

Screen Room/Sun Room

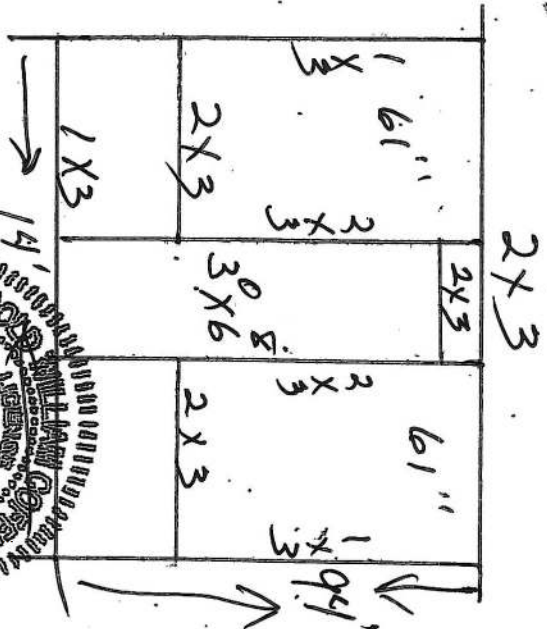
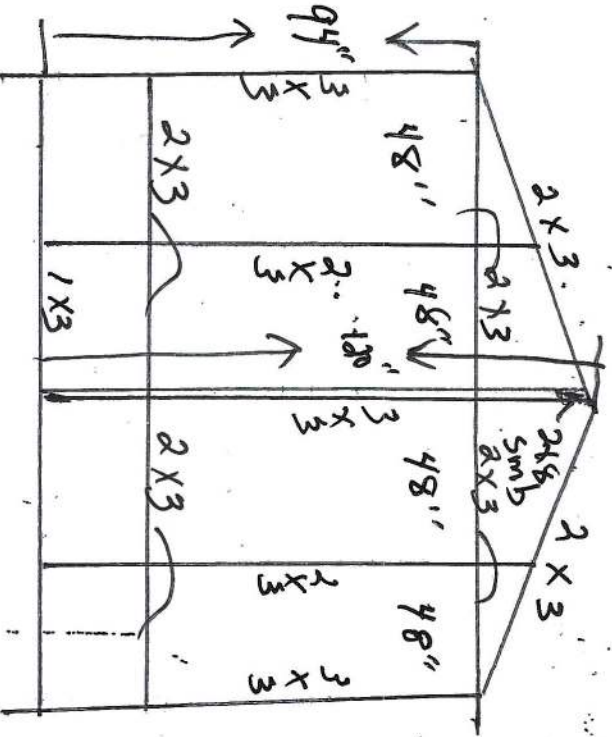
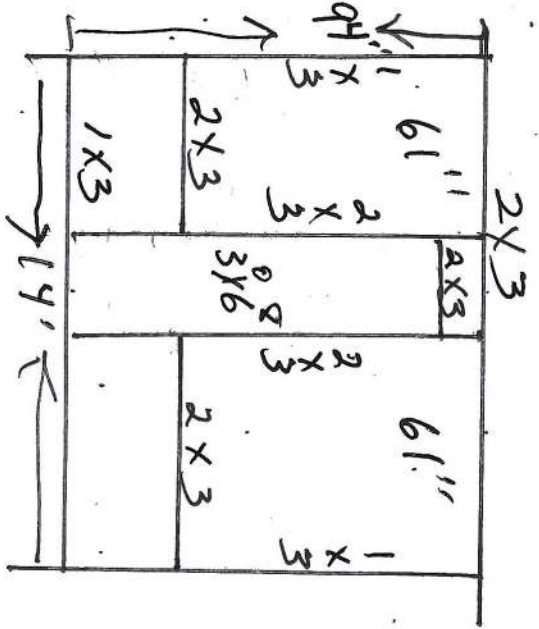
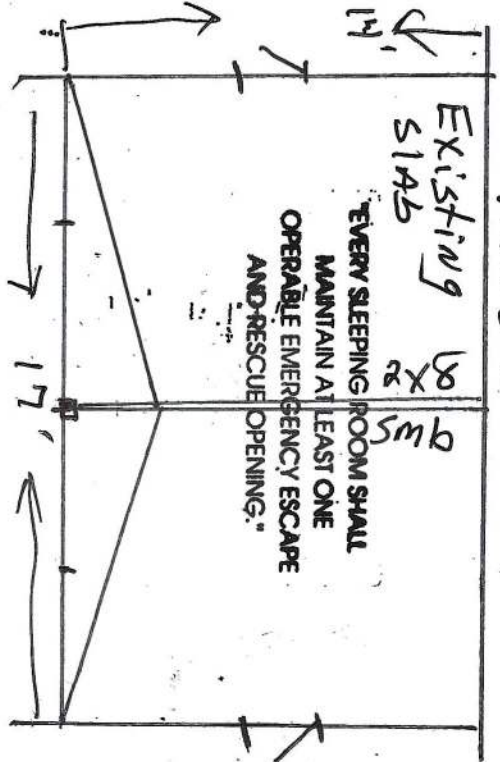
Check/Fill Out & Draw

- Job Name: DAVE GAZOMKO
Address: 333 S.W. Sweetbridge RD
Lake City, FL 32024
Wind Zone: 130
Exposure: B
1. Type of Foundation: Concrete
Including ☒ Proposed ☐
Size: 14x17
2. House Overhang Measurement: 24"
☐ 5" ☐ or 7" ☐ Super Gables
3. Foot Structure: WOOD FRAME
4. Attachment: House Roof
☐ Mason ☐ Wall ☒
5. ROOF: 3" composite
20x15
6. Monoslope ☐ Cable ☒
7. POSTS (size): 2x3, 3x3
SPACING: 48" 36" 61"
8. Ridge Beam: 2x3 + 2x8 5mb
9. Kickplate Height: 24"
10. Chair rail Height:
11. Handrail:
12. Window Type:
S.H. ☐ F.H. ☐
Size: Show on Drawing
13. Door Type: Screen Door
Size: Show on Drawing
14. Electric ☐
15. Heat ☐ A/C ☐
16. Plumbing ☐

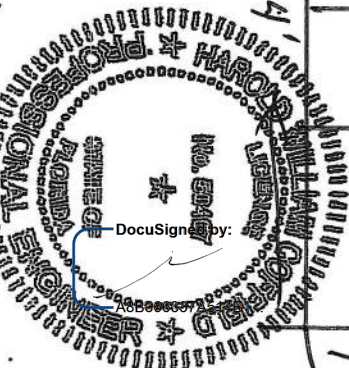
Contractor - M. Daigle & Sons

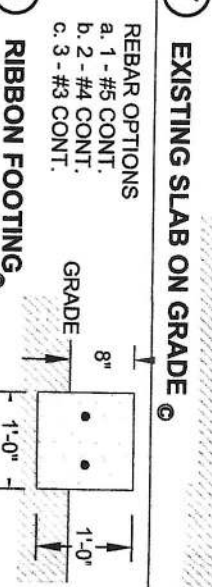
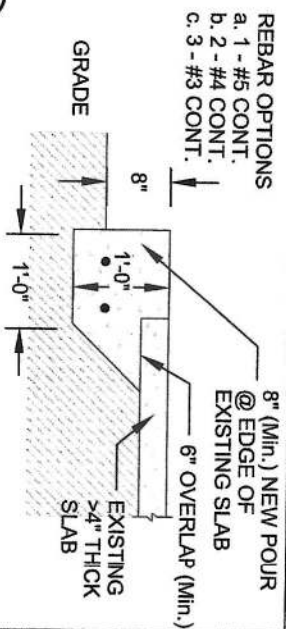
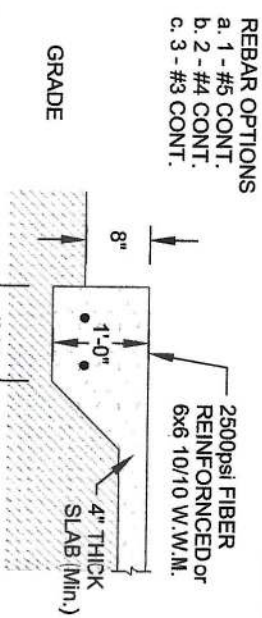
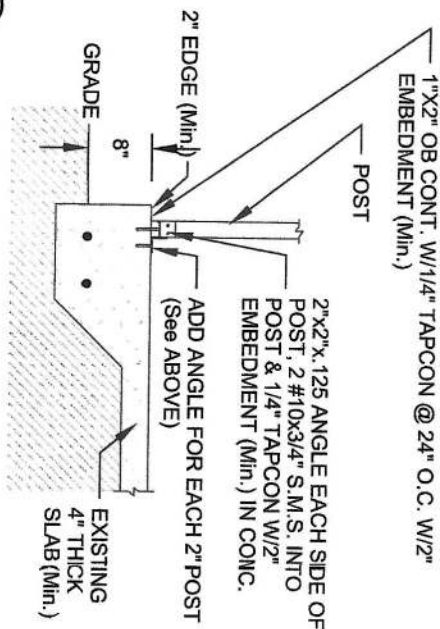
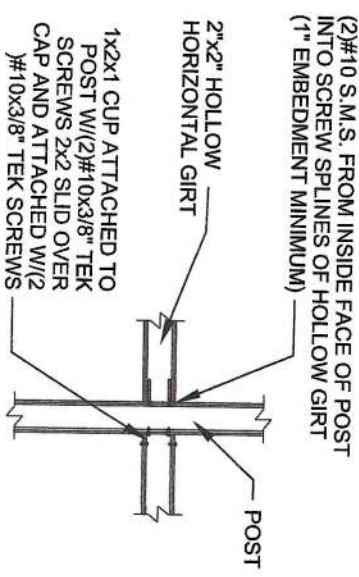
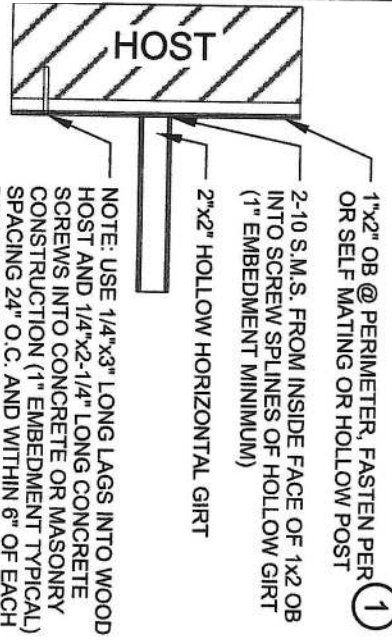
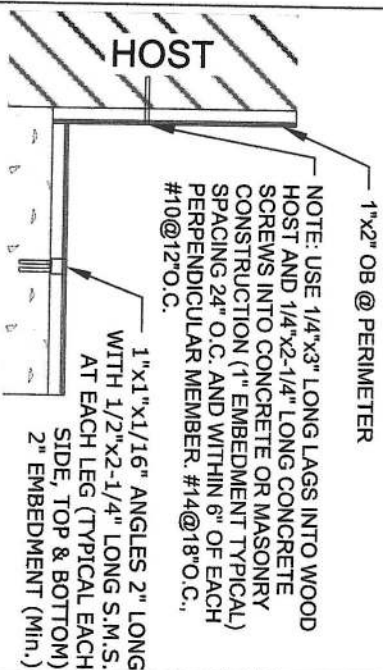
House

Phone - 904 334 4765



Harold W. Coffield, P.E.
2743-1 Armistead Rd
Jacksonville, FL 32246
904 343-3052





GENERAL NOTES and DESIGN DETAILS

- The 2023 Florida Building Code is the basis for design wind load as per Chapter 20, table 2002.4.
- Pool/Patio Enclosures and Screen/Glass Room Additions are designed to be attached to a permanent structure of adequate capacity.
- The Contractor shall verify that the host structure is in good condition and of sufficient strength to support the proposed addition.
- The exposure is per site location, "C" for structures along the coast and "B" for all others.
- Mean roof height shall be less than or equal to 30 feet. The height of the addition shall not exceed the height of the host structure.
- Concrete shall be 2500 psi (min.). Cover of rebar shall be 3" (min.). Slab thickness shall be 4" (min.). Fibermesh may be used in lieu of welded wire mesh.
- Foundation shall bear on compacted subgrade with 1500 psi (min.) bearing capacity.
- Slab on grade shall be used for roof areas less than 360 sq. ft. or for posts with tributary areas less than 75 sq. ft.
- Pile type footing shall have #3 rebar, 12" long, thru post each way.
- Embedded aluminum posts shall be isolated to prevent corrosion.
- Posts supporting carrier beams shall have adequate foundation or hold down capacity, a minimum of 1 cubic foot of concrete for each 10 square feet of screen room.
- The Pool/Patio beam spans are based on open building classifications. The typical details shown are indicative of a standard installation.
- Maximum purlin spacing is 7'-0". Internal lateral bracing is required for spans over 39 feet.
- Cable is required when enclosure extends more than 18' from host.
- One pair of cables are required for every 300 sq. ft. of wall surface area.
- Fasteners shall have a head and/or provided with washers not less than 1/2" in dia for decking and siding.
- Self-lapping SMS shall be stainless steel or zinc coated.
- All members shall be isolated as recommended by manuf. to prevent corrosion.
- All attachments must penetrate 2" (min.) into footing.
- Paver bed can be no thicker than 1".

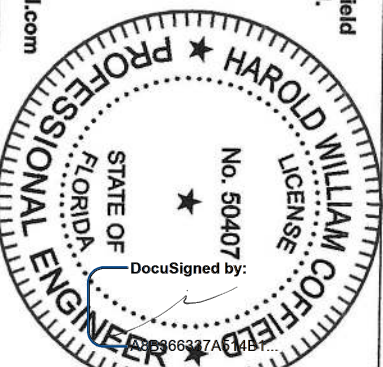
MINIMUM POST SIZE & NUMBER OF SCREWS

BEAM SIZE	POST SIZE	#8	#10	#14
2x4	2x4	10	8	5
2x6	2x4	10	8	5
2x6	2x4	10	8	5
2x6	2x5	10	12	10
2x8	2x6	16	14	12
2x8	2x7	18	15	14
2x10	2x8	22	20	18

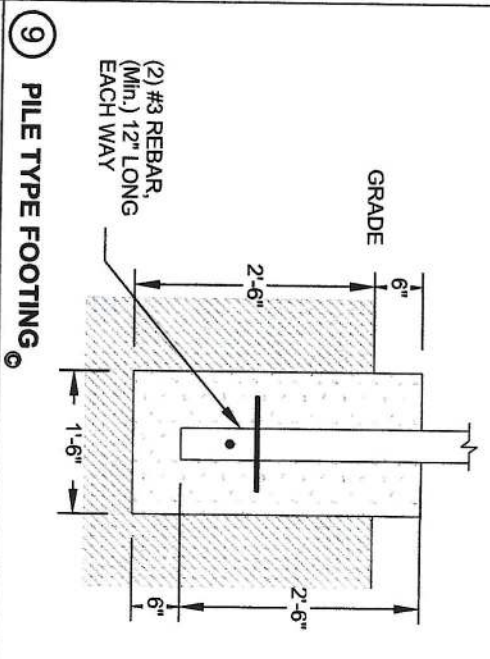
MINIMUM SPACING AND EDGE DISTANCES

MINIMUM SPACING FROM EDGE (Min.)	#8	#10	#14
	5/8"	3/4"	1"
	5/16"	3/8"	1/2"

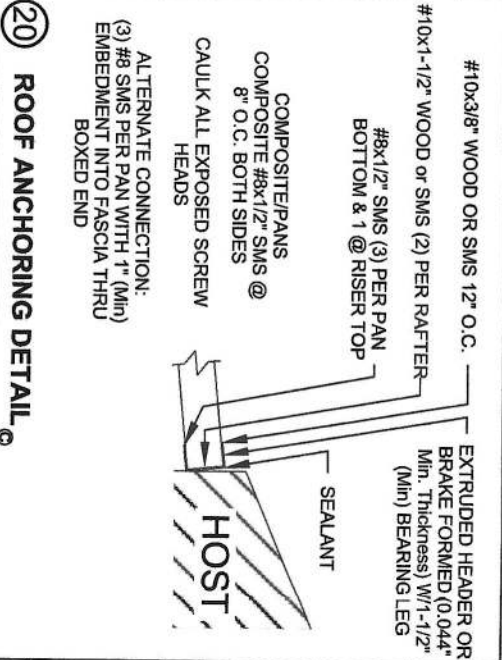
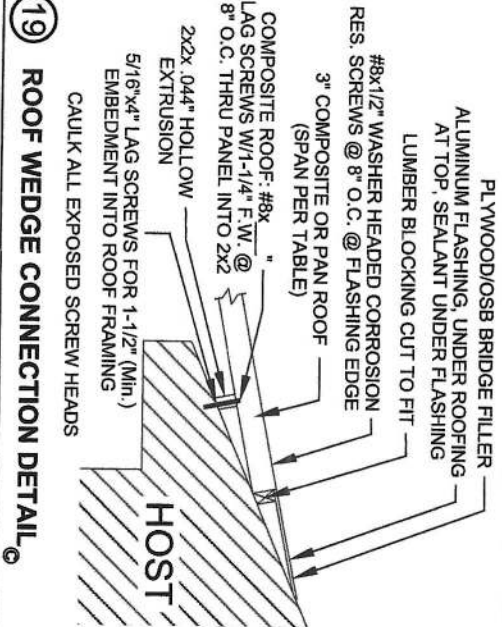
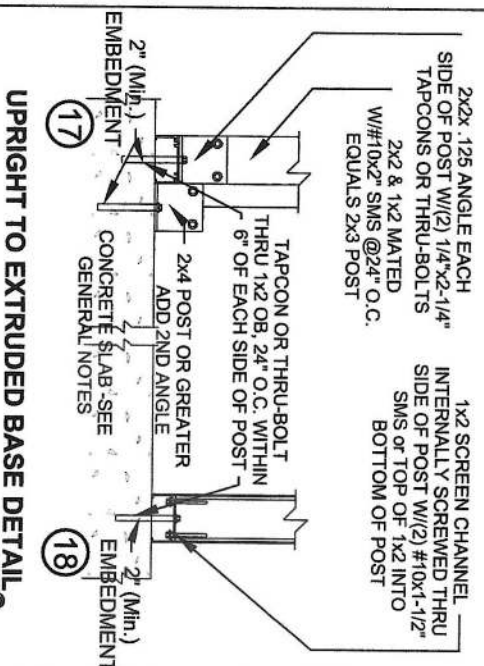
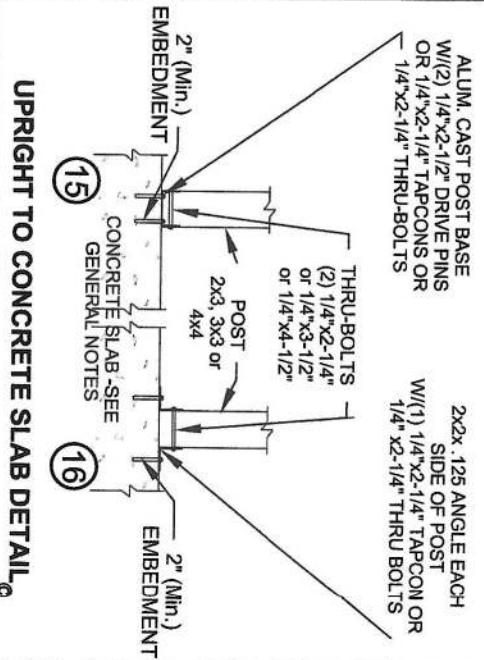
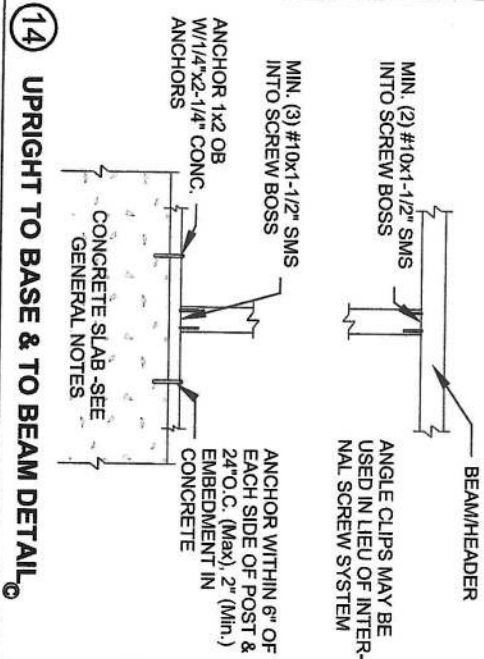
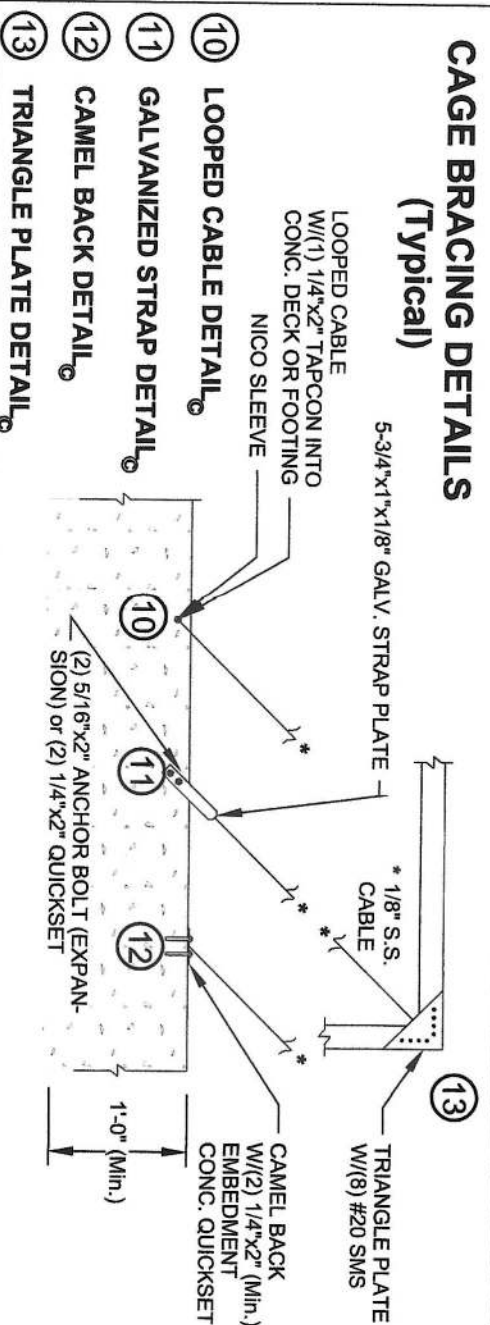
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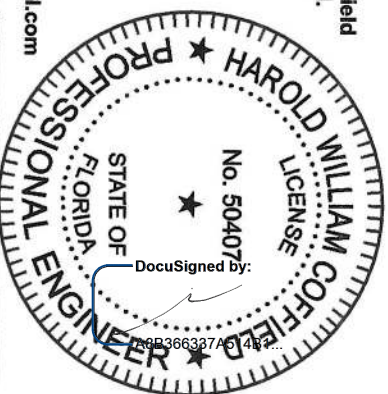
CAGE BRACING DETAILS (Typical)



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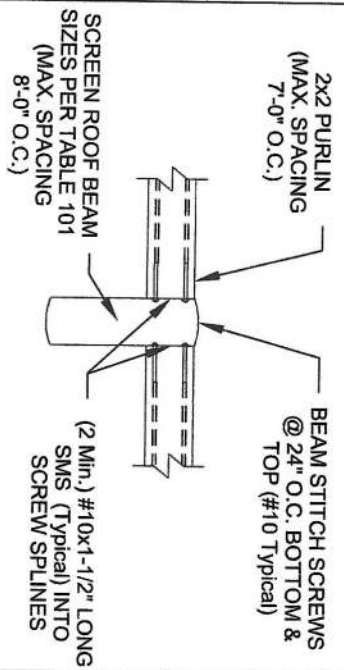
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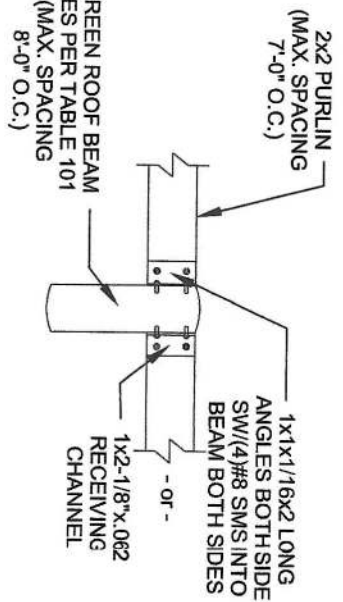


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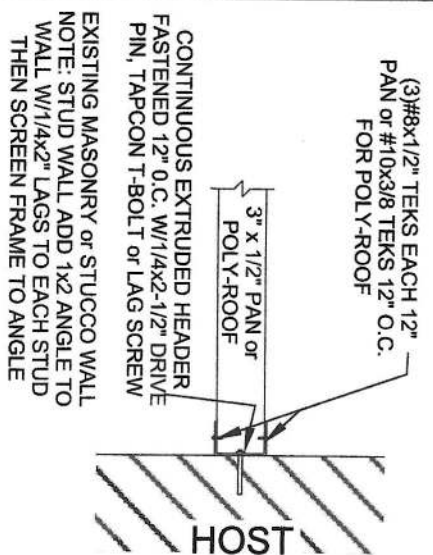




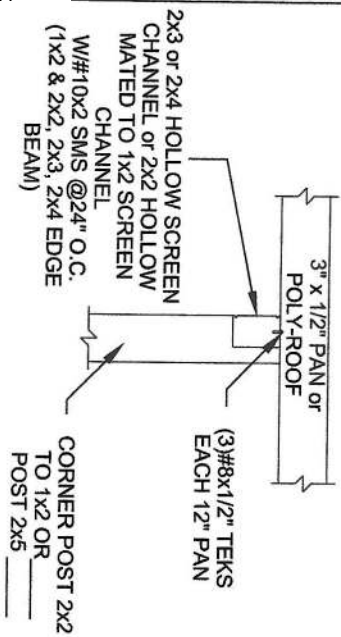
30 CONCEALED FASTENER CONNECTION ©



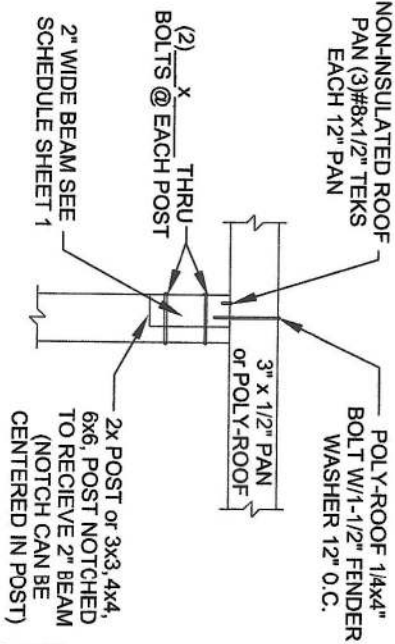
31 ANGLE or CHANNEL CONNECTORS ©



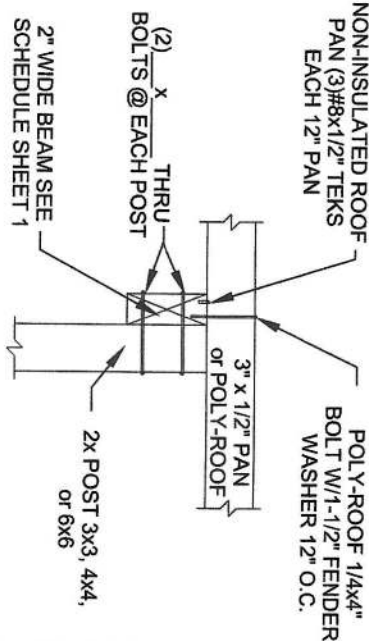
32 ROOF TO HOST DETAIL ©



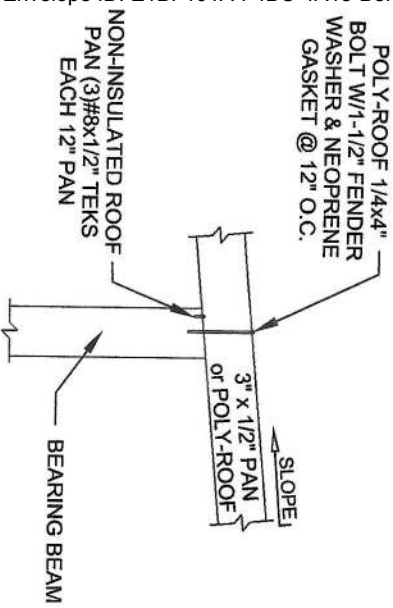
33 ROOF TO POST DETAIL ©



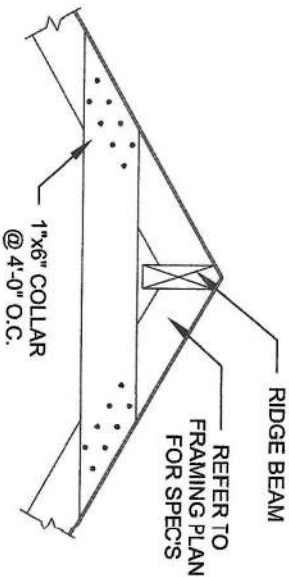
34 ROOF TO POST DETAIL ©



35 ROOF TO POST DETAIL ©



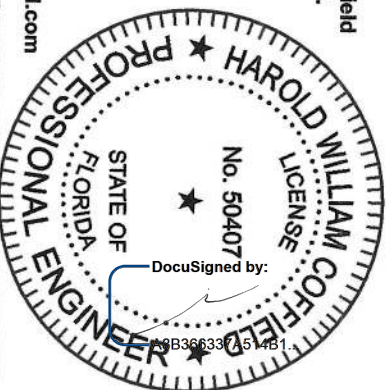
36 ROOF TO POST DETAIL ©

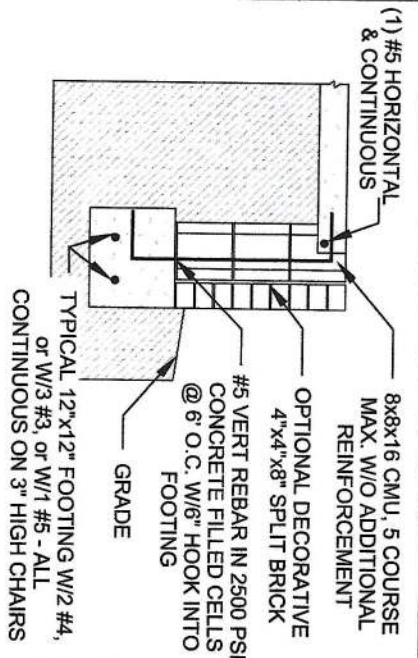


37 ROOF RIDGE DETAIL ©

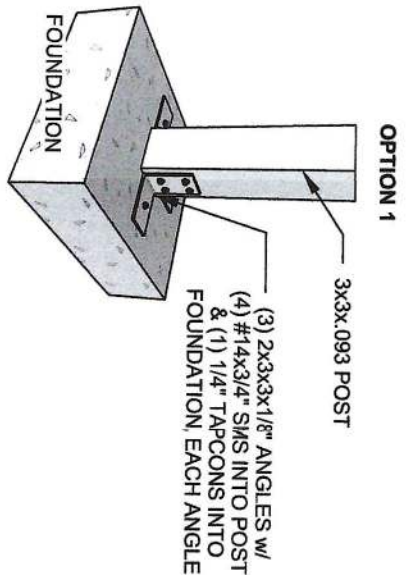
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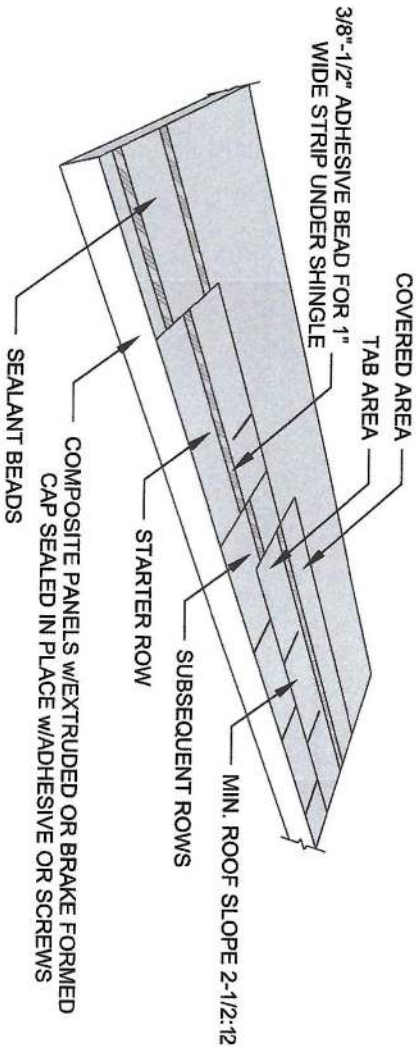
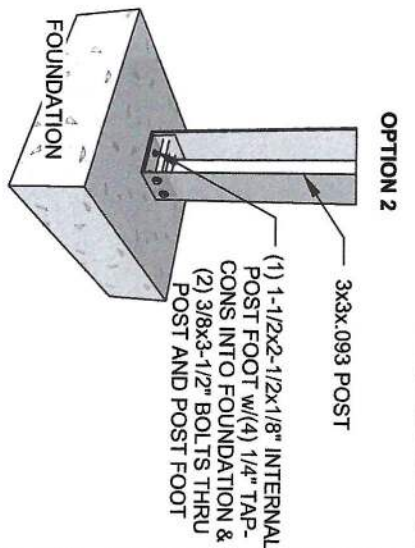




(38) RAISED PAVERS OR SLAB STEMWALL FOOTING (MAX. 3 CMU COURSES HIGH W/PAVERS)



(39) 3"x3" POST ATTACHMENT



ATTACH SHINGLES TO COMPOSITE ROOF PANELS WITH INDUSTRIAL ADHESIVE*. APPLY ADHESIVE IN A 3/8"-1/2" DIAMETER, CONTINUOUS BEAD TO PROVIDE A 1" WIDE STRIP OF ADHESIVE WHEN THE SHINGLE IS PUT IN PLACE. CLEAN ALL JOINTS, AND ROOF PANELS SURFACES WITH XYLENE (XYLOL) OR OTHER SOLVENT BASED CLEANER.

FOR AREAS UP TO 120 M.P.H. WIND ZONE:

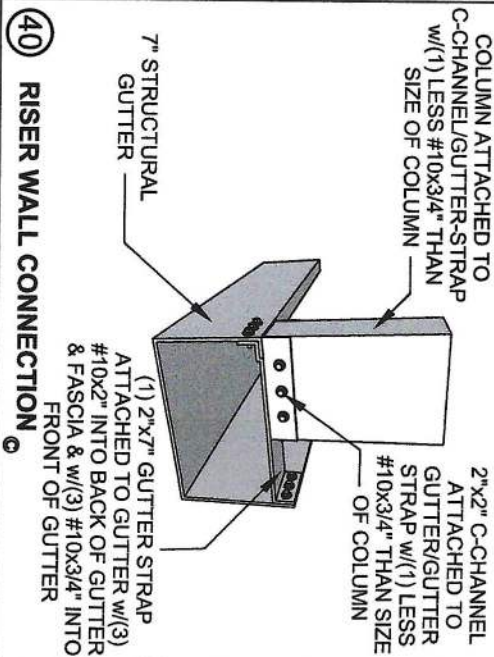
1. STARTER ROW OF SHINGLES SHALL HAVE ONE STRIP OF ADHESIVE UNDER THE SHINGLE AT MID COVERED AREA & ONE STRIP AT MID TAB AREA. STARTER SHINGLE ROW SHALL BE INSTALLED WITH THE TABS FACING IN THE UPWARD DIRECTION OF THE ROOF SLOPE.
2. SUBSEQUENT ROWS OF SHINGLES INSTALLED WITH THE TABS FACING IN THE DOWNWARD DIRECTION OF THE ROOF SLOPE, WITH ONE STRIP OF ADHESIVE UNDER THE SHINGLE AT MID COVERED AREA.

FOR AREAS ABOVE 120 M.P.H. WIND ZONE:

1. STARTER ROW OF SHINGLES SHALL HAVE TWO STRIPS OF ADHESIVE UNDER THE SHINGLE AT MID COVERED AREA & TWO STRIPS AT MID TAB AREA. STARTER SHINGLE ROW SHALL BE INSTALLED WITH THE TABS FACING IN THE UPWARD DIRECTION OF THE ROOF SLOPE.
2. SUBSEQUENT ROWS OF SHINGLES INSTALLED WITH THE TABS FACING IN THE DOWNWARD DIRECTION OF THE ROOF SLOPE, WITH TWO STRIPS OF ADHESIVE UNDER THE SHINGLE AT MID COVERED AREA.

* ADHESIVE: BASF DECASEAL (TM) 2000

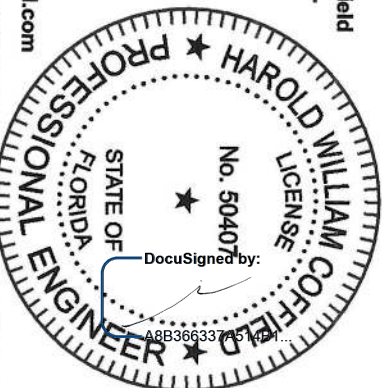
(41) COMPOSITE ROOF PANEL WITH SHINGLE FINISH DETAIL



(40) RISER WALL CONNECTION

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Edge Beam Spans for carports, patio covers, screen and glass rooms, with solid roofs.
2020 FBC, Category I, 130 wind, Exposure B, C, and D

Roof Spans w/12" overhang	10'	12'	14'	16'	18'
Edge Beam Size	Maximum Post Spacing				
2"x3" Patio, SMB	6'	5'	4'		
2"x4" Patio, SMB	7'	6'	5'	4'	
2"x5" SMB	8'	7'	6'	5'	4'
2"x6" SMB	10'	8'	7'	6'	5'
2"x7" SMB	12'	10'	8'	7'	6'
2"x8" SMB	16'	14'	12'	10'	8'
2"x9" SMB	19'	17'	15'	14'	13'
2"x10" SMB	22'	20'	18'	17'	16'

Post Size	Maximum Post Heights Exposure B				
2"x3" Patio	7'6"				
3"x3" x .090"	8'	7'6"			
2"x4" SMB, Patio	10'	9'6"	9'	8'6"	8'
3"x3" x .125", 2"x5" SMB	11'	10'6"	10'	9'6"	9'
4"x4" x .125", 2"x6" SMB	14'	13'6"	13'	12'6"	12'6"

	Maximum Post Heights Exposure C				
2"x4" SMB, Patio	9'	8'6"	8'	7'6"	
3"x3" x .125", 2"x5" SMB	10'	9'6"	9'	8'6"	9'
4"x4" x .125" SMB	12'6"	12'	11'6"	11'	10'

	Maximum Post Heights Exposure D				
2"x4" SMB	8'6"				
3"x3" x .125", 2"x5" SMB	9'	8'			
4"x4" x .125" SMB	9'8"	9'	8'4"		

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