "B"

	Post Spacing							
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	
Self-Mixing								
2 x 4 x 0.046 x 0.100	11'-3"	10'-0"	9'-0"	8'-6"	8'-0"	7'-6"	7'-0"	
2 x 5 x 0.050 x 0.116	13'-6"	12'-0"	11'-0"	10'-0"	9'-0"	8'-6"	8'-0"	
2 x 6 x 0.055 x 0.120	15'-0"	12'-6"	11'-6"	10'-6"	9'-6"	9'-0"	8'-6"	
2 x 7 x 0.065 x 0.120	14'-0"	13'-6"	12'-6"	11'-6"	10'-6"	9'-6"	9'-0"	
2 x 8 x 0.072 x 0.224	16'-0"	14'-6"	13'-6"	12'-6"	11'-6"	10'-6"	10'-0"	
2 x 9 x 0.082 x 0.306	17'-0"	15'-6"	14'-6"	13'-6"	12'-6"	11'-6"	10'-6"	
2 x 10 x 0.092 x 0.389	18'-0"	16'-6"	15'-6"	14'-6"	13'-6"	12'-6"	11'-6"	
Shred								
2 x 2 x 0.004	6'-9"	6'-0"	5'-3"	5'-0"	4'-9"	4'-6"	4'-3"	
2 x 3 x 0.005 x 0.05	7'-6"	6'-9"	6'-0"	5'-6"	5'-0"	4'-9"	4'-6"	
2 x 4 x 0.005 x 0.05	8'-0"	7'-3"	6'-8"	6'-0"	5'-9"	5'-6"	5'-3"	

Allowable Spans For Screen Enclosure Posts with Wind Speeds up to 130 mph, 3 sec. Gust and Exposure "B"

	Hollow	Thin	Shap	2 x 2 x 0.004
3'-6"	4'-0"	4'-6"	5'-0"	5'-6"
7'-3"	7'-0"	6'-6"	6'-6"	6'-3"
7'-9"	7'-6"	7'-3"	6'-6"	6'-6"
8'-3"	8'-0"	7'-9"	7'-6"	7'-0"
10'-3"	9'-9"	9'-6"	9'-3"	8'-9"
13'-3"	12'-9"	12'-3"	11'-9"	11'-6"
8'-3"	8'-0"	7'-6"	7'-3"	6'-9"

Sections as Horizontals Fastened to Posts - 120 mph. 3 Sec. gust. Exposure B

	Thyblony Load Width							
<i>Hollow</i>	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	
2 x 2 x 0.044	6'-0"	6'-6"	6'-0"	6'-0"	5'-9"	6'-0"	6'-6"	
2 x 2 x 0.055	7'-0"	6'-9"	6'-6"	6'-6"	6'-6"	6'-6"	6'-6"	
3 x 2 x 0.046	7'-6"	7'-3"	7'-0"	6'-9"	6'-9"	6'-9"	6'-9"	
2 x 2 x 0.045	9'-6"	9'-0"	8'-9"	8'-9"	8'-3"	8'-6"	8'-6"	
2 x 2 x 0.050	12'-3"	11'-9"	11'-6"	11'-0"	10'-9"	11'-0"	11'-0"	
<i>Strip</i>								
2 x 2 x 0.044	7'-6"	7'-3"	7'-0"	6'-9"	6'-6"	6'-9"	6'-9"	

Sections as Horizontals Fastened to Posts - 120 mph, 3 Sec. gust, Exposure C

[illegible]

Allowable Spans For SCREEN Enclosure Carrier Beams - 120 M.P.H., 3 sec. gust. Exposure

	Single Self-Mating Beams	10°-J	14°-J	18°-J	22°-J	26°-J	30°-J	34°-J	38°-J	42°-J	46°-J	50°-J
2 x 4.0 x 0.046 x 1.00	10°-J	11°-J	6°-3'	7°-9'	7°-3'	7°-0'	6°-5'	6°-6'	6°-3'	6°-0'	5°-9'	5°-3'
2 x 4.0 x 0.050 x 1.116	12°-3'	11°-0'	10°-3'	9°-6'	9°-3'	8°-9'	8°-6'	8°-6'	8°-3'	8°-0'	7°-6'	7°-3'
2 x 4.0 x 0.050 x 1.116	12°-3'	11°-0'	10°-3'	9°-6'	9°-3'	8°-9'	8°-6'	8°-6'	8°-3'	8°-0'	7°-6'	7°-3'
2 x 4.0 x 0.050 x 1.120	14°-6'	13°-0'	12°-0'	11°-3'	10°-6'	10°-0'	9°-6'	9°-3'	9°-0'	8°-9'	8°-6'	8°-6'
2 x 4.0 x 0.055 x 1.150	16°-6'	14°-0'	13°-0'	12°-3'	11°-6'	11°-0'	10°-9'	10°-9'	10°-3'	10°-0'	9°-9'	9°-9'
2 x 4.0 x 0.072 x 1.224	20°-6'	18°-6'	17°-0'	16°-6'	15°-0'	14°-3'	13°-9'	13°-3'	12°-9'	12°-6'	12°-0'	12°-0'
2 x 4.0 x 0.072 x 1.224	22°-6'	20°-3'	18°-6'	17°-6'	16°-6'	15°-0'	14°-6'	14°-6'	14°-0'	13°-9'	13°-3'	13°-3'
2 x 4.0 x 0.082 x 1.306	24°-0'	21°-6'	19°-9'	18°-6'	16°-9'	16°-6'	16°-6'	15°-6'	15°-0'	14°-6'	14°-6'	14°-6'
2 x 10 x 0.092 x 0.774	26°-0'	25°-0'	23°-3'	21°-6'	20°-6'	19°-6'	18°-9'	18°-3'	17°-6'	17°-0'	16°-6'	16°-6'
Double Self-Mating Beams												
2 x 4.0 x 0.072 x 1.224	25°-6'	23°-0'	21°-3'	19°-0'	18°-0'	17°-3'	16°-9'	16°-3'	16°-3'	15°-9'	15°-3'	15°-3'
2 x 4.0 x 0.072 x 1.224	26°-0'	25°-3'	23°-3'	21°-6'	19°-9'	19°-9'	18°-3'	17°-6'	17°-6'	17°-3'	16°-9'	16°-9'
2 x 4.0 x 0.082 x 1.306	28°-0'	26°-9'	24°-9'	22°-0'	21°-0'	20°-3'	19°-6'	18°-9'	18°-3'	17°-9'	17°-9'	17°-9'
2 x 10 x 0.092 x 0.774	34°-6'	31°-3'	28°-9'	27°-0'	25°-6'	24°-6'	23°-6'	22°-9'	22°-0'	21°-6'	20°-9'	20°-9'

Allowable Spans For SCREEN Enclosure Carrier Beams - 130 mph, 3 sec. gust, Exposure

[illegible]

Allowable Spans For Solid Roof Enclosure Carrier Beams
120 mph and 130 mph, 3 sec. gust, Exposure B

	Fiberglass Load Width															
Single Self-Mating Beams	10'-0"	14'-0"	18'-0"	22'-0"	26'-0"	30'-0"	34'-0"	38'-0"	42'-0"	46'-0"	50'-0"					
2 x 4 x 0.046 x 0.100	6.3*	5.6*	5.0*	4.4*	4.0*	4.3*	4.0*	4.0*	3.9*	3.6*	3.6*					
2 x 6 x 0.056 x 0.116	7.8*	7.0*	6.3*	6.0*	5.8*	5.3*	5.0*	5.0*	4.9*	4.5*	4.5*					
2 x 6 x 0.056 x 0.120	8.0*	8.0*	7.6*	7.0*	6.6*	6.3*	6.0*	6.0*	5.6*	5.3*	5.3*					
2 x 7 x 0.055 x 0.120	10.3*	9.3*	8.6*	8.0*	7.6*	7.3*	6.9*	6.6*	6.6*	6.3*	6.0*					
2 x 8 x 0.072 x 0.124	12.9*	11.8*	10.8*	10.0*	9.3*	9.0*	8.6*	8.3*	8.0*	7.9*	7.6*					
2 x 8 x 0.072 x 0.124	14.0*	12.9*	11.6*	10.9*	10.3*	9.9*	9.6*	9.0*	8.9*	8.6*	8.3*					
2 x 9 x 0.082 x 0.136	18.0*	16.0*	15.3*	13.6*	11.0*	10.6*	10.0*	9.6*	9.0*	8.9*	8.6*					
2 x 10 x 0.092 x 0.154	17.6*	15.9*	14.9*	13.6*	12.9*	12.3*	11.8*	11.3*	11.0*	10.6*	10.3*					
Double Self-Mating Beams																
2 x 8 x 0.072 x 0.124	16.3*	14.6*	13.3*	12.9*	11.9*	11.3*	10.9*	10.6*	10.0*	9.9*	9.6*					
2 x 9 x 0.072 x 0.124	17.8*	16.0*	14.9*	13.8*	13.0*	12.3*	11.9*	11.6*	11.0*	10.9*	10.6*					
2 x 9 x 0.082 x 0.136	19.0*	17.0*	15.6*	14.3*	13.9*	13.3*	12.6*	12.3*	11.9*	11.6*	11.3*					
2 x 10 x 0.092 x 0.154	22.0*	19.9*	18.3*	17.0*	16.3*	15.6*	14.9*	14.3*	13.9*	13.3*	13.0*					

STRUCTURAL ONLY
THOMAS E. BEITELMAN
LICENSE #51870

7/12/2023

Thomas E. Beitelman, PE

Florida PB #51870, SI #2060

2626 E. Park Ave., Unit 4303, Tallahassee, FL 3230
(321) 543-6750 • heitelman@gmail.com

Sheet 8 of 9 No.	PROJECT: Aluminum Screen Enclosures - General Drawings			
	TITLE: Details		SCALE: Varies	
				CLIENT:
	File Name:	Revision By:	Date:	Description:
	Designed: YES			
	Drawn: YES			
	Checked: YES			
	Date: 11/8/21			