

DATE 06/26/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000024677

APPLICANT PAUL SPICER PHONE 386.364.6464
ADDRESS POB 460 LIVE OAK FL 32064
OWNER GARY HART N PHONE 386.454.4673
ADDRESS 340 SW LOGSTON COURT FORT WHITE FL 32038
CONTRACTOR PAUL SPICER PHONE 386.364.6464
LOCATION OF PROPERTY 47-LEFT ON SEDGFIELD LN,TO LOGSTON CT,TR ITS @ THE END OF LOGSTON COURT.
TYPE DEVELOPMENT WOODDECK.PRO F. ROOF ESTIMATED COST OF CONSTRUCTION 12000.00
HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES
FOUNDATION WALLS ROOF PITCH FLOOR
LAND USE & ZONING A-3 MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT REAR SIDE
NO. EX.D.U. 1 FLOOD ZONE DEVELOPMENT PERMIT NO.

PARCEL ID 03-6S-16-03767-104 SUBDIVISION SEDGFIELD
LOT 4 BLOCK PHASE UNIT TOTAL ACRES 5.01

CRC040926
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING X-06-0235 BLK JTH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE. ACCESSORY USE ADDITIONS.

Check # or Cash 16095

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic date/app. by date/app. by date/app. by
Under slab rough-in plumbing Slab Sheathing/Nailing date/app. by
Framing Rough-in plumbing above slab and below wood floor date/app. by
Electrical rough-in Heat & Air Duct Peri. beam (Lintel) date/app. by
Permanent power C.O. Final Culvert date/app. by
M/H tie downs, blocking, electricity and plumbing Pool date/app. by
Reconnection Pump pole Utility Pole date/app. by
M/H Pole Travel Trailer Re-roof date/app. by

BUILDING PERMIT FEE \$ 60.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ CULVERT FEE \$ TOTAL FEE 110.00
INSPECTORS OFFICE CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only	Application # <u>0606-472</u>	Date Received <u>6/20</u>	By <u>JW</u>	Permit # <u>24677</u>
Application Approved by - Zoning Official <u>BLK</u>		Date <u>26.06.06</u>	Plans Examiner <u>OK JH</u>	Date <u>6-22-06</u>
Flood Zone <u>MA</u>	Development Permit <u>MA</u>	Zoning <u>A-3</u>	Land Use Plan Map Category <u>A-3</u>	
Comments <u>Accessory Use Additions (NEEN SEPLIE)</u>				

Applicants Name SPICER CONSTRUCTION, INC Phone 386-364-6464
 Address P.O. Box 460 Live Oak, FL 32064
 Owners Name GARY HART Phone 386-454-4673
 911 Address 340 SW Logston Ct. Ft. White, FL 32038
 Contractors Name PAUL SPICER - SPICER CONSTRUCTION, INC Phone 386-364-6464
 Address P.O. Box 460 Live Oak, FL 32064
 Fee Simple Owner Name & Address NONE
 Bonding Co. Name & Address NONE
 Architect/Engineer Name & Address LAWRENCE E BENNETT P.E.
 Mortgage Lenders Name & Address NONE
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 03-65-16-03767-104 Estimated Cost of Construction 12,000.00
 Subdivision Name Sedgefield Lot 5 Block Unit Phase 1
 Driving Directions SR 47 South turn left at Sedgefield Ln, turn right on Logston Ct, go to end of Ct.

Type of Construction WOOD DECK / PRO-FAB ROOF Number of Existing Dwellings on Property 1
 Total Acreage 5.01 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 362.4 Side 181 Side 190 Rear 200.5
 Total Building Height Number of Stories 1 Heated Floor Area Roof Pitch

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Sadie Pittman
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 19th day of June 2006.
 Personally known ✓ or Produced Identification

Paul Spicer
 Contractor Signature
 Contractors License Number CR040926
 Competency Card Number
 NOTARY STAMP/SEAL

Claudia Wagman
 Notary Signature
 CLAUDIA WAGMAN
 Commission # DD0191348
 Expires 3/8/2007
 Bonded through
 (800-432-4254) Florida Notary Assn., Inc.

7-26-06 JW left message for Ldr

LIMITED POWER OF ATTORNEY

I, Paul Spicer, do hereby authorize Sadie Pettrey to be

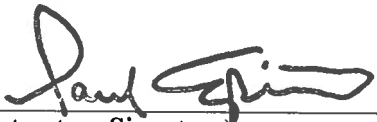
My representative and act on my behalf in all aspects of applying for a Building

Permit to be placed on property in Columbia County, Florida described as follows:

Owner's Name: Gary Hart

Section: 03 Township: 6S Range: 16

Tax Parcel Number: 03767-104

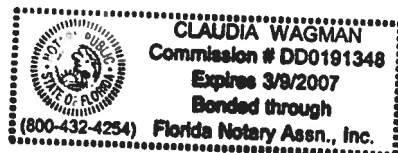

(Contractors Signature)

06/19/2006
(Date)

Sworn to and subscribed before me this 19th day of June 2006


Notary Public

My Commission expires: 3/9/2007
Commission Number: DD 0191348
Personally Known: ✓
Produced ID (Type): _____



NOTICE OF COMMENCEMENT

STATE OF FLORIDA COUNTY OF COLUMBIA

The undersigned hereby gives notice that improvements will be made to certain real property, and in accordance with Chapter 713, the following information is protected in this Notice of Commencement.

1. Description of Property: 03-65-16-03767-104

2. General Description of Improvement: WOOD DECK / PRO-FAB ROOF

3. Owner Information:

a. Name: GARY HART
Address: 340 Logston Ct Ft. White, FL 32038
Interest in Property: Owner

b. Fee Simple Titleholder (If other than owner)

Name: _____

Address: _____

4. Contractor: Name: Spicer Construction, Inc.
Address: P.O. Box 460 Live Oak, FL 32064

5. Surety: a. Name: _____
Address: _____

b. Amount of Bond: _____

6. Lender: Name: NONE
Address: _____

7. Persons within the state of Florida designated by owner upon whom notices or other documents may serve as provided by Florida Statutes, 713.13 (a) (7):

8. In addition to himself, owner designates SPICER CONSTRUCTION, INC

to receive a copy of the Lienor's Notice as provided in Florida Statutes 713.13 (1) (b).

9. Expiration date of Notice of Commencement (expiration is 1 year from the date of recording unless a different date is specified): _____

Prepared By: S. Pettrey
Address: P.O. Box 460 Live Oak, FL 32064
Telephone: (386)-364-6464

Sworn to and subscribed before me this 19th day of June 2006

Personally Know _____

Produced ID ✓

Did / Did not take an Oath _____

Gary Hart
Type Owners Name:

GARY HART

Type Owners Name:

Sadie Pettrey
Signature

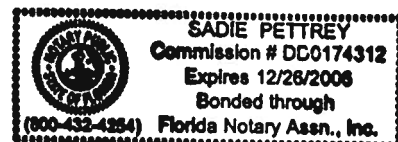
Print Notary's Name Sadie Pettrey

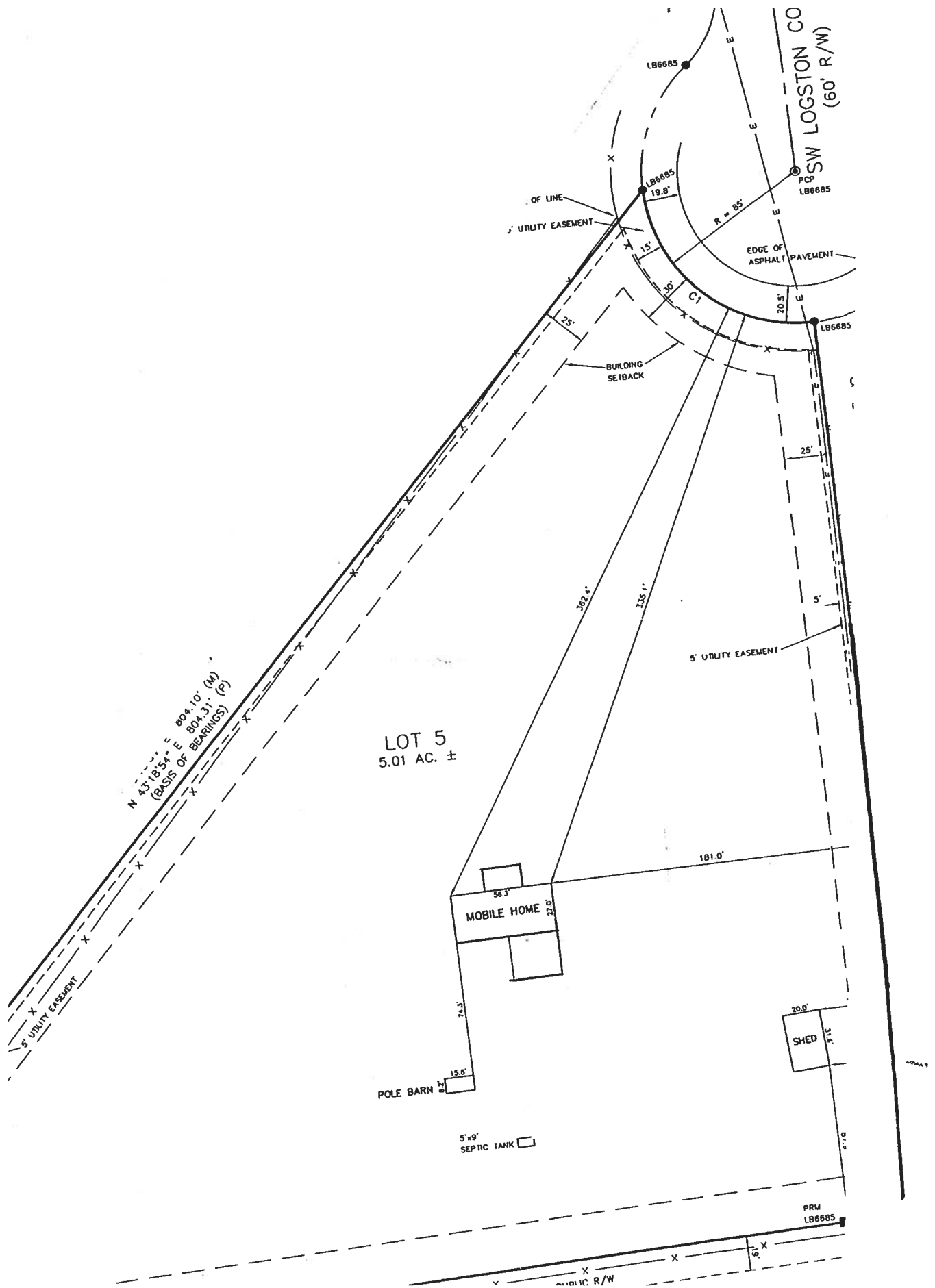
Notary Public, State of Florida

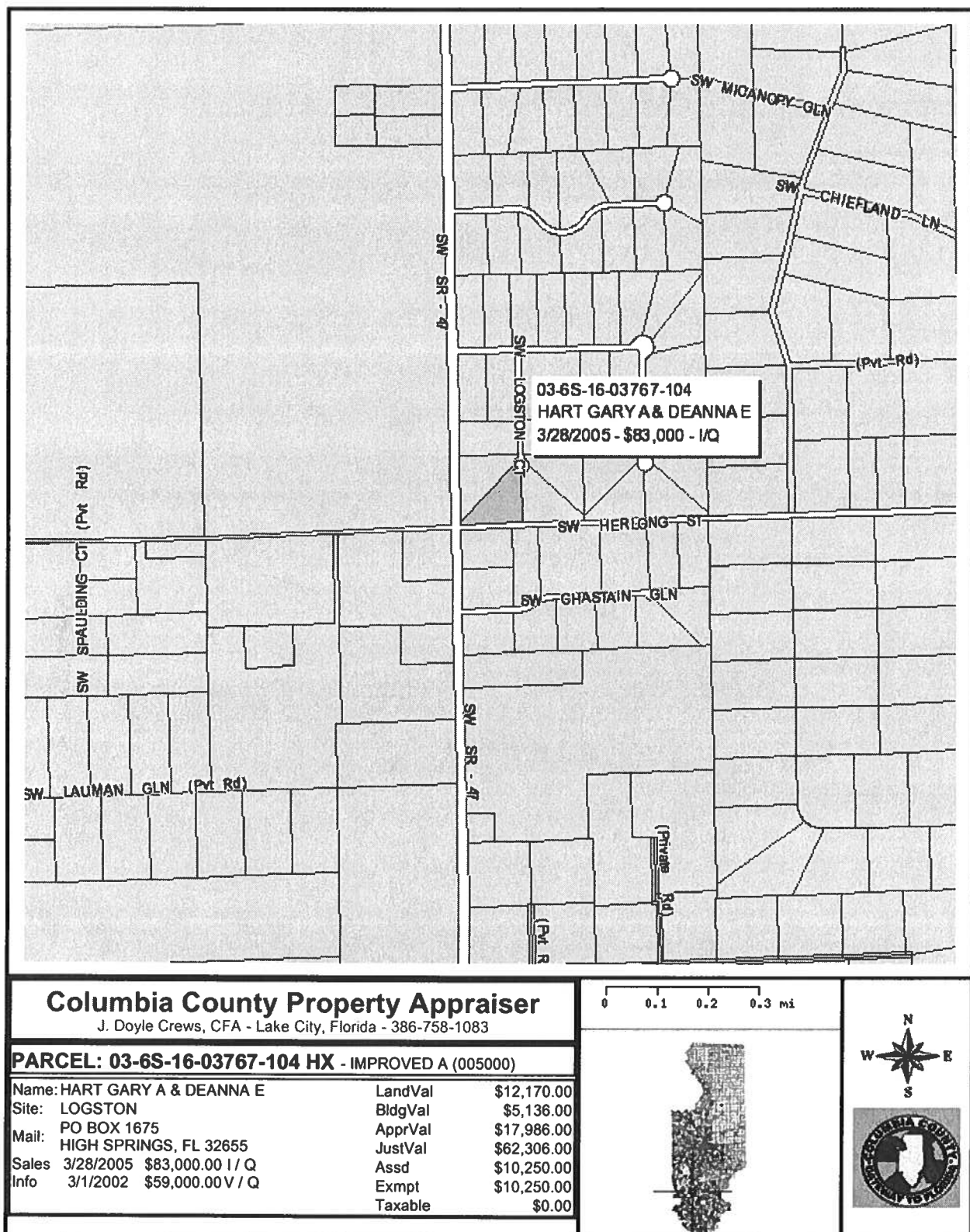
Commission expiry and Number 12-26-06

Inst: 2006014790 Date: 06/20/2006 Time: 13:28

DC, P. DeWitt Cason, Columbia County B: 1087 P: 742







This information, GIS Map Updated: 5/5/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

03-6S-16-03767-104

LOT 5 SEDGEFIELD S/D
 PHASE 1. ORB 948-1151.
 WD 1078-2583.

HART GARY A & DEANNA E
 PO BOX 1675
 HIGH SPRINGS, FL 32655

03-6S-16-03767-104

Columbia County 2006 R

CARD 001 of 00

PRINTED 5/05/2006 8:43
 APPR 3/20/2005 JS

BY JEFF

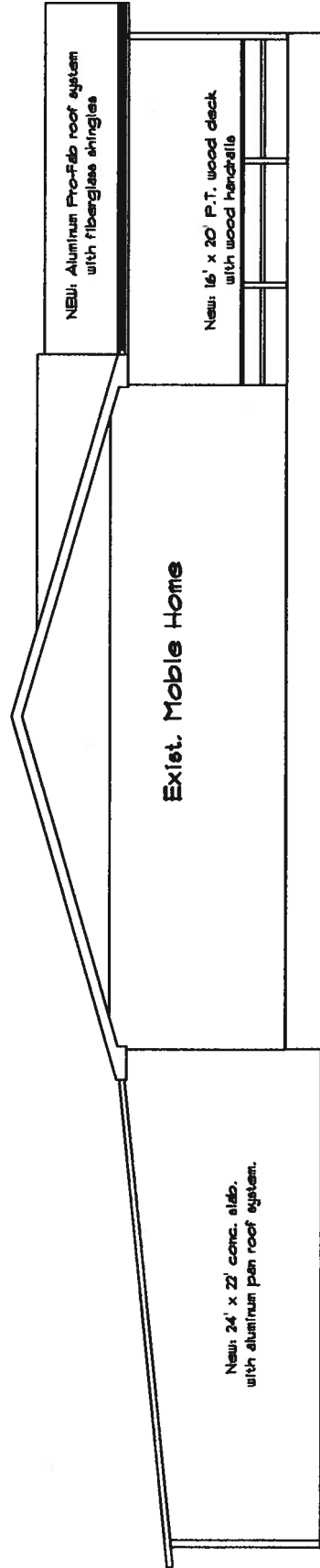
BUSE 000200 SFR MANUF	AE? Y	280 HTD AREA	97.000 INDEX	3616.00 DIST 3	PUSE 005000 IMPROVED AG
MOD 2 MOBILE HME BATH	1.00	280 EFF AREA	30.071 E-RATE	100.000 INDX	STR 3- 6S- 16
EXW 26 ALM SIDING FIXT		8420 RCN		1989 AYB	MKT AREA 02
% N/A BDRM	1	61.00 %GOOD	5,136 B BLDG VAL	1989 EYB	(PUD1
RSTR 01 FLAT RMS					AC 5.000
RCVR 01 MINIMUM UNITS		FIELD CK:	HX AppYr 2005		NTCD AG
% N/A C-W%		LOC: 340 LOGSTON CT SW FT WHITE			APPR CD
INT 05 DRYWALL HGHT					CNDO
% N/A PMTR		+-----35-----+			SUBD
FLR 14 CARPET STYS	1.0	IBAS2004	I		BLK
10% 08 SHT VINYL ECON		8	8		LOT
HTTP 03 FORCED AIR FUNC		I	I		MAP# 51
A/C 02 WINDOW SPCD		+-----35-----+			HX
QUAL 03 AVERAGE DEPR 09					TXDT 003
FNDN N/A UD-1 N/A					
SIZE N/A UD-2 N/A					
CEIL N/A UD-3 N/A					
ARCH N/A UD-4 N/A					
FRME 01 NONE UD-5 N/A					
KTCH N/A UD-6 N/A					
WINDO N/A UD-7 N/A					
CLAS N/A UD-8 N/A					
OCC N/A UD-9 N/A					
COND N/A % N/A					
SUB A-AREA % E-AREA SUB VALUE					
BAS04 280 100 280 5136					

----- BLDG TRAVERSE -----
 BAS2004=W35 S8 E35 N8\$.

----- PERMITS -----
 NUMBER DESC AMT ISSUED
 22291 TR/TRAILER 50 9/09/20
 21391 TR/TRAILER 150 12/31/20
 ----- SALE -----
 BOOK PAGE DATE PRIC
 1078 2583 3/28/2005 Q I 83
 GRANTOR JASPER JAY HARRISON
 GRANTEE GARY & DEANNA HART
 948 1151 3/01/2002 Q V 59
 GRANTOR SEDEGFIELD LAND COMPANY
 GRANTEE JASPER JAY HARRISON

TOTAL 280 280 5136										
----- EXTRA FEATURES -----										
AE BN CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	ADJ	UNITS	UT
FIELD CK:										
LAND DESC	ZONE	ROAD	{UD1	{UD3	FRONT	DEPTH	FIELD CK:			
AE CODE	TOPO	UTIL	{UD2	{UD4	BACK	DT	ADJUSTMENTS			
Y 000200 MBL HM							1.00	1.00	1.00	1.00
N 006200 PASTURE 3	A-1	0007					1.00	1.00	1.00	1.00
	0002	0003								
N 009910 MKT.VAL.AG							1.00	1.00	1.00	1.00
Y 009945 WELL/SEPT							1.00	1.00	1.00	1.00
2006										

UNITS	UT	PRICE	ADJ	UT	PR	LAND	VALUE
1.000	AC	10170.000				10,170	
4.000	AC	170.000				680A	
1.000	LT						
		45000.000				45,000M	
1.000	UT	2000.000				2,000	



PROPOSED 22' X 24' CONC.
W/ ALUMINUM PAN ROOF

EXIST. MOBLE HOME

PROPOSED 16' X 20' WOOD DECK
WITH ALUMINUM PRO-FAB ROOF

General Notes and Specifications:

1. The following structures are designed to be married to block and wood frame structures of adequate structural capacity. The contractor / home owner shall verify that the host structure is in good condition and of sufficient strength to hold the proposed addition.
2. If there is a question about the host structure, the owner (at his own expense) shall hire an architect, engineer, or a certified home inspection company to verify host structure capacity.
3. The structures designed using this section shall be limited to a maximum projection of 16' from the host structure. Freestanding structures shall be limited to the maximum spans and size limits of component parts. Larger than these limits shall have site specific engineering.
4. The following rules apply to attachments involving mobile and manufactured homes:
 - a. Structures to be placed adjacent to a mobile / manufactured home built prior to 1994 shall use "fourth wall construction" or shall provide detailed plans of the mobile / manufactured home and inspection report along with addition plans for site specific review and seal by the engineer. This applies to all screen / glass rooms and / or structures to be attached.
 - b. "Fourth wall construction" means the addition shall be free standing with only the roof flashing of the two units being attached. The most common "fourth wall construction" is a post & beam frame adjacent to the mobile / manufactured home. The same span tables can be used as for the front wall beam. For fourth wall beam use the carrier beam table. The post shall be sized according to this manual and/or as a minimum be a 2" x 3" x 0.050" with an 18" x 2" x 0.044" knee brace at each end of the beam.
 - c. For mobile / manufactured homes built after 1994, structures may be attached, provided the project follows the plan provided in this manual. The contractor / owner shall provide verification that the structural system of the host structure is adequate for the addition to be attached.
 - d. If the mobile / manufactured home manufacturer certifies in writing that the mobile home may be attached to, then a "fourth wall" is NOT required.
5. Section 7 contains span tables and the attachment details for pans and composite panels.
6. Screen walls between existing walls, floors, and ceilings are considered infills and shall be allowed and heights shall be selected from the same tables as for other screen walls.
7. When using TEK screws in lieu of S.M.S., longer screws must be used to compensate for drill head.
8. For high velocity hurricane zones the minimum live load / applied load shall be 30 PSF.
9. All specified anchors are based on an enclosed building with a 16' projection and a 2' overhang for up to a wind velocity of 120 MPH.
10. Spans may be interpolated between values but not extrapolated outside values.
11. When notes refer to screen rooms, they shall apply to acrylic / vinyl rooms also.

Section 3A Design Statement:

The structures designed for Section 3A are solid roofs with screen or vinyl walls and are considered part of an open structural system which is designed to be married to an existing structure.

The design wind loads used for screen & vinyl rooms are from Chapter 20 of the 2004 Florida Building Code. The loads assume a mean roof height of less than 30'; roof slope of 0° to 20°; $I = 0.77$. All loads are based on 20 / 20 screen or larger. All pressures shown in the below table are in PSF (#SF).

Negative internal pressure coefficient is 0.00 for open structures.

Anchors for composite panel roof systems were computed on a load width of 10' and 16' projection with a 2' overhang. Any greater load width shall be site specific.

General Notes and Specifications for Section 3A Tables:

Section 3A Design Loads

for Screen, Acrylic & Vinyl Rooms

Roof	Wall	Over Hang
100 MPH	+10/-10	9
110 MPH	+10/-11	11
120 MPH	+10/-13	13
130 MPH	+10/-14	14
140A MPH	+10/-15	15
140B MPH	+30/-17	18
150 MPH	+30/-18	18
	+30/-20	20
		+30/-47

Note 1: Framing systems of screen, vinyl, and glass rooms are considered to be main frame resistance components.

Wind loads are listed as minus loads for roofs and plus loads for walls. To convert above wind loads to "C" Exposure loads multiply by 1.4.

Conversion Table 3A-B

Wind Zone Conversions for Over Hangs

All Room Types

From 120 MPH Wind Zone to Others

Wind Zone	Applied Load	Deflection	Banding
MPH	(#SF)	(d)	(b)
100	30	1.13	1.09
110	36	1.06	1.00
120	43	1.00	1.00
123	45	0.98	0.98
130	50	0.95	0.93
140A	58	0.91	0.86
140B	68	0.91	0.86
150	67	0.86	0.80

Conversion Table 3A-A

Wind Zone Conversions for Screen & Vinyl Rooms

From 120 MPH Wind Zone to Others

Wind Zone	Applied Load	Roofs		Walls	
		(#SF)	(d)	(b)	(d)
100	10	1.09	1.14	10	1.12
110	11	1.06	1.09	11	1.08
120	13	1.00	1.00	14	1.00
123	14	0.98	0.96	15	0.97
130	15	0.95	0.93	16	0.95
140A	17	0.91	0.87	18	0.92
140B	18	0.90	0.85	18	0.88
150	30	0.76	0.66	21	0.87

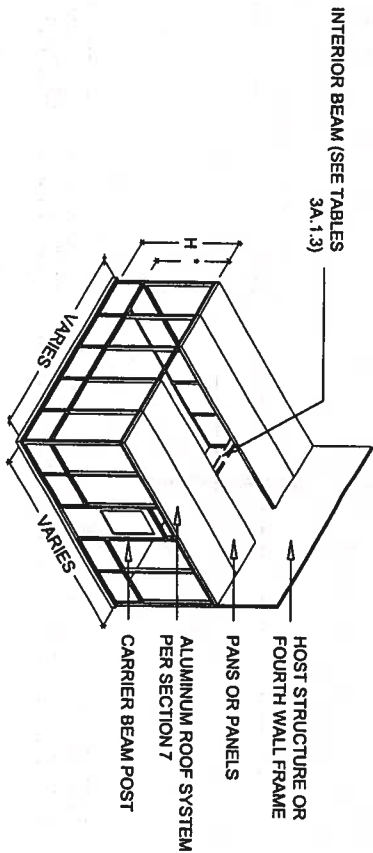
Conversion Table 3C

Conversion Based on Mean Height of Host

Structure for Open Structures w/ Solid Roofs

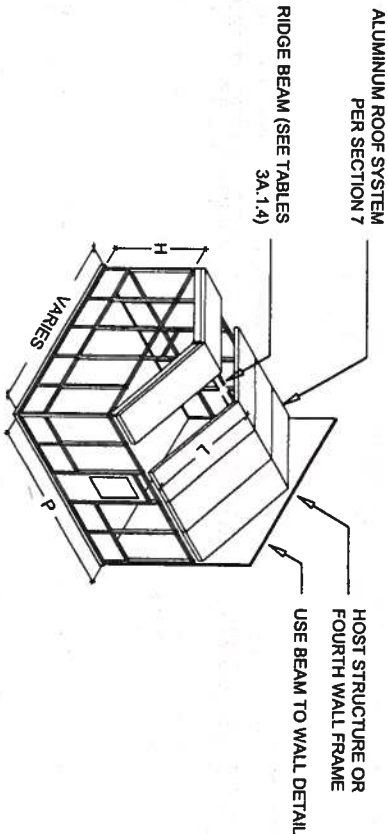
From exposure "B" to exposure "C"

Mean Host	Deflection	Banding
Structure Height	(d)	(b)
0 to 15'-0"	0.94	0.91
15'-0" to 20'-0"	0.92	0.88
20'-0" to 25'-0"	0.91	0.86
25'-0" to 30'-0"	0.89	0.85



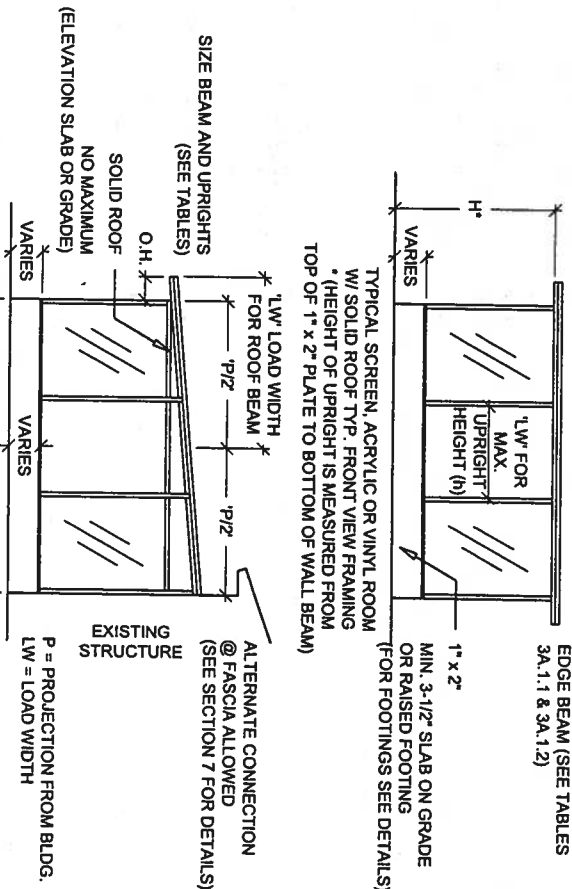
TYPICAL SLOPED SOLID ROOF ENCLOSURE

SCALE: N.T.S.



TYPICAL GABLE SOLID ROOF ENCLOSURE

SCALE: N.T.S.



NOTES:
ANCHOR 1" x 2" OPEN BACK EXTRUSION W/ 1/4" x 2-1/4" CONCRETE FASTENER MAX. OF 2'-0" O.C.
AND W/ IN 6" EACH SIDE OF UPRIGHT ANCHOR 1" x 2" TO WOOD WALL W/ #10 x 2-1/2" S.M.S. W/
WASHERS OR #10 x 2-1/2" WASHER HEADED SCREW 2'-0" O.C. ANCHOR BEAM AND COLUMN
INTERNALLY OR W/ ANCHOR CLIPS AND (2) #8 SCREWS W/ WASHERS @ EACH POINT OF
CONNECTION.
SELECT FRONT WALL BEAM FROM TABLE USING LARGER LOAD WIDTH VALUE OF P/2 OR P/2 + O.H.
SELECT SCREEN ROOM FORTH WALL BEAM FROM TABLES 3A.1.3
ANCHORS BASED ON 120 MPH WIND VELOCITY. FOR HIGHER WIND ZONES USE THE FOLLOWING
CONVERSION:

100-123	130	140	150
#8	#10	#12	#12

TYPICAL SCREEN ROOM

SCALE: 1/8" = 1'-0"

07-08-2004

PURSUANT TO PROVISIONS OF THE FLORIDA DEPARTMENT OF HIGHWAY SAFETY & MOTOR VEHICLES DIVISION OF MOTOR VEHICLES RULE 16C-2, THE SPAN TABLES CONNECTION DETAILS, ANCHORING AND OTHER SPECIFICATIONS ARE DESIGNED TO BE MARRIED TO CONVENTIONALLY CONSTRUCTED HOMES AND / OR MANUFACTURED HOMES AND MOBILE HOMES CONSTRUCTED AFTER 1984.

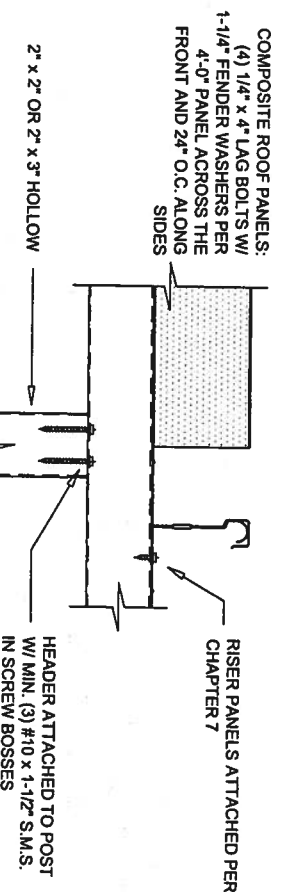
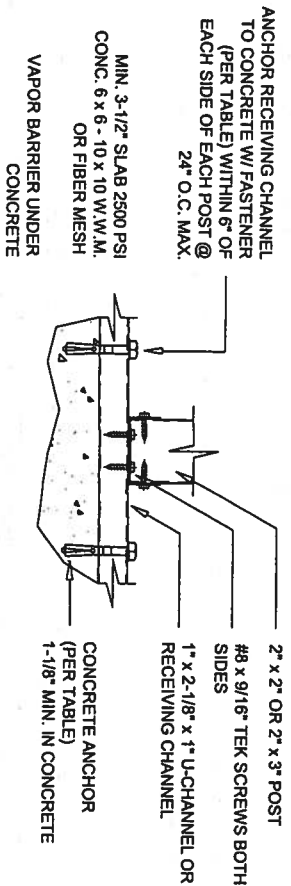
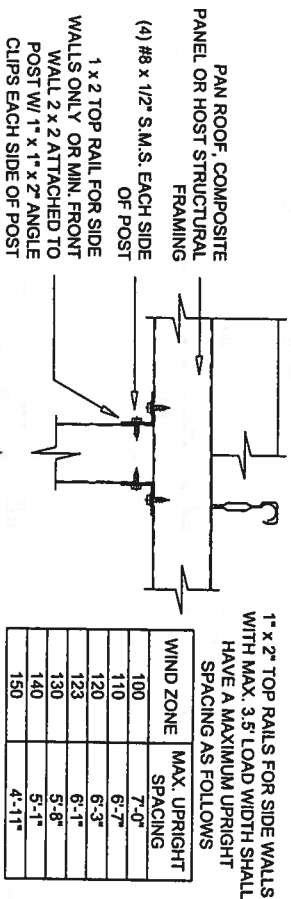
THE DESIGNS AND SPANS SHOWN ON THESE DRAWINGS ARE BASED ON THE LOAD REQUIREMENTS FOR THE FLORIDA BUILDING CODE 2004 EDITION.

JOB NAME: _____
ADDRESS: _____
DRAWING FOR ONE PERMIT ONLY

SCREEN, ACRYLIC & VINYL ROOMS
ALUMINUM STRUCTURES DESIGN MANUAL
2004 FLORIDA BUILDING CODE
MAY 2004 EDITION
SECTION 3A DETAILS

Lawrence E. Bennett, P.E.
FL # 16644
CIVIL ENGINEER - DEVELOPMENT CONSULTANT
P.O. BOX 214368, SOUTH DAYTONA, FL 32121
TELEPHONE: (386) 767-4774
FAX: (386) 767-6556

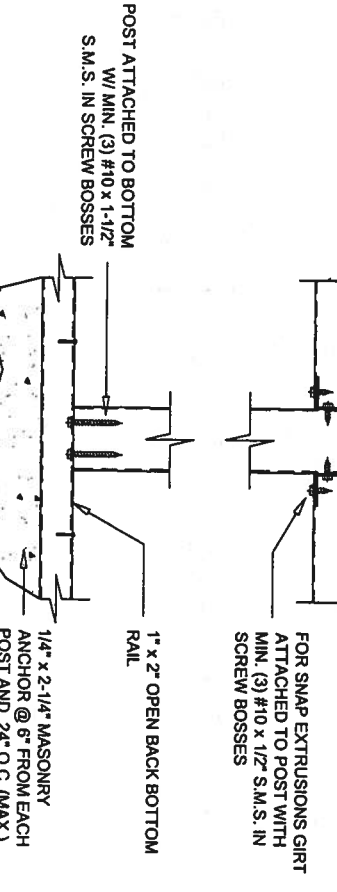
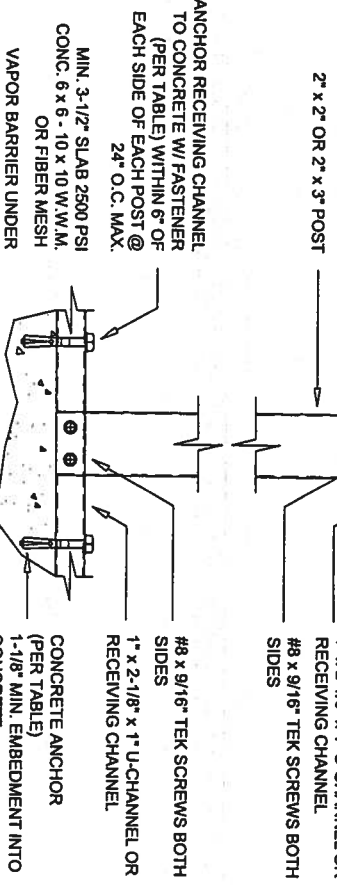
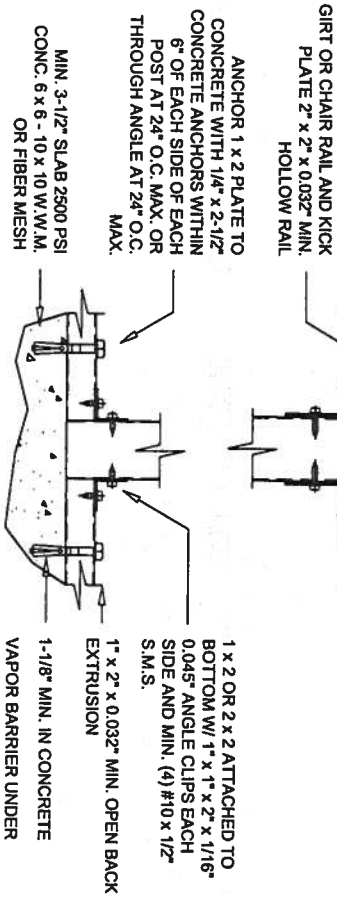
JAN 21 2006
SEAL



INTERNAL OR EXTERNAL U-CLIP OR U-CHANNEL CHAIR RAIL ATTACHED TO POST W/ MIN. (4) #10 S.M.S.

ALTERNATE POST TO BASE CONNECTION - DETAIL 1

SCALE: 2" = 1'-0"

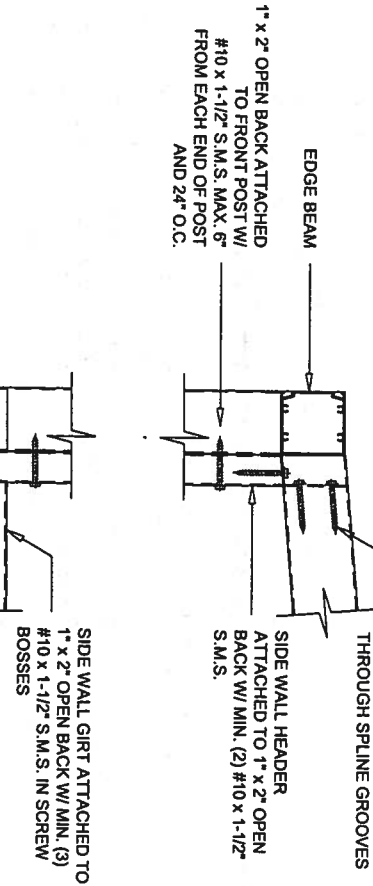
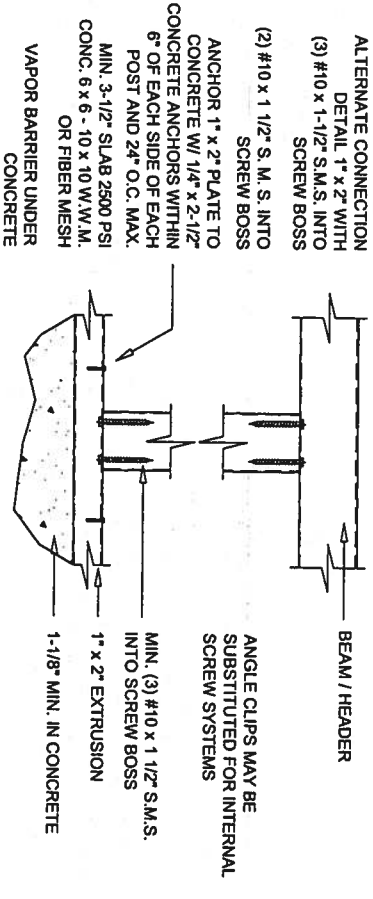


POST TO BASE, GIRT AND POST TO BEAM DETAIL

SCALE: 2" = 1'-0"

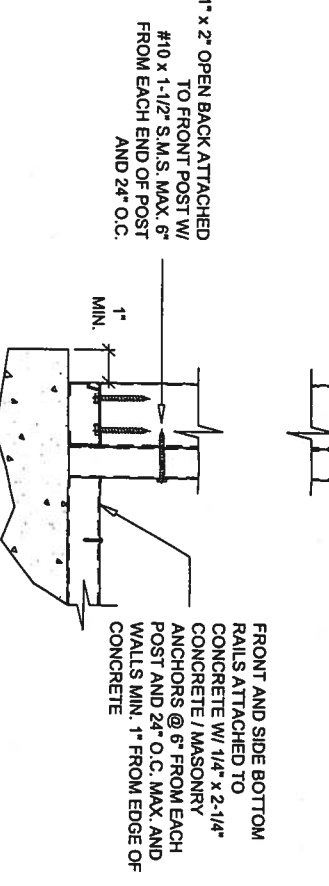
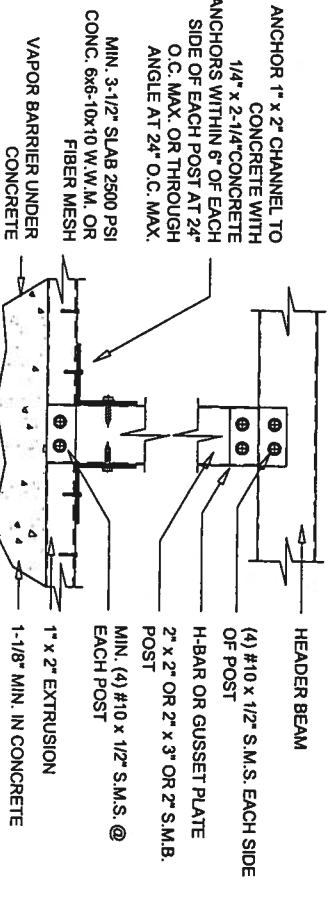
ALTERNATE POST TO BASE CONNECTION - DETAIL 2

SCALE: 2" = 1'-0"



ALTERNATE HOLLOW UPRIGHT TO BASE AND HOLLOW UPRIGHT TO BEAM DETAIL

SCALE: 2" = 1'-0"



ALTERNATE PATIO SECTION TO UPRIGHT AND PATIO SECTION TO BEAM DETAIL

SCALE: 2" = 1'-0"

TYPICAL & ALTERNATE CORNER DETAIL

SCALE: 2" = 1'-0"

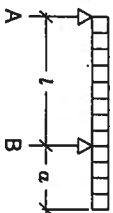
TYPICAL UPRIGHT DETAIL

SCALE: 2" = 1'-0"

Lawrence E. Bennett, P.E.
FL # 16644
CIVIL ENGINEER - DEVELOPMENT CONSULTANT
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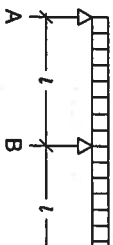
SCREEN, ACRYLIC & VINYL ROOMS
ALUMINUM STRUCTURES DESIGN MANUAL
2004 FLORIDA BUILDING CODE
MAY 2004 EDITION
SECTION 3A DETAILS

UNIFORM LOAD



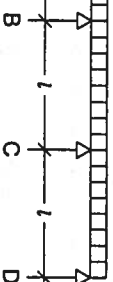
SINGLE SPAN CANTILEVER

UNIFORM LOAD



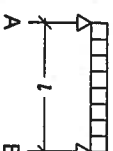
2 SPAN

UNIFORM LOAD



3 SPAN

UNIFORM LOAD



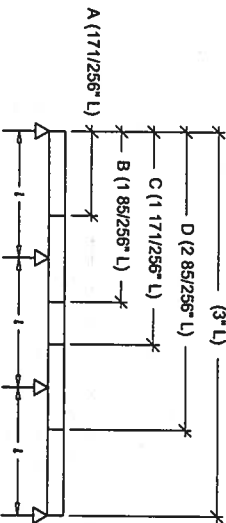
1 OR SINGLE SPAN

NOTES:

- 1) L = Span Length
 a = Overhang Length
- 2) All spans listed in the tables are for equally spaced distances between supports or anchor points.
- 3) Hollow extrusions shall not be spliced.
- 4) Single span beams shall only be spliced at the quarter points and splices shall be staggered.

SPAN EXAMPLES FOR SECTION 3 TABLES

SCALE: N.T.S.



ALLOWABLE BEAM SPLICE LOCATIONS

SCALE: N.T.S.

SINGLE SPAN BEAM SPLICE @ 1/4 POINT OF BEAM SPAN
ALL SPLICES SHALL BE STAGGERED ON EACH SIDE OF SELF MATING BEAM THICKNESS AS BEAM WEB PLATE TO BE SAME THICKNESS AS BEAM WEB PLATE CAN BE INSIDE OR OUTSIDE BEAM OR LAP CUT DENOTES SCREW PATTERN NOT NUMBER OF SCREWS

d = HEIGHT OF BEAM
BEAM SPLICE SHALL BE MINIMUM $d - .50"$

HEIGHT $2 \times (d - .50")$ LENGTH

1" MAX.

1" MAX.

Screw Size	de	Minimum Distance and Spacing of Screws	Gusset Plate Thickness
#8	0.16	Edge To Center 2-1/2" (in.)	Beam Size Thickness
#10	0.19	Center To Center 2-1/2" (in.)	Beam Size Thickness
#12	0.21		Beam Size Thickness
#14 or 1/4"	0.25		Beam Size Thickness
5/16"	0.313		Beam Size Thickness

* Relates to each side of splice.
** Use for 2" x 4" and 2" x 6" also.
Note:
1. All gusset plates shall be a minimum 5052 H-32 Alloy or have a minimum yield of 23 ksi.

TYPICAL BEAM SPLICE DETAIL

SCALE: 1" = 1'-0"

Table 3A.1.1-110 Allowable Edge Beam Spans - Hollow Extrusions

For 3 second wind gust at 110 MPH velocity; using design load of 11 #SF (36 #SF for Max. Cantilever)
Aluminum Alloy 6063 T-6

2" x 3" x 0.045"					2" x 3" x 0.055"				
Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Max. Cantilever	Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Max. Cantilever
1 & 2 Span	5'-4" d	6'-7" d	6'-9" d	1'-1" d	1 & 2 Span	5'-8" d	6'-11" d	7'-1" d	1'-2" d
5	5'-0" d	6'-2" d	6'-4" d	1'-0" d	5	5'-4" d	6'-7" d	6'-8" d	1'-1" d
6	4'-9" d	5'-11" d	5'-11" b	0'-11" d	6	5'-1" d	6'-3" d	6'-4" d	1'-0" d
7	4'-7" d	5'-8" d	5'-7" d	0'-11" d	7	5'-1" d	6'-3" d	6'-4" d	1'-0" d
8	4'-5" d	5'-5" d	5'-3" b	0'-10" d	8	4'-10" d	5'-11" d	6'-1" b	0'-11" d
9	4'-3" d	5'-2" b	4'-11" b	0'-10" d	9	4'-8" d	5'-9" d	5'-9" b	0'-11" d
10	4'-1" d	4'-11" b	4'-9" b	0'-10" d	10	4'-6" d	5'-6" d	5'-5" b	0'-11" d
11	4'-1" d	4'-11" b	4'-9" b	0'-10" d	11	4'-4" d	5'-4" d	5'-2" b	0'-10" d
12	3'-11" d	4'-8" b	4'-7" b	0'-10" d	12	4'-3" d	5'-2" b	4'-11" b	0'-10" d
3" x 3" x 0.045"					3" x 3" x 0.070"				
Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Max. Cantilever	Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Max. Cantilever
1 & 2 Span	6'-0" d	7'-5" d	7'-7" d	1'-2" d	1 & 2 Span	6'-9" d	8'-5" d	8'-7" d	1'-4" d
5	5'-8" d	7'-0" d	7'-2" d	1'-2" d	5	6'-5" d	8'-0" d	8'-2" d	1'-3" d
6	5'-5" d	6'-8" d	6'-10" d	1'-1" d	6	6'-1" d	7'-6" d	7'-8" d	1'-3" d
7	5'-2" d	6'-4" d	6'-6" d	1'-0" d	7	5'-10" d	7'-2" d	7'-4" d	1'-2" d
8	4'-11" d	6'-2" d	6'-3" d	0'-11" d	8	5'-7" d	6'-11" d	7'-0" d	1'-1" d
9	4'-9" d	5'-11" b	5'-11" b	0'-11" d	9	5'-5" d	6'-8" d	6'-8" d	1'-1" d
10	4'-8" d	5'-9" d	5'-8" b	0'-11" d	10	5'-3" d	6'-5" d	6'-5" d	1'-0" d
11	4'-8" d	5'-9" d	5'-8" b	0'-11" d	11	5'-3" d	6'-5" d	6'-5" d	1'-0" d
12	4'-6" d	5'-7" d	5'-5" b	0'-11" d	12	5'-1" d	6'-3" d	6'-3" d	1'-0" d
2" x 2" x 0.045"					2" x 2" x 0.060"				
Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Max. Cantilever	Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Max. Cantilever
1 & 2 Span	7'-8" d	9'-3" d	9'-5" d	1'-6" d	1 & 2 Span	9'-8" d	11'-11" d	12'-2" b	1'-11" d
5	7'-6" d	8'-8" d	8'-8" b	1'-5" d	5	9'-1" d	11'-3" d	11'-1" b	1'-10" d
6	7'-4" d	8'-3" d	8'-1" b	1'-4" d	6	8'-9" d	10'-8" d	10'-3" b	1'-9" d
7	6'-6" d	7'-9" b	7'-6" b	1'-3" d	7	8'-3" d	9'-11" b	9'-7" b	1'-8" d
8	6'-5" d	7'-4" b	7'-1" b	1'-3" d	8	7'-1" d	9'-5" b	9'-1" b	1'-7" d
9	6'-2" d	7'-4" b	7'-1" b	1'-3" d	9	7'-1" d	9'-5" b	9'-1" b	1'-7" d
10	5'-11" d	6'-8" b	6'-8" b	1'-2" d	10	7'-8" d	8'-11" b	8'-7" b	1'-6" d
11	5'-9" d	6'-8" b	6'-5" b	1'-2" d	11	7'-6" d	8'-6" b	8'-2" b	1'-5" d
12	5'-7" d	6'-4" b	6'-2" b	1'-1" d	12	7'-3" d	8'-1" b	7'-10" b	1'-5" d

- Notes:
1. Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
 2. Spans may be interpolated.

Table 3A.1.1-120 Allowable Edge Beam Spans - Hollow Extrusions

For 3 second wind gust at 120 MPH velocity; using design load of 13 #SF (43 #SF for Max. Cantilever)
Aluminum Alloy 6063 T-6

2" x 2" x 0.044"						2" x 2" x 0.055"								
Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Cantilever	Max.	Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Cantilever	Max.			
5	5'-1" d	6'-3" d	6'-4" d	1'-0" d	5	5'-4" d	6'-7" d	6'-9" d	1'-1" d	5	5'-4" d	6'-7" d	6'-9" d	1'-1" d
6	4'-9" d	5'-10" d	5'-11" b	0'-11" d	6	5'-0" d	6'-3" d	6'-4" d	1'-0" d	6	4'-9" d	6'-3" d	6'-4" d	1'-0" d
7	4'-6" d	5'-7" d	5'-8" b	0'-11" d	7	4'-9" d	5'-11" d	5'-11" b	0'-11" d	7	4'-9" d	5'-11" d	5'-11" b	0'-11" d
8	4'-4" d	5'-4" b	5'-1" b	0'-10" d	8	4'-5" d	5'-8" d	5'-7" b	0'-11" d	8	4'-5" d	5'-8" d	5'-7" b	0'-11" d
9	4'-2" d	5'-1" b	4'-10" b	0'-10" d	9	4'-5" d	5'-5" d	5'-3" b	0'-10" d	9	4'-5" d	5'-5" d	5'-3" b	0'-10" d
10	4'-0" d	4'-9" b	4'-7" b	0'-10" d	10	4'-3" d	5'-2" b	5'-0" b	0'-10" d	10	4'-3" d	5'-2" b	5'-0" b	0'-10" d
11	3'-11" d	4'-6" b	4'-4" b	0'-9" d	11	4'-1" d	4'-11" b	4'-9" b	0'-10" d	11	4'-1" d	4'-11" b	4'-9" b	0'-10" d
12	3'-9" d	4'-4" b	4'-2" b	0'-9" d	12	3'-11" d	4'-9" b	4'-7" b	0'-10" d	12	3'-11" d	4'-9" b	4'-7" b	0'-10" d
3" x 2" x 0.045"						3" x 2" x 0.070"								
Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Cantilever	Max.	Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Cantilever	Max.			
5	5'-8" d	7'-1" d	7'-2" d	1'-2" d	5	6'-5" d	7'-11" d	8'-1" d	1'-3" d	5	6'-5" d	7'-11" d	8'-1" d	1'-3" d
6	5'-4" d	6'-8" d	6'-9" d	1'-1" d	6	6'-0" d	7'-5" d	7'-7" d	1'-2" d	6	6'-0" d	7'-5" d	7'-7" d	1'-2" d
7	5'-1" d	6'-4" d	6'-5" d	1'-0" d	7	5'-9" d	7'-1" d	7'-3" d	1'-2" d	7	5'-9" d	7'-1" d	7'-3" d	1'-2" d
8	4'-11" d	6'-0" d	6'-2" b	0'-11" d	8	5'-6" d	6'-9" d	6'-11" d	1'-1" d	8	5'-6" d	6'-9" d	6'-11" d	1'-1" d
9	4'-8" d	5'-10" d	5'-8" b	0'-11" d	9	5'-3" d	6'-6" d	6'-8" d	1'-1" d	9	5'-3" d	6'-6" d	6'-8" d	1'-1" d
10	4'-6" d	5'-7" d	5'-5" b	0'-11" d	10	5'-1" d	6'-3" d	6'-5" d	1'-0" d	10	5'-1" d	6'-3" d	6'-5" d	1'-0" d
11	4'-5" d	5'-5" d	5'-3" b	0'-10" d	11	4'-11" d	6'-1" d	6'-3" d	0'-11" d	11	4'-11" d	6'-1" d	6'-3" d	0'-11" d
12	4'-3" d	5'-2" b	5'-0" b	0'-10" d	12	4'-9" d	5'-11" d	5'-11" b	0'-11" d	12	4'-9" d	5'-11" d	5'-11" b	0'-11" d
2" x 3" x 0.045"						2" x 3" x 0.050"								
Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Cantilever	Max.	Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Cantilever	Max.			
5	5'-8" d	7'-1" d	7'-2" d	1'-2" d	5	6'-5" d	7'-11" d	8'-1" d	1'-3" d	5	6'-5" d	7'-11" d	8'-1" d	1'-3" d
6	5'-4" d	6'-8" d	6'-9" d	1'-1" d	6	6'-0" d	7'-5" d	7'-7" d	1'-2" d	6	6'-0" d	7'-5" d	7'-7" d	1'-2" d
7	5'-1" d	6'-4" d	6'-5" d	1'-0" d	7	5'-9" d	7'-1" d	7'-3" d	1'-2" d	7	5'-9" d	7'-1" d	7'-3" d	1'-2" d
8	4'-11" d	6'-0" d	6'-2" b	0'-11" d	8	5'-6" d	6'-9" d	6'-11" d	1'-1" d	8	5'-6" d	6'-9" d	6'-11" d	1'-1" d
9	4'-8" d	5'-10" d	5'-8" b	0'-11" d	9	5'-3" d	6'-6" d	6'-8" d	1'-1" d	9	5'-3" d	6'-6" d	6'-8" d	1'-1" d
10	4'-6" d	5'-7" d	5'-5" b	0'-11" d	10	5'-1" d	6'-3" d	6'-5" d	1'-0" d	10	5'-1" d	6'-3" d	6'-5" d	1'-0" d
11	4'-5" d	5'-5" d	5'-3" b	0'-10" d	11	4'-11" d	6'-1" d	6'-3" d	0'-11" d	11	4'-11" d	6'-1" d	6'-3" d	0'-11" d
12	4'-3" d	5'-2" b	5'-0" b	0'-10" d	12	4'-9" d	5'-11" d	5'-11" b	0'-11" d	12	4'-9" d	5'-11" d	5'-11" b	0'-11" d

- Notes:
1. Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
 2. Spans may be interpolated.

Table 3A.1.1-130 Allowable Edge Beam Spans - Hollow Extrusions

For 3 second wind gust at 130 MPH velocity; using design load of 15 #SF (50 #SF for Max. Cantilever)
Aluminum Alloy 6063 T-6

2" x 2" x 0.045"						2" x 2" x 0.055"					
Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Cantilever	Max.	Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Cantilever	Max.
5	4'-10" d	5'-11" d	6'-0" b	0'-11" d	5	5'-1" d	6'-4" d	6'-5" d	1'-0" d	5	5'-1" d
6	4'-6" d	5'-7" d	5'-6" b	0'-11" d	6	4'-10" d	5'-11" d	6'-0" b	0'-11" d	6	4'-10" d
7	4'-4" d	5'-3" d	5'-1" b	0'-10" d	7	4'-7" d	5'-8" d	5'-7" b	0'-11" d	7	4'-7" d
8	4'-1" d	4'-11" b	4'-9" b	0'-10" d	8	4'-4" d	5'-5" d	5'-3" b	0'-10" d	8	4'-2" d
9	3'-11" d	4'-8" b	4'-6" b	0'-9" d	9	4'-2" d	5'-1" d	4'-11" b	0'-10" d	9	4'-2" d
10	3'-10" d	4'-5" b	4'-3" b	0'-9" d	10	4'-1" d	4'-10" b	4'-8" b	0'-10" d	10	4'-1" d
11	3'-8" d	4'-3" b	4'-1" b	0'-9" d	11	3'-11" d	4'-7" b	4'-5" b	0'-9" d	11	3'-11" d
12	3'-7" d	4'-0" b	3'-11" b	0'-9" d	12	3'-10" d	4'-5" b	4'-3" b	0'-9" d	12	3'-10" d
3" x 2" x 0.045"						3" x 2" x 0.070"					
Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Cantilever	Max.	Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Cantilever	Max.
5	5'-5" d	6'-9" d	6'-10" d	1'-1" d	5	6'-1" d	7'-7" d	7'-8" d	1'-3" d	5	6'-1" d
6	5'-1" d	6'-4" d	6'-5" d	1'-0" d	6	5'-8" d	7'-1" d	7'-3" d	1'-2" d	6	5'-8" d
7	4'-10" d	6'-0" d	6'-1" b	0'-11" d	7	5'-6" d	6'-9" d	6'-11" d	1'-1" d	7	5'-6" d
8	4'-8" d	5'-9" d	5'-9" b	0'-11" d	8	5'-3" d	6'-5" d	6'-7" d	1'-0" d	8	5'-3" d
9	4'-6" d	5'-6" d	5'-5" b	0'-11" d	9	5'-0" d	6'-3" d	6'-4" d	0'-11" d	9	5'-0" d
10	4'-4" d	5'-3" b	5'-1" b	0'-11" d	10	4'-10" d	5'-11" d	6'-1" b	0'-11" d	10	4'-10" d
11	4'-2" d	5'-1" b	4'-11" b	0'-10" d	11	4'-8" d	5'-10" d	5'-10" b	0'-11" d	11	4'-8" d
12	4'-1" d	4'-10" b	4'-8" b	0'-10" d	12	4'-7" d	5'-8" d	5'-7" b	0'-11" d	12	4'-7" d
2" x 3" x 0.045"						2" x 4" x 0.030"					
Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Cantilever	Max.	Load Width (ft.)	Max. Span L / (bending to or deflection d)	3 Span	4 Span	Cantilever	Max.
5	6'-9" d	8'-4" d	8'-2" b	1'-4" d	5	8'-9" d	10'-9" b	10'-5" b	1'-9" d	5	8'-9" d
6	6'-4" d	7'-8" b	7'-5" b	1'-3" d	6	8'-3" d	9'-10" b	9'-6" b	1'-8" d	6	8'-3" d
7	6'-0" d	7'-2" b	6'-11" b	1'-2" d	7	7'-10" d	8'-11" b	8'-10" b	1'-7" d	7	7'-10" d
8	5'-9" d	6'-8" b	6'-5" b	1'-2" d	8	7'-6" d	8'-6" b	8'-3" b	1'-6" d	8	7'-6" d
9	5'-7" d	6'-3" b	6'-1" b	1'-1" d	9	7'-2" d	8'-0" b	7'-9" b	1'-5" d	9	7'-2" d
10	5'-4" b	5'-11" b	5'-9" b	1'-1" d	10	6'-10" b	7'-7" b	7'-4" b	1'-5" d	10	6'-10" b
11	5'-1" b	5'-8" b	5'-6" b	1'-0" d	11	6'-8" b	7'-3" b	7'-0" b	1'-4" d	11	6'-8" b
12	4'-10" b	5'-5" b	5'-3" b	0'-11" d	12	6'-3" b	6'-11" b	6'-9" b	1'-4" d	12	6'-3" b

- Notes:
1. Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
 2. Spans may be interpolated.

Table 3A.1.1-140A Allowable Edge Beam Spans - Hollow Extrusions

For 3 second wind gust at 140A MPH velocity; using design load of 17 #SF (58 #SF for Max. Cantilever)
Aluminum Alloy 6063 T-6

2' x 2' x 0.044"						2' x 2' x 0.055"						3' x 2' x 0.070"					
Load Width (ft.)	Max. Span L / (bending to or deflection d)				Load Width (ft.)	Max. Span L / (bending to or deflection d)				Load Width (ft.)	Max. Span L / (bending to or deflection d)						
	1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever			
5	4'-7" d	5'-8" d	5'-8" b	0'-11" d	5	4'-11" d	6'-0" d	6'-2" d	0'-11" d	5	4'-11" d	6'-0" d	6'-2" d	0'-11" d			
6	4'-4" d	5'-4" d	5'-2" b	0'-10" d	6	4'-7" d	5'-8" d	5'-8" b	0'-11" d	6	4'-7" d	5'-8" d	5'-8" b	0'-11" d			
7	4'-1" d	4'-11" b	4'-9" b	0'-10" d	7	4'-4" d	5'-5" d	5'-3" b	0'-10" d	7	4'-4" d	5'-5" d	5'-3" b	0'-10" d			
8	3'-10" d	4'-8" b	4'-6" b	0'-9" d	8	4'-2" d	5'-1" b	4'-11" b	0'-10" d	8	4'-2" d	5'-1" b	4'-11" b	0'-10" d			
9	3'-10" d	4'-4" b	4'-3" b	0'-9" d	9	4'-0" d	4'-9" b	4'-7" b	0'-9" d	9	4'-0" d	4'-9" b	4'-7" b	0'-9" d			
10	3'-6" d	4'-2" b	4'-0" b	0'-8" d	10	3'-11" d	4'-6" b	4'-5" b	0'-9" d	10	3'-11" d	4'-6" b	4'-5" b	0'-9" d			
11	3'-6" b	3'-11" b	3'-10" b	0'-8" d	11	3'-9" d	4'-4" b	4'-2" b	0'-9" d	11	3'-9" d	4'-4" b	4'-2" b	0'-9" d			
12	3'-5" b	3'-8" b	3'-8" b	0'-8" d	12	3'-8" d	4'-2" b	3'-11" b	0'-9" d	12	3'-8" d	4'-2" b	3'-11" b	0'-9" d			
2' x 2' x 0.045"					3' x 2' x 0.070"					2' x 2' x 0.050"							
Load Width (ft.)	Max. Span L / (bending to or deflection d)				Load Width (ft.)	Max. Span L / (bending to or deflection d)				Load Width (ft.)	Max. Span L / (bending to or deflection d)						
	1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever			
5	4'-11" d	6'-3" d	6'-7" d	1'-0" d	5	5'-10" d	7'-3" d	7'-5" d	1'-2" d	5	5'-10" d	7'-3" d	7'-5" d	1'-2" d			
6	4'-3" d	6'-1" d	6'-2" d	0'-11" d	6	5'-6" d	6'-10" d	6'-11" d	1'-1" d	6	5'-6" d	6'-10" d	6'-11" d	1'-1" d			
7	4'-8" d	5'-9" d	5'-9" b	0'-11" d	7	5'-3" d	6'-6" d	6'-7" d	1'-0" d	7	5'-3" d	6'-6" d	6'-7" d	1'-0" d			
8	4'-6" d	5'-6" d	5'-4" b	0'-11" d	8	5'-0" d	6'-2" d	6'-4" d	0'-11" d	8	5'-0" d	6'-2" d	6'-4" d	0'-11" d			
9	4'-3" d	5'-3" b	5'-1" b	0'-10" d	9	4'-10" d	5'-11" d	6'-0" b	0'-11" d	9	4'-10" d	5'-11" d	6'-0" b	0'-11" d			
10	4'-2" d	4'-11" b	4'-10" b	0'-9" d	10	4'-8" d	5'-9" d	5'-9" b	0'-11" d	10	4'-8" d	5'-9" d	5'-9" b	0'-11" d			
11	4'-0" d	4'-9" b	4'-7" b	0'-9" d	11	4'-6" d	5'-7" d	5'-5" b	0'-11" d	11	4'-6" d	5'-7" d	5'-5" b	0'-11" d			
12	3'-11" d	4'-6" b	4'-5" b	0'-9" d	12	4'-5" d	5'-5" b	5'-3" b	0'-10" d	12	4'-5" d	5'-5" b	5'-3" b	0'-10" d			
2' x 3' x 0.045"					3' x 2' x 0.050"					2' x 2' x 0.050"							
Load Width (ft.)	Max. Span L / (bending to or deflection d)				Load Width (ft.)	Max. Span L / (bending to or deflection d)				Load Width (ft.)	Max. Span L / (bending to or deflection d)						
	1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever			
5	4'-11" d	6'-3" d	6'-7" d	1'-0" d	5	5'-10" d	7'-3" d	7'-5" d	1'-2" d	5	5'-10" d	7'-3" d	7'-5" d	1'-2" d			
6	4'-3" d	6'-1" d	6'-2" d	0'-11" d	6	5'-6" d	6'-10" d	6'-11" d	1'-1" d	6	5'-6" d	6'-10" d	6'-11" d	1'-1" d			
7	4'-8" d	5'-9" d	5'-9" b	0'-11" d	7	5'-3" d	6'-6" d	6'-7" d	1'-0" d	7	5'-3" d	6'-6" d	6'-7" d	1'-0" d			
8	4'-6" d	5'-6" d	5'-4" b	0'-11" d	8	5'-0" d	6'-2" d	6'-4" d	0'-11" d	8	5'-0" d	6'-2" d	6'-4" d	0'-11" d			
9	4'-3" d	5'-3" b	5'-1" b	0'-10" d	9	4'-10" d	5'-11" d	6'-0" b	0'-11" d	9	4'-10" d	5'-11" d	6'-0" b	0'-11" d			
10	4'-2" d	4'-11" b	4'-10" b	0'-9" d	10	4'-8" d	5'-9" d	5'-9" b	0'-11" d	10	4'-8" d	5'-9" d	5'-9" b	0'-11" d			
11	4'-0" d	4'-9" b	4'-7" b	0'-9" d	11	4'-6" d	5'-7" d	5'-5" b	0'-11" d	11	4'-6" d	5'-7" d	5'-5" b	0'-11" d			
12	3'-11" d	4'-6" b	4'-5" b	0'-9" d	12	4'-5" d	5'-5" b	5'-3" b	0'-10" d	12	4'-5" d	5'-5" b	5'-3" b	0'-10" d			

Table 3A.1.2-110 Allowable Edge Beam Spans - Snap Sections

For Screen, Acrylic or Vinyl Rooms

For 3 second wind gust at 110 MPH velocity; using design load of 11 #SF (26 #SF for Max. Cantilever)

Aluminum Alloy 6063 T-6

2" x 2" x 0.044" Snap Extrusion					2" x 3" x 0.045" Snap Extrusion				
Load Width (ft.)	Max. Span L / (bending b' or deflection v')		1 & 2 Span		Load Width (ft.)	Max. Span L / (bending b' or deflection v')		1 & 2 Span	
	1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	6'-0" d	7'-5" d	7'-7" d	1'-2" d	5	8'-1" d	10'-0" d	10'-2" d	1'-7" d
6	5'-8" d	6'-11" d	7'-2" d	1'-2" d	6	7'-7" d	9'-5" d	9'-7" d	1'-5" d
7	5'-4" d	6'-8" d	6'-9" d	1'-1" d	7	7'-3" d	8'-11" d	8'-1" b	1'-5" d
8	5'-2" d	6'-4" d	6'-6" d	1'-0" d	8	6'-11" d	8'-7" d	8'-6" b	1'-5" d
9	4'-11" d	6'-1" d	6'-3" d	0'-11" d	9	6'-8" d	8'-3" d	8'-0" b	1'-4" d
10	4'-9" d	5'-11" d	5'-11" d	0'-11" d	10	6'-5" d	7'-10" b	7'-7" b	1'-3" d
11	4'-7" d	5'-8" d	5'-8" b	0'-11" d	11	6'-3" d	7'-6" b	7'-3" b	1'-3" d
12	4'-6" d	5'-7" d	5'-5" b	0'-11" d	12	6'-1" d	7'-2" b	6'-11" b	1'-2" d

Notes:

- Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
- Spans may be interpolated.

Table 3A.1.2-120 Allowable Edge Beam Spans - Snap Sections

For Screen, Acrylic or Vinyl Rooms

For 3 second wind gust at 120 MPH velocity; using design load of 13 #SF (43 #SF for Max. Cantilever)

Aluminum Alloy 6063 T-6

2" x 2" x 0.044" Snap Extrusion					2" x 3" x 0.045" Snap Extrusion				
Load Width (ft.)	Max. Span L / (bending b' or deflection v')		1 & 2 Span		Load Width (ft.)	Max. Span L / (bending b' or deflection v')		1 & 2 Span	
	1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	5'-8" d	7'-0" d	7'-2" d	1'-2" d	5	7'-8" d	9'-6" d	9'-4" b	1'-5" d
6	5'-4" d	6'-7" d	6'-9" d	1'-1" d	6	7'-2" d	8'-11" d	8'-0" b	1'-5" d
7	5'-1" d	6'-3" d	6'-5" d	1'-0" d	7	6'-10" d	8'-5" d	8'-4" b	1'-4" d
8	4'-10" d	6'-0" d	6'-1" b	0'-11" d	8	6'-7" d	8'-1" d	7'-10" b	1'-4" d
9	4'-8" d	5'-9" d	5'-9" b	0'-11" d	9	6'-4" d	7'-8" b	7'-4" b	1'-3" d
10	4'-6" d	5'-7" d	5'-6" b	0'-11" d	10	6'-1" d	7'-3" b	6'-11" b	1'-3" d
11	4'-4" d	5'-5" b	5'-2" b	0'-10" d	11	5'-11" d	6'-11" b	6'-8" b	1'-2" d
12	4'-3" d	5'-2" b	4'-11" b	0'-10" d	12	5'-9" d	6'-7" b	6'-5" b	1'-2" d

Notes:

- Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
- Spans may be interpolated.

Table 3A.1.2-130 Allowable Edge Beam Spans - Snap Sections

For Screen, Acrylic or Vinyl Rooms

For 3 second wind gust at 130 MPH velocity; using design load of 15 #SF (50 #SF for Max. Cantilever)

Aluminum Alloy 6063 T-6

2" x 2" x 0.044" Snap Extrusion					2" x 3" x 0.045" Snap Extrusion				
Load Width (ft.)	Max. Span L / (bending b' or deflection v')		1 & 2 Span		Load Width (ft.)	Max. Span L / (bending b' or deflection v')		1 & 2 Span	
	1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	5'-5" d	6'-8" d	6'-10" d	1'-1" d	5	7'-4" d	9'-0" d	9'-2" d	1'-5" d
6	5'-1" d	6'-4" d	6'-5" d	1'-0" d	6	6'-10" d	8'-6" d	8'-5" b	1'-4" d
7	4'-10" d	6'-1" d	6'-1" b	0'-11" d	7	6'-6" d	8'-1" b	7'-9" b	1'-4" d
8	4'-5" d	5'-9" d	5'-8" b	0'-11" d	8	6'-3" d	7'-6" b	7'-3" b	1'-3" d
9	4'-5" d	5'-6" d	5'-4" b	0'-11" d	9	6'-0" d	7'-1" b	6'-10" b	1'-2" d
10	4'-4" d	5'-3" b	5'-1" b	0'-10" d	10	5'-10" d	6'-9" b	6'-6" b	1'-2" d
11	4'-2" d	5'-0" b	4'-10" b	0'-10" d	11	5'-7" d	6'-5" b	6'-3" b	1'-1" d
12	4'-1" d	4'-10" b	4'-8" b	0'-10" d	12	5'-5" d	6'-2" b	5'-11" b	1'-1" d

Notes:

- Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
- Spans may be interpolated.

Table 3A.1.2-140A

Allowable Edge Beam Spans - Snap Sections

For Screen, Acrylic or Vinyl Rooms

For 3 second wind gust at 140A MPH velocity; using design load of 17 #SF (58 #SF for Max. Cantilever)

Aluminum Alloy 6063 T-6

2" x 2" x 0.044" Snap Extrusion					2" x 3" x 0.045" Snap Extrusion				
Load Width (ft.)	Max. Span L / (bending b' or deflection v')		1 & 2 Span		Load Width (ft.)	Max. Span L / (bending b' or deflection v')		1 & 2 Span	
	1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	5'-2" d	6'-5" d	6'-7" d	1'-0" d	5	7'-0" d	8'-8" d	8'-8" b	1'-5" d
6	4'-11" d	6'-1" d	6'-2" d	0'-11" d	6	6'-7" d	8'-2" d	7'-11" b	1'-4" d
7	4'-8" d	5'-8" d	5'-8" b	0'-11" d	7	6'-3" d	7'-7" b	7'-4" b	1'-3" d
8	4'-5" d	5'-6" d	5'-4" b	0'-10" d	8	5'-11" d	7'-1" b	6'-10" b	1'-2" d
9	4'-2" d	4'-11" b	5'-0" b	0'-10" d	9	5'-9" d	6'-8" b	6'-5" b	1'-2" d
10	4'-2" d	4'-9" b	4'-7" b	0'-10" d	10	5'-7" d	6'-4" b	6'-1" b	1'-1" d
11	3'-11" d	4'-8" b	4'-7" b	0'-9" d	11	5'-5" d	6'-0" b	5'-10" b	1'-1" d
12	3'-11" d	4'-6" b	4'-4" b	0'-9" d	12	5'-2" b	5'-9" b	5'-7" b	1'-0" d

Notes:

- Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
- Spans may be interpolated.

Table 3A.1.3-110
Allowable Beam Spans for Miscellaneous Framing Beams for Screen, Acrylic or Vinyl Rooms
 For 3 second wind gust at 110 MPH velocity; using design load of 11 #/SF
 Aluminum Alloy 6063 T-6

Hollow and Single Self-Mating Beams	Tributary Load Width											
	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"
2" x 4" x 0.050" Hollow	12'-2" d	11'-6"	10'-11"	10'-5"	10'-0"	9'-5"	9'-0"	8'-5"	8'-1"	7'-8"	7'-4"	7'-0"
2" x 5" x 0.050" Hollow	15'-6"	14'-10"	13'-6"	12'-2"	12'-5"	12'-1"	11'-8"	11'-5"	11'-2"	10'-11"	10'-8"	10'-5"
2" x 4" x 0.044" x 0.100"	13'-8"	12'-10"	12'-2"	11'-8"	11'-2"	10'-10"	10'-2"	9'-11"	9'-8"	8'-5"	8'-3"	8'-0"
2" x 5" x 0.050" x 0.100"	16'-11"	15'-11"	15'-1"	14'-5"	13'-11"	13'-5"	12'-11"	12'-3"	11'-11"	11'-9"	11'-6"	11'-3"
2" x 6" x 0.055" x 0.120"	22'-5"	21'-2"	20'-2"	19'-3"	18'-5"	17'-10"	17'-4"	16'-10"	16'-5"	15'-11"	15'-7"	15'-3"
2" x 7" x 0.055" w/ insert	27'-11"	26'-3"	24'-4"	23'-3"	22'-4"	21'-7"	20'-11"	20'-4"	19'-8"	19'-4"	18'-10"	18'-6"
2" x 8" x 0.072" x 0.224"	30'-7"	28'-10"	27'-4"	26'-2"	25'-2"	24'-4"	23'-10"	23'-5"	23'-0"	22'-5"	22'-0"	21'-6"
2" x 9" x 0.082" x 0.306"	31'-9"	29'-10"	28'-4"	26'-1"	25'-2"	24'-5"	23'-8"	23'-3"	22'-8"	22'-3"	21'-8"	21'-3"
2" x 10" x 0.092" x 0.369"	38'-2"	35'-11"	34'-1"	32'-8"	31'-5"	30'-4"	29'-4"	28'-6"	27'-9"	27'-1"	26'-5"	25'-11"

Double Self-Mating Beams	Tributary Load Width											
	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"
2" x 6" x 0.072" x 0.224"	35'-2"	33'-1"	31'-5"	30'-1"	28'-11"	27'-11"	27'-0"	26'-3"	25'-7"	24'-11"	24'-5"	23'-10"
2" x 8" x 0.072" x 0.224"	38'-7"	36'-4"	34'-6"	32'-11"	31'-9"	30'-7"	29'-8"	28'-10"	28'-1"	27'-4"	26'-9"	26'-2"
2" x 9" x 0.082" x 0.306"	41'-1"	38'-8"	36'-8"	35'-1"	33'-9"	32'-7"	31'-7"	30'-8"	29'-10"	28'-1"	28'-5"	27'-10"
2" x 10" x 0.092" x 0.369"	48'-1"	45'-3"	42'-11"	41'-1"	39'-6"	38'-2"	36'-11"	35'-11"	34'-11"	34'-1"	33'-4"	32'-8"

Table 3A.1.3-120
Allowable Beam Spans for Miscellaneous Framing Beams for Screen, Acrylic or Vinyl Rooms
 For 3 second wind gust at 120 MPH velocity; using design load of 13 #/SF
 Aluminum Alloy 6063 T-6

Hollow and Single Self-Mating Beams	Tributary Load Width											
	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"
2" x 4" x 0.050" Hollow	11'-7"	10'-10"	10'-4"	9'-10"	9'-5"	9'-2"	8'-11"	8'-7"	8'-5"	8'-2"	8'-0"	7'-10"
2" x 5" x 0.050" Hollow	14'-11"	14'-0"	13'-4"	12'-9"	12'-3"	11'-10"	11'-5"	11'-1"	10'-10"	10'-7"	10'-4"	10'-1"
2" x 4" x 0.044" x 0.100"	12'-11"	12'-2"	11'-6"	11'-0"	10'-7"	10'-3"	9'-11"	9'-8"	9'-5"	8'-2"	8'-1"	7'-11"
2" x 5" x 0.050" x 0.100"	16'-11"	15'-0"	14'-3"	13'-8"	13'-2"	12'-8"	12'-3"	11'-11"	11'-7"	11'-4"	11'-1"	10'-10"
2" x 6" x 0.050" x 0.120"	18'-8"	17'-7"	16'-9"	15'-11"	15'-4"	14'-5"	13'-11"	13'-7"	13'-3"	12'-11"	12'-8"	12'-5"
2" x 7" x 0.055" w/ insert	21'-4"	20'-1"	19'-0"	18'-3"	17'-6"	16'-11"	16'-5"	15'-11"	15'-6"	15'-1"	14'-9"	14'-5"
2" x 8" x 0.072" x 0.224"	26'-5"	24'-10"	23'-7"	22'-7"	21'-8"	20'-5"	19'-9"	19'-3"	18'-9"	18'-3"	17'-10"	17'-6"
2" x 9" x 0.082" x 0.306"	30'-0"	28'-3"	26'-11"	25'-8"	24'-6"	23'-10"	22'-11"	22'-3"	21'-8"	21'-4"	20'-7"	20'-4"
2" x 10" x 0.092" x 0.369"	36'-1"	33'-11"	32'-3"	30'-10"	28'-6"	27'-8"	26'-11"	26'-3"	25'-7"	25'-0"	24'-6"	24'-5"

Double Self-Mating Beams	Tributary Load Width											
	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"
2" x 8" x 0.072" x 0.224"	33'-3"	31'-4"	29'-9"	28'-5"	27'-4"	26'-5"	25'-7"	24'-10"	24'-2"	23'-1"	23'-1"	22'-7"
2" x 9" x 0.072" x 0.224"	36'-6"	34'-4"	32'-7"	31'-2"	29'-11"	28'-11"	28'-1"	27'-3"	26'-6"	25'-11"	25'-4"	24'-9"
2" x 9" x 0.082" x 0.306"	38'-10"	36'-5"	34'-8"	33'-2"	31'-11"	30'-10"	29'-10"	28'-11"	28'-3"	27'-7"	26'-11"	26'-4"
2" x 10" x 0.092" x 0.369"	45'-5"	42'-10"	40'-8"	38'-11"	37'-5"	36'-1"	34'-11"	33'-11"	33'-1"	32'-3"	31'-5"	30'-10"

Table 3A.1.3-130
Allowable Beam Spans for Miscellaneous Framing Beams for Screen, Acrylic or Vinyl Rooms
 For 3 second wind gust at 130 MPH velocity; using design load of 15 #/SF
 Aluminum Alloy 6063 T-6

Hollow and Single Self-Mating Beams	Tributary Load Width											
	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"
2" x 4" x 0.050" Hollow	11'-0"	10'-4"	9'-10"	9'-5"	9'-1"	8'-9"	8'-6"	8'-3"	8'-0"	7'-10"	7'-8"	7'-6"
2" x 5" x 0.050" Hollow	14'-2"	13'-4"	12'-8"	12'-2"	11'-8"	11'-3"	10'-11"	10'-7"	10'-4"	10'-1"	9'-10"	9'-8"
2" x 4" x 0.044" x 0.100"	12'-4"	11'-7"	10'-11"	10'-6"	10'-1"	9'-9"	9'-5"	9'-2"	8'-11"	8'-9"	8'-6"	8'-4"
2" x 5" x 0.050" x 0.100"	15'-3"	14'-4"	13'-7"	13'-0"	12'-8"	12'-1"	11'-9"	11'-5"	11'-1"	10'-10"	10'-7"	10'-4"
2" x 6" x 0.050" x 0.120"	17'-10"	16'-9"	15'-11"	15'-4"	14'-8"	14'-2"	13'-9"	13'-4"	12'-11"	12'-8"	12'-4"	12'-1"
2" x 7" x 0.055" w/ insert	20'-4"	19'-1"	18'-2"	17'-4"	16'-8"	16'-1"	15'-7"	15'-2"	14'-9"	14'-5"	14'-1"	13'-9"
2" x 8" x 0.072" x 0.224"	24'-6"	23'-1"	21'-11"	20'-11"	20'-2"	19'-6"	18'-10"	18'-4"	17'-10"	17'-0"	16'-8"	16'-5"
2" x 9" x 0.082" x 0.306"	28'-7"	26'-11"	24'-8"	23'-7"	22'-8"	22'-1"	21'-3"	20'-7"	20'-1"	19'-7"	19'-2"	18'-9"
2" x 10" x 0.092" x 0.369"	34'-5"	32'-5"	30'-9"	29'-5"	28'-4"	27'-4"	26'-9"	26'-0"	25'-4"	24'-5"	23'-10"	23'-4"

Double Self-Mating Beams	Tributary Load Width											
	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"
2" x 6" x 0.072" x 0.224"	31'-8"	29'-10"	28'-4"	27'-1"	26'-1"	25'-2"	24'-5"	23'-8"	23'-1"	22'-6"	21'-11"	21'-6"
2" x 8" x 0.072" x 0.224"	34'-9"	32'-9"	31'-1"	29'-9"	28'-7"	27'-7"	26'-9"	25'-11"	25'-4"	24'-8"	24'-1"	23'-7"
2" x 8" x 0.082" x 0.306"	37'-0"	34'-10"	33'-1"	31'-8"	30'-5"	29'-5"	28'-6"	27'-8"	26'-11"	26'-3"	25'-7"	25'-1"
2" x 10" x 0.092" x 0.369"	43'-4"	40'-10"	38'-9"	37'-1"	35'-8"	34'-5"	33'-4"	32'-5"	31'-6"	30'-9"	30'-1"	29'-5"

- Note:
1. It is recommended that the engineer be consulted on any miscellaneous framing beam that spans more than 40'.
 2. Spans are based on 130 M.P.H. wind load plus dead load for framing.
 3. Span is measured from center of connection to fascia or wall connection.
 4. Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
 5. Spans may be interpolated.

Table 3A.1.3-140A
Allowable Beam Spans for Miscellaneous Framing Beams for Screen, Acrylic or Vinyl Rooms
 For 3 second wind gust at 140A MPH velocity; using design load of 17 #/SF
 Aluminum Alloy 6063 T-6

Hollow and Single Self-Mating Beams	Tributary Load Width											
	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"
2" x 4" x 0.050" Hollow	10'-7"	9'-11"	9'-5"	9'-0"	8'-5"	8'-1"	7'-11"	7'-8"	7'-6"	7'-4"	7'-2"	7'-0"
2" x 5" x 0.050" Hollow	13'-7"	12'-10"	12'-2"	11'-8"	11'-2"	10'-10"	10'-6"	10'-2"	9'-11"	9'-8"	9'-5"	9'-3"
2" x 4" x 0.044" x 0.100"	11'-9"	11'-1"	10'-6"	10'-1"	9'-8"	9'-4"	8'-10"	8'-7"	8'-4"	8'-2"	8'-0"	7'-10"
2" x 5" x 0.050" x 0.100"	14'-7"	13'-9"	13'-1"	12'-6"	12'-0"	11'-7"	11'-3"	10'-11"	10'-8"	10'-4"	10'-2"	9'-11"
2" x 6" x 0.055" x 0.120"	17'-1"	16'-1"	15'-3"	14'-7"	14'-1"	13'-7"	13'-2"	12'-9"	12'-5"	12'-2"	11'-10"	11'-7"
2" x 7" x 0.055" w/ insert	19'-6"	18'-4"	17'-5"	16'-9"	16'-0"	15'-6"	14'-11"	14'-7"	14'-2"	13'-10"	13'-6"	13'-3"
2" x 8" x 0.072" x 0.224"	23'-6"	22'-2"	21'-0"	20'-1"	19'-4"	18'-9"	18'-1"	17'-7"	17'-1"	16'-9"	16'-4"	15'-11"
2" x 9" x 0.082" x 0.306"	26'-5"	24'-11"	23'-8"	22'-9"	22'-2"	21'-9"	21'-0"	20'-4"	19'-9"	19'-3"	18'-9"	18'-5"
2" x 10" x 0.092" x 0.369"	33'-0"	31'-1"	29'-6"	28'-3"	27'-2"	26'-2"	25'-5"	24'-8"	24'-0"	23'-5"	22'-11"	22'-5"

Double Self-Mating Beams	Tributary Load Width											
	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"
2" x 6" x 0.072" x 0.224"	30'-5"	28'-7"	27'-2"	25'-11"	24'-11"	24'-2"	23'-5"	22'-9"	22'-1"	21'-7"	21'-1"	20'-8"
2" x 8" x 0.072" x 0.224"	33'-4"	31'-5"	29'-10"	28'-6"	27'-5"	26'-6"	25'-8"	24'-11"	24'-3"	23'-2"	22'-8"	22'-4"
2" x 9" x 0.082" x 0.306"	35'-6"	33'-5"	31'-9"	30'-4"	29'-2"	28'-2"	27'-4"	26'-6"	25'-10"	25'-2"	24'-7"	24'-3"
2" x 10" x 0.092" x 0.369"	41'-7"	39'-2"	37'-2"	35'-7"	34'-2"	33'-0"	31'-11"	31'-1"	30'-3"	29'-6"	28'-10"	28'-3"

Table 3A.1.4-110
Allowable Spans for Ridge Beams with Self Mating Beams
 for Screen, Acrylic or Vinyl Rooms
 For 3 second wind gust at 110 MPH velocity; using design load of 11 #/SF

Self Mating Sections	Tributary Load Width "w" = Purlin Spacing											
	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"
2" x 4" x 0.044 x 0.100"	14'-6"	13'-6"	12'-6"	11'-8"	11'-0"	10'-5"	9'-11"	9'-6"	9'-1"	8'-6"	8'-1"	7'-11"
2" x 5" x 0.050 x 0.100"	17'-11"	16'-8"	15'-5"	14'-5"	13'-7"	12'-11"	12'-4"	11'-9"	11'-4"	10'-11"	10'-6"	10'-1"
2" x 6" x 0.050 x 0.120"	21'-0"	19'-3"	17'-10"	16'-8"	15'-9"	14'-11"	14'-3"	13'-8"	13'-3"	12'-11"	12'-4"	11'-9"
2" x 7" x 0.055 w/ insert	23'-9"	21'-9"	20'-1"	18'-10"	17'-9"	16'-10"	16'-0"	15'-4"	14'-9"	14'-2"	13'-7"	13'-2"
2" x 8" x 0.072 x 0.224"	29'-8"	27'-11"	25'-11"	24'-4"	23'-7"	22'-5"	21'-4"	20'-9"	20'-4"	19'-10"	18'-11"	18'-6"
2" x 9" x 0.082 x 0.306"	32'-7"	30'-5"	28'-2"	26'-4"	24'-10"	23'-7"	22'-6"	21'-9"	21'-4"	20'-7"	20'-2"	19'-7"
2" x 10" x 0.092 x 0.369"	40'-7"	38'-3"	36'-4"	34'-9"	32'-9"	32'-3"	31'-1"	30'-5"	29'-8"	28'-5"	27'-10"	26'-5"

- Note:
1. Tables assume extrusion oriented with longer extrusion dimension parallel to applied load.
 2. Spans may be interpolated.

Table 3A.1.4-120
Allowable Spans for Ridge Beams with Self Mating Beams
 for Screen, Acrylic or Vinyl Rooms
 For 3 second wind gust at 120 MPH velocity; using design load of 13 #/SF

Self Mating Sections	Tributary Load Width "w" = Purlin Spacing											
	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"
2" x 4" x 0.044 x 0.100"	13'-7"	12'-5"	11'-5"	10'-9"	10'-1"	9'-7"	8'-11"	8'-7"	8'-2"	7'-8"	7'-4"	7'-0"
2" x 5" x 0.050 x 0.100"	16'-10"	15'-4"	14'-2"	13'-3"	12'-8"	12'-1"	11'-11"	11'-4"	10'-10"	10'-7"	10'-4"	10'-1"

Table 3A.2.1 Allowable Upright Heights, Chair Rail Spans or Header Spans for Screen, Acrylic or Vinyl Rooms

Aluminum Alloy 6063 T-6												
For 3 second wind gust at 110 MPH velocity; using design load of 11 #/SF												
Sections	Tributary Load Width W _r = Purlin Spacing											
	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"
2" x 2" x 0.044" Hollow	9'-5" b	8'-9" b	8'-2" b	7'-8" b	7'-4" b	6'-11" b	6'-3" b	6'-5" b	6'-2" b	5'-11" b	5'-5" b	5'-1" b
2" x 2" x 0.055" Hollow	10'-3" b	9'-5" b	8'-1" b	7'-5" b	7'-1" b	6'-5" b	7'-3" b	6'-9" b	6'-6" b	6'-9" b	6'-6" b	6'-6" b
3" x 2" x 0.045" Hollow	11'-3" b	10'-5" b	9'-9" b	9'-3" b	8'-9" b	8'-4" b	7'-11" b	7'-5" b	7'-8" b	7'-2" b	7'-2" b	7'-2" b
3" x 2" x 0.070" Hollow	12'-9" d	12'-2" d	11'-7" d	10'-11" b	10'-5" b	9'-11" b	9'-5" b	9'-2" b	8'-10" b	8'-5" b	8'-5" b	8'-5" b
2" x 4" x 0.045" Hollow	12'-9" b	11'-9" b	11'-0" b	10'-5" b	10'-5" b	9'-11" b	8'-11" b	8'-5" b	8'-4" b	8'-1" b	8'-1" b	8'-1" b
2" x 4" x 0.050" Hollow	16'-3" b	15'-1" b	14'-1" b	13'-3" b	12'-7" b	12'-0" b	11'-6" b	10'-7" b	10'-8" b	10'-3" b	9'-5" b	9'-5" b
2" x 4" x 0.046" S.M.B.	19'-1" b	17'-8" b	16'-6" b	15'-7" b	15'-3" b	14'-1" b	13'-6" b	12'-11" b	12'-11" b	12'-6" b	12'-1" b	12'-1" b
2" x 5" x 0.050" S.M.B.	23'-7" b	21'-10" b	20'-5" b	19'-3" b	18'-3" b	17'-5" b	16'-8" b	16'-0" b	16'-0" b	15'-5" b	14'-11" b	14'-11" b
2" x 6" x 0.050" S.M.B.	26'-1" b	24'-2" b	22'-7" b	21'-3" b	20'-2" b	19'-3" b	18'-5" b	18'-5" b	17'-9" b	17'-9" b	16'-5" b	16'-5" b
2" x 2" x 0.044" Snap	11'-3" b	10'-5" b	9'-9" b	9'-2" b	8'-6" b	8'-5" b	7'-11" b	7'-11" b	7'-4" b	7'-4" b	6'-9" b	6'-9" b
2" x 3" x 0.045" Snap	14'-4" b	13'-4" b	12'-5" b	11'-9" b	11'-2" b	10'-7" b	10'-7" b	10'-2" b	9'-9" b	9'-1" b	8'-4" b	8'-4" b
2" x 4" x 0.045" Snap	17'-7" b	16'-3" b	15'-3" b	14'-4" b	13'-7" b	12'-11" b	12'-5" b	11'-11" b	11'-6" b	11'-6" b	10'-7" b	10'-3" b
For 3 second wind gust at 120 MPH velocity; using design load of 13 #/SF												
Sections	Tributary Load Width W _r = Purlin Spacing											
	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"
2" x 2" x 0.044" Hollow	8'-6" b	8'-0" b	7'-6" b	7'-1" b	6'-8" b	6'-3" b	6'-1" b	5'-11" b	5'-8" b	5'-8" b	5'-8" b	5'-8" b
2" x 2" x 0.055" Hollow	9'-5" b	8'-9" b	8'-2" b	7'-8" b	7'-4" b	6'-11" b	6'-8" b	6'-5" b	6'-2" b	6'-2" b	6'-2" b	6'-2" b
3" x 2" x 0.045" Hollow	10'-5" b	9'-7" b	9'-1" b	8'-6" b	8'-1" b	7'-4" b	7'-4" b	7'-1" b	6'-10" b	6'-7" b	6'-7" b	6'-7" b
3" x 2" x 0.070" Hollow	12'-1" d	11'-5" d	10'-8" b	10'-1" b	9'-2" b	8'-9" b	8'-2" b	8'-9" b	8'-5" b	8'-5" b	8'-5" b	8'-5" b
2" x 4" x 0.045" Hollow	12'-10" b	11'-11" b	11'-2" b	10'-6" b	9'-11" b	9'-5" b	9'-1" b	8'-9" b	8'-5" b	8'-5" b	8'-5" b	8'-5" b
2" x 4" x 0.050" Hollow	14'-11" b	13'-10" b	12'-11" b	12'-2" b	11'-7" b	11'-0" b	10'-7" b	10'-7" b	9'-9" b	9'-9" b	9'-5" b	9'-5" b
2" x 4" x 0.046" S.M.B.	17'-6" b	16'-3" b	15'-2" b	14'-4" b	13'-7" b	12'-11" b	12'-5" b	11'-11" b	11'-6" b	11'-6" b	11'-1" b	11'-1" b
2" x 5" x 0.050" S.M.B.	21'-6" b	20'-1" b	18'-9" b	17'-9" b	16'-10" b	16'-0" b	15'-4" b	14'-9" b	14'-2" b	13'-9" b	13'-9" b	13'-9" b
2" x 6" x 0.050" S.M.B.	23'-11" b	22'-2" b	20'-9" b	19'-7" b	18'-7" b	17'-9" b	16'-11" b	16'-3" b	15'-8" b	15'-2" b	15'-2" b	15'-2" b
2" x 2" x 0.044" Snap	10'-4" b	9'-7" b	9'-1" b	8'-5" b	8'-1" b	7'-7" b	7'-7" b	7'-0" b	6'-9" b	6'-9" b	6'-6" b	6'-6" b
2" x 3" x 0.045" Snap	13'-3" b	12'-3" b	11'-5" b	10'-9" b	10'-3" b	9'-9" b	9'-4" b	8'-11" b	8'-8" b	8'-4" b	8'-4" b	8'-4" b
2" x 4" x 0.045" Snap	16'-2" b	14'-11" b	14'-0" b	13'-2" b	12'-6" b	11'-11" b	11'-5" b	10'-11" b	10'-7" b	10'-7" b	10'-3" b	10'-3" b

Notes:
1. Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
2. Spans may be interpolated.

Table 3A.2.2 Allowable Upright Heights, Chair Rail Spans or Header Spans for Screen, Acrylic or Vinyl Rooms

Aluminum Alloy 6063 T-6												
For 3 second wind gust at 130 MPH velocity; using design load of 15 #/SF												
Sections	Tributary Load Width W _r = Purlin Spacing											
	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"
2" x 2" x 0.044" Hollow	8'-1" b	7'-6" b	6'-11" b	6'-7" b	6'-1" b	5'-11" b	5'-8" b	5'-8" b	5'-3" b	5'-1" b	5'-1" b	5'-1" b
2" x 2" x 0.055" Hollow	8'-10" b	6'-2" b	7'-7" b	6'-7" b	6'-10" b	6'-6" b	6'-3" b	5'-11" b	5'-9" b	5'-7" b	5'-7" b	5'-7" b
3" x 2" x 0.045" Hollow	9'-4" b	8'-11" b	8'-4" b	7'-11" b	7'-6" b	7'-2" b	6'-10" b	6'-7" b	6'-4" b	6'-1" b	6'-1" b	6'-1" b
3" x 2" x 0.070" Hollow	11'-6" b	10'-8" b	9'-1" b	9'-5" b	8'-11" b	8'-6" b	8'-2" b	7'-10" b	7'-6" b	7'-3" b	7'-3" b	7'-3" b
2" x 4" x 0.045" Hollow	10'-11" b	10'-1" b	9'-5" b	8'-11" b	8'-5" b	8'-1" b	7'-8" b	7'-5" b	7'-2" b	6'-11" b	6'-11" b	6'-11" b
2" x 4" x 0.050" Hollow	13'-11" b	12'-11" b	12'-1" b	11'-4" b	10'-9" b	10'-3" b	9'-10" b	9'-5" b	8'-11" b	8'-10" b	8'-10" b	8'-10" b
2" x 4" x 0.046" S.M.B.	16'-4" b	15'-1" b	14'-2" b	13'-4" b	12'-6" b	12'-4" b	11'-6" b	11'-4" b	10'-8" b	10'-4" b	10'-4" b	10'-4" b
2" x 5" x 0.050" S.M.B.	20'-2" b	18'-4" b	17'-6" b	16'-6" b	15'-8" b	14'-11" b	14'-3" b	13'-9" b	13'-3" b	12'-9" b	12'-9" b	12'-9" b
2" x 6" x 0.050" S.M.B.	22'-4" b	20'-8" b	19'-4" b	18'-3" b	17'-3" b	16'-5" b	15'-9" b	15'-2" b	14'-7" b	14'-1" b	14'-1" b	14'-1" b
2" x 2" x 0.044" Snap	9'-7" b	8'-11" b	8'-4" b	7'-10" b	7'-5" b	7'-1" b	6'-9" b	6'-8" b	6'-3" b	6'-1" b	6'-1" b	6'-1" b
2" x 3" x 0.045" Snap	12'-4" b	11'-5" b	10'-8" b	10'-1" b	9'-6" b	9'-1" b	8'-6" b	8'-4" b	8'-1" b	7'-9" b	7'-9" b	7'-9" b
2" x 4" x 0.045" Snap	15'-1" b	13'-11" b	13'-0" b	12'-4" b	11'-4" b	11'-1" b	10'-8" b	10'-3" b	9'-10" b	9'-6" b	9'-6" b	9'-6" b
For 3 second wind gust at 140A MPH velocity; using design load of 17 #/SF												
Sections	Tributary Load Width W _r = Purlin Spacing											
	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"
2" x 2" x 0.044" Hollow	7'-7" b	7'-0" b	6'-1" b	6'-2" b	5'-10" b	5'-7" b	5'-4" b	5'-2" b	4'-11" b	4'-9" b	4'-9" b	4'-9" b
2" x 2" x 0.055" Hollow	8'-3" b	7'-8" b	7'-2" b	6'-9" b	6'-5" b	6'-1" b	5'-10" b	5'-7" b	5'-5" b	5'-3" b	5'-3" b	5'-3" b
3" x 2" x 0.045" Hollow	9'-1" b	8'-5" b	7'-10" b	7'-5" b	7'-0" b	6'-8" b	6'-5" b	6'-2" b	5'-11" b	5'-9" b	5'-9" b	5'-9" b
3" x 2" x 0.070" Hollow	10'-10" b	10'-0" b	9'-4" b	8'-10" b	8'-5" b	8'-0" b	7'-8" b	7'-4" b	7'-1" b	6'-10" b	6'-10" b	6'-10" b
2" x 4" x 0.045" Hollow	11'-3" b	10'-5" b	9'-9" b	9'-2" b	8'-8" b	8'-4" b	7'-11" b	7'-8" b	7'-4" b	7'-1" b	7'-1" b	7'-1" b
2" x 4" x 0.050" Hollow	13'-1" b	12'-1" b	11'-4" b	10'-8" b	10'-1" b	9'-6" b	9'-3" b	8'-11" b	8'-7" b	8'-3" b	8'-3" b	8'-3" b
2" x 4" x 0.046" S.M.B.	15'-4" b	14'-2" b	13'-3" b	12'-6" b	12'-6" b	11'-11" b	11'-4" b	10'-10" b	10'-5" b	10'-0" b	9'-8" b	9'-8" b
2" x 5" x 0.050" S.M.B.	18'-11" b	17'-7" b	16'-5" b	15'-6" b	14'-8" b	14'-0" b	13'-5" b	12'-11" b	12'-5" b	12'-1" b	11'-11" b	11'-11" b
2" x 6" x 0.050" S.M.B.	20'-11" b	19'-5" b	18'-2" b	17'-1" b	16'-3" b	15'-6" b	14'-10" b	14'-3" b	13'-9" b	13'-3" b	13'-3" b	13'-3" b
2" x 2" x 0.044" Snap	9'-0" b	8'-4" b	7'-10" b	7'-4" b	6'-11" b	6'-8" b	6'-5" b	6'-2" b	5'-11" b	5'-8" b	5'-8" b	5'-8" b
2" x 3" x 0.045" Snap	11'-7" b	10'-8" b	10'-0" b	9'-5" b	8'-11" b	8'-8" b	8'-5" b	8'-2" b	7'-10" b	7'-7" b	7'-4" b	7'-4" b
2" x 4" x 0.045" Snap	14'-2" b	13'-1" b	12'-3" b	11'-7" b	10'-11" b	10'-5" b	10'-0" b	9'-7" b	9'-3" b	8'-11" b	8'-11" b	8'-11" b

Notes:
1. Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
2. Spans may be interpolated.

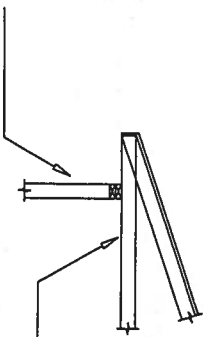
Table 3A.3 Schedule of Post to Beam Size and Number of Thru Bolts Required

Beam Size		Minimum Post Size		Alternate Post Size		# Thru-Bolts @ L=4'-6"		Minimum Knee Brace*		Min. # Knee Brace Screws	
2" x 4" x 0.050" Hollow	3" x 3" x 0.093"	2" x 3" x 0.093"	2" x 3" x 0.093"	2" x 3" x 0.093"	2" x 3" x 0.093"	2	-	2" x 3" x 0.093"	2	-	(3) #8
Self-Mating Beams											
2" x 4" x 0.040" x 0.100"	3" x 3" x 0.093"	2" x 3" x 0.093"	2" x 3" x 0.093"	2" x 3" x 0.093"	2" x 3" x 0.093"	2	-	2" x 3" x 0.093"	2	-	(3) #8
2" x 5" x 0.050" x 0.100"	3" x 3" x 0.093"	2" x 3" x 0.093"	2" x 3" x 0.093"	2" x 3" x 0.093"	2" x 3" x 0.093"	2	-	2" x 3" x 0.093"	2	-	(3) #8
2" x 6" x 0.050" x 0.120"	3" x 3" x 0.093"	2" x 3" x 0.093"	2" x 3" x 0.093"	2" x 3" x 0.093"	2" x 3" x 0.093"	2	-	2" x 3" x 0.093"	2	-	(3) #10
2" x 7" x 0.055" w/ Inseart	3" x 3" x 0.093"	2" x 3" x 0.093"	2" x 3" x 0.093"	2" x 3" x 0.093"	2" x 3" x 0.093"	2	-	2" x 3" x 0.093"	2	-	(3) #10
2" x 8" x 0.072" x 0.224"	3" x 3" x 0.093"	2" x 4" x 0.093"	2" x 4" x 0.093"	2" x 4" x 0.093"	2" x 4" x 0.093"	3	2	2" x 4" x 0.093"	3	2	(3) #12
2" x 8" x 0.082" x 0.306"	3" x 3" x 0.125"	2" x 5" x 0.050" x 0.100"	2" x 5" x 0.050" x 0.100"	2" x 5" x 0.050" x 0.100"	2" x 5" x 0.050" x 0.100"	3	3	2" x 5" x 0.050" x 0.100"	3	3	(3) #14
2" x 10" x 0.092" x 0.369"	3" x 3" x 0.125"	2" x 6" x 0.050" x 0.120"	2" x 6" x 0.050" x 0.120"	2" x 6" x 0.050" x 0.120"	2" x 6" x 0.050" x 0.120"	4	3	2" x 6" x 0.050" x 0.120"	4	3	(4) #14
Double Self-Mating Beams											
(2) 2" x 8" x 0.072" x 0.224"	2" x 5" x 0.050" x 0.100"	-	-	-	-	6	4	2" x 4" x 0.044" x 0.100"	6	4	(6) #14
(2) 2" x 8" x 0.082" x 0.306"	2" x 6" x 0.050" x 0.120"	-	-	-	-	6	4	2" x 6" x 0.050" x 0.120"	6	4	(6) #14
(2) 2" x 10" x 0.092" x 0.369"	2" x 7" x 0.055" x 0.120"	-	-	-	-	8	6	2" x 6" x 0.050" x 0.120"	8	6	(8) #14
(2) 2" x 10" x 0.092" x 0.369"	2" x 8" x 0.072" x 0.224"	-	-	-	-	10	8	2" x 7" x 0.055" x 0.120"	10	8	(10) #14

* Minimum post / beam may be used as minimum knee brace

REMOVE VINYL SIDING AND SOFFIT ON THE WALL AND INSTALL SIMPSON CS-16 COIL STRAP OR EQUAL FROM TRUSS / RAFTER TO BOTTOM OF DOUBLE TOP PLATE JOIST @ EACH TRUSS / RAFTER

THE FLOOR, WALL, AND ROOF SYSTEM ARE THAT OF MOBILE / MANUFACTURED HOME

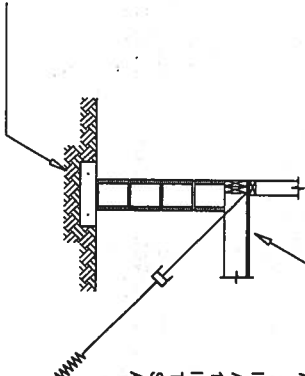


THE FLOOR, WALL, AND ROOF SYSTEM ARE THAT OF MOBILE / MANUFACTURED HOME

NAIL STRAP W/ 16d COMMON @ TRUSS RAFTER AND PERIMETER JOIST
SCREW COIL STRAP TO SHEATHING W/ #8 x 1" DECK SCREWS @ 16" O.C. VERTICALLY
REPLACE VINYL SIDING

PROVIDE NEW 4" x 6" OR 8" x 16" CMU PIER AND SOLID FOUNDATION BLOCK @ 5'-0" MAX. O.C. ALONG ATTACHMENT WALL

THE FLOOR, WALL, AND ROOF SYSTEM ARE THAT OF MOBILE / MANUFACTURED HOME
INSTALL NEW 48" OR 60" AUGER ANCHOR PER RULE 15C @ EACH NEW PIER
INSTALL 1/2" CARRIAGE BOLT THRU PERIMETER JOIST AND STRAP TO NEW AUGER ANCHOR

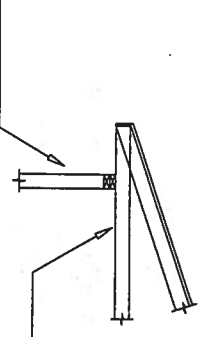


TYPICAL WALL SECTION FOR ATTACHMENT TO MOBILE / MANUFACTURED HOME

SCALE: 1/4" = 1'-0"

REMOVE VINYL SIDING AND SOFFIT ON THE WALL AND INSTALL SIMPSON CS-16 COIL STRAP OR EQUAL FROM TRUSS / RAFTER TO BOTTOM OF DOUBLE TOP PLATE JOIST @ EACH TRUSS / RAFTER

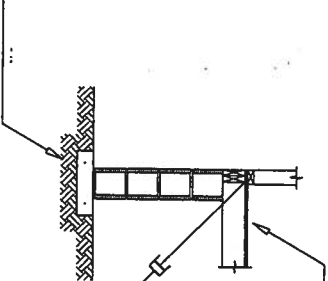
THE FLOOR, WALL, AND ROOF SYSTEM ARE THAT OF MOBILE / MANUFACTURED HOME



THE FLOOR, WALL, AND ROOF SYSTEM ARE THAT OF MOBILE / MANUFACTURED HOME

NAIL STRAP W/ 16d COMMON @ TRUSS RAFTER AND PERIMETER JOIST
SCREW COIL STRAP TO SHEATHING W/ #8 x 1" DECK SCREWS @ 16" O.C. VERTICALLY
REPLACE VINYL SIDING

ALTERNATE:
4" x 4" P.T.P. POST W/ SIMPSON 4" x 4" POST BUCKET INSTALLED PER MANUFACTURERS SPECIFICATIONS TOP & BOTTOM

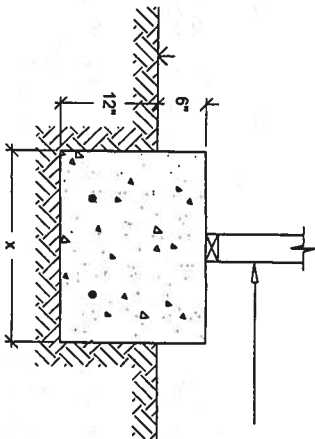


THE FLOOR, WALL, AND ROOF SYSTEM ARE THAT OF MOBILE / MANUFACTURED HOME
INSTALL NEW 48" OR 60" AUGER ANCHOR PER RULE 15C @ EACH NEW PIER
INSTALL 1/2" CARRIAGE BOLT THRU PERIMETER JOIST AND STRAP TO NEW AUGER ANCHOR

ALTERNATE WALL SECTION FOR ATTACHMENT TO MOBILE / MANUFACTURED HOME

SCALE: 1/4" = 1'-0"

STUD WALL OR POST



RIBBON FOOTING

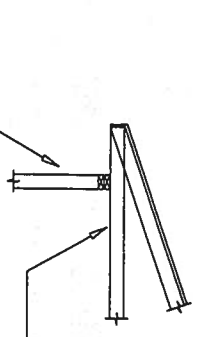
SCALE: 1/2" = 1'-0"

Minimum Ribbon Footing				
Wind Zone	# / Sq. Ft.	x	Post Anchor @ 48" O.C.	Stud Anchors
100 - 123	+ 10 - 14	1'-0"	ABU 44	SP1 @ 32" O.C.
130 - 140A	+ 30 - 17	1'-0"	ABU 44	SP1 @ 32" O.C.
140B - 150	+ 30 - 20	1'-3"	ABU 44	SP14 @ 48" O.C.

Maximum 16" projection from host structure.
For stud walls use 1/2" x 6" L-Bolts @ 48" O.C. and 2" square washers to attach sole plate to footing. Stud anchors shall be at the sole plate only and coil strap shall lap over the top plate on to the studs and straps shall be per manufacturers specifications.

REMOVE VINYL SIDING AND SOFFIT ON THE WALL AND INSTALL SIMPSON CS-16 COIL STRAP OR EQUAL FROM TRUSS / RAFTER TO BOTTOM OF DOUBLE TOP PLATE JOIST @ EACH TRUSS / RAFTER

THE FLOOR, WALL, AND ROOF SYSTEM ARE THAT OF MOBILE / MANUFACTURED HOME

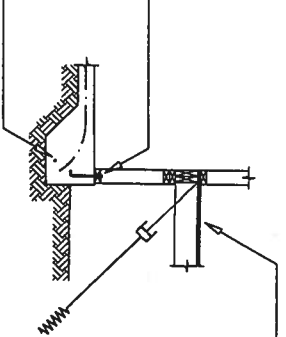


THE FLOOR, WALL, AND ROOF SYSTEM ARE THAT OF MOBILE / MANUFACTURED HOME

NAIL STRAP W/ 16d COMMON @ TRUSS RAFTER AND PERIMETER JOIST
SCREW COIL STRAP TO SHEATHING W/ #8 x 1" DECK SCREWS @ 16" O.C. VERTICALLY
REPLACE VINYL SIDING

8" L-BOLT @ 32" O.C.

TYPE III FOOTING OR 16" x 24" RIBBON FOOTING W/ (2) #50 BARS, 2,500 PSI CONCRETE



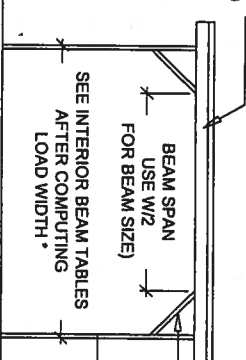
THE FLOOR, WALL, AND ROOF SYSTEM ARE THAT OF MOBILE / MANUFACTURED HOME

KNEE WALL W/ 2 x 4 P.T.P. BOTTOM PLATE, STUDS & DOUBLE TOP PLATE
NAIL PER TABLE 2306.1 FLORIDA BUILDING CODE
EACH STUD SHALL HAVE A SIMPSON SP-1 OR EQUAL
SHEATH W/ 1/2" P.T. PLYWOOD NAILED W/ #8 COMMON 6 O.C. EDGES AND 12 O.C. FIELD OR STRUCTURAL GRADE THERMAL PLY FASTENED PER THE MANUFACTURERS SPECIFICATIONS STRAP SIMPSON COIL STRAP OVER SHEATHING

ALTERNATE WALL SECTION FOR ATTACHMENT TO MOBILE / MANUFACTURED HOME

SCALE: 1/4" = 1'-0"

INTERIOR BEAM (SEE TABLES 3A.1.3)



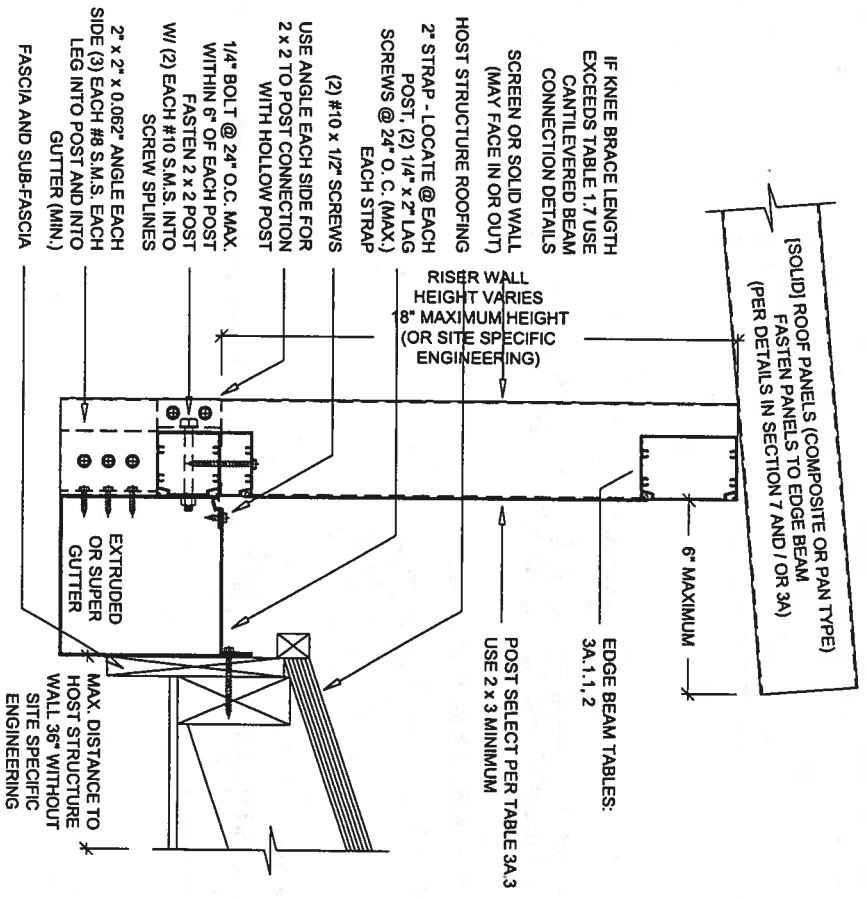
* LOAD WIDTH IS 1/2 THE DISTANCE BETWEEN SUPPORTS ON EITHER SIDE OF THE BEAM OR SUPPORT BEING CONSIDERED

TYPICAL SECTION "FOURTH" WALL FOR ADDITIONS ADJACENT TO A MOBILE / MANUFACTURED HOME

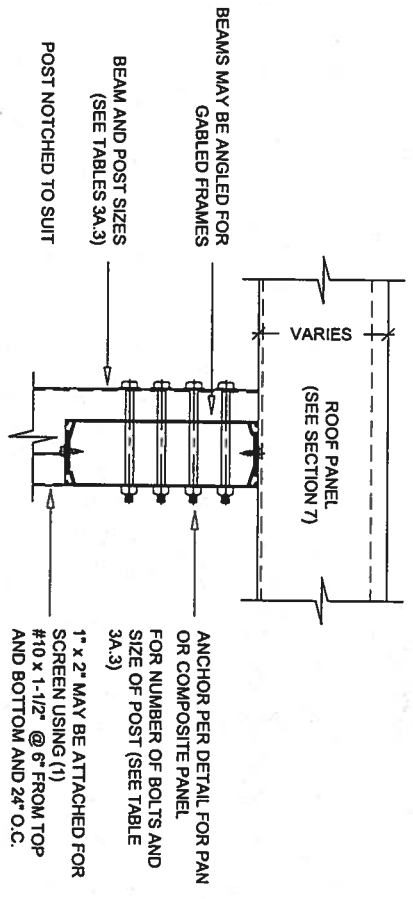
SCALE: 1/8" = 1'-0"

Extrusion Sizing Table:

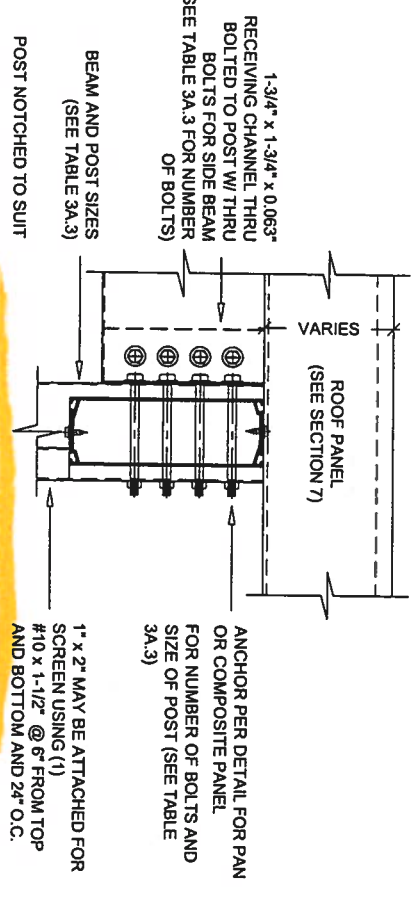
Upright Size	Max. Beam Size	Knee Brace
2" x 2" x 0.095"	2" x 4"	2" x 2" x 0.095"
3" x 2" x 0.095"	2" x 4"	2" x 3" x 0.095"
3" x 3" x 0.095"	2" x 6" S.M.B.	2" x 3" x 0.095"
3" x 3" x 0.095"	2" x 8" S.M.B.	2" x 3" x 0.095"
3" x 3" x 0.125"	2" x 8" S.M.B.	3" x 3" x 0.095"
4" x 4" x 0.125"	2" x 10" S.M.B.	3" x 3" x 0.125"



**EXTRUDED OR SUPER GUTTER / RISER
(OR TRANSOM) WALL @ FASCIA (WITH SOLID ROOF)**
SCALE: 2" = 1'-0"



SIDE NOTCH POST TO CARRIER BEAM CONNECTION
SCALE: 2" = 1'-0"



CENTER NOTCH POST TO CARRIER BEAM CONNECTION
SCALE: 2" = 1'-0"

General Notes and Specifications:

- The following attachments are designed to be married to block and wood frame structures of adequate structural capacity. The contractor / home owner shall verify that the host structure is in good condition and of sufficient strength to hold the proposed addition.
- If there is a question about the host structure, the owner (at his own expense) shall hire an architect, engineer, or a certified home inspection company to verify host structure capacity.
- Roll formed roof panels (pans) are designed for uniform loads and can not be walked on unless plywood is laid across the ribs. Pans have been tested and perform better in wind uplift loads than dead load + live loads. Spans for pans are based on deflection of L/80 for high wind zone criteria.
- Composite panels can be loaded as walk on or uniform loads and have, when tested performed well in either test. The composite panel tables are based on bending properties determined at a deflection limit of L/180.
- The following rules apply to attachments involving mobile and manufactured homes:
 - Structures to be placed adjacent to a mobile / manufactured home built prior to 1994 shall use "fourth wall construction" or shall provide detailed plans of the mobile / manufactured home along with addition plans for site specific review and seal by the engineer. This applies to all screen / glass rooms, and / or other structures to be attached.
 - For mobile / manufactured homes built after 1994, structures may be attached provided the project follows the plan for attachment of this manual. The contractor / home owner shall provide verification of the structural system used to build the host structure.
- The shapes and capacities of pans and composite panels are from "Industry Standard" shapes, except for manufacturers proprietary shapes. Unless the manufacturer of the product is known, use the "Industry Standard" Tables for allowable spans.
- When converting a screen room to a glass room or a carport to a garage, the roof must be checked and reinforced for the enclosed building requirements.
- When using TEK screws in lieu of S.M.S., longer screws must be used to compensate for drill head.
- For high velocity hurricane zones the minimum live load / applied load shall be 30 PSF.
- Interior walls & ceilings of composite panels may have 1/2" sheet rock added by securing the sheet rock w/ 1" fine thread sheet rock screws at 16" O.C. each way.
- All fascia gutter end caps shall have water relief ports.
- Spans may be interpolated between values but not extrapolated outside values.
- Design Check List and Inspection Guides for Solid Roof Panel Systems are included in inspection guides for sections 2, 3A & B, 4 & 5. Use section 2 inspection guide for solid roof in Section 1.
- All exposed screw heads through roof panels into the roof sub structure shall be caulked w/ silicon sealant.

Section 7 Design Statement:

The roof systems designed for section 7 are Main Wind Force Resisting Systems and Components and Cladding. In conformance with the 2004 Florida Building Code such systems must be designed using loads for components & cladding. Thus, Section 7 uses several different categories of these loads as described below. All pressures shown in the table below are in PSF (#SF).

- Free-standing Structures with Mono-sloped Roofs with a minimum live load of 10 PSF except for 140B and 150 MPH loads which are 30 PSF. The design wind loads used are from ASCE 7-98 Section 6.5, Analytical Procedure. The loads assume a mean roof height of less than 30' roof slope of 0° to 10°, $1 = 0.77$ for open structures & 1.00 for all others. Negative internal pressure coefficient is 0.18 for enclosed and 0.55 for partially enclosed structures.
- Attached Covers such as carports, patio covers, gabled carports, and screen rooms with a minimum live load of 10 PSF except for 140B and 150 MPH loads which are 30 PSF. The design wind loads used are from ASCE 7-98 Section 6.5, Analytical Procedure. Roof slope of 0° to 25° (+/- 10°), $1 = 1.00$. Negative internal pressure coefficient is 0.18 for enclosed and 0.55 for partially enclosed structures.
- Glass & Modular Rooms design loads use a minimum live load of 20 PSF and wind loads are from ASCE 7-98 Section 6.5, Analytical Procedure and the 2004 Florida Building Code. The loads assume a mean roof height of less than 30' roof slope of 20° to 30° (+/- 10°), $1 = 1.00$.
 - Enclosed structural systems use a negative internal pressure coefficient = +/- 0.18.
 - Partially Enclosed structural systems use a negative internal pressure coefficient = +/- 0.55.
- Overhangs use a minimum live load of 20 PSF except for 140B and 150 MPH loads which are 30 PSF. Wind loads are from ASCE 7-98 Section 6.5, Analytical Procedure for Components & Cladding for Enclosed or Partially Enclosed Structural Systems. The loads assume a mean roof height of less than 30' roof slope of 20° to 30° (+/- 10°), $1 = 1.00$. Negative internal pressure coefficient is 0.18 for enclosed and 0.55 for partially enclosed structures.
- Anchor for composite panel roof systems were computed on a load width of 10' and 16' projection with a 2' overhang. Any greater load width shall be site specific.

Conversion Table 7A

Load Conversion Factors Based on Mean Roof Height of Host Structure For All Components

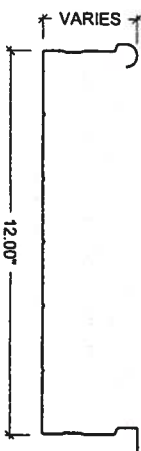
Exposure "B" to "C"	Mean Host Structure Height	Pans	Composite Panels
0 -15'	0.91	0.94	
15'-20'	0.88	0.92	
20' -25'	0.85	0.91	
25' -30'	0.85	0.89	

Conversion Table 7B

Conversion Based on Mean Height of Host Structure for Solid Roof Systems From Exposure "B" to "C"

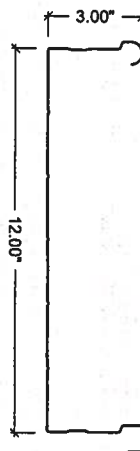
Mean Host Structure Height	Load Multiplier	Pans	Composite Panels
0 -15'	1.21	0.94	0.91
15'-20'	1.29	0.92	0.88
20' -25'	1.34	0.91	0.86
25' -30'	1.40	0.89	0.85

INDUSTRY STANDARD ROOF PANELS



12" WIDE x VARIOUS HEIGHT RISER ROOF PANEL

SCALE: 2" = 1'-0"



12" WIDE x 3" RISER INTERLOCKING ROOF PANEL

SCALE: 2" = 1'-0"



CLEATED ROOF PANEL

SELECT PANEL DEPTH FROM TABLES

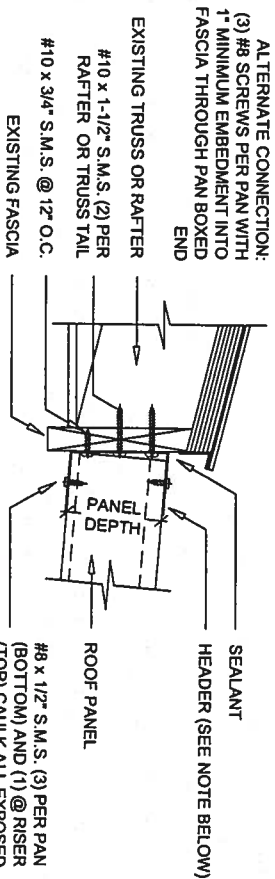
SCALE: 2" = 1'-0"



COMPOSITE ROOF PANEL (INDUSTRY STANDARD)

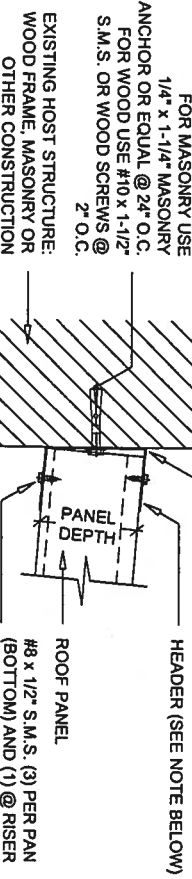
SCALE: 2" = 1'-0"

PAN ROOF ANCHORING DETAILS



ROOF PANEL TO FASCIA DETAIL

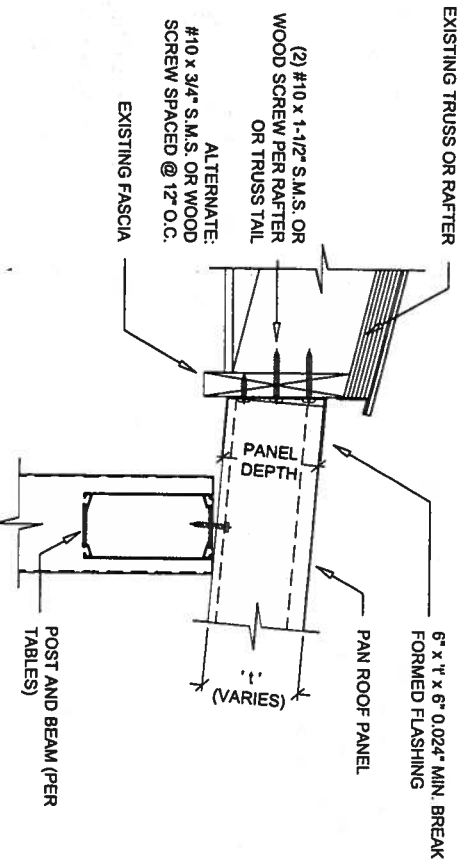
SCALE: 2" = 1'-0"



ROOF PANEL TO WALL DETAIL

SCALE: 2" = 1'-0"

ROOF PANELS SHALL BE ATTACHED TO THE HEADER WITH (3) EACH #8 x 1/2" LONG CORROSION RESISTANT SHEET METAL SCREWS WITH 1/2" WASHERS. ALL SCREW HEADS SHALL BE CAULKED OR SHALL HAVE NEOPRENE GASKET BETWEEN THE WASHER AND THE PAN. PAN RIBS SHALL RECEIVE (1) EACH #8 x 1/2" SCREW EACH. THE PANS MAY BE ANCHORED THROUGH BOXED PAN WITH (3) EACH #8 x 1" OF THE ABOVE SCREW TYPES AND THE ABOVE SPECIFIED RISER SCREW, #8 x 9/16" TEK SCREWS ARE ALLOWED AS A SUBSTITUTE FOR #8 x 1/2" S.M.S.

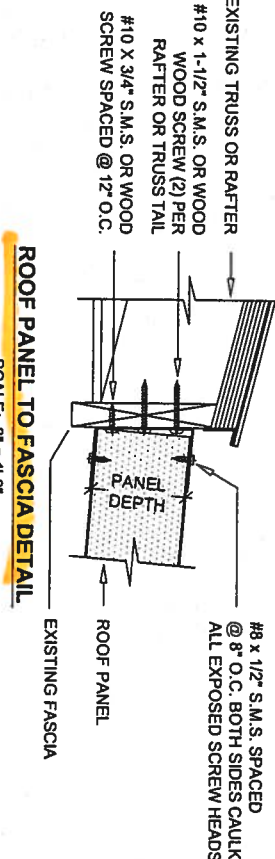


ALTERNATE MOBILE HOME FLASHING FOR FOURTH WALL CONSTRUCTION PAN ROOF PANELS

SCALE: 2" = 1'-0"

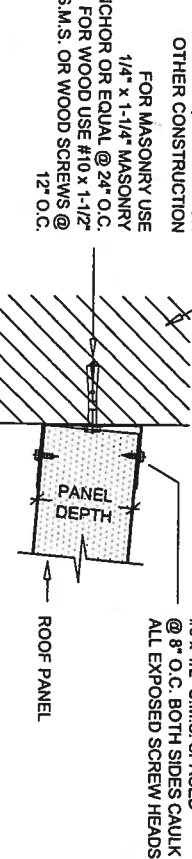
- INSTALLATION INSTRUCTIONS:
- PLACE (2) BEADS OF CAULKING ON BACK SIDE OF HEADER BEFORE INSTALLING.
 - SLIDE 1" TAB AT TOP OF HEADER UNDER DRIP EDGE. DO NOT PUSH DRIP EDGE UP. DRIP EDGE MUST MAINTAIN SAME PLANE AS SLOPE OF ROOF.
 - FASTEN HEADER TO FASCIA BOARD WITH #10 x 1" SCREWS @ 6" O.C. STAGGERED TOP AND BOTTOM (SEE DETAIL ABOVE)
 - PLACE PAN ROOF PANEL INTO HEADER AND ATTACH TO 4TH WALL POST AND BEAM SYSTEM ONLY. DO NOT ATTACH TO HEADER. HEADER IS USED AS FLASHING ONLY.

COMPOSITE ROOF ANCHORING DETAILS



ROOF PANEL TO FASCIA DETAIL

SCALE: 2" = 1'-0"



ROOF PANEL TO WALL DETAIL

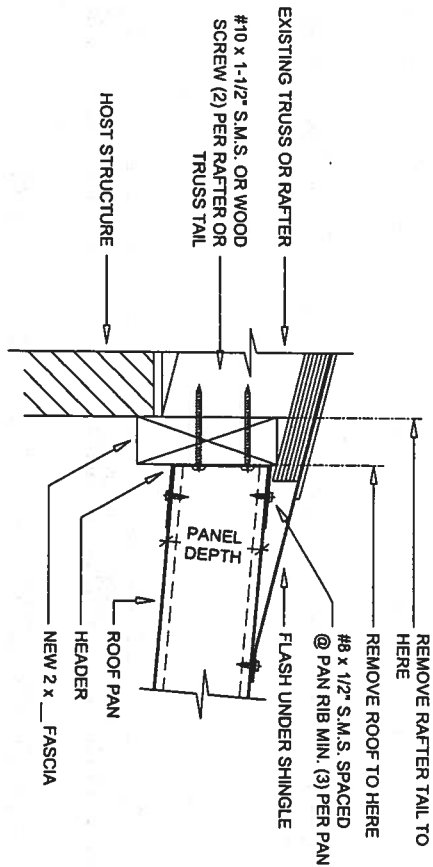
SCALE: 2" = 1'-0"

WOOD STRUCTURES SHOULD CONNECT TO TRUSS BUTTS OR THE SUB-FASCIA FRAMING WHERE POSSIBLE ONLY. 15% OF SCREWS CAN BE OUTSIDE THE TRUSS BUTTS. SUB-FASCIA AND THOSE AREAS SHALL HAVE DOUBLE ANCHORS. ALL SCREWS INTO THE HOST STRUCTURE SHALL HAVE MINIMUM 1-1/4" WASHERS OR SHALL BE WASHER HEADED SCREWS.

HEADER INSIDE DIMENSION SHALL BE EQUAL TO PANEL OR PANS DEPTH + 1". THE WALL THICKNESS SHALL BE THE THICKNESS OF THE ALUMINUM PAN OR COMPOSITE PANEL WALL THICKNESS. HEADERS SHALL BE ANCHORED TO THE HOST STRUCTURE WITH ANCHORS APPROPRIATE FOR THE MATERIAL CONNECTED TO. THE ANCHORS DETAILED ABOVE ARE BASED ON A LOAD FROM 120 M.P.H. FOR SBC SECTION 1606 FOR A MAXIMUM POSSIBLE SPAN OF THE ROOF PANEL FROM THE HOST STRUCTURE. ANCHORS BASED ON 120 MPH WIND VELOCITY. FOR HIGHER WIND ZONES USE THE FOLLOWING CONVERSION:

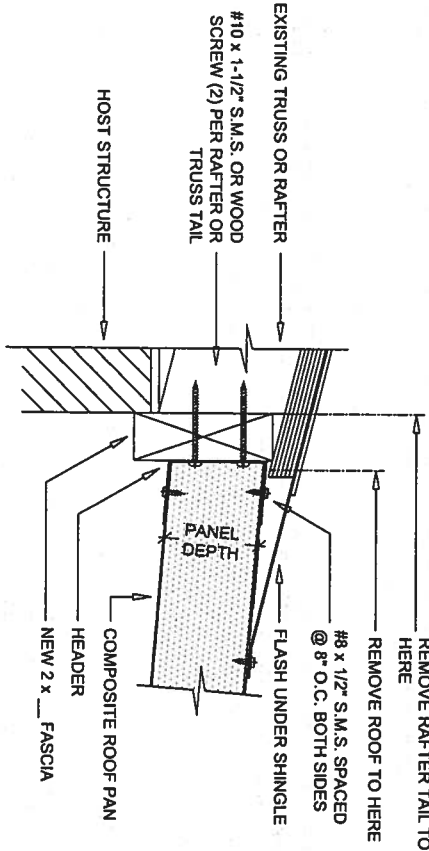
100-123	130	140	150
#8	#10	#12	#12

07-08-2004



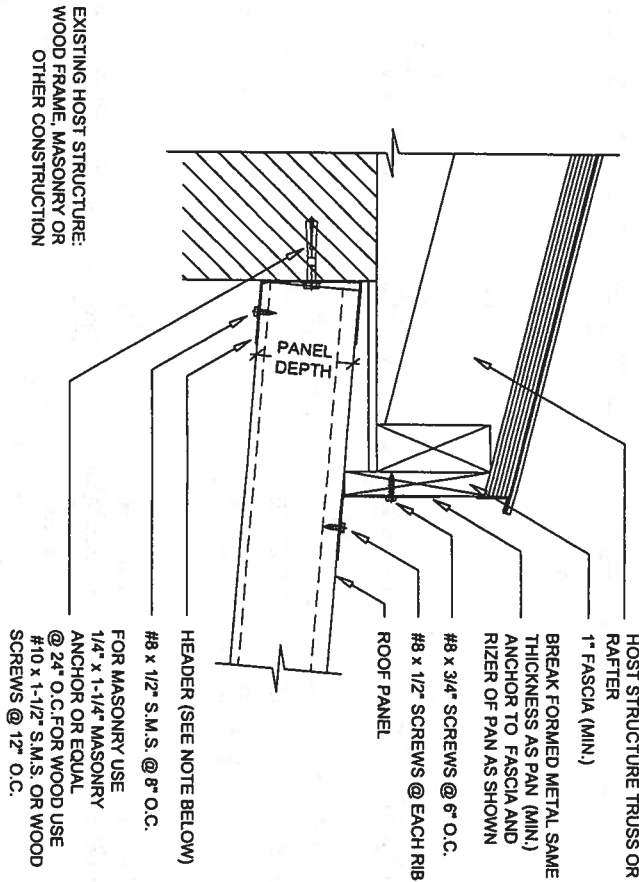
REMOVED RAFTER TAIL ROOF PAN TO FASCIA DETAIL

SCALE: 2" = 1'-0"



REMOVED RAFTER TAIL COMPOSITE ROOF PANEL TO WALL DETAIL

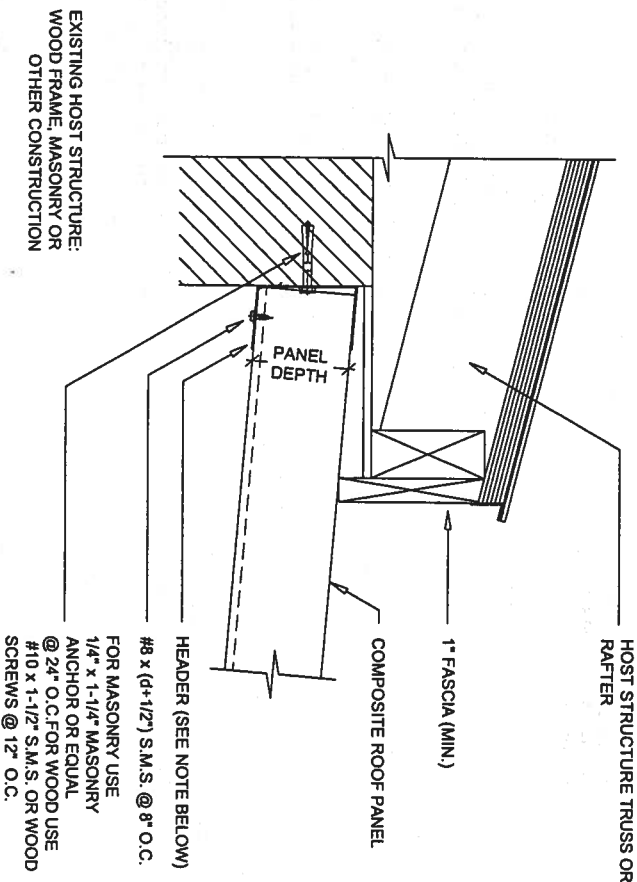
SCALE: 2" = 1'-0"



ALTERNATE ROOF PANEL TO WALL DETAIL

SCALE: 2" = 1'-0"

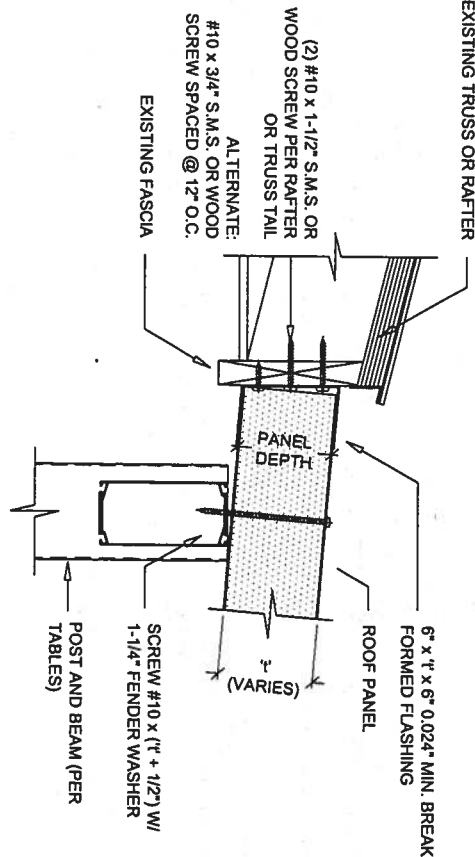
ROOF PANELS SHALL BE ATTACHED TO THE HEADER W/ (3) EACH #8 x 1/2" LONG CORROSION RESISTANT S.M.S. W/ 1/2" WASHERS. ALL SCREW HEADS SHALL BE CAULKED OR SHALL HAVE NEOPRENE GASKET BETWEEN THE WASHER AND THE PAN. PAN RIBS SHALL RECEIVE (1) EACH #8 x 1/2" SCREW EACH. THE PANS MAY BE ANCHORED THROUGH BOXED PAN W/ (3) EACH #8 x 1" OF THE ABOVE SCREW TYPES AND THE ABOVE SPECIFIED RIB SCREW.



ALTERNATE COMPOSITE ROOF PANEL TO WALL DETAIL

SCALE: 2" = 1'-0"

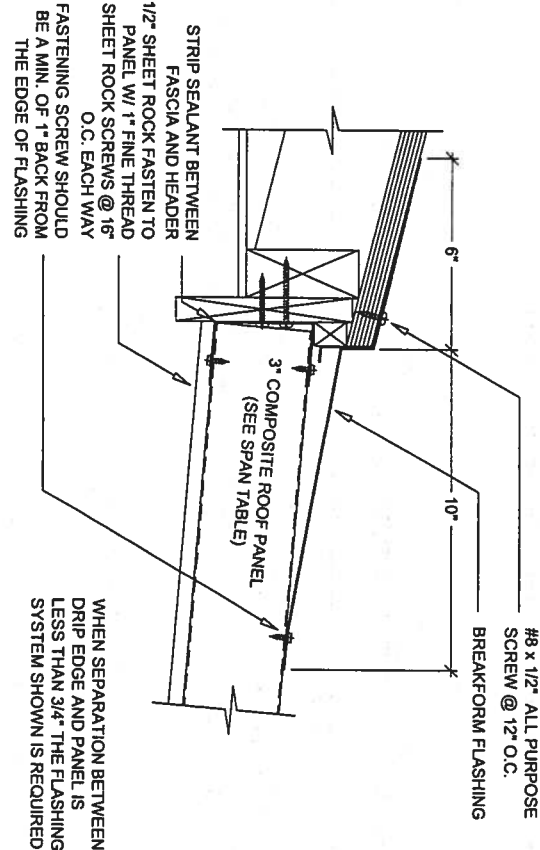
COMPOSITE ROOF PANELS SHALL BE ATTACHED TO EXTRUDED HEADER W/ (3) EACH #8 x (d+1/2") LONG CORROSION RESISTANT S.M.S.



ALTERNATE MOBILE HOME FLASHING FOR FOURTH WALL CONSTRUCTION COMPOSITE ROOF PANELS

SCALE: 2" = 1'-0"

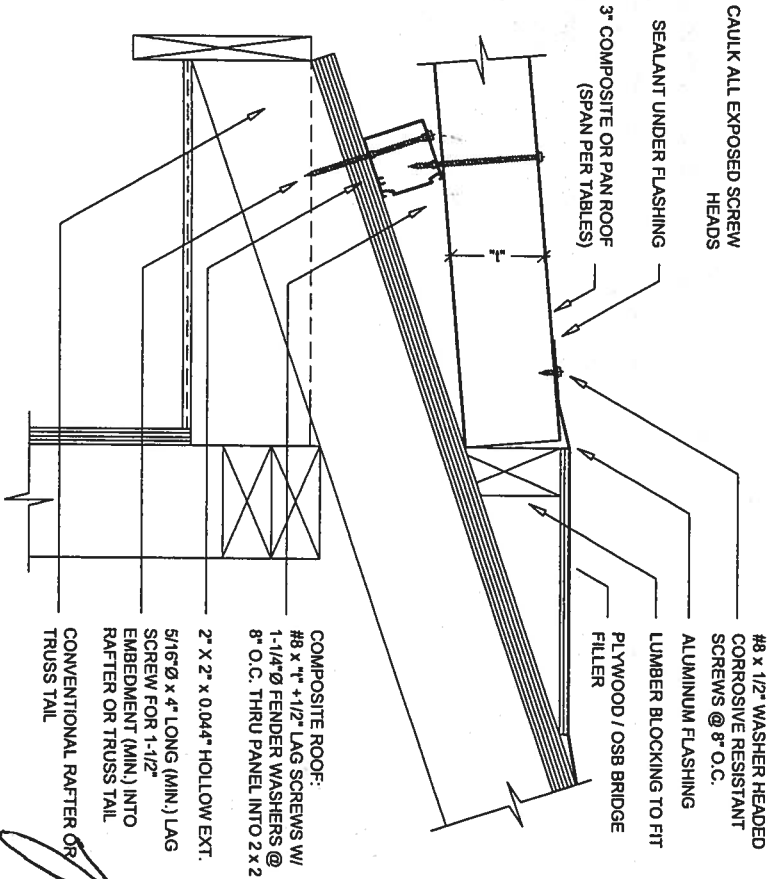
- INSTALLATION INSTRUCTIONS:**
- PLACE (2) BEADS OF CAULKING ON BACK SIDE OF HEADER BEFORE INSTALLING.
 - SLIDE 1" TAB AT TOP OF HEADER UNDER DRIP EDGE. DO NOT PUSH DRIP EDGE UP. DRIP EDGE MUST MAINTAIN SAME PLANE AS SLOPE OF ROOF.
 - FASTEN HEADER TO FASCIA BOARD WITH #10 x 1" SCREWS @ 6" O.C. STAGGERED TOP AND BOTTOM (SEE DETAIL ABOVE)
 - PLACE COMPOSITE ROOF PANEL INTO HEADER AND ATTACH TO 4TH WALL POST AND BEAM SYSTEM ONLY. DO NOT ATTACH TO HEADER. HEADER IS USED AS FLASHING ONLY.



ALTERNATE DETAIL FOR FLASHING ON SHINGLE ROOFS

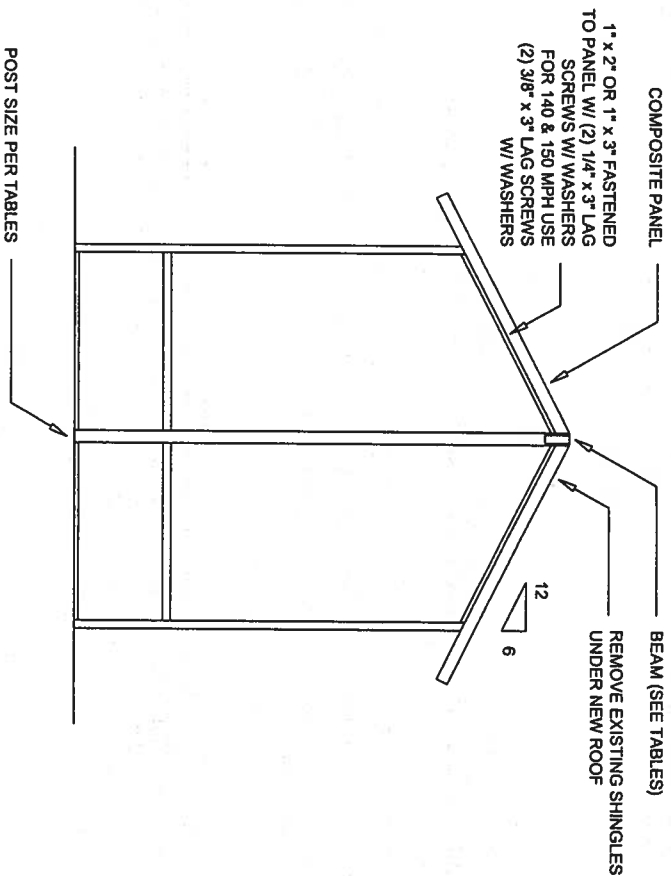
SCALE: 2" = 1'-0"

- NOTES:**
- FLASHING TO BE INSTALLED A MIN. 6" UNDER THE FIRST ROW OF SHINGLES.
 - STANDARD COIL FOR FLASHING IS 16" .019 MIL. COIL.
 - FIRST ROW OF EXISTING NAILS MUST BE REMOVED TO INSTALL FLASHING PROPERLY.
 - FLASHING WILL BE INSTALLED UNDER THE FELT PAPER WHEN POSSIBLE
 - HEADER WILL BE PUTTY TAPED AND CAULKED EVEN THOUGH FLASHING IS TO BE INSTALLED.
 - IF THE DROP FROM THE EDGE OF THE SHINGLE DOWN TO THE TOP OF THE HEADER IS MORE THAN 1" THEN THE DRIP EDGE WILL HAVE TO BE BROKEN TO CONFORM TO THIS DROP.
 - WHEN USING FLASHING THE SMALLEST SIZE HEADER AVAILABLE SHOULD BE USED. 12" .03 MIL. ROLLFORM OR 8" BREAKFORM IS BEST SUITED FOR HEADER SINCE IT KEEPS THE FLAP LIP OF THE HEADER BACK FROM THE EDGE OF THE FLASHING.
 - WHEN SEPARATION BETWEEN DRIP EDGE AND PANEL FLASHING IS REQUIRED 1/2" SEPARATION MINIMUM.
 - STRIP SEALANT BETWEEN FASCIA AND HEADER PRIOR TO INSTALLATION.

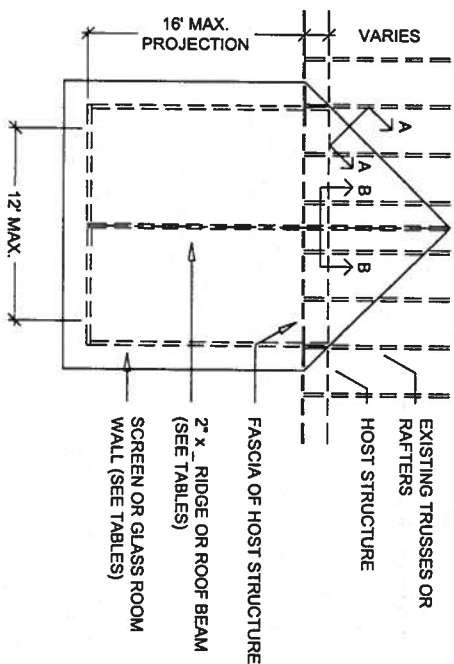


WEDGE ROOF CONNECTION DETAIL

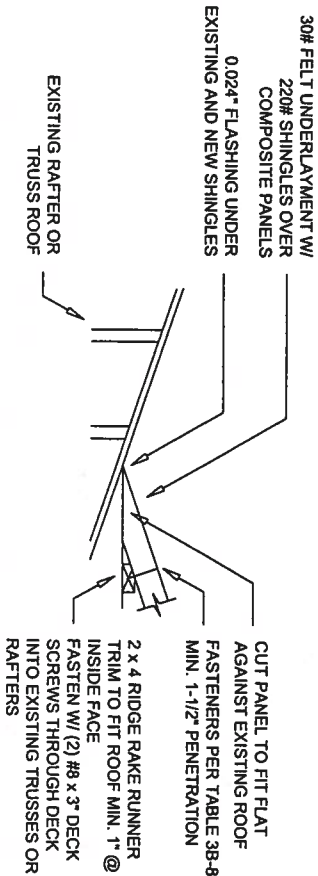
SCALE: 2" = 1'-0"



SCREEN OR SOLID WALL ROOM VALLEY CONNECTION
FRONT WALL ELEVATION VIEW

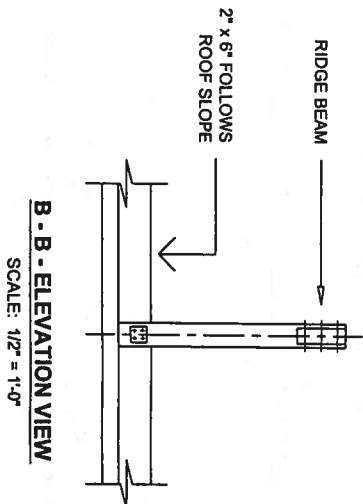


SCREEN OR SOLID WALL ROOM VALLEY CONNECTION
PLAN VIEW



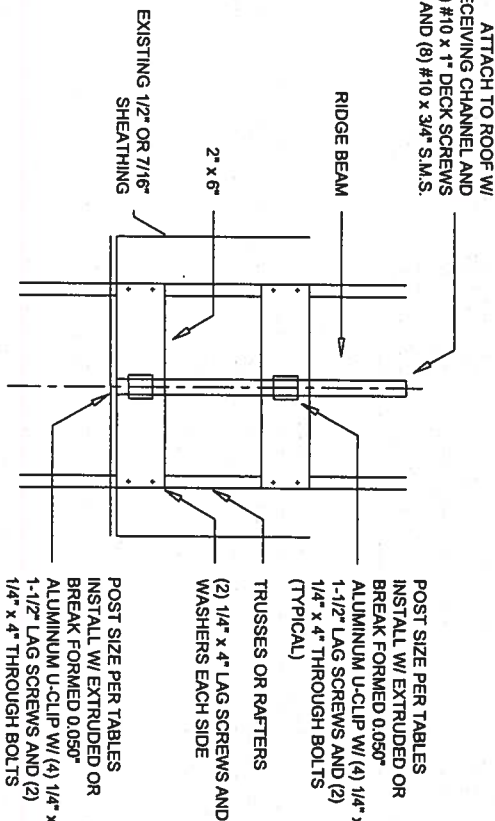
A - A - SECTION VIEW

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



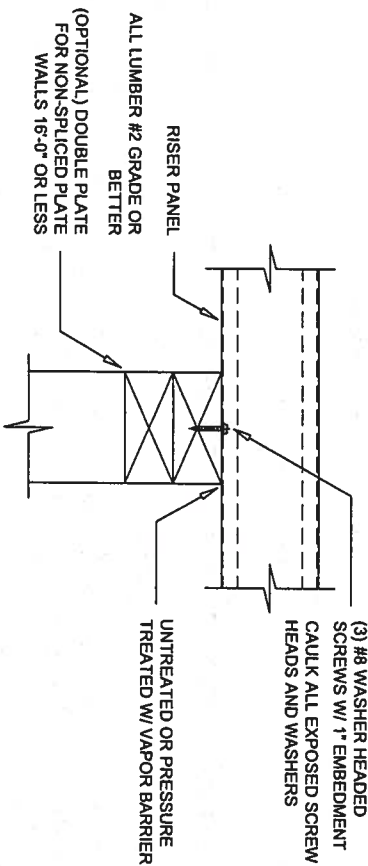
B - B - ELEVATION VIEW

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



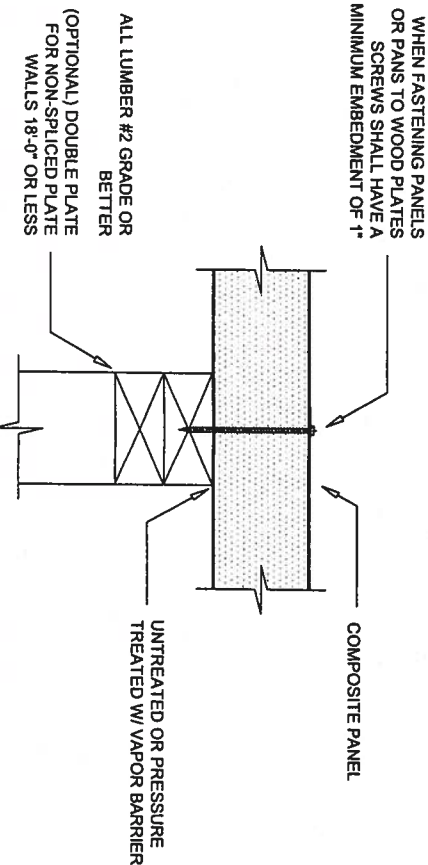
B - B - PLAN VIEW

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



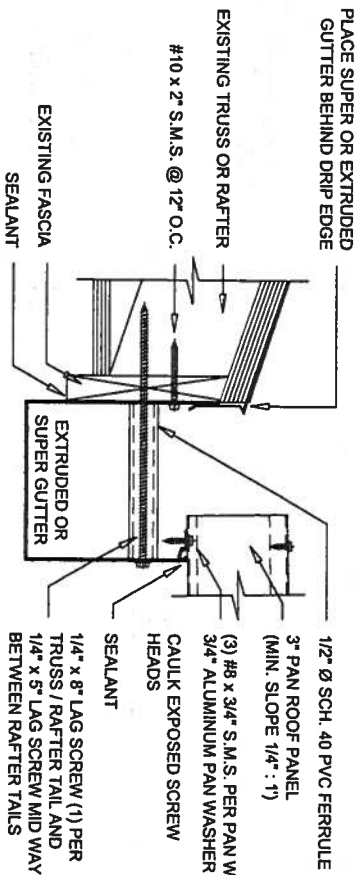
PAN TO WOOD FRAME DETAIL

SCALE: 2" = 1'-0"



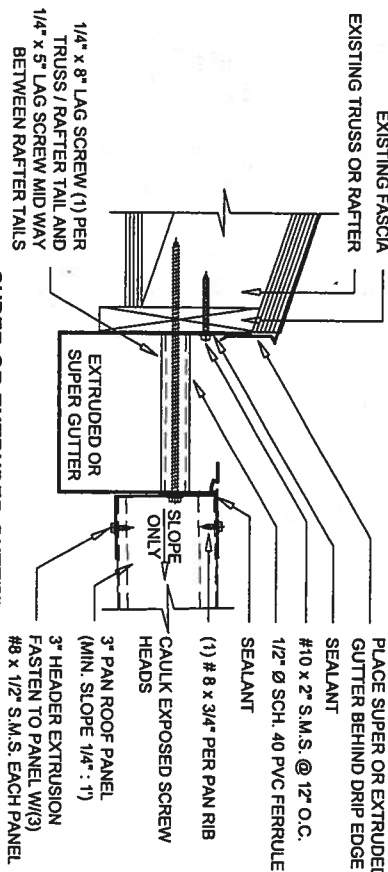
COMPOSITE PANEL TO WOOD FRAME DETAIL

SCALE: 2" = 1'-0"



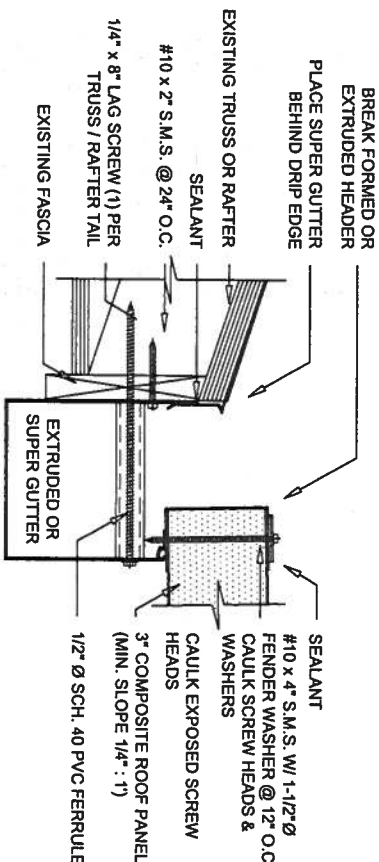
SUPER OR EXTRUDED GUTTER
EXISTING ROOF TO PAN ROOF PANEL DETAIL 1

SCALE: 2" = 1'-0"



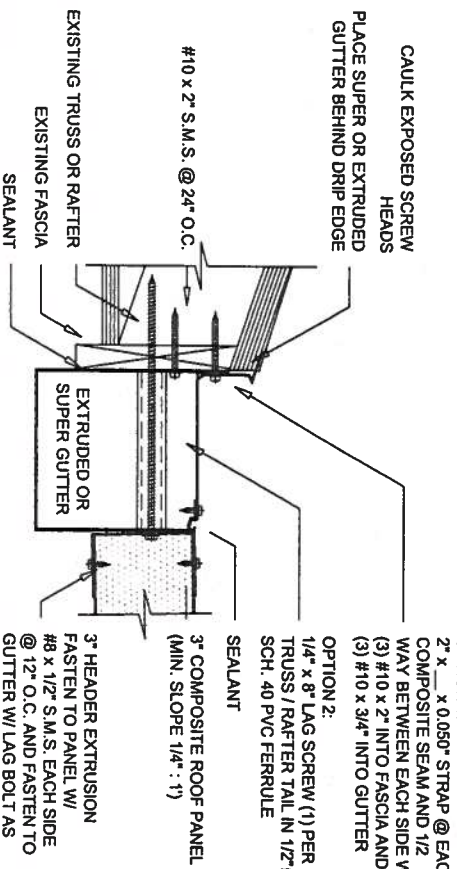
SUPER OR EXTRUDED GUTTER
EXISTING ROOF TO PAN ROOF PANEL DETAIL 2

SCALE: 2" = 1'-0"



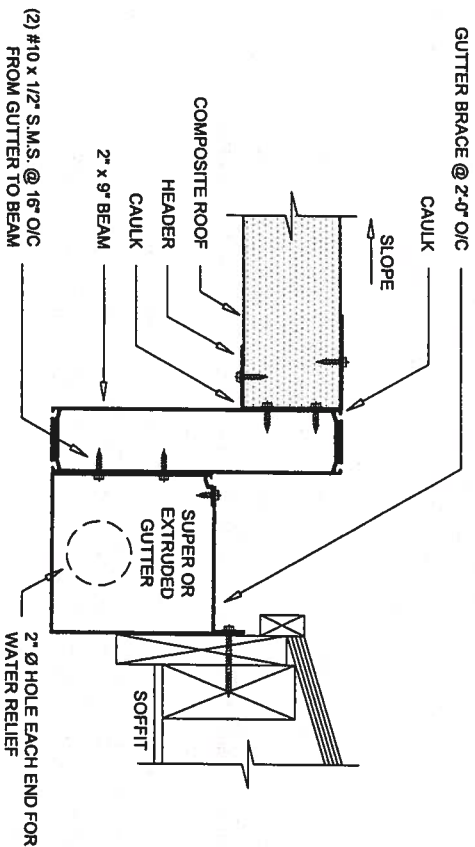
EXISTING ROOF TO COMPOSITE ROOF PANEL DETAIL 1

SCALE: 2" = 1'-0"

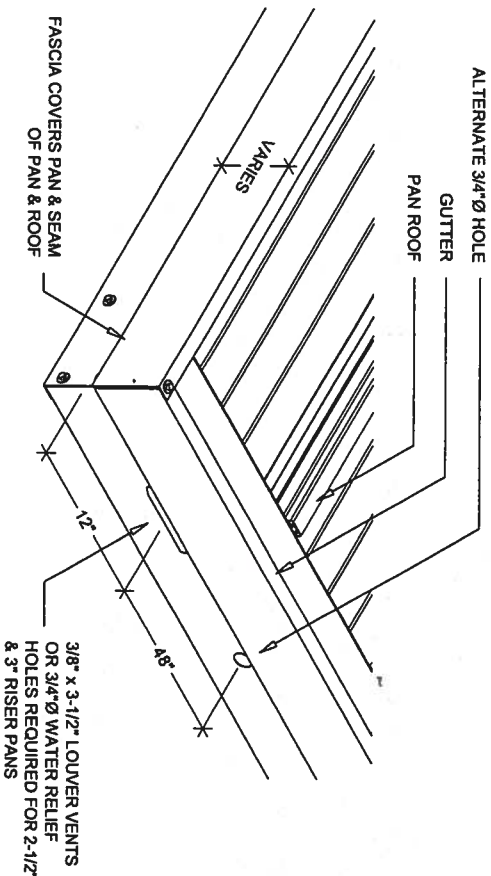


EXISTING ROOF TO COMPOSITE ROOF PANEL DETAIL 2

SCALE: 2" = 1'-0"



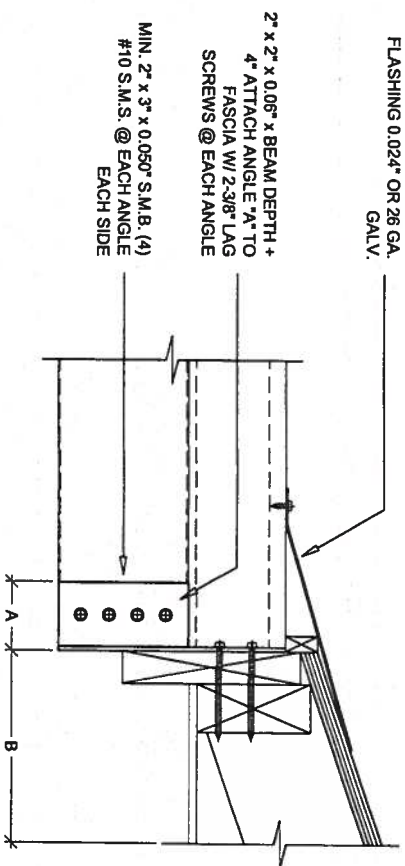
SUPER OR EXTRUDED GUTTER TO 2" x 9" BEAM DETAIL
SCALE: 2" = 1'-0"



GUTTERS FOR 2-1/2" AND LARGER PANS SHALL HAVE A 3/4" Ø HOLE OR A 3/8" x 4" LOUVER @ 12" FROM EACH END AND 48" O.C. BELOW THE PAN RISE BREAK TO PREVENT WATER BUILD-UP ON THE ROOF. THIS WATER RELIEF SYSTEM IS RECOMMENDED FOR PANS SMALLER THAN 2-1/2" ALSO

PAN FASCIA & GUTTER END CAP WATER RELIEF DETAIL

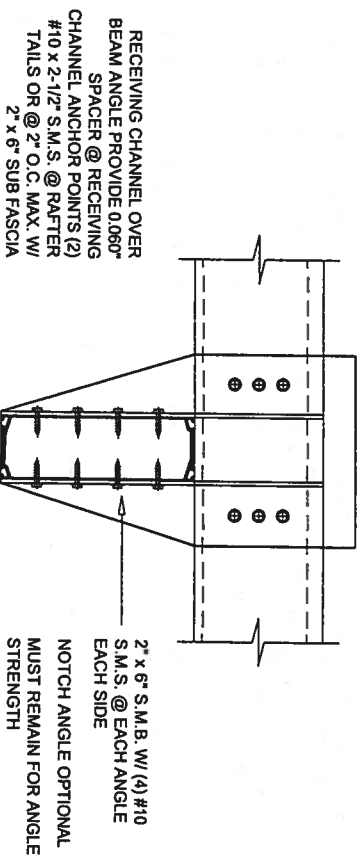
SCALE: 2" = 1'-0"



BEAM TO WALL CONNECTION:
(2) 2" x 2" x 0.060" EXTERNALLY MOUNTED ANGLES ATTACHED TO WOOD WALL W/ MIN. (2) 3/8" x 2" LAG SCREWS PER SIDE OR (2) 1/4" x 2-1/4" CONCRETE ANCHORS TO CONCRETE OR MASONRY WALL ADD (1) ANCHOR PER SIDE FOR EACH INCH OF BEAM DEPTH LARGER THAN 3"
(ALTERNATE) (1) 1-3/4" x 1-3/4" x 1/8" INTERNAL U-CLIP ATTACHED TO WOOD WALL W/ MIN. (3) 3/8" x 2" LAG SCREWS PER SIDE OR (3) 1/4" x 2-1/4" CONCRETE ANCHORS TO CONCRETE OR MASONRY WALL ADD (1) ANCHOR PER SIDE FOR EACH INCH OF BEAM DEPTH LARGER THAN 3"

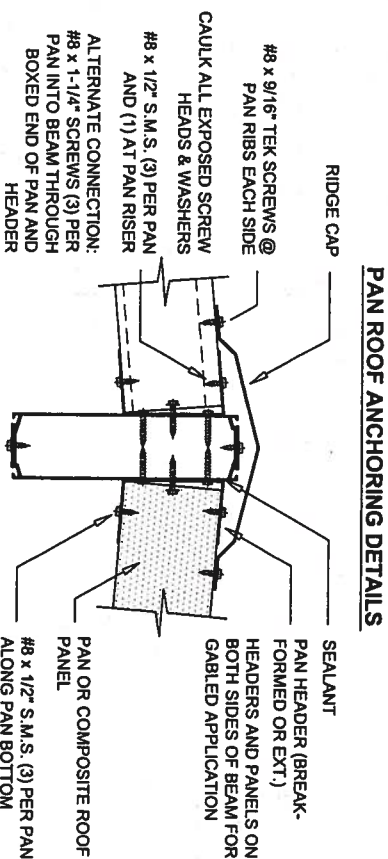
CANTILEVERED BEAM CONNECTION TO FASCIA DETAIL

SCALE: 2" = 1'-0"



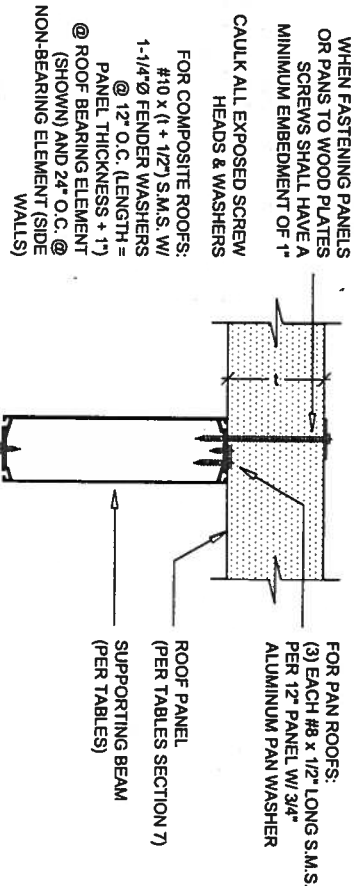
CANTILEVERED BEAM CONNECTION AT FASCIA (END VIEW)

SCALE: 2" = 1'-0"



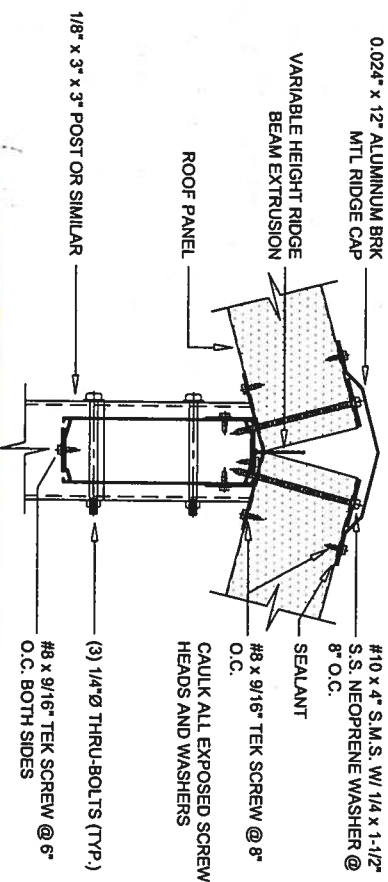
PAN ROOF ANCHORING DETAILS

SCALE: 2" = 1'-0"



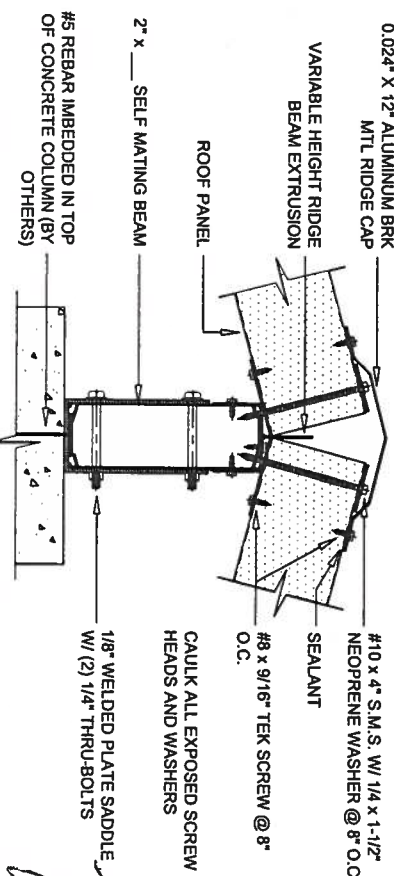
ROOF PANEL TO BEAM FASTENING DETAIL

SCALE: 2" = 1'-0"



PANEL ROOF TO RIDGE BEAM @ POST DETAIL

SCALE: 2" = 1'-0"

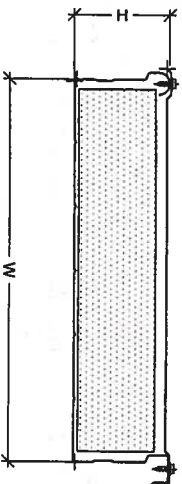


PANEL ROOF TO RIDGE BEAM @ CONCRETE POST DETAIL

SCALE: 2" = 1'-0"

0.024" ALUMINUM COVER PAN
OR CONTINUOUS ALUMINUM
SHEET

#8 x 1/2" CORROSION
RESISTIVE WASHER HEADED
SCREWS @ 24" O.C.
ALTERNATE #8 x 1/2" S.M.S.
W/ 1/2" Ø WASHER.

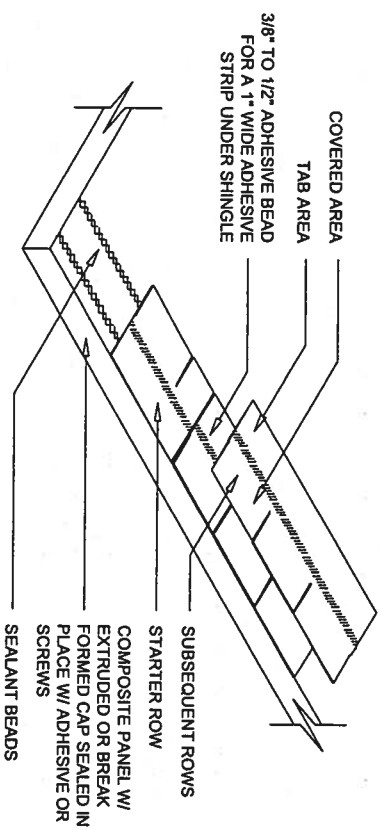


TYPICAL INSULATED PANEL

SCALE: 2" = 1'-0"

- NOTES:**
1. INSTALL RIGID FOAM INSULATION INTO ALUMINUM ROOF PAN.
 2. COVER INSULATION WITH 0.024" PROTECTOR PANEL WITH OVERLAPPING SEAMS.
 3. INSULATION PANEL SHALL BE CLOSED WITH ALUMINUM END CAP TO SECURE PLACEMENT AND TO DISCOURAGE THE NESTING OF WILDLIFE AND OR INSECTS.
 4. PROTECTOR PANEL WILL BE SECURED BY #8 x 5/8" CORROSION RESISTIVE WASHER HEADED SCREWS.
 5. SCREW PATTERN WILL BE 12" ON ALL PERIMETERS AND 24" O.C. FIELD ON EACH PANEL.
 6. ALUMINUM END CAP WILL BE ATTACHED WITH (3) #8 x 1/2" CORROSION RESISTIVE WASHER HEADED SCREWS.

NOTE: FOR PANEL SPANS W/ 0.024" ALUMINUM PROTECTIVE COVER MULTIPLY SPANS IN SECTION 5 OR 7 BY 1.28 FOR H-28 METAL & 1.20 FOR H-14 OR H-25 METAL.



PROFAB COMPOSITE ROOF PANEL WITH SHINGLE FINISH DETAIL

SCALE: N.T.S.

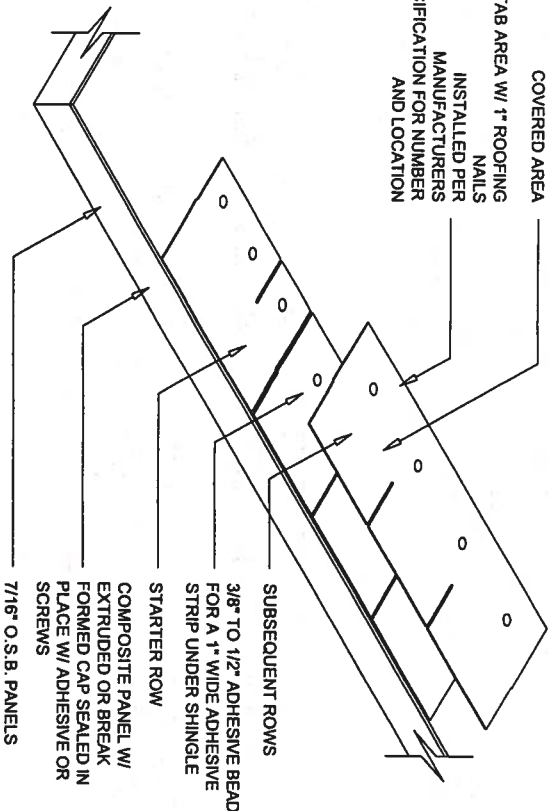
ATTACH SHINGLES TO COMPOSITE ROOF PANELS WITH INDUSTRIAL ADHESIVE*.
APPLY ADHESIVE IN A CONTINUOUS BEAD 3/8" TO 1/2" DIAMETER SO THAT THERE IS A 1" WIDE STRIP OF ADHESIVE WHEN THE SHINGLE IS PUT IN PLACE.

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

- 1) STARTER ROWS OF SHINGLES SHALL HAVE ONE STRIP OF ADHESIVE UNDER THE SHINGLE AT MID COVERED AREA AND ONE UNDER THE SHINGLE AT MID TAB AREA. STARTER SHINGLE ROW 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 ROWS OF SHINGLES SHALL HAVE TWO STRIPS OF ADHESIVE UNDER THE SHINGLE AT MID COVERED AREA AND TWO STRIPS AT MID TAB AREA. SHINGLE ROW INSTALLED WITH THE TABS FACING IN THE UPWARD DIRECTION OF THE ROOF SLOPE.
 - 2) SUBSEQUENT ROWS OF SHINGLES INSTALLED PER PREVIOUS SPECIFICATION WITH TWO STRIPS OF ADHESIVE AT MID COVERED AREA.

- * ADHESIVE: CHEM REX - PL PREMIUM 948 URETHANE ADHESIVE OR OSI - RF-140
- MINIMUM ROOF SLOPE: 2" IN 12"

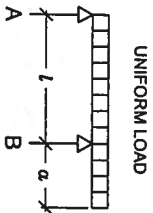
COVERED AREA
TAB AREA W/ 1" ROOFING
NAILS
INSTALLED PER
MANUFACTURERS
SPECIFICATION FOR NUMBER
AND LOCATION



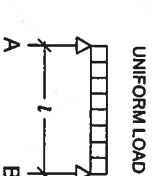
**PROFAB COMPOSITE ROOF PANEL WITH O.S.B.
AND STANDARD SHINGLE FINISH DETAIL**

SCALE: N.T.S.

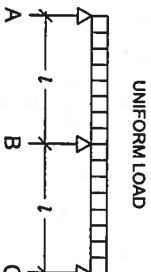
- SPECIFICATIONS FOR APPLYING O.S.B. AND SHINGLES FOR ROOF SLOPES OF 3:12 AND GREATER
1. INSTALL PRO-FAB PANELS IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
 2. SEAL ALL SEAMS WITH PRO 2000 CHEMREX 948 URETHANE AND CLEAN THE ROOF OF ANY DIRT, GREASE, WATER OR OIL.
 3. APPLY 16 MILS OF MORTON 652 GLUE TO THE PANELS AND INSTALL 7/16" O.S.B. OVER THE GLUE AND PANELS.
 4. INSTALL 15# FELT PAPER IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 2001 EDITION, SECTION 1507.38.
 5. INSTALL SHINGLES IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 2001 EDITION, SECTION 1507.3.



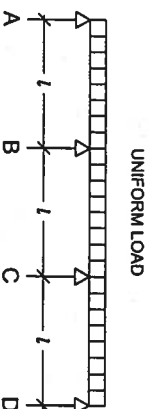
SINGLE SPAN CANTILEVER



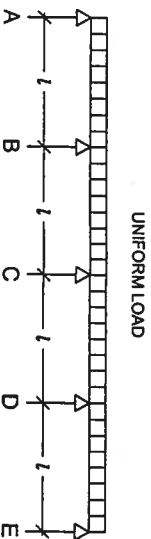
1 OR SINGLE SPAN



2 SPAN



3 SPAN



4 SPAN

- NOTES:**
1. l = Span Length
 - a = Overhang Length
 2. All spans listed in the tables are for equally spaced distances between supports or anchor points.
 3. Panels shall not be spliced except at supports.

SPAN EXAMPLES FOR SECTION 7 TABLES

SCALE: N.T.S.

Table 7.1.1 Allowable Spans for Industry Standard Riser Panels for Various Loads
Aluminum Alloy 3105 H-14 or H-25

1-1/4" x 12" x 0.024" 2 or 5 Rib Riser Panels											
Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang/ Cantilever	
	1&2	3	4	1&2	3	4	1&2	3	4	span	Roofs
100 MPH	6'-5"	8'-3"	8'-5"	5'-11"	7'-5"	7'-6"	4'-11"	6'-2"	6'-3"	1'-10"	1'-10"
110 MPH	6'-1"	7'-8"	7'-9"	5'-7"	6'-11"	7'-1"	4'-8"	5'-9"	5'-11"	1'-9"	1'-9"
120 MPH	5'-10"	7'-3"	7'-4"	5'-2"	6'-7"	6'-8"	4'-5"	5'-5"	5'-7"	1'-8"	1'-8"
123 MPH	5'-9"	7'-1"	7'-3"	5'-2"	6'-5"	6'-7"	4'-4"	5'-4"	5'-5"	1'-8"	1'-8"
130 MPH	5'-6"	6'-9"	6'-11"	4'-11"	6'-2"	6'-3"	4'-2"	5'-2"	5'-3"	1'-8"	1'-8"
140 MPH	4'-8"	5'-9"	5'-10"	4'-8"	5'-8"	5'-10"	3'-11"	4'-11"	5'-0"	1'-7"	1'-7"
150 MPH	4'-8"	5'-9"	5'-10"	4'-6"	5'-7"	5'-9"	3'-10"	4'-8"	4'-10"	1'-6"	1'-6"

1-1/4" x 12" x 0.030" 2 or 5 Rib Riser Panels											
Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang/ Cantilever	
	1&2	3	4	1&2	3	4	1&2	3	4	span	Roofs
100 MPH	6'-11"	8'-10"	8'-0"	6'-5"	8'-1"	8'-3"	5'-4"	6'-7"	6'-9"	2'-1"	2'-1"
110 MPH	6'-7"	8'-4"	8'-5"	6'-11"	7'-5"	7'-7"	5'-0"	6'-2"	6'-4"	1'-11"	1'-11"
120 MPH	6'-3"	7'-11"	8'-1"	5'-8"	7'-0"	7'-2"	4'-9"	5'-9"	5'-11"	1'-10"	1'-10"
123 MPH	6'-2"	7'-7"	7'-11"	5'-7"	6'-11"	7'-0"	4'-8"	5'-8"	5'-10"	1'-10"	1'-10"
130 MPH	5'-11"	7'-3"	7'-5"	5'-4"	6'-1"	6'-9"	4'-6"	5'-6"	5'-8"	1'-9"	1'-9"
140 MPH	4'-11"	6'-2"	6'-3"	4'-11"	6'-2"	6'-3"	4'-3"	5'-3"	5'-5"	1'-8"	1'-8"
150 MPH	4'-11"	6'-2"	6'-3"	4'-10"	6'-0"	6'-1"	4'-1"	5'-0"	5'-2"	1'-7"	1'-7"

1-1/4" x 12" x 0.036" 2 or 5 Rib Riser Panels											
Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang/ Cantilever	
	1&2	3	4	1&2	3	4	1&2	3	4	span	Roofs
100 MPH	8'-5"	10'-4"	10'-7"	7'-6"	9'-8"	9'-8"	6'-3"	7'-11"	8'-2"	2'-5"	2'-5"
110 MPH	7'-11"	9'-8"	9'-11"	7'-0"	8'-10"	8'-1"	5'-11"	7'-3"	7'-5"	2'-3"	2'-3"
120 MPH	7'-4"	9'-3"	9'-5"	6'-6"	8'-4"	8'-6"	5'-6"	6'-10"	6'-11"	2'-2"	2'-2"
123 MPH	7'-2"	9'-1"	9'-3"	6'-6"	8'-3"	8'-5"	5'-5"	6'-10"	6'-11"	2'-1"	2'-1"
130 MPH	6'-11"	8'-5"	8'-10"	6'-3"	7'-11"	8'-2"	5'-5"	6'-6"	6'-7"	2'-1"	2'-1"
140 MPH	5'-10"	7'-2"	7'-4"	5'-10"	7'-2"	7'-4"	5'-0"	6'-2"	6'-4"	1'-11"	1'-11"
150 MPH	5'-10"	7'-2"	7'-4"	5'-8"	7'-0"	7'-2"	4'-9"	5'-11"	6'-0"	1'-10"	1'-10"

Note: Total roof panel width = room width + wall width + overhang.

Table 7.1.2 Allowable Spans for Industry Standard Riser Panels for Various Loads
Aluminum Alloy 3105 H-14 or H-25

1-1/2" x 12" x 0.024" 2 or 5 Rib Riser Panels											
Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang/ Cantilever	
	1&2	3	4	1&2	3	4	1&2	3	4	span	Roofs
100 MPH	16'-11"	21'-0"	21'-5"	15'-11"	20'-4"	20'-8"	13'-6"	16'-8"	17'-7"	4'-0"	4'-0"
110 MPH	16'-6"	21'-0"	21'-5"	14'-10"	19'-3"	19'-8"	13'-6"	16'-8"	17'-7"	4'-0"	4'-0"
120 MPH	15'-7"	20'-4"	20'-8"	14'-3"	18'-4"	18'-9"	11'-6"	14'-9"	15'-0"	4'-0"	4'-0"
123 MPH	15'-4"	19'-10"	20'-3"	13'-11"	17'-11"	18'-4"	11'-4"	14'-8"	14'-9"	4'-0"	4'-0"
130 MPH	14'-10"	18'-9"	19'-2"	13'-6"	16'-8"	17'-1"	10'-11"	13'-11"	14'-3"	3'-11"	3'-11"
140 MPH	11'-9"	14'-7"	14'-10"	11'-9"	14'-7"	14'-10"	10'-5"	13'-4"	13'-7"	3'-9"	3'-9"
150 MPH	11'-9"	14'-7"	14'-10"	11'-9"	14'-7"	14'-10"	10'-5"	13'-4"	13'-7"	3'-9"	3'-9"

1-1/2" x 12" x 0.030" 2 or 5 Rib Riser Panels											
Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang/ Cantilever	
	1&2	3	4	1&2	3	4	1&2	3	4	span	Roofs
100 MPH	8'-6"	10'-5"	10'-8"	7'-10"	9'-8"	9'-10"	6'-4"	8'-1"	8'-3"	2'-6"	2'-6"
110 MPH	8'-0"	9'-11"	10'-1"	7'-2"	8'-11"	9'-2"	5'-11"	7'-4"	7'-6"	2'-4"	2'-4"
120 MPH	7'-5"	8'-5"	8'-7"	6'-9"	8'-5"	8'-6"	5'-7"	6'-11"	7'-1"	2'-2"	2'-2"
123 MPH	7'-3"	8'-2"	8'-5"	6'-7"	8'-4"	8'-6"	5'-6"	6'-10"	6'-11"	2'-2"	2'-2"
130 MPH	6'-11"	8'-10"	8'-11"	6'-4"	8'-1"	8'-3"	5'-4"	6'-7"	6'-8"	2'-1"	2'-1"
140 MPH	5'-11"	7'-3"	7'-5"	5'-11"	7'-3"	7'-5"	5'-1"	6'-3"	6'-5"	1'-11"	1'-11"
150 MPH	5'-11"	7'-3"	7'-5"	5'-9"	7'-2"	7'-3"	4'-10"	5'-11"	6'-1"	1'-11"	1'-11"

1-1/2" x 12" x 0.036" 2 or 5 Rib Riser Panels											
Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang/ Cantilever	
	1&2	3	4	1&2	3	4	1&2	3	4	span	Roofs
100 MPH	9'-11"	12'-3"	12'-6"	8'-1"	11'-3"	11'-6"	7'-5"	9'-5"	9'-8"	2'-11"	2'-11"
110 MPH	9'-4"	11'-7"	11'-9"	8'-6"	10'-6"	10'-9"	6'-7"	8'-10"	8'-11"	2'-8"	2'-8"
120 MPH	8'-11"	10'-11"	11'-2"	8'-0"	10'-1"	10'-4"	6'-7"	8'-4"	8'-5"	2'-7"	2'-7"
123 MPH	8'-8"	10'-8"	10'-11"	7'-11"	8'-8"	8'-11"	6'-5"	8'-3"	8'-4"	2'-6"	2'-6"
130 MPH	8'-4"	10'-4"	10'-6"	7'-5"	9'-5"	9'-8"	6'-1"	7'-11"	8'-1"	2'-5"	2'-5"
140 MPH	6'-11"	8'-6"	8'-8"	6'-11"	8'-6"	8'-8"	5'-11"	7'-4"	7'-6"	2'-4"	2'-4"
150 MPH	6'-11"	8'-6"	8'-8"	6'-9"	8'-6"	8'-8"	5'-9"	7'-0"	7'-2"	2'-2"	2'-2"

Note: Total roof panel width = room width + wall width + overhang.

Table 7.1.3 Allowable Spans for Industry Standard Riser Panels for Various Loads
Aluminum Alloy 3105 H-14 or H-25

3" x 12" x 0.024" 2 or 5 Rib Riser Panels											
Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang/ Cantilever	
	1&2	3	4	1&2	3	4	1&2	3	4	span	Roofs
100 MPH	14'-5"	17'-10"	18'-2"	13'-7"	16'-9"	17'-7"	11'-1"	14'-2"	14'-5"	4'-0"	4'-0"
110 MPH	13'-11"	17'-10"	18'-2"	12'-7"	15'-7"	16'-1"	10'-4"	13'-4"	13'-7"	3'-11"	3'-11"
120 MPH	13'-3"	16'-4"	16'-7"	11'-8"	14'-11"	15'-3"	9'-9"	12'-6"	12'-9"	3'-8"	3'-8"
123 MPH	13'-0"	16'-1"	16'-5"	11'-6"	14'-8"	14'-11"	9'-8"	12'-4"	12'-6"	3'-8"	3'-8"
130 MPH	12'-7"	15'-7"	15'-11"	11'-1"	14'-2"	14'-5"	9'-4"	11'-8"	11'-9"	3'-6"	3'-6"
140 MPH	10'-0"	12'-4"	12'-7"	10'-0"	12'-4"	12'-7"	8'-10"	10'-11"	11'-2"	3'-4"	3'-4"
150 MPH	10'-0"	12'-4"	12'-7"	10'-0"	12'-4"	12'-7"	8'-5"	10'-5"	10'-8"	3'-2"	3'-2"

3" x 12" x 0.030" 2 or 5 Rib Riser Panels											
Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang/ Cantilever	
	1&2	3	4	1&2	3	4	1&2	3	4	span	Roofs
100 MPH	15'-7"	19'-3"	19'-8"	14'-8"	18'-5"	19'-1"	12'-5"	15'-4"	15'-7"	4'-0"	4'-0"
110 MPH	15'-1"	18'-3"	18'-6"	13'-7"	17'-8"	18'-0"	11'-2"	14'-5"	14'-8"	4'-0"	4'-0"
120 MPH	14'-3"	18'-8"	19'-1"	13'-1"	16'-2"	16'-6"	10'-7"	13'-6"	13'-9"	4'-0"	4'-0"
123 MPH	14'-1"	18'-2"	18'-7"	12'-5"	15'-10"	16'-2"	10'-5"	13'-3"	13'-7"	3'-11"	3'-11"
130 MPH	13'-7"	18'-10"	17'-7"	12'-5"	15'-4"	15'-7"	10'-1"	12'-10"	13'-1"	3'-10"	3'-10"
140 MPH	10'-10"	13'-4"	13'-8"	10'-10"	13'-4"	13'-8"	9'-7"	11'-10"	12'-6"	3'-7"	3'-7"
150 MPH	10'-10"	13'-4"	13'-8"	10'-10"	13'-4"	13'-8"	9'-1"	11'-3"	11'-6"	3'-5"	3'-5"

3" x 12" x 0.036" 2 or 5 Rib Riser Panels											
Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang/ Cantilever	
	1&2	3	4	1&2	3	4	1&2	3	4	span	Roofs
100 MPH	18'-3"	22'-6"	22'-11"	17'-6"	21'-10"	22'-3"	14'-5"	18'-6"	18'-10"	4'-0"	4'-0"
110 MPH	18'-3"	22'-6"	22'-11"	15'-11"	20'-7"	21'-0"	13'-7"	17'-7"	17'-11"	4'-0"	4'-0"
120 MPH	17'-8"	21'-10"	22'-3"	15'-3"	19'-8"	20'-1"	12'-8"	15'-9"	16'-1"	4'-0"	4'-0"
123 MPH	16'-5"	21'-3"	21'-8"	15'-0"	19'-3"	19'-8"	12'-7"	15'-6"	15'-10"	4'-0"	4'-0"
130 MPH	15'-11"	20'-1"	20'-6"	14'-5"	18'-6"	18'-10"	11'-9"	14'-11"	15'-3"	4'-0"	4'-0"
140 MPH	12'-8"	15'-7"	15'-11"	12'-6"	15'-7"	16'-1"	11'-2"	14'-4"	14'-7"	4'-0"	4'-0"
150 MPH	12'-8"	15'-7"	15'-11"	12'-6"	15'-7"	16'-1"	11'-2"	14'-4"	14'-7"	4'-0"	4'-0"

Note: Total roof panel width = room width + wall width + overhang.

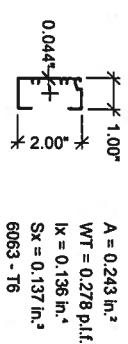
Table 7.1.4 Allowable Spans for Industry Standard Riser Panels for Various Loads
Aluminum Alloy 3105 H-28

3" x 12" x 0.024" 2 or 5 Rib Riser Panels											
Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang/ Cantilever	
	1&2	3	4	1&2	3	4	1&2	3	4	span	Roofs
100 MPH	14'-7"	17'-11"	18'-4"	13'-8"	17'-5"	17'-9"	11'-2"	14'-3"	14'-7"	4'-0"	4'-0"
110 MPH	14'-1"	17'-11"	18'-4"	12'-9"	15'-9"	16'-0"	10'-6"	13'-5"	13'-9"	3'-11"	3'-11"
120 MPH	13'-4"	17'-5"	17'-9"	11'-8"	15'-1"	15'-5"	9'-11"	12'-7"	12'-10"	3'-9"	3'-9"
123 MPH	13'-2"	16'-3"	16'-7"	11'-2"	14'-3"	14'-7"	9'-5"	11'-8"	11'-10"	3'-8"	3'-8"
130 MPH	12'-9"	15'-9"	16'-0"	11'-2"	14'-3"	14'-7"	9'-5"	11'-8"	11'-10"	3'-7"	3'-7"
140 MPH	10'-1"	12'-6"	12'-9"	10'-1"	12'-6"	12'-9"	8'-11"	11'-1"	11'-3"	3'-4"	3'-4"
150 MPH	10'-1"	12'-6"	12'-9"	10'-1"	12'-6"	12'-9"	8'-6"	10'-6"	10'-9"	3'-3"	3'-3"

3" x 12" x 0.030" 2 or 5 Rib Riser Panels												Overhang / Cantilever All Roofs
Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers				Glass & Modular Rooms Enclosed				
	1&2 span	3 span	4 span	1&2 span	3 span	4 span	1&2 span	3 span	4 span			
10-15 MPH	15.9*	18.5*	18-10*	14-10*	18-10*	18-2*	12-6*	15.5*	15.9*	4-0*		
16-20 MPH	14.3*	18-5*	18-10*	13-9*	17-13*	18-2*	11-5*	13.8*	14-10*	4-0*		
21-25 MPH	15.5*	18-10*	19-2*	13-2*	18-3*	16-7*	11-3*	13.7*	13-11*	4-0*		
30-33 MPH	14.2*	18-4*	17-9*	12-6*	15-11*	16-4*	10-6*	13.5*	13-8*	3-11*		
33-38 MPH	13.9*	17-4*	17-9*	12-6*	15-5*	15-9*	10-2*	12-11*	13-2*	3-10*		
40-45 MPH	13.5*	16-10*	17-11*	12-6*	13-9*	8-6*	9-6*	12-4*	12-2*	3-8*		
45-50 MPH	13.5*	15-9*	16-10-11*	13-5*	13-9*	8-6*	9-2*	11-7*	11-7*	3-5*		

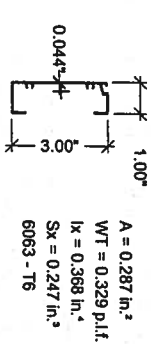
General Notes and Specifications:

The following extrusions are considered to be "Industry Standard" shapes. The properties are based on die drawings furnished by Florida Extruders International, Inc..



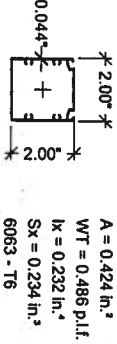
A = 0.243 in.²
WT = 0.278 p.l.f.
Ix = 0.136 in.⁴
Sx = 0.137 in.³
6063 - T6

1" x 2" x 0.044" OPEN BACK SECTION
SCALE: 2" = 1'-0"



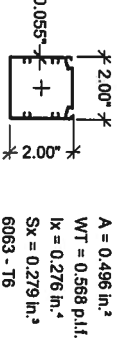
A = 0.287 in.²
WT = 0.329 p.l.f.
Ix = 0.368 in.⁴
Sx = 0.247 in.³
6063 - T6

1" x 3" x 0.044" OPEN BACK SECTION
SCALE: 2" = 1'-0"



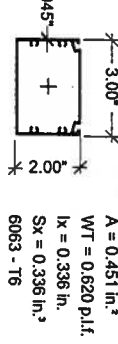
A = 0.424 in.²
WT = 0.486 p.l.f.
Ix = 0.232 in.⁴
Sx = 0.234 in.³
6063 - T6

2" x 2" x 0.044" PATIO SECTION
SCALE: 2" = 1'-0"



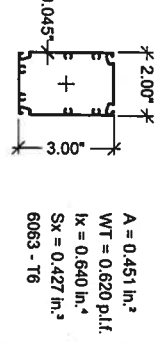
A = 0.486 in.²
WT = 0.568 p.l.f.
Ix = 0.276 in.⁴
Sx = 0.279 in.³
6063 - T6

2" x 2" x 0.055" PATIO SECTION
SCALE: 2" = 1'-0"



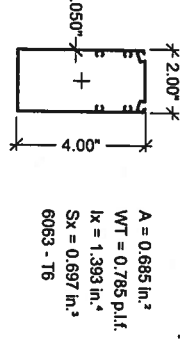
A = 0.451 in.²
WT = 0.620 p.l.f.
Ix = 0.336 in.⁴
Sx = 0.336 in.³
6063 - T6

3" x 2" x 0.045" PATIO SECTION
SCALE: 2" = 1'-0"



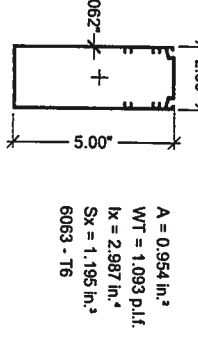
A = 0.451 in.²
WT = 0.620 p.l.f.
Ix = 0.640 in.⁴
Sx = 0.427 in.³
6063 - T6

2" x 3" x 0.045" PATIO SECTION
SCALE: 2" = 1'-0"



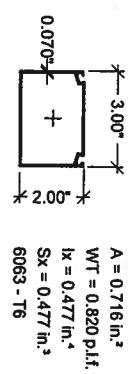
A = 0.685 in.²
WT = 0.785 p.l.f.
Ix = 1.393 in.⁴
Sx = 0.687 in.³
6063 - T6

2" x 4" x 0.050" PATIO SECTION
SCALE: 2" = 1'-0"



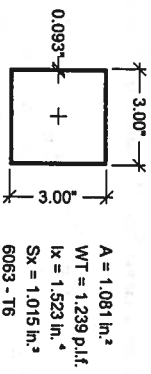
A = 0.954 in.²
WT = 1.093 p.l.f.
Ix = 2.987 in.⁴
Sx = 1.195 in.³
6063 - T6

2" x 5" x 0.062" PATIO SECTION
SCALE: 2" = 1'-0"



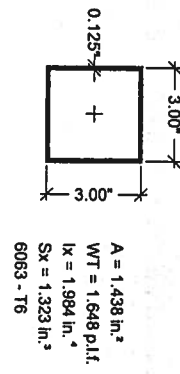
A = 0.716 in.²
WT = 0.820 p.l.f.
Ix = 0.477 in.⁴
Sx = 0.477 in.³
6063 - T6

3" x 2" x 0.070" PATIO SECTION
SCALE: 2" = 1'-0"



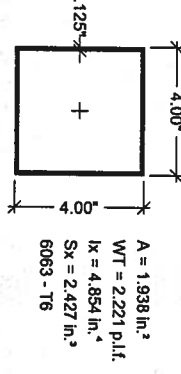
A = 1.081 in.²
WT = 1.239 p.l.f.
Ix = 1.523 in.⁴
Sx = 1.015 in.³
6063 - T6

3" x 3" x 0.093" PATIO SECTION
SCALE: 2" = 1'-0"



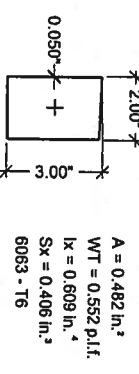
A = 1.438 in.²
WT = 1.648 p.l.f.
Ix = 1.984 in.⁴
Sx = 1.323 in.³
6063 - T6

3" x 3" x 0.125" PATIO SECTION
SCALE: 2" = 1'-0"



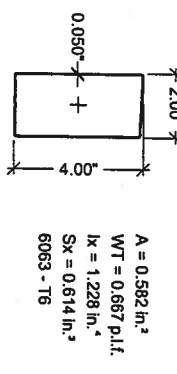
A = 1.938 in.²
WT = 2.221 p.l.f.
Ix = 4.854 in.⁴
Sx = 2.427 in.³
6063 - T6

4" x 4" x 0.125" PATIO SECTION
SCALE: 2" = 1'-0"



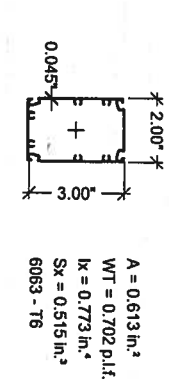
A = 0.482 in.²
WT = 0.552 p.l.f.
Ix = 0.609 in.⁴
Sx = 0.406 in.³
6063 - T6

2" x 3" x 0.050" TILT SECTION
SCALE: 2" = 1'-0"



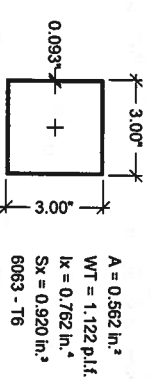
A = 0.582 in.²
WT = 0.667 p.l.f.
Ix = 1.228 in.⁴
Sx = 0.614 in.³
6063 - T6

2" x 4" x 0.050" TILT SECTION
SCALE: 2" = 1'-0"



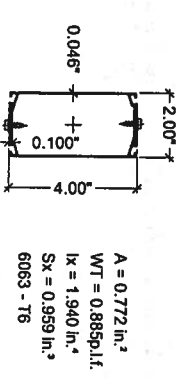
A = 0.613 in.²
WT = 0.702 p.l.f.
Ix = 0.773 in.⁴
Sx = 0.515 in.³
6063 - T6

2" x 3" x 0.045" SPECIAL SECTION
SCALE: 2" = 1'-0"



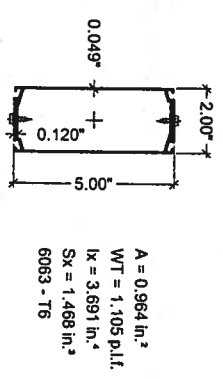
A = 0.562 in.²
WT = 1.122 p.l.f.
Ix = 0.762 in.⁴
Sx = 0.920 in.³
6063 - T6

3" x 3" x 0.045" FLUTED SECTION
SCALE: 2" = 1'-0"



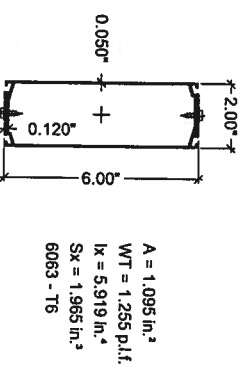
A = 0.772 in.²
WT = 0.885 p.l.f.
Ix = 1.984 in.⁴
Sx = 0.959 in.³
6063 - T6

2" x 4" x 0.046" x 0.100" SELF MATING BEAM
SCALE: 2" = 1'-0"



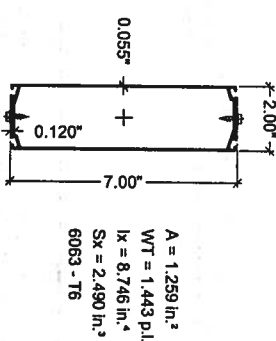
A = 0.964 in.²
WT = 1.105 p.l.f.
Ix = 3.691 in.⁴
Sx = 1.468 in.³
6063 - T6

2" x 5" x 0.050" x 0.120" SELF MATING BEAM
SCALE: 2" = 1'-0"



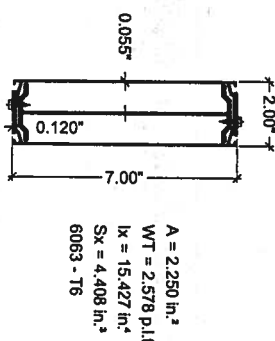
A = 1.095 in.²
WT = 1.255 p.l.f.
Ix = 5.919 in.⁴
Sx = 1.965 in.³
6063 - T6

2" x 6" x 0.050" x 0.120" SELF MATING BEAM
SCALE: 2" = 1'-0"



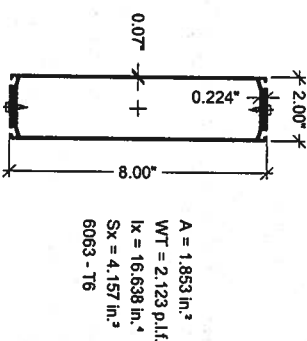
A = 1.259 in.²
WT = 1.443 p.l.f.
Ix = 8.746 in.⁴
Sx = 2.490 in.³
6063 - T6

2" x 7" x 0.055" x 0.120" SELF MATING BEAM
SCALE: 2" = 1'-0"



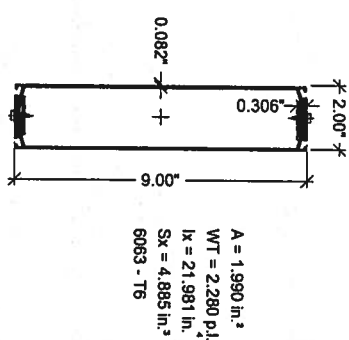
A = 2.250 in.²
WT = 2.578 p.l.f.
Ix = 15.427 in.⁴
Sx = 4.408 in.³
6063 - T6

2" x 7" x 0.055" x 0.120" SELF MATING BEAM W/ INSERT
SCALE: 2" = 1'-0"



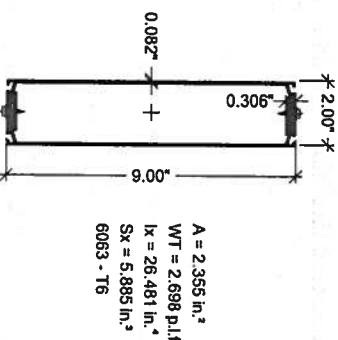
A = 1.853 in.²
WT = 2.123 p.l.f.
Ix = 16.638 in.⁴
Sx = 4.157 in.³
6063 - T6

2" x 8" x 0.072" x 0.224" SELF MATING BEAM
SCALE: 2" = 1'-0"



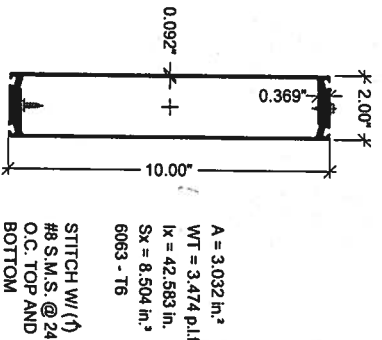
A = 1.990 in.²
WT = 2.280 p.l.f.
Ix = 21.981 in.⁴
Sx = 4.885 in.³
6063 - T6

2" x 9" x 0.082" x 0.224" SELF MATING BEAM
SCALE: 2" = 1'-0"



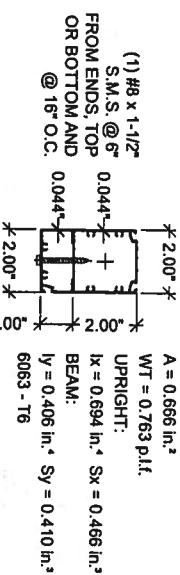
A = 2.355 in.²
WT = 2.698 p.l.f.
Ix = 26.481 in.⁴
Sx = 5.885 in.³
6063 - T6

2" x 9" x 0.082" x 0.306" SELF MATING BEAM
SCALE: 2" = 1'-0"



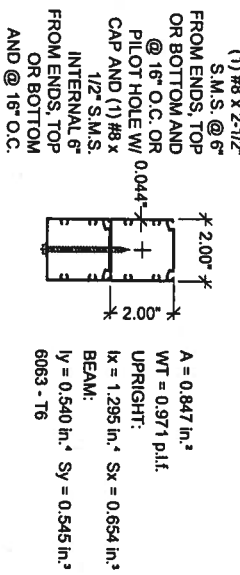
A = 3.032 in.²
WT = 3.474 p.l.f.
Ix = 42.583 in.⁴
Sx = 8.504 in.³
6063 - T6

2" x 10" x 0.092" x 0.369" SELF MATING BEAM
SCALE: 2" = 1'-0"



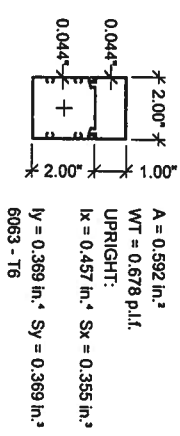
A = 0.666 in.²
WT = 0.763 p.l.f.
Ix = 0.664 in.⁴
Sx = 0.466 in.³
6063 - T6

1" x 2" x 0.044" OPEN BACK SECTION WITH 2" x 2" x 0.044" PATIO SECTION
SCALE: 2" = 1'-0"



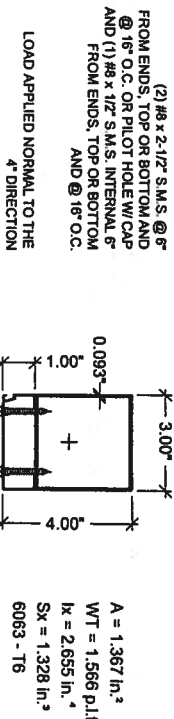
A = 0.847 in.²
WT = 0.971 p.l.f.
Ix = 1.295 in.⁴
Sx = 0.654 in.³
6063 - T6

2" x 2" x 0.044" PATIO SECTION WITH 2" x 2" x 0.044" PATIO SECTION
SCALE: 2" = 1'-0"



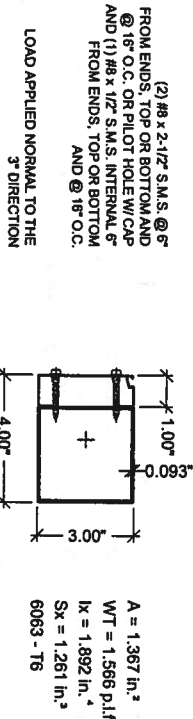
A = 0.592 in.²
WT = 0.678 p.l.f.
Ix = 0.457 in.⁴
Sx = 0.355 in.³
6063 - T6

1" x 2" x 0.044" SNAP CAP SECTION WITH 2" x 2" x 0.044" PATIO SECTION
SCALE: 2" = 1'-0"



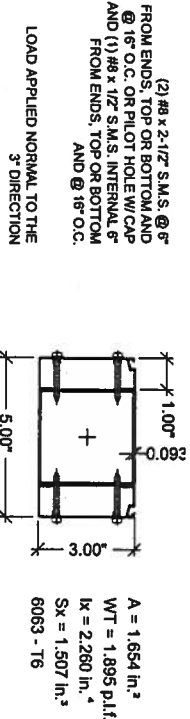
**1" x 3" x 0.044" OPEN BACK SECTION WITH
3" x 3" x 0.093" PATIO SECTION CORNER POST**

SCALE: 2" = 1'-0"



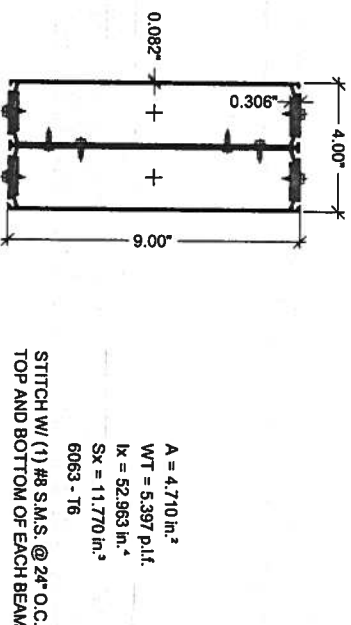
**1" x 3" x 0.044" OPEN BACK SECTION WITH
3" x 3" x 0.093" PATIO SECTION WALL POST**

SCALE: 2" = 1'-0"



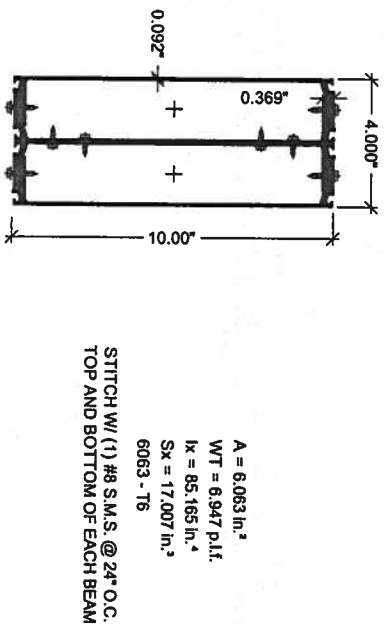
**(2) 1" x 3" x 0.044" OPEN BACK SECTION WITH
3" x 3" x 0.093" PATIO SECTION WALL POST**

SCALE: 2" = 1'-0"



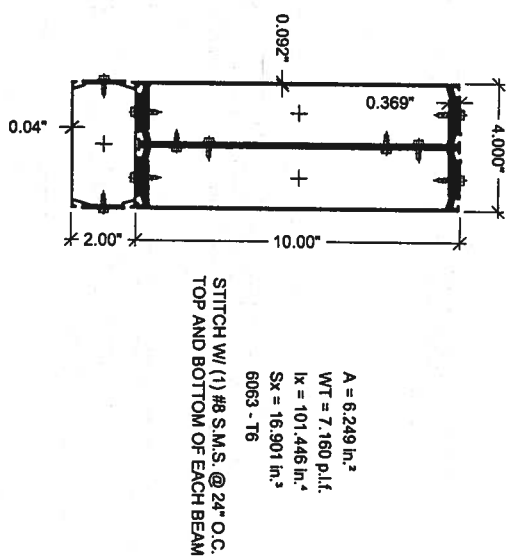
(2) 2" x 9" x 0.082" x 0.306" SELF MATING BEAMS

SCALE: 2" = 1'-0"



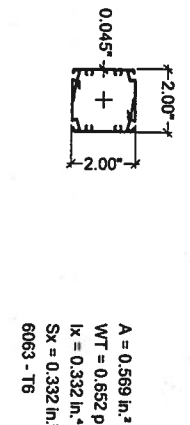
(2) 2" x 10" x 0.092" x 0.369" SELF MATING BEAMS

SCALE: 2" = 1'-0"



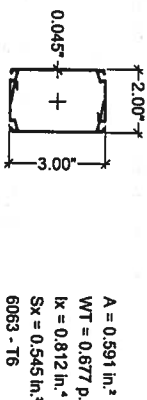
**(2) 2" x 10" x 0.092" x 0.369" SELF MATING BEAMS
WITH 2" x 4" x 0.038"**

SCALE: 2" = 1'-0"



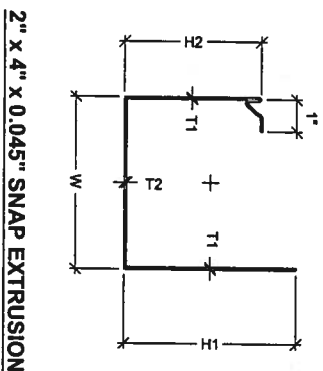
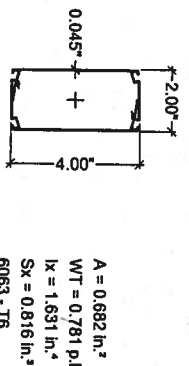
2" x 2" x 0.045" SNAP EXTRUSION

SCALE: 2" = 1'-0"



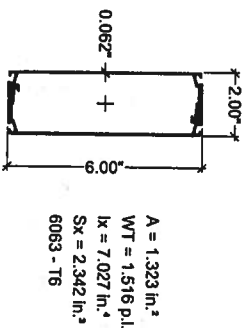
2" x 3" x 0.045" SNAP EXTRUSION

SCALE: 2" = 1'-0"



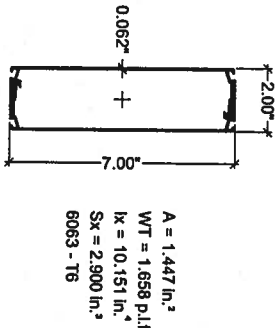
2" x 4" x 0.045" SNAP EXTRUSION

SCALE: 2" = 1'-0"



2" x 6" x 0.062" SNAP EXTRUSION

SCALE: 2" = 1'-0"



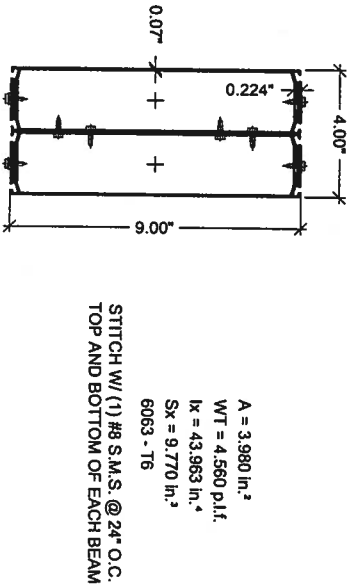
2" x 7" x 0.062" SNAP EXTRUSION

SCALE: 2" = 1'-0"

Section Alloy	W	H	t1	t2	A	I _x	I _y	S _x	S _y	R _x	R _y	
	In.	In.	In.	In.	In. ²	In. ⁴	In. ⁴	In. ³	In. ³	In.	In.	
	H1 6	0.08	0.08	1.18	3.81	4.05	0.96 (T)	3.40 (L)	1.8	1.85		
6063 T-5	4	H2 4 (.69 (B)) 1.44 (R)										
Gutter	6063 T-5	5	H1 5	0.065	0.065	0.96	2.45	4.43	0.73 (T)	1.80 (L)	1.59	2.14
Edge		H2 4 (.49 (B)) 1.74 (R)										

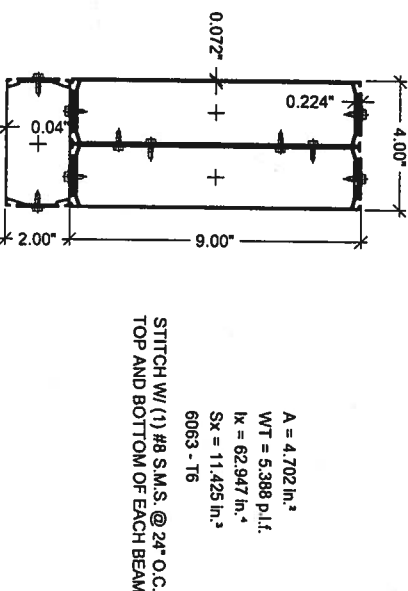
(2) 2" x 9" x 0.072" x 0.224" SELF MATING BEAMS

SCALE: 2" = 1'-0"



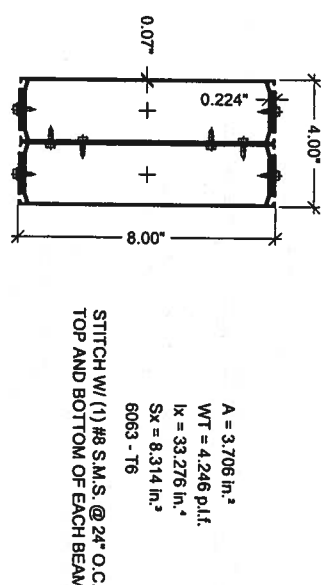
(2) 2" x 9" x 0.072" x 0.224" SELF MATING BEAMS W/ 2" x 4" x 0.038"

SCALE: 2" = 1'-0"



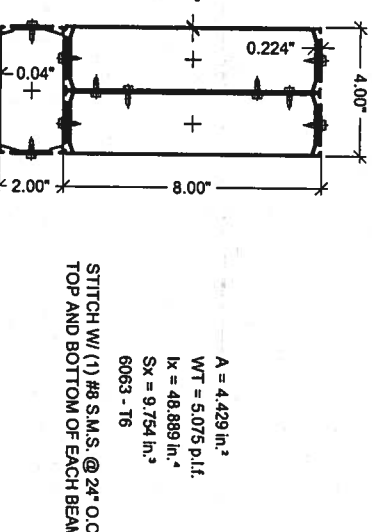
(2) 2" x 8" x 0.072" x 0.224" SELF MATING BEAMS

SCALE: 2" = 1'-0"



(2) 2" x 8" x 0.072" x 0.224" SELF MATING BEAMS

SCALE: 2" = 1'-0"



(2) 2" x 8" x 0.072" x 0.224" SELF MATING BEAMS W/ 2" x 4" x 0.038"

SCALE: 2" = 1'-0"

