

For Office Use Only Application # 0604-77 Date Received 4-25-06 By G Permit # 24520
Application Approved by - Zoning Official BLK Date 4-26-06 Plans Examiner OK JTH Date 4-26-06
Flood Zone X Development Permit N/A Zoning RSF-1 Land Use Plan Map Category RES U.L.D. Rev.
Comments _____

Applicants Name Richardson Aluminum LLC Phone 386-755-5779
Address 692 S.W. Arlington Blvd. LAKE CITY, FL 32025
Owners Name Allen W + Beverly B Scott Phone 386-623-3028
911 Address 148 S.W. Royal Ct. Lake City Fla. 32024
Contractors Name Richardson Aluminum LLC Phone 386-755-5779
Address 692 S.W. Arlington Blvd LAKE CITY, FL 32025
Fee Simple Owner Name & Address _____
Bonding Co. Name & Address _____
Architect/Engineer Name & Address Bennett
Mortgage Lenders Name & Address _____

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 21-45-16-03081-102 Estimated Cost of Construction 7500.00
Subdivision Name Kensington Lot 2 Block _____ Unit _____ Phase _____
Driving Directions 247 South to 242 Turn Left Go to Kensington
Subdivision turn Left, 2nd house on Left

Type of Construction Screen Room Number of Existing Dwellings on Property 1
Total Acreage .52 Lot Size 158X143 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 61 Side 63 Side 59 Rear 87
Total Building Height 8' Number of Stories 1 Heated Floor Area 0 Roof Pitch 1/2"

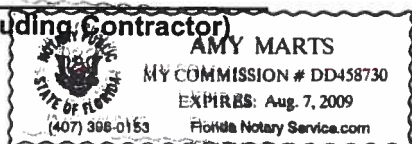
Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

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.

Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA



Sworn to (or affirmed) and subscribed before me
this 25th day of April 2006.
Personally known X or Produced Identification _____

Contractor Signature

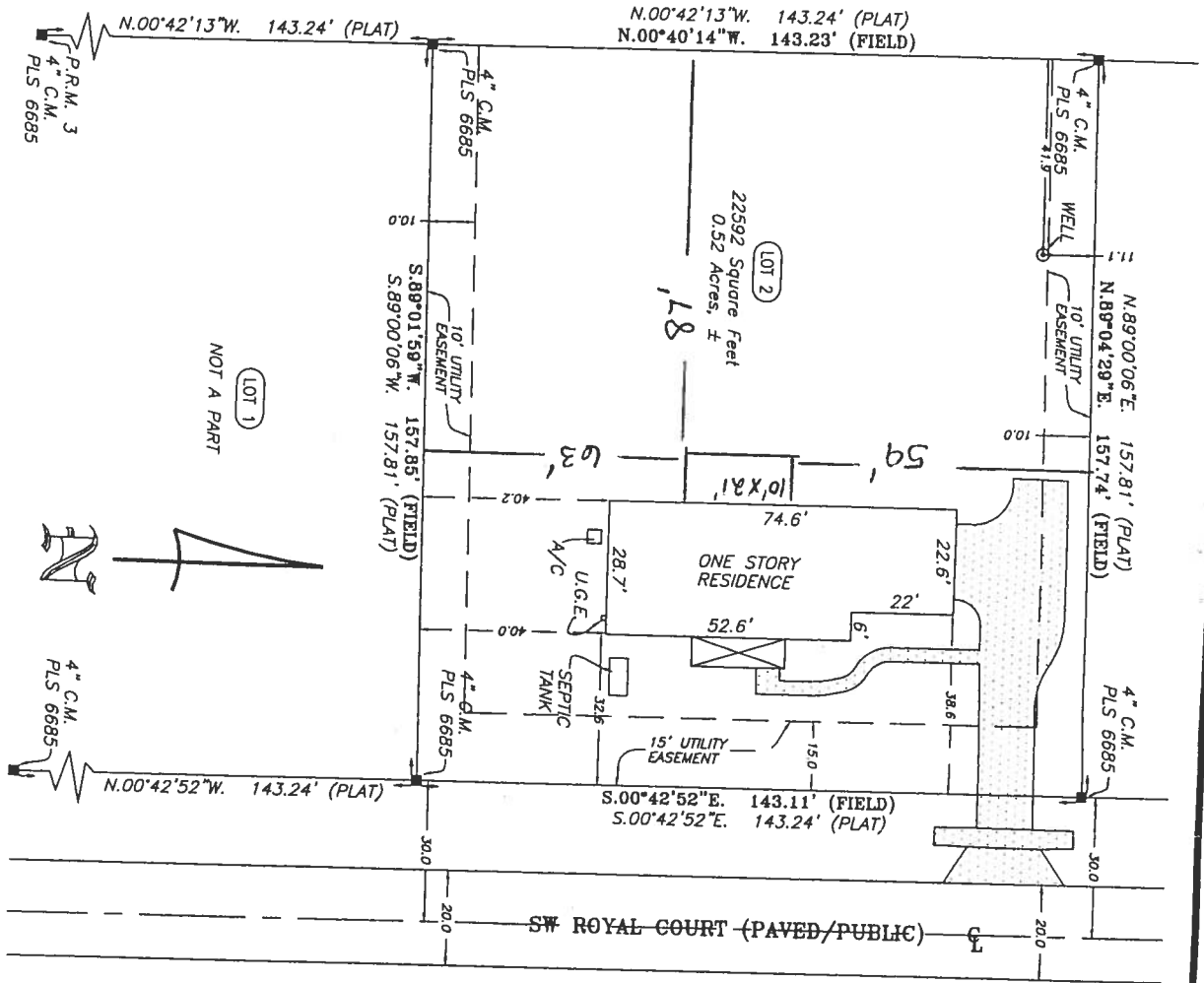
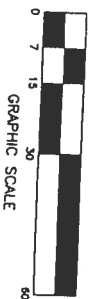
Contractors License Number

Competency Card Number 5129

NOTARY STAMP/SEAL

Notary Signature

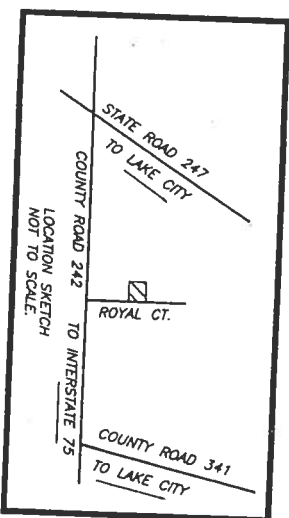
SIGNED: 
MARK D. DUREN, LS 4708



DESCRIPTION:
LOT 2 OF "KENSINGTON" AS PER PLAT THEREOF RECORDED IN PLAT BOOK 6, PAGE 193 & 194, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

- SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF PLAT OF RECORDS.
 2. BEARINGS BASED ON PLAT OF RECORD USING MONUMENTS FOUND FOR THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD INSURANCE RATE MAP, DATED JANUARY 6, 1988, COMMUNITY PANEL NO. 120070 0175 B.
 3. ALL EASEMENTS FOR UTILITY AND/OR DRAINAGE ARE SHOWN.
 4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
 5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
 6. "NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER."
 7. CLOSURE OF FIELD SURVEY IS 1/25,863.
 8. CERTIFIED TO:

ALLEN W. & BEVERLY B. SCOTT
TAYLOR, BEAN, & WHITAKER MORTGAGE CORP.
TERRY MCDONALD, ATTORNEY AT LAW
ATTORNEYS' TITLE INSURANCE COMPANY
OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY
FIRST AMERICAN TITLE INSURANCE COMPANY



SYMBOLS:
CONCRETE
CONCRETE
5/8" IRON PIN
5/8" IRON
WIRE FENCE
ELECTRIC
UNDERGROUND
CABLE T
CHAIN LINK
WOODEN
CORRUGATED
REINFORCED
LAND SUR
LB LICENSED
ORB OFFICIAL
PRM PERMANENT
PCP PERMANENT
UTILITY PC
R/W RIGHT-OF-WAY
NO IDENT
FLA. DEP
C.M. CONCRETE
I.R. IRON ROD
I.P. IRON PIPE

MARK D. DUREN, LS 4708
RT. 1
SISTERS LAKE CH
(386) 75
(386) 7
FIELD SURVEY DATE
DATE DRAWN
FOR: ALLEN W. &
FIELD BOOK NO.
DRAWN BY: ARB/MS
WO# 0

OFFICIAL RECORDS

01-10252

FILED AND RECORDED IN PUBLIC
RECORDS OF COLUMBIA COUNTY, FL

'01 JUN -6 PM 12: 57

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 01-329
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328Grantee #1 S.S. No.
Grantee #2 S.S. No.Property Appraiser's
Parcel Identification No. R03081-102

\$ 805.00
 Documentary Stamp
 Intangible Tax
 P. DeWitt Cason
 Clerk of Court
 By MC K D.C.

WARRANTY DEED

THIS INDENTURE, made this 30th day of May, 2001, between WOODMAN PARK BUILDERS, INC., a corporation existing under the laws of the State of Florida, whose post office address is: Route 3, Box 531, Lake City, FL 32025 and having its principal place of business in the County of Columbia, State of Florida, party of the first part, and ALLEN W. SCOTT and BEVERLY B. SCOTT, Husband and Wife, whose post office address is: Route 13, Box 919-37, Lake City, FL 32055, of the County of Columbia, State of Florida, party of the second part,

WITNESSETH: that the said party of the first part, for and in consideration of the sum of Ten Dollars (\$10.00), to it in hand paid, the receipt whereof is hereby acknowledged, has granted, bargained, sold, aliened, remised, released, conveyed and confirmed, and by these presents doth grant, bargain, sell, alien, remise, release, convey and confirm unto the said party of the second part, and their heirs assigns forever, all that certain parcel of land lying and being in the County of Columbia and State of Florida, more particularly described as follows:

Lot 2, KENSINGTON, a subdivision according to the plat thereof, as recorded in Plat Book 6, Pages 193 and 194, Public Records of Columbia County, Florida.

OFFICIAL RECORDS
appurtenances, with every privilege, right, title, interest and
estate, reversion, remainder and easement thereto belong or in
anywise appertaining:

TO HAVE AND TO HOLD the same in fee simple forever.

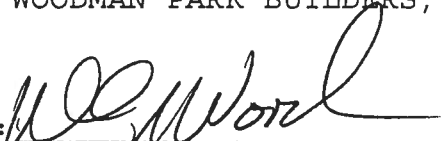
And the said party of the first part doth covenant with said
party of the second part that it is lawfully seized of said
premises; that they are free of all encumbrances, and that it has
good right and lawful authority to sell the same; and the said
party of the first part does hereby fully warrant the title to said
land, and will defend the same against the lawful claims of all
persons whomsoever.


IN WITNESS WHEREOF, the party of the first part has caused
these presents to be signed in its name by its President, the day
and year above written.

Signed, sealed and delivered
in our presence:

WOODMAN PARK BUILDERS, INC.

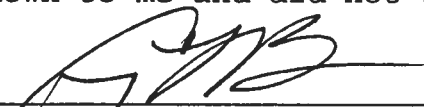

Witness: Crystal L. Brunner

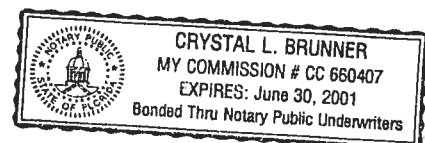
By: 
WILLIAM G. WOOD, President

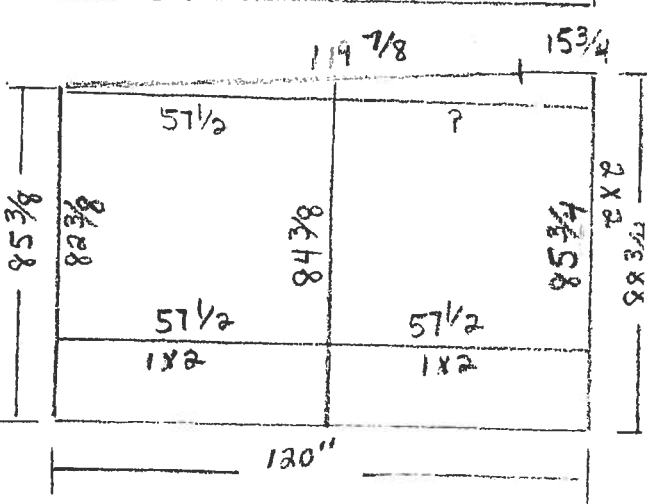

Witness: Myrtle Ann McElroy

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this
30th day of May, 2001, by WILLIAM G. WOOD, President of WOODMAN
PARK BUILDERS, INC., a State of Florida corporation, on behalf of
the corporation. He is personally known to me and did not take an
oath.


Notary Public Crystal L. Brunner
My Commission Expires: _____





1
15/4
3x2
Run to
Floor

SECTION 3A

SCREEN, ACRYLIC & VINYL ROOMS

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 compensated 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' over hang for up to a wind velocity of 120 MPH.
10. Spans may be interpolated between values but not extrapolated outside values.
11. For Design Check List and Inspection Guides for Sreen, Acrylic & Vinyl Rooms, see Appendix (Section 10).
12. 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 All Roofs
100 MPH	+10 / -10	9	+20 / -30
110 MPH	+10 / -11	11	+20 / -36
120 MPH	+10 / -13	13	+20 / -43
123 MPH	+10 / -14	14	+20 / -45
130 MPH	+10 / -15	15	+20 / -50
140A MPH	+30 / -17	18	+30 / -58
140B MPH	+30 / -18	18	+30 / -58
150 MPH	+30 / -20	20	+30 / -67

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-A

Wind Zone Conversions for Screen & Vinyl Rooms

From 120 MPH Wind Zone to Others

Wind Zone MPH	Roofs			Walls		
	Applied Load (#/SF)	Deflection (d)	Bending (b)	Applied Load (#/SF)	Deflection (d)	Bending (b)
100	10	1.09	1.14	10	1.12	1.18
110	11	1.06	1.09	11	1.08	1.13
120	13	1.00	1.00	14	1.00	1.00
123	14	0.98	0.96	15	0.98	0.97
130	15	0.95	0.93	16	0.96	0.94
140A	17	0.91	0.87	18	0.92	0.88
140B	18	0.90	0.85	18	0.92	0.88
150	30	0.76	0.66	21	0.87	0.82

Conversion Table 3A-B

Wind Zone Conversions for Over Hangs All Room Types

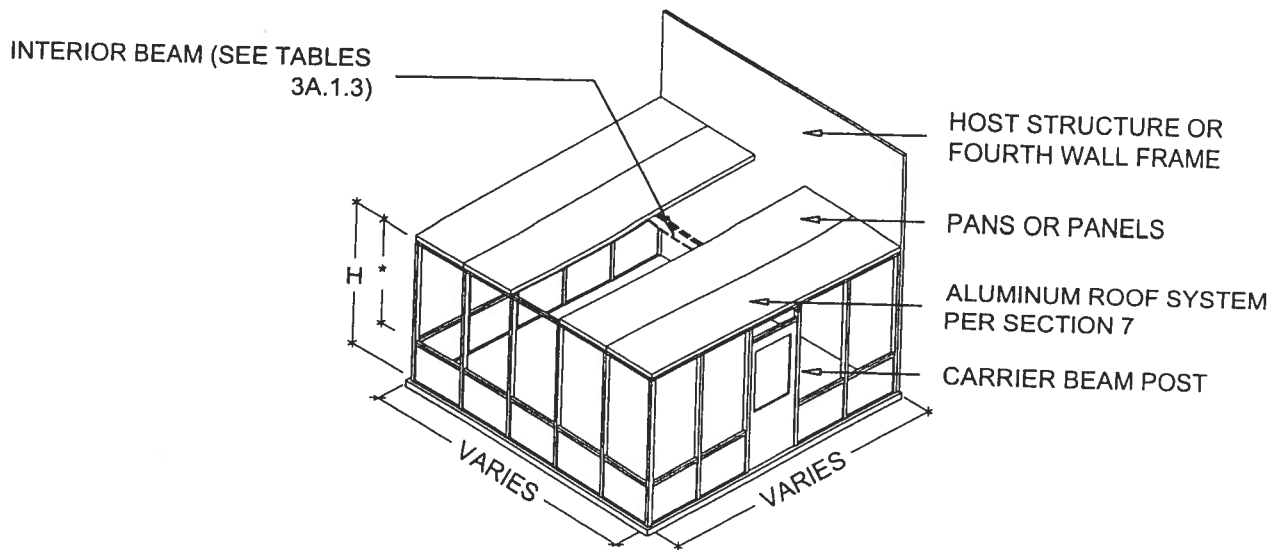
From 120 MPH Wind Zone to Others

Wind Zone MPH	Applied Load (#/SF)	Deflection (d)	Bending (b)
100	30	1.13	1.20
110	36	1.06	1.09
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	58	0.91	0.86
150	67	0.86	0.80

Conversion Table 3A-C

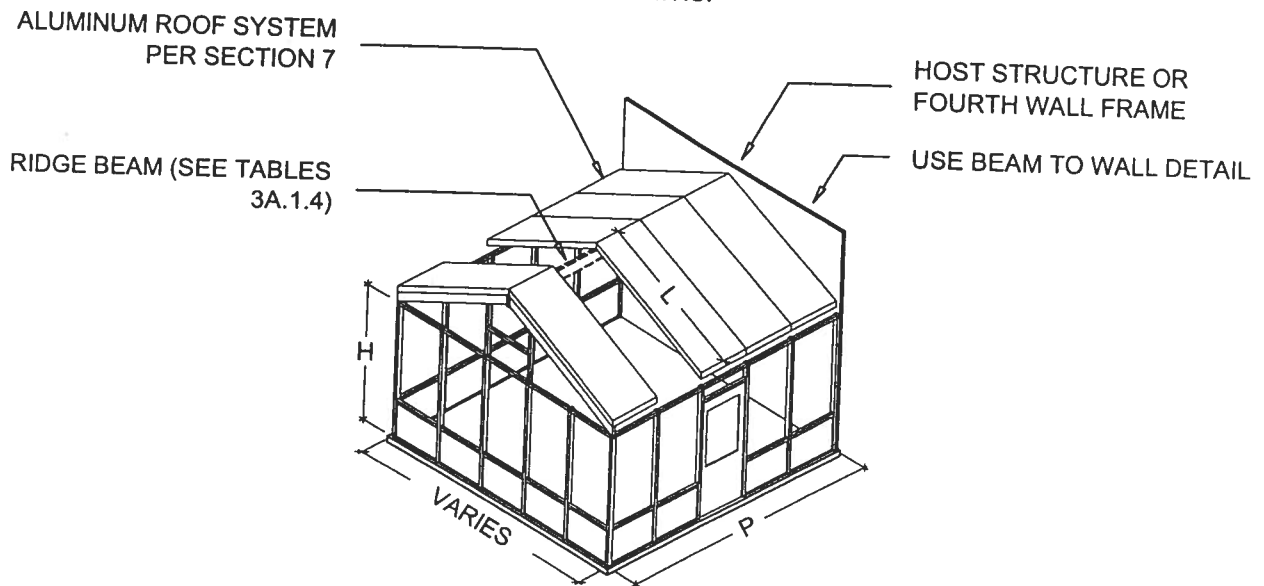
Conversion Based on Mean Height of Host Structure for Screen Rooms From Exposure 'B' to 'C'

Mean Host Structure Height	Load Multiplier	Span 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



TYPICAL SLOPED SOLID ROOF ENCLOSURE

SCALE: N.T.S.



TYPICAL GABLE SOLID ROOF ENCLOSURE

SCALE: N.T.S.

Lawrence E. Bennett, P.E. FL # 16644

CIVIL ENGINEER - DEVELOPMENT CONSULTANT

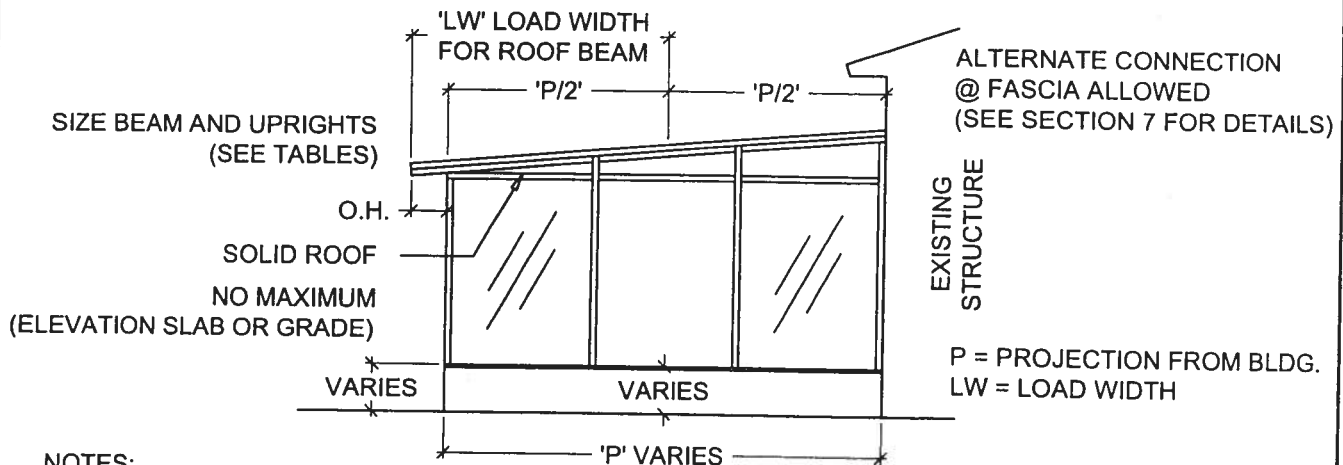
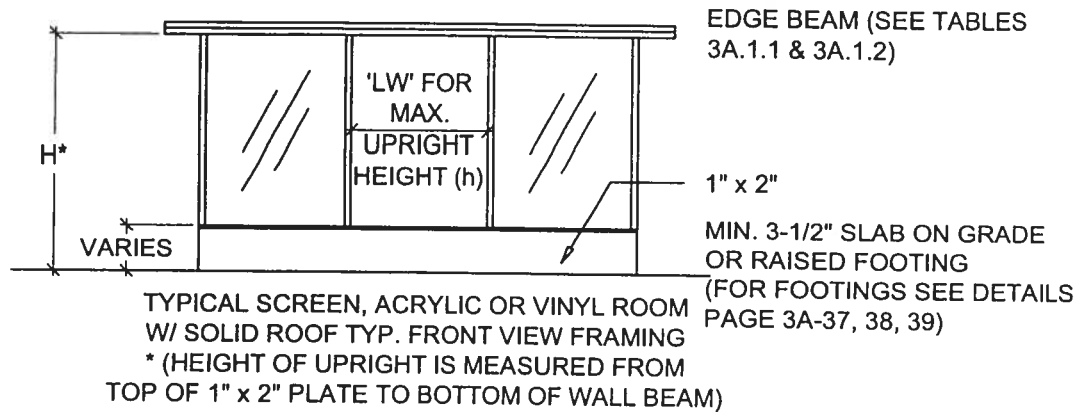
P.O. BOX 214368, SOUTH DAYTONA, FL 32121

TELEPHONE: (386) 767-4774

FAX: (386) 767-6556

SECTION 3A

SCREEN, ACRYLIC & VINYL ROOMS



NOTES:

1. 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.
2. SELECT FRONT WALL BEAM FROM TABLE USING LARGER LOAD WIDTH VALUE OF P/2 OR P/2 + O.H.
3. SELECT SCREEN ROOM FORTH WALL BEAM FROM TABLES 3A.1.3
4. 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: 3/16" = 1'-0"

Lawrence E. Bennett, P.E. FL # 16644

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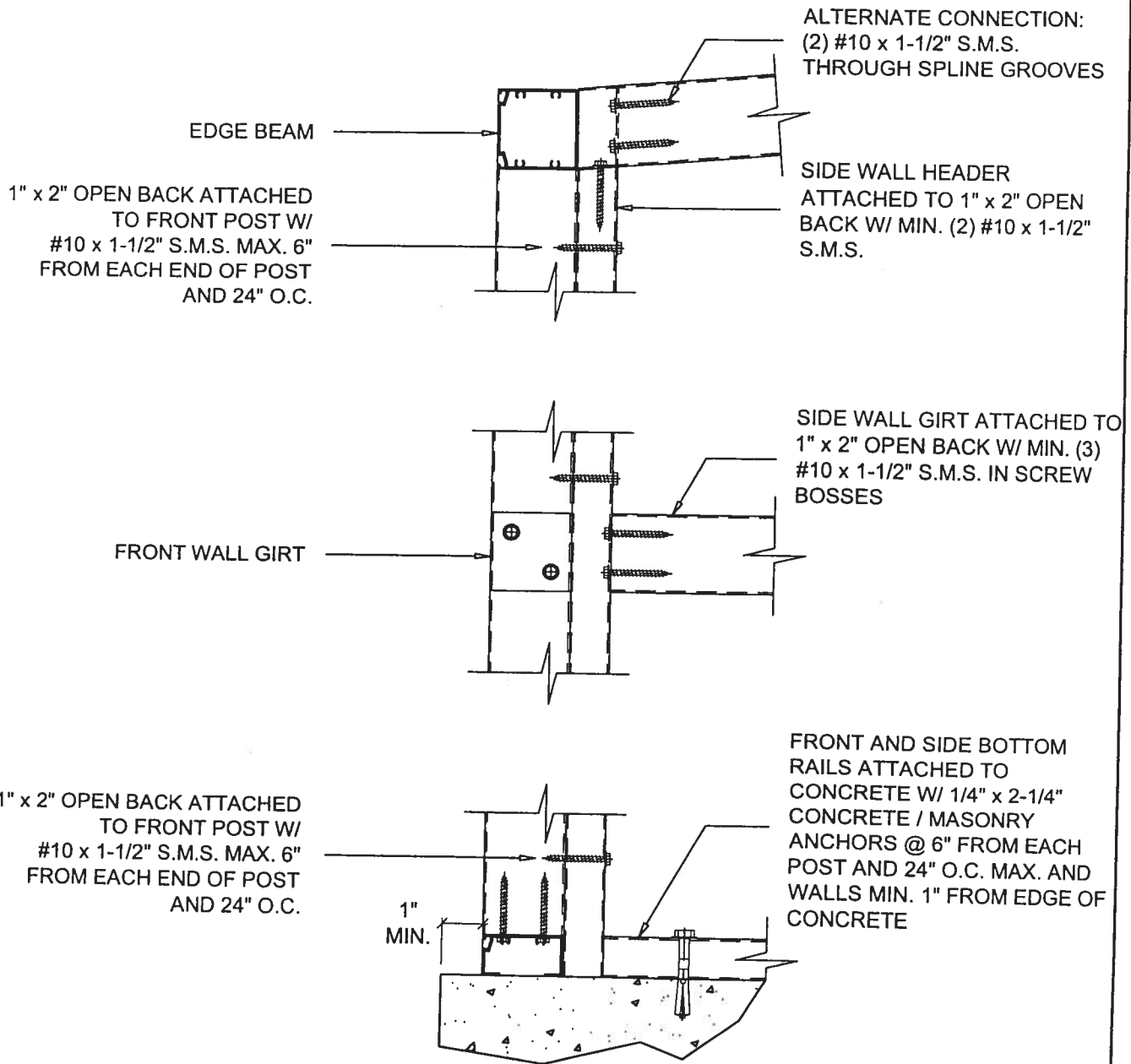
3A-2

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SECTION 3A

SCREEN, ACRYLIC & VINYL ROOMS



TYPICAL & ALTERNATE CORNER DETAIL

SCALE: 3" = 1'-0"

Lawrence E. Bennett, P.E. FL # 16644

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PAGE

3A-6

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COMPOSITE ROOF PANELS:
(4) 1/4" x 4" LAG BOLTS W/
1-1/4" FENDER WASHERS PER
4'-0" PANEL ACROSS THE
FRONT AND 24" O.C. ALONG
SIDES

RISER PANELS ATTACHED PER
CHAPTER 7

2" x 2" OR 2" x 3" HOLLOW

HEADER ATTACHED TO POST
W/ MIN. (3) #10 x 1-1/2" S.M.S.
IN SCREW BOSSES

GIRT AND KICK PLATE 2" x 2"
HOLLOW RAIL

2" x 2", 2" x 3" OR 3" x 2"
HOLLOW (SEE SPAN TABLES)

FOR SNAP EXTRUSIONS GIRT
ATTACHED TO POST WITH
MIN. (3) #10 x 1/2" S.M.S. IN
SCREW BOSSES

POST ATTACHED TO BOTTOM
W/ MIN. (3) #10 x 1-1/2"
S.M.S. IN SCREW BOSSES

1" x 2" OPEN BACK BOTTOM
RAIL

1/4" x 2-1/4" MASONRY
ANCHOR @ 6" FROM EACH
POST AND 24" O.C. (MAX.)

TYPICAL UPRIGHT DETAIL

SCALE: 3" = 1'-0"

Lawrence E. Bennett, P.E. FL # 16644

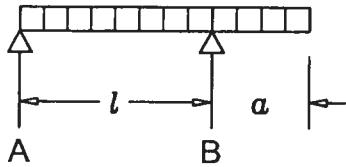
CIVIL ENGINEER - DEVELOPMENT CONSULTANT

P.O. BOX 214368, SOUTH DAYTONA, FL 32121

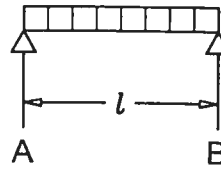
TELEPHONE: (386) 767-4774

FAX: (386) 767-6556

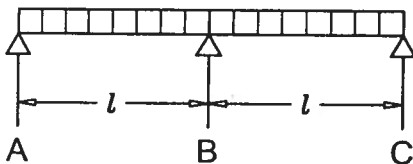
UNIFORM LOAD

**SINGLE SPAN CANTILEVER**

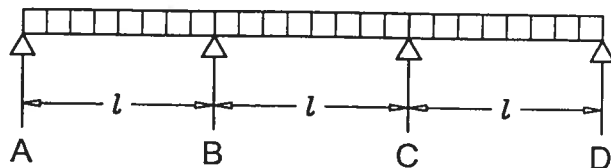
UNIFORM LOAD

**1 OR SINGLE SPAN**

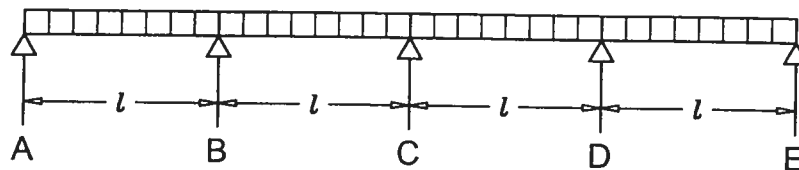
UNIFORM LOAD

**2 SPAN**

UNIFORM LOAD

**3 SPAN**

UNIFORM LOAD

**4 SPAN****NOTES:**

- 1) l = Span Length
 α = 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.

Lawrence E. Bennett, P.E. FL # 16644

CIVIL ENGINEER - DEVELOPMENT CONSULTANT

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TELEPHONE: (386) 767-4774

FAX: (386) 767-6556

SECTION 3A

SCREEN, ACRYLIC & VINYL ROOMS

**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' = Purlin Spacing									
	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"
Allowable Height 'H' / bending 'b' or deflection 'd'										
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'-8" b	6'-5" b	6'-2" b	5'-11" b
2" x 2" x 0.055" Hollow	10'-3" b	9'-6" b	8'-11" b	8'-5" b	7'-11" b	7'-7" b	7'-3" b	6'-11" b	6'-9" 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'-8" b	7'-5" 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'-6" b	9'-2" b	8'-10" b	8'-6" b
2" x 3" x 0.045" Hollow	12'-9" b	11'-9" b	11'-0" b	10'-5" b	9'-10" b	9'-5" b	8'-11" b	8'-8" b	8'-4" 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	11'-0" b	10'-8" b	10'-3" b
2" x 4" x 0.046" S.M.B.	19'-1" b	17'-8" b	16'-6" b	15'-7" b	14'-9" b	14'-1" b	13'-6" b	12'-11" b	12'-6" 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	15'-5" 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	17'-9" b	17'-1" b	16'-6" b
2" x 2" x 0.044" Snap	11'-3" b	10'-5" b	9'-9" b	9'-2" b	8'-8" b	8'-3" b	7'-11" b	7'-7" b	7'-4" b	7'-1" 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'-2" b	9'-9" b	9'-5" b	9'-1" 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'-1" b

For 3 second wind gust at 120 MPH velocity; using design load of 13 #/SF

Sections	Tributary Load Width 'W' = Purlin Spacing									
	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"
Allowable Height 'H' / bending 'b' or deflection 'd'										
2" x 2" x 0.044" Hollow	8'-8" b	8'-0" b	7'-6" b	7'-1" b	6'-8" b	6'-5" b	6'-1" b	5'-11" b	5'-8" b	5'-6" b
2" x 2" x 0.055" Hollow	9'-5" b	8'-9" b	8'-2" b	7'-9" b	7'-4" b	6'-11" b	6'-8" b	6'-5" b	6'-2" b	5'-11" b
3" x 2" x 0.045" Hollow	10'-5" b	9'-7" b	8'-11" b	8'-6" b	8'-0" b	7'-8" b	7'-4" b	7'-1" b	6'-10" b	6'-7" b
3" x 2" x 0.070" Hollow	12'-1" d	11'-5" b	10'-8" b	10'-1" b	9'-7" b	9'-2" b	8'-9" b	8'-5" b	8'-1" b	7'-10" b
2" x 3" x 0.045" Hollow	12'-10" b	11'-11" b	11'-2" b	10'-6" b	9'-11" b	9'-6" b	9'-1" b	8'-9" b	8'-5" b	8'-2" 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'-2" b	9'-9" 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'-1" b
2" x 5" x 0.050" S.M.B.	21'-8" 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
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
2" x 2" x 0.044" Snap	10'-4" b	9'-7" b	8'-11" b	8'-5" b	7'-11" b	7'-7" b	7'-4" b	7'-0" b	6'-9" 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
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'-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.

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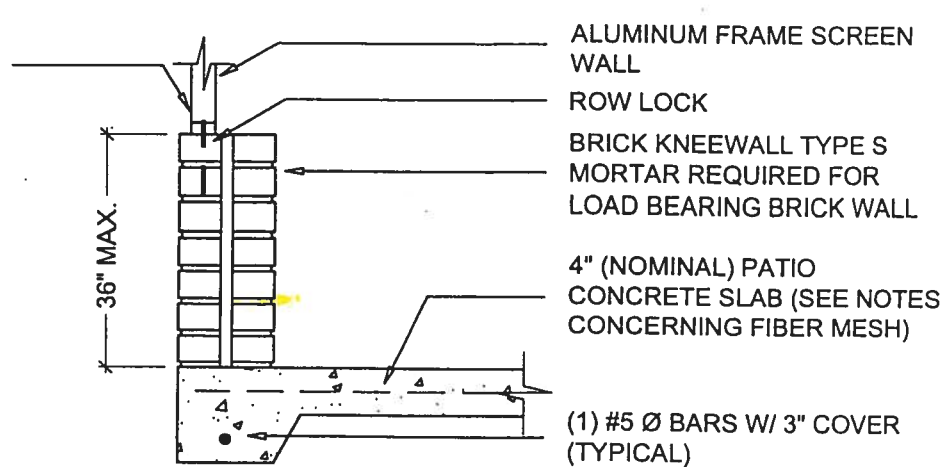
FAX: (386) 767-6556

SECTION 3A

SCREEN, ACRYLIC & VINYL ROOMS

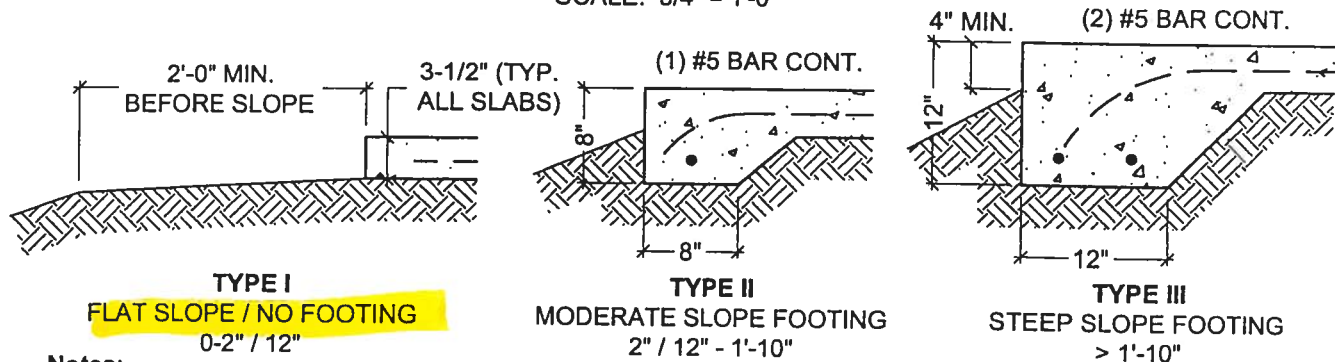
1/4" x 6" RAWL TAPPER
THROUGH 1" x 2" AND ROW
LOCK INTO FIRST COURSE OF
BRICKS

ALTERNATE CONNECTION OF
SCREENED ENCLOSURE FOR
BRICK OR OTHER NON-
STRUCTURAL KNEE WALL
1" WIDE x 0.063" THICK STRAP
@ EACH POST FROM POST TO
FOOTING W/ (2) #10 x 3/4"
S.M.S. STRAP TO POST AND
(1) 1/4" x 1-3/4" TAPCON TO
SLAB OR FOOTING



BRICK KNEE WALL AND FOUNDATION FOR SCREEN WALLS

SCALE: 3/4" = 1'-0"



Notes:

1. The foundations shown are based on a minimum soil bearing pressure of 1,500 psf. Bearing capacity of soil shall be verified, prior to placing the slab, by field soil test or a soil testing lab.
2. The slab / foundation shall be cleared of debris, roots, and compacted prior to placement of concrete.
3. No footing other than 3-1/2" (4" nominal) slab is required except when addressing erosion until the projection from the host structure of the carport or patio cover exceeds 20'-0". Then a minimum of a Type II footing is required. All slabs shall be 3-1/2" (4" nominal) thick.
4. Monolithic slabs and footings shall be minimum 2,500 psi concrete with 6 x 6 - 10 x 10 welded wire mesh or crack control fiber mesh: Fibermesh ® Mesh, InForce™ e3™ (Formerly Fibermesh MD) per manufacturer's specification may be used in lieu of wire mesh.
5. If local building codes require a minimum footing use Type II footing or footing section required by local code. Local code governs.
(See additional detail for structures located in Orange County, FL)
6. If a carrier beam or fourth wall frame is required use a Type II footing minimum.

SLAB-FOOTING DETAILS

SCALE: 3/4" = 1'-0"

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SECTION 7

SOLID ROOF PANEL PRODUCTS

General Notes and Specifications:

1. 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.
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. 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.
4. 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.
5. 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 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.
 - b. 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.
6. 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.
7. 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.
8. When using TEK screws in lieu of S.M.S. longer screws must be used to compensate for drill head.
9. For high velocity hurricane zones the minimum live load / applied load shall be 30 PSF.
10. 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.
11. All fascia gutter end caps shall have water relief ports.
12. Spans may be interpolated between values but not extrapolated outside values.
13. 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.
14. 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).

1. **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°; $I = 0.77$ for open structures & 1.00 for all others. Negative internal pressure coefficient is 0.18 for enclosed and 0.55 for partially enclosed structures.

2. **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°); $I = 1.00$. Negative internal pressure coefficient is 0.18 for enclosed and 0.55 for partially enclosed structures.

3. **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°); $I = 1.00$.

a. **Enclosed** structural systems use a negative internal pressure coefficient = +/- 0.18.

b. **Partially Enclosed** structural systems use a negative internal pressure coefficient = +/- 0.55.

4. **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°); $I = 1.0$. Negative internal pressure coefficient is 0.18 for enclosed and 0.55 for partially enclosed structures.

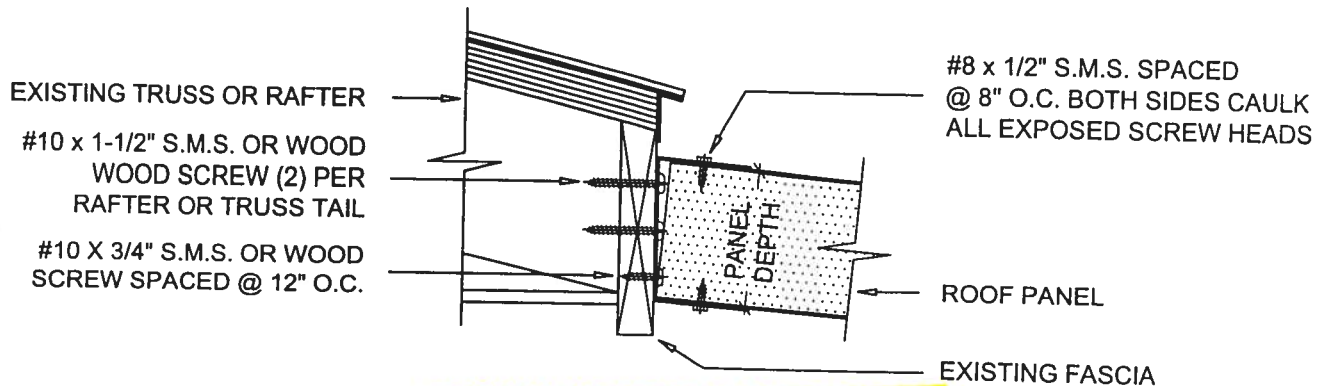
5. Anchors for composite panel roof systems were computed on a load width of 10' and 16' projection with a 2' overhang. Any greater load width shall be site specific.

Conversion Table 7A
Load Conversion Factors Based on
Mean Roof Height of Host Structure
For All Components
Exposure "B" to "C"

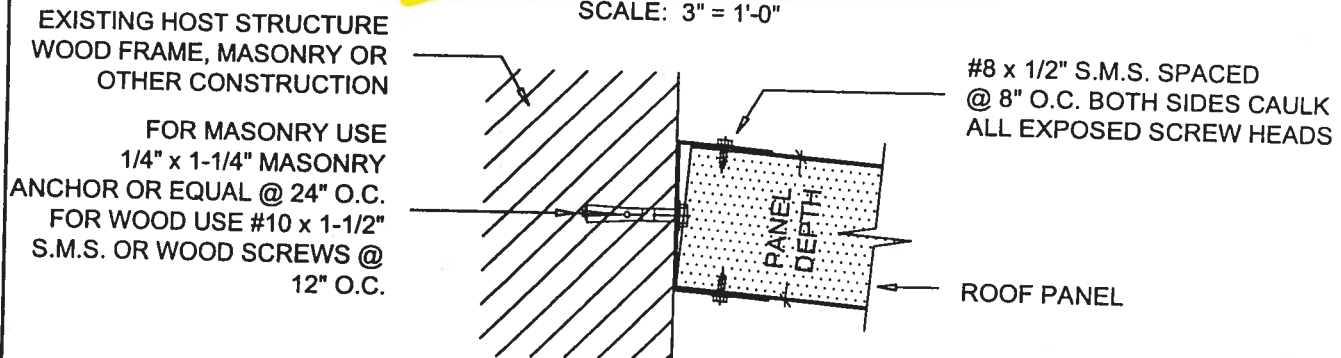
Mean Host Structure Height	Pans	Composite Panels
0 - 15'	0.91	0.94
15' - 20'	0.88	0.92
20' - 25'	0.86	0.91
25' - 30'	0.85	0.89

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	Span 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

COMPOSITE ROOF ANCHORING DETAILS**ROOF PANEL TO FASCIA DETAIL**

SCALE: 3" = 1'-0"

**ROOF PANEL TO WALL DETAIL**

SCALE: 3" = 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 PAN'S DEPTH "t". 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

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SOLID ROOF PANEL PRODUCTS

SECTION 7

**Table 7.3.6 Allowable Spans for 0.024" PRO-FAB Composite Panels
w/ EZ-LOCK for Various Loads
Metals USA Building Products L.P.**

Manufacturers Proprietary Products: Aluminum Alloy 3105 H-14 or H-25 Foam Core E.P.S. #1 Density
3" x 48" x 0.024" Roof Panel w/ EZ-LOCK

Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang / Cantilever All Roofs
	1&2 span	3 span	4 span	1&2 span	3 span	4 span	1&2 span	3 span	4 span	
100 MPH	21'-4"	23'-10"	23'-0"	20'-4"	22'-9"	21'-11"	15'-1"	17'-9"	16'-3"	4'-0"
110 MPH	21'-4"	23'-10"	23'-0"	18'-8"	20'-11"	20'-2"	13'-9"	15'-4"	14'-10"	4'-0"
120 MPH	20'-4"	22'-9"	21'-11"	17'-5"	19'-5"	18'-10"	12'-6"	13'-11"	13'-6"	4'-0"
123 MPH	19'-6"	21'-10"	21'-1"	15'-11"	18'-11"	18'-3"	11'-8"	13'-8"	13'-2"	4'-0"
130 MPH	18'-0"	20'-2"	19'-5"	15'-1"	17'-9"	16'-3"	11'-1"	12'-11"	12'-6"	4'-0"
140 MPH	12'-4"	13'-9"	13'-3"	12'-4"	13'-9"	13'-3"	10'-3"	11'-6"	11'-1"	4'-3"
150 MPH	12'-4"	13'-9"	13'-3"	12'-4"	13'-9"	13'-3"	9'-6"	10'-8"	10'-4"	3'-11"

4" x 48" x 0.024" Roof Panel w/ EZ-LOCK

Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang / Cantilever All Roofs
	1&2 span	3 span	4 span	1&2 span	3 span	4 span	1&2 span	3 span	4 span	
100 MPH	23'-5"	26'-2"	25'-3"	22'-3"	24'-11"	24'-1"	17'-5"	19'-6"	18'-10"	4'-0"
110 MPH	23'-5"	26'-2"	25'-3"	20'-6"	22'-11"	22'-2"	15'-1"	18'-0"	17'-5"	4'-0"
120 MPH	22'-3"	24'-11"	24'-1"	19'-1"	21'-4"	20'-7"	13'-9"	15'-4"	14'-10"	4'-0"
123 MPH	21'-5"	23'-11"	23'-2"	18'-6"	20'-9"	20'-0"	13'-5"	14'-11"	14'-6"	4'-0"
130 MPH	19'-9"	22'-1"	21'-4"	17'-5"	19'-6"	18'-10"	12'-8"	14'-2"	13'-8"	4'-0"
140 MPH	13'-6"	15'-1"	14'-7"	13'-6"	15'-1"	14'-7"	11'-3"	13'-3"	12'-9"	4'-0"
150 MPH	13'-6"	15'-1"	14'-7"	13'-6"	15'-1"	14'-7"	10'-5"	12'-4"	11'-4"	4'-0"

5" x 48" x 0.024" Roof Panel w/ EZ-LOCK

Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang / Cantilever All Roofs
	1&2 span	3 span	4 span	1&2 span	3 span	4 span	1&2 span	3 span	4 span	
100 MPH	26'-5"	29'-6"	28'-6"	25'-2"	28'-1"	27'-2"	19'-8"	21'-11"	21'-3"	4'-0"
110 MPH	26'-5"	29'-6"	28'-6"	23'-2"	25'-10"	24'-11"	18'-2"	20'-4"	19'-8"	4'-0"
120 MPH	25'-2"	28'-1"	27'-2"	21'-6"	24'-1"	23'-3"	15'-6"	18'-8"	18'-0"	4'-0"
123 MPH	24'-2"	27'-0"	26'-1"	20'-11"	23'-5"	22'-7"	15'-1"	18'-1"	17'-6"	4'-0"
130 MPH	22'-4"	24'-11"	24'-1"	19'-8"	21'-11"	21'-3"	14'-4"	15'-11"	15'-5"	4'-0"
140 MPH	15'-3"	17'-0"	16'-5"	15'-3"	17'-0"	16'-5"	13'-4"	14'-11"	14'-5"	4'-0"
150 MPH	15'-3"	17'-0"	16'-5"	15'-3"	17'-0"	16'-5"	12'-5"	13'-11"	13'-5"	4'-0"

6" x 48" x 0.024" Roof Panel w/ EZ-LOCK

Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang / Cantilever All Roofs
	1&2 span	3 span	4 span	1&2 span	3 span	4 span	1&2 span	3 span	4 span	
100 MPH	29'-1"	32'-6"	31'-5"	27'-8"	30'-11"	29'-11"	21'-8"	24'-3"	23'-5"	4'-0"
110 MPH	29'-1"	32'-6"	31'-5"	25'-6"	28'-6"	27'-6"	20'-1"	22'-5"	21'-8"	4'-0"
120 MPH	27'-8"	30'-11"	29'-11"	23'-9"	26'-6"	25'-8"	18'-5"	20'-7"	19'-10"	4'-0"
123 MPH	26'-8"	29'-9"	28'-9"	23'-1"	25'-9"	24'-11"	17'-10"	19'-11"	19'-3"	4'-0"
130 MPH	24'-7"	27'-6"	26'-6"	21'-8"	24'-3"	23'-5"	15'-9"	18'-9"	18'-2"	4'-0"
140 MPH	16'-9"	18'-9"	18'-2"	16'-9"	18'-9"	18'-2"	14'-9"	17'-4"	15'-11"	4'-0"
150 MPH	16'-9"	18'-9"	18'-2"	16'-9"	18'-9"	18'-2"	13'-8"	15'-4"	14'-10"	4'-0"

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



Building Products L.P.

7815 American Way, Groveland, FL 34736

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TOLL FREE: 1-800-342-9077 bkaufmann@metalsusa.com

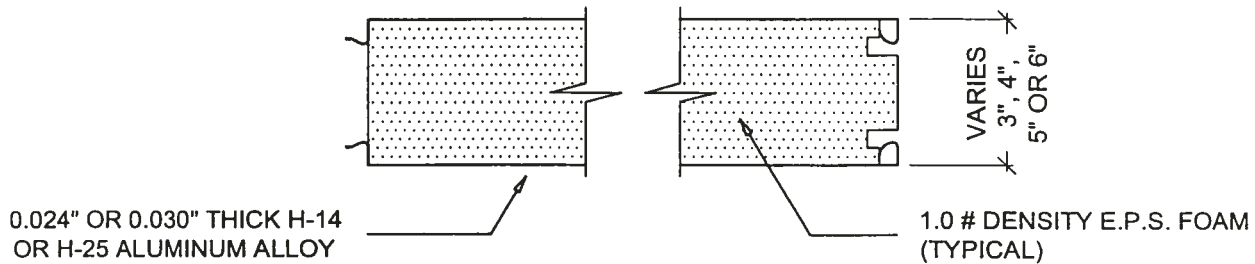
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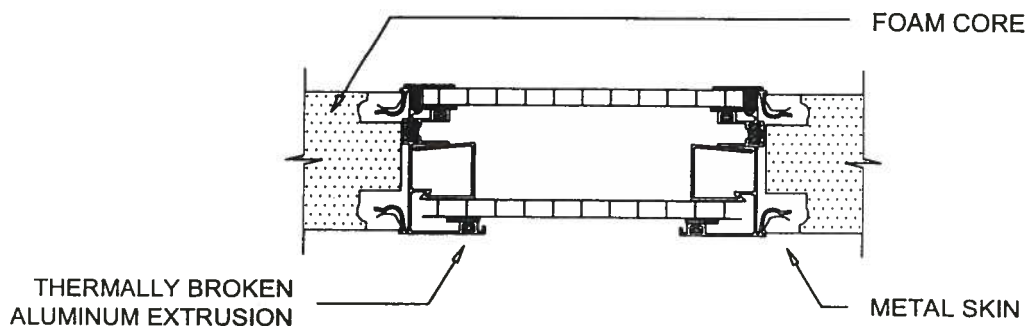
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MANUFACTURERS PROPRIETARY PRODUCTS
METALS USA BUILDING PRODUCTS L.P.
PRO-FAB COMPOSITE PANEL W/ EZ-LOK

SCALE: 3" = 1'-0"

Notes:

- 1) Total roof panel width = room width + wall width + overhang.
- 2) Spans may be interpolated between values but not extrapolated outside values.
- 3) The Sun Ray roof panel system is designed to span from support to support mated to a full 48" PRO-FAB panel between Sun Ray panels or between (2) 24" solid panels. Reference Table 7.3.6 or 7.3.7 for allowed spans of the Sun Ray roof panel system.


SUN RAY ROOF PANEL
3" x 24" - TWIN WALL FULL LENGTH SYSTEM

SCALE: 3" = 1'-0"

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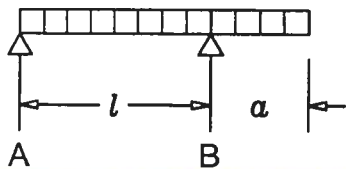
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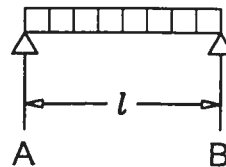
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TOLL FREE: 1-800-342-9077 bkaufmann@metalsusa.com

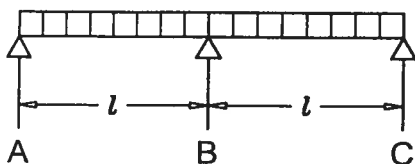
UNIFORM LOAD

**SINGLE SPAN CANTILEVER**

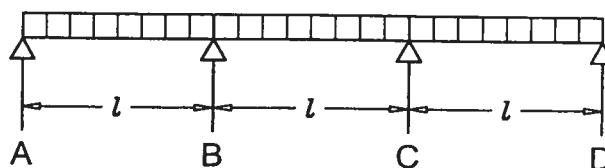
UNIFORM LOAD

**1 OR SINGLE SPAN**

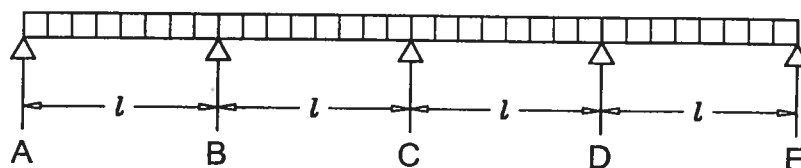
UNIFORM LOAD

**2 SPAN**

UNIFORM LOAD

**3 SPAN**

UNIFORM LOAD

**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.

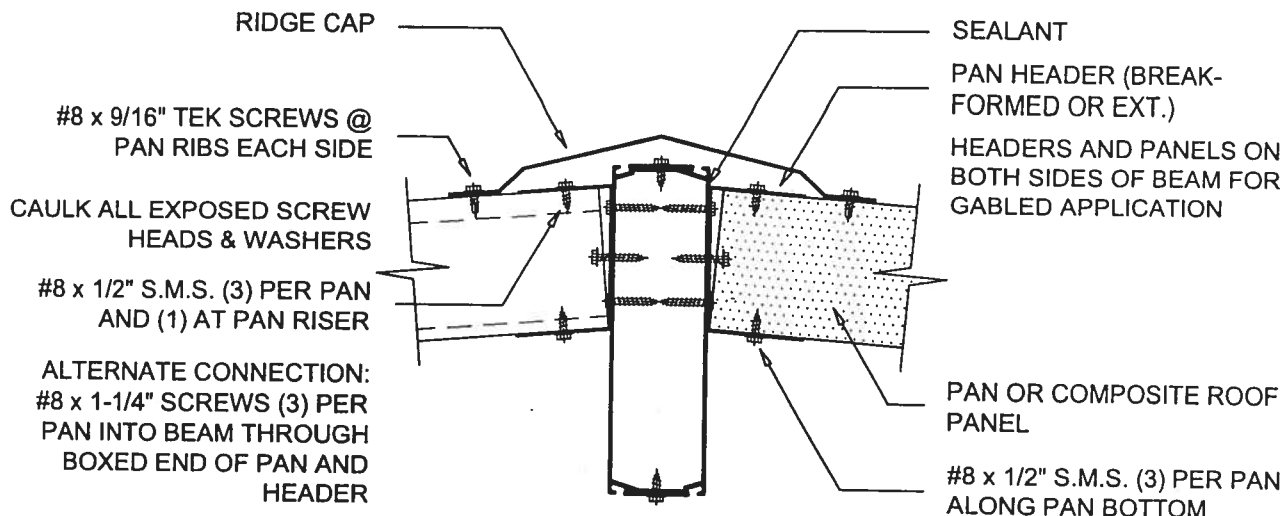
SPAN EXAMPLES FOR SECTION 7 TABLES

SCALE: N.T.S.

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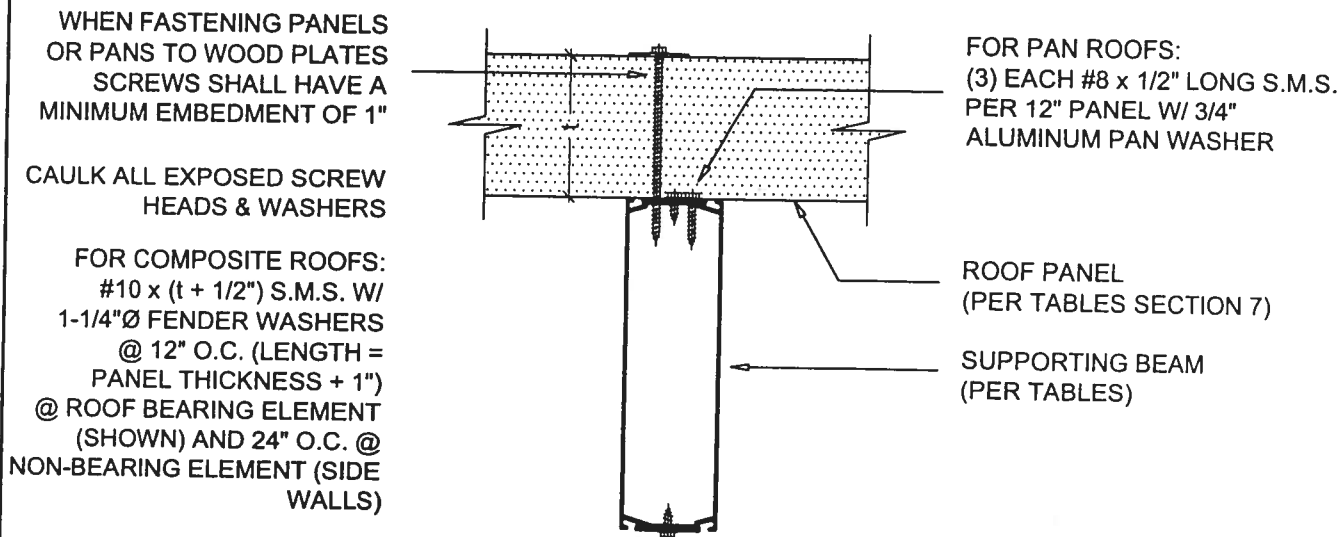
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PAN ROOF ANCHORING DETAILS



ROOF PANEL TO BEAM DETAIL

SCALE: 3" = 1'-0"



ROOF PANEL TO BEAM FASTENING DETAIL

SCALE: 3" = 1'-0"

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NOTICE OF COMMENCEMENT

PERMIT NUMBER: _____
STATE OF: FLORIDA COUNTY OF: Columbia CITY OF: Lake City

THE UNDERSIGNED HEREBY gives notice that improvement(s) will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

DESCRIPTION OF PROPERTY

LOT: 2 BLOCK: _____ SECTION: 21 TOWNSHIP: 4 RANGE: 16 E

TAX PARCEL NUMBER: 21-45-16-03081-102

SUBDIVISION: Kensington PLATBOOK: _____ MAP PAGE: _____

STREET ADDRESS: 148 S.W. Royal Ct

GENERAL DESCRIPTION OF IMPROVEMENTS

TO CONSTRUCT: Screen Room

OWNER INFORMATION

OWNER NAME: Scott Allen W + Beverly B Scott

ADDRESS: 148 S.W. Royal Ct PHONE NUMBER: 386-623-3028

CITY: Lake City STATE: Fla. ZIP CODE: 32024

INTEREST IN PROPERTY: _____ Inst: 2006009993 Date: 04/25/2006 Time: 10:34

FEE SIMPLE TITLEHOLDER NAME: S.F. DE P. DEWITT Cason, Columbia County B: 1081 P: 1595

FEE SIMPLE TITLEHOLDER ADDRESS: _____

(if other than owner)

CONTRACTOR NAME: Vince Richardson

ADDRESS: 1692 S.W. Arlington Blvd. PHONE NUMBER: 386-755-5779

CITY: Lake City STATE: Fla. ZIP CODE: 32025

BONDING COMPANY: _____

ADDRESS: _____ PHONE NUMBER: _____

CITY: _____ STATE: _____ ZIP CODE: _____

LENDER NAME: _____

ADDRESS: _____ PHONE NUMBER: _____

CITY: _____ STATE: _____ ZIP CODE: _____

Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a) 7., Florida Statutes:

NAME: _____ ADDRESS: _____

In addition to himself, Owner designates _____

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

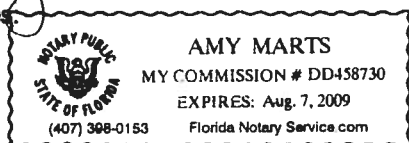
Expiration date is one (1) year from date of recording unless a different date is specified.

SIGNATURE OF OWNER: Beverly Scott

SWORN to and subscribed before me this 25th day of April, A.D. 2004.

Notary Public: Amy Marts

My commission Expires: _____



COLUMBIA COUNTY OKLAHOMA

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 21-4S-16-03081-102

Building permit No. 000024520

Use Classification SCREEN ROOM

Fire: 0.00

Permit Holder RICHARDSON ALUMINUM

Waste:

Owner of Building ALLEN & BEVERLY SCOTT

Total: 0.00

Location: 148 SW ROYAL COURT

Date: 05/23/2006



Notary Public for Okla.

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)