DATE 06/19/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000024637

APPLICANT VINCE RICHARDSON PHONE 755-5779

ADDRESS 692 SW ARLINGTON BLVD LAKE CITY FL 32025

OWNER LEE & DENISE HARRELL PHONE 752-3569

ADDRESS 1402 SW TOMMY LITES ST FORT WHITE FL 32038

CONTRACTOR VINCE RICHARDSON PHONE 755-5779

LOCATION OF PROPERTY 41 S, L TOMMY LITES RD, 2 TO 3 MILES ON LEFT
SEE 1402 ON MAILBOX

TYPE DEVELOPMENT SCREEN ROOM ESTIMATED COST OF CONSTRUCTION 9500.00

HEATED FLOOR AREA _____ TOTAL AREA _____ HEIGHT 9.00 STORIES 1

FOUNDATION _____ WALLS SCREEN ROOF PITCH _____ FLOOR _____

LAND USE & ZONING AG-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO. _____

PARCEL ID 16-6S-17-09687-001 SUBDIVISION _____

LOT _____ BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 11.91

		5129	Vince Richardson
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor

EXISTING	X06-0219	BK	JH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE

Check # or Cash 1944

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by | Foundation _____ date/app. by | Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by | Slab _____ date/app. by | Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by | Rough-in plumbing above slab and below wood floor _____ date/app. by

Electrical rough-in _____ date/app. by | Heat & Air Duct _____ date/app. by | Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by | C.O. Final _____ date/app. by | Culvert _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by | Pool _____ date/app. by

Reconnection _____ date/app. by | Pump pole _____ date/app. by | Utility Pole _____ date/app. by

M/H Pole _____ date/app. by | Travel Trailer _____ date/app. by | Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 50.00 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** 100.00

INSPECTORS OFFICE _____ CLERKS OFFICE CH

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 # 0606-39 Date Received 6/13/06 By G Permit # 24637

Application Approved by - Zoning Official BLK Date 16.06.06 Plans Examiner OK JTH Date 6-13-06

Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments

Ck# 1944

Applicants Name Richardson Aluminum. LLC Vince Richardson Phone 386-755-5779

Address 692 S.W. Arlington Blvd. Lake City, Fl 32025

Owners Name Lee + Denise Harrell Phone 386-752-3569

911 Address 1402 SW Tommy Lites St Ft. White, Fla. 32038

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 16-6S-17-09687-001 Estimated Cost of Construction 9,500.00

Subdivision Name Lot Block Unit Phase

Driving Directions 41 South to tommy lites Rd. Turn (L) Go 2 to 3 miles
Mail Box + Drive on Left. 1402 on mail box

Type of Construction Screen Room Number of Existing Dwellings on Property 1

Total Acreage 11.91 Lot Size 664'X 637' Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive (circled)

Actual Distance of Structure from Property Lines - Front 330' Side 240' Side 450' Rear 255'

Total Building Height 9' 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 COMMENCMENT 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)

Contractor Signature: Vince Richardson

Contractors License Number

Competency Card Number 5129

STATE OF FLORIDA
COUNTY OF COLUMBIA

AMY MARTS
MY COMMISSION # DD458730
EXPIRES: Aug. 7, 2009
(407) 398-0153 Florida Notary Service.com

NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me

this 13th day of June 2006.

Personally known X or Produced Identification

Notary Signature

- Ti - called [illegible] Vince with message 6.16.06

NOTICE OF COMMENCEMENT

PERMIT NUMBER: _____

STATE OF: FLORIDA COUNTY OF: Columbia CITY OF: _____

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: _____ BLOCK: _____ SECTION: _____ TOWNSHIP: _____ RANGE: _____

TAX PARCEL NUMBER: 16-6S-17-09687-001

SUBDIVISION: _____ PLATBOOK: _____ MAP PAGE: _____

STREET ADDRESS: 1402 S.W. Tommy Lites St Ft White, Fla. 32038

GENERAL DESCRIPTION OF IMPROVEMENTS

TO CONSTRUCT: Screen Room

OWNER INFORMATION

OWNER NAME: Leet Denise Harrell

ADDRESS: 1402 S.W. Tommy Lites str. PHONE NUMBER: 386-752-3569

CITY: Ft White STATE: Fla ZIP CODE: 32038

INTEREST IN PROPERTY: _____ Inst:2006014286 Date:06/13/2006 Time:13:33

FEE SIMPLE TITLEHOLDER NAME: _____ DC,P.DeWitt Cason,Columbia County B:1086 P:1795

FEE SIMPLE TITLEHOLDER ADDRESS: _____

(if other than owner)

CONTRACTOR NAME: Richardson Aluminum L.L.C.

ADDRESS: 692 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: _____

SWORN to and subscribed before me this 10th day of May, A.D. ~~2004~~ 2006

Notary Public: _____

My commission Expires:

AMY MARTS
MY COMMISSION # DD458730
EXPIRES: Aug. 7, 2009
(407) 398-0153 Florida Notary Service.com

16-6S-17-09687-001

N1/2 OF NE1/4 OF SW1/4 AS LIES W OF PINEVILLE RD. ORB 774-1701.

HARRELL LEE H & DENISE A
1402 SW TOMMY LITES ST
FT WHITE, FL 32038

16-6S-17-09687-001 Columbia Cou

PRINTED 5/05/2006 8:43
APPR 7/15/2005 DFTW

BUSE 000100 SINGLE FAM AE? Y 1658 HTD AREA 131.243 INDEX 16617.00 DIST 3 PUSE 005
MOD 1 SFR BATH 2.00 1862 EFF AREA 59.059 E-RATE 100.000 INDX STR 16- 6S- 17
EXW 31 VINYL SID FIXT 109968 RCN 1994 AYB MKT AREA 02
% 0000000000 BDRM 3 86.25 %GOOD 94,847 B BLDG VAL 1994 EYB (PUD1
RSTR 03 GABLE/HIP RMS AC 11.910
RCVR 03 COMP SHNGL UNTS NTCD
% N/A C-W% APPR CD
INT 05 DRYWALL HGHT CNDO
% N/A PMTR SUBD
FLR 14 CARPET STYS 1.5 BLK
10% 15 HARDTILE ECON LOT
HTTP 04 AIR DUCTED FUNC MAP#
A/C 03 CENTRAL SPCD
QUAL 04 ABOVE AVG. DEPR 52 TXDT 003
FNDN N/A UD-1 N/A
SIZE 03 RECTANGLE 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
WNDO 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

FIELD CK:
LOC: 1402 TOMMY LITES ST SW FT WHITE

```
+-----22---+-8-+
IFUS1994   IUOP1994
1          1   1
7          7   7
+-----22---+-8-+

+--------35-------+-8-+
IBAS1994           IUOP1994
2                  1   1
0                  7   7
I                  I   I
+---16--+-8-+      +-8-+
IFCP1994   I           I
I          I           1
2          2           9
1          1----16--+--------+
I          IFOP1994 I
+-----24----+----16--+
```

SUB	A-AREA	%	E-AREA	SUB VALUE
BAS94	1284	100	1284	65404
FCP94	504	25	126	6418
FOP94	80	30	24	1223
UOP94	272	20	54	2751
FUS94	374	100	374	19051
TOTAL	2514		1862	94847

BAS1994=W35 S20 FCP1994=W8$ E8 S16 FOP19=35 N19UOP1994=N17 W8 S17=N20 UOP1994=N17 W8 2N17$ S17 E8$ S20$.

NUMBER	DESC
7744	SFR

BOOK	PAGE	DATE
774	1701	5/12/199

GRANTOR WARTHEN HARRELL
GRANTEE LEE H HARRELL

GRANTOR
GRANTEE

EXTRA FEATURES

AE	BN	CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	ADJ	UNITS	UT	PRICE	ADJ UT PR	SPCD %
Y	1	0180	FPLC 1STRY				1		0000	1.00	1.000	UT	2150.000	2150.000	1
Y		0294	SHED WOOD/VI	8	10		1		0000	1.00	1.000	UT	400.000	400.000	1

FIELD CK:

AE	LAND CODE	DESC	ZONE TOPO	ROAD UTIL	UD1 UD2	UD3 UD4	FRONT BACK	DEPTH DT	ADJUSTMENTS	UNITS	UT	PRICE	ADJ UT P
Y	000100	SFR	A-1	0002					1.00 1.00 1.00 1.00	1.000	AC	8814.000	8814.
			0002	0003									
N	005500	TIMBER 2	00	0002					1.00 1.00 1.00 1.00	10.910	AC	220.000	220.
			0002	0003									
N	009910	MKT.VAL.AG	00	0002					1.00 1.00 1.00 1.00	10.910	AC		
			0002	0003								6000.000	6000.

SALE - FEE SIMPLE DEED $.70 STAMPS
2006

AT0023499 0027085

RONNIE BRANNON, CFC
COLUMBIA COUNTY TAX COLLECTOR

2005 REAL ESTATE 01275560000
NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

ACCOUNT NUMBER	ESCROW CD	ASSESSED VALUE	EXEMPTIONS	TAXABLE VALUE	MILLAGE CODE
R09687-001		94,810	0	94,810	003

R

0023499 01 AT 0.292 **AUTO T2 0 0810 34695-123

HARRELL LEE H & DENISE A
1395 7TH ST SOUTH
SAFETY HARBOR FL 34695-4104

16-6S-17 5000/5000 11.91 Acres
N1/2 OF NE1/4 OF SW1/4 AS LIES
W OF PINEVILLE RD.
ORB 774-1701.

SEE INSERT FOR IMPORTANT INFO
AND TELEPHONE NUMBERS
WWW.COLUMBIATAXCOLLECTOR.COM

AD VALOREM TAXES

TAXING AUTHORITY		MILLAGE RATE (DOLLARS PER $1,000 OF TAXABLE VALUE)	TAXES LEVIED
C001	BOARD OF COUNTY COMMISSIONERS	8.7260	827.31
S002	COLUMBIA COUNTY SCHOOL BOARD		
	DISCRETIONARY	.7600	72.06
	LOCAL	5.1950	492.54
	CAPITAL OUTLAY	2.0000	189.62
W SR	SUWANNEE RIVER WATER MGT DIST	.4914	46.59
HLSH	SHANDS AT LAKE SHORE	1.7500	165.92
IIDA	INDUSTRIAL DEVELOPEMENT AUTH	.1380	13.08

TOTAL MILLAGE 19.0604 AD VALOREM TAXES $1,807.12

NON-AD VALOREM ASSESSMENTS

LEVYING AUTHORITY	RATE	AMOUNT
FFIR FIRE ASSESSMENTS		99.09
GGAR SOLID WASTE - ANNUAL		147.00

PAY ONLY ONE AMOUNT IN YELLOW SHADED AREA NON-AD VALOREM ASSESSMENTS $246.09

COMBINED TAXES AND ASSESSMENTS $2,053.21 PAY ONLY ONE AMOUNT See reverse side for important information.

IF PAID BY	Nov 30	Dec 31	Jan 31	Feb 28	Mar 31
PLEASE PAY	1,971.08	1,991.61	2,012.15	2,032.68	2,053.21

IF PAI BY

Columbia County Tax Collector

generated on 5/9/2006 12:52:23 PM EDT

Tax Record

DATA VIEW AS OF: 5/9/2006 12:52:23 PM EDT

Ad Valorem Taxes and Non-Ad Valorem Assessments

The information contained herein does not constitute a title search and should not be relied on as such.

Account Number	Tax Type	Tax Year
R09687-001	Real Estate	2005

Mailing Address
HARRELL LEE H & DENISE A
1402 SW TOMMY LITES ST
FT WHITE FL 32038

Folio
127556.0000

Assessed Value	Exempt Amount	Taxable Value
$94,810.00	$0.00	$94,810.00

Exemption Detail
NO EXEMPTIONS

Millage Rate
003 19.06040

Legal Description
N1/2 OF NE1/4 OF SW1/4 AS LIES W OF PINEVILLE RD. ORB 774-1701.

Tax Districts Detail

Code	Description	Exemption	Amount
C001	BOARD OF COUNTY COMMISSIONERS	$0.00	$827.31
S002	COLUMBIA COUNTY SCHOOL BOARD	$0.00	$754.22
W SR	SUWANNEE RIVER WATER MGT DIST	$0.00	$46.59
HLSH	LAKE SHORE HOSPITAL AUTH	$0.00	$165.92
IIDA	INDUSTRIAL DEVELOPEMENT AUTH	$0.00	$13.08
FFIR	FIRE ASSESSMENTS	$0.00	$99.09
GGAR	SOLID WASTE - ANNUAL	$0.00	$147.00

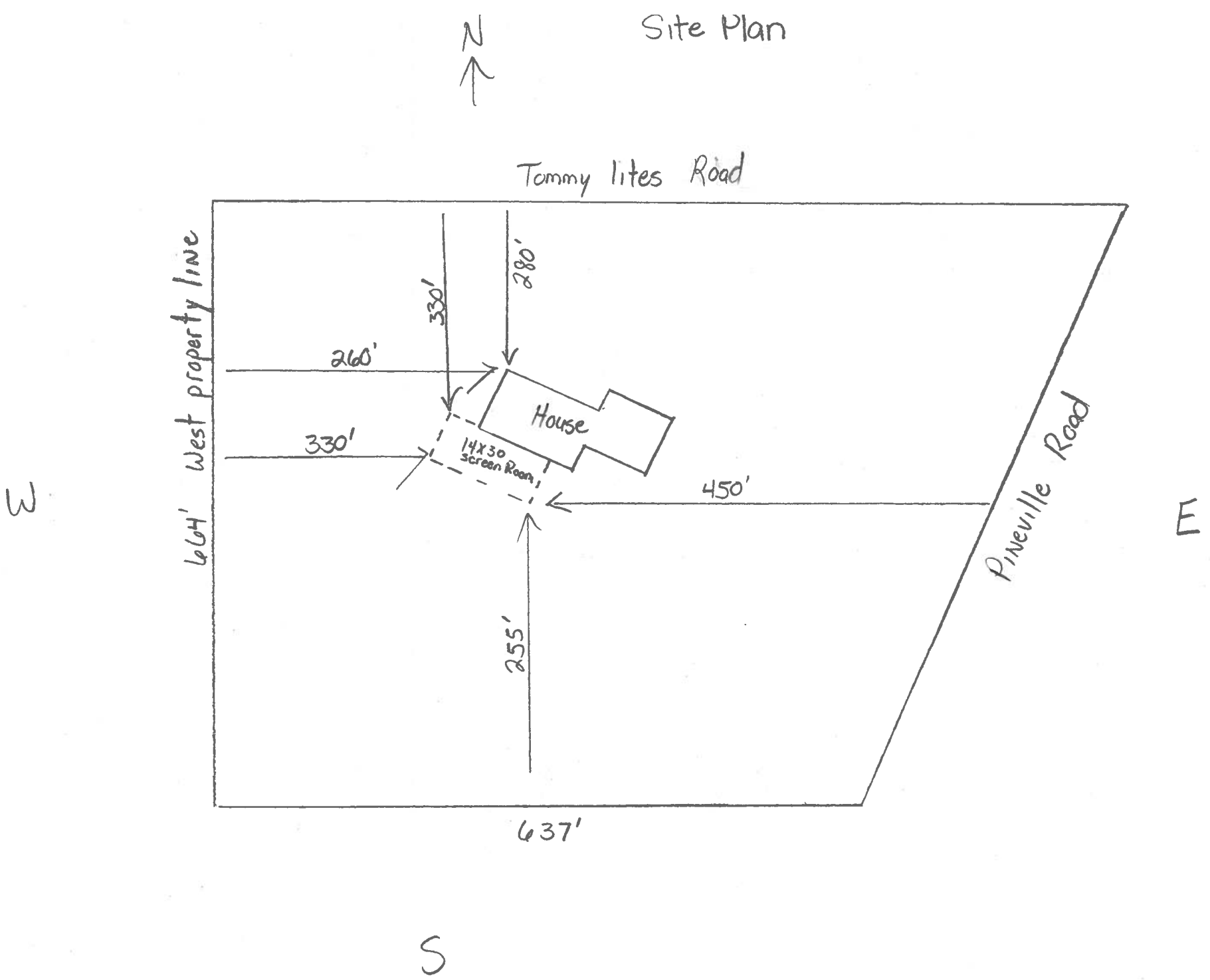
Total Gross	$2,053.21
Discount	($82.13)
Total	$1,971.08

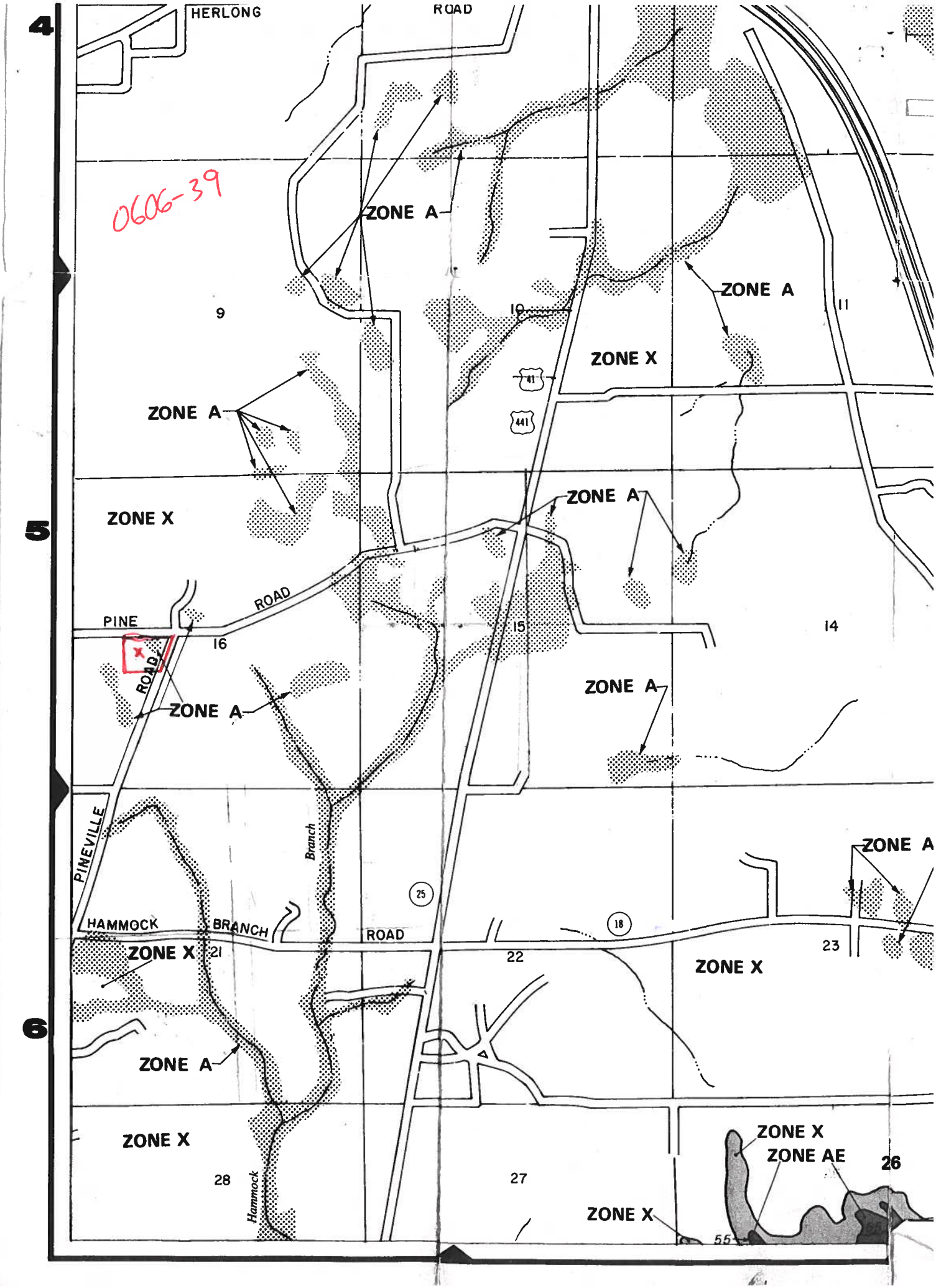
If Paid By	Amount Due
	$0.00

Date Paid	Transaction	Receipt	Amount Paid
11/29/2005	PAYMENT	3201307.0001	$1,971.08

Prior Year Taxes Due
NO DELINQUENT TAXES

Site Plan


N
Tommy Iites Road
West property line
664'
330'
280'
260'
330'
House
14X30
Screen Room
450'
Pineville Road
255'
637'
W
E
S


HERLONG
ROAD
0606-39
ZONE A
ZONE A
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ZONE X
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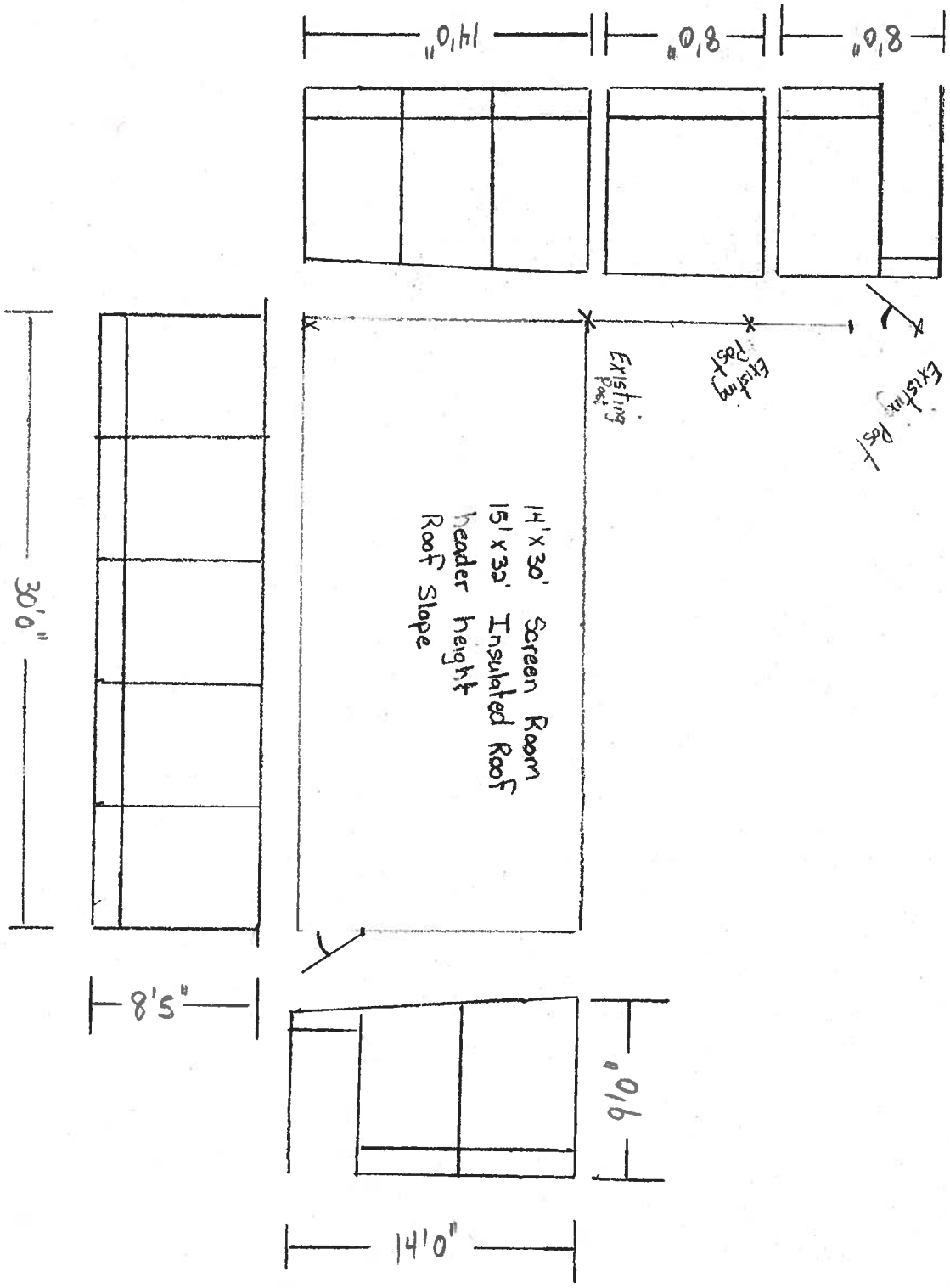
28
41
441
18
PINE
ROAD
ROAD
PINEVILLE
Branch
HAMMOCK
BRANCH
ROAD
Hammock
55
4
5
6


14'0"
8'0"
8'0"
Existing Post
Existing Post
Existing Post
14' x 30' Screen Room
15' x 32' Insulated Roof
Header height
Roof Slope
30'0"
8'5"
9'0"
14'0"

OFFICE COPY

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

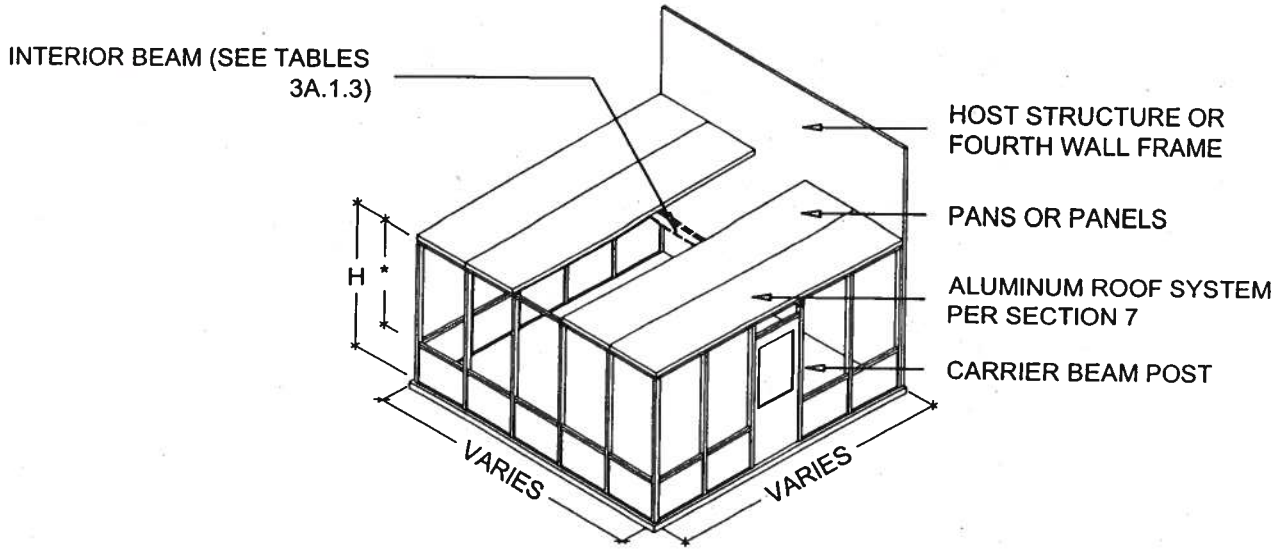
	Roofs			Walls		
Wind Zone MPH	Applied Load (#/SF)	Deflection (d)	Bending (b)	Applied Load (#/SF)	Deflection (d)	Bending (b)
100	10	1.09	1.14	10	1.12	1.18
110	11	1.06	1.09	11	1.08	1.13
120	13	1.00	1.00	14	1.00	1.00
123	14	0.98	0.96	15	0.98	0.97
130	15	0.95	0.93	16	0.96	0.94
140A	17	0.91	0.87	18	0.92	0.88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

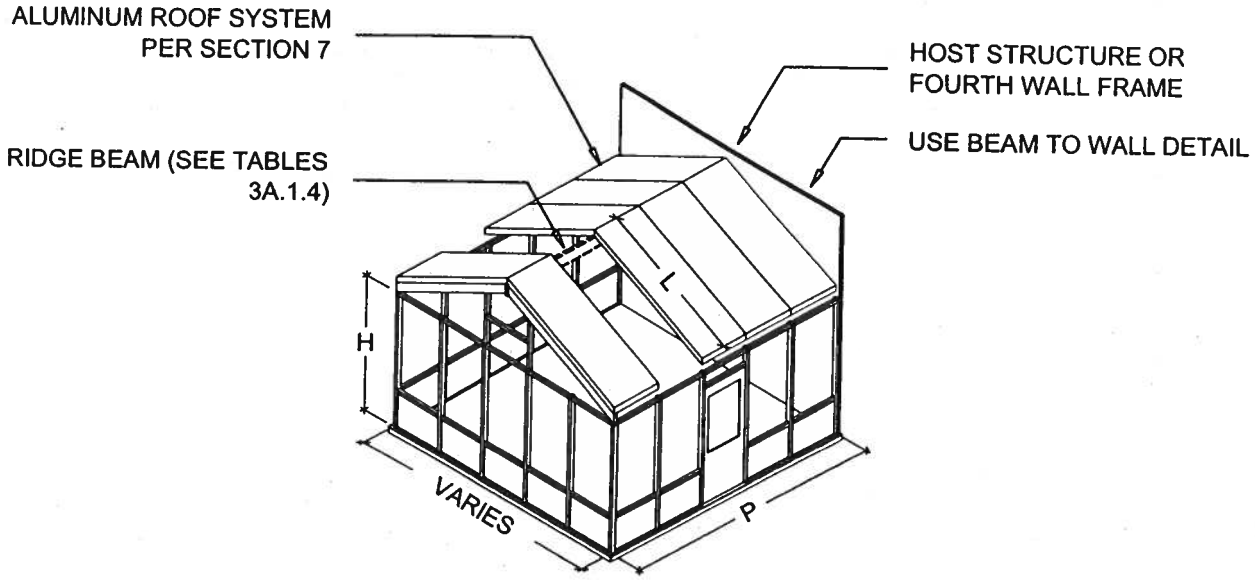
Conversion Table 3A-C
Conversion Based on Mean Height of Host Structure for Screen Rooms
From Exposure 'B' to 'C'

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

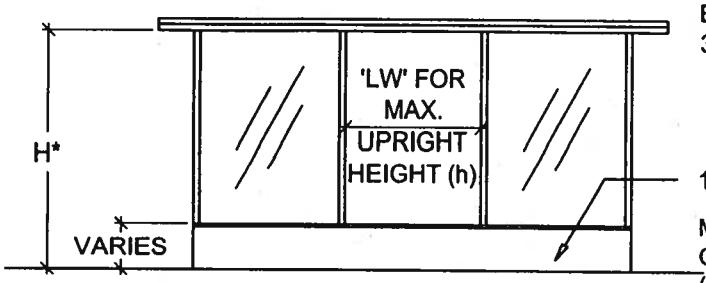
SCALE: N.T.S.



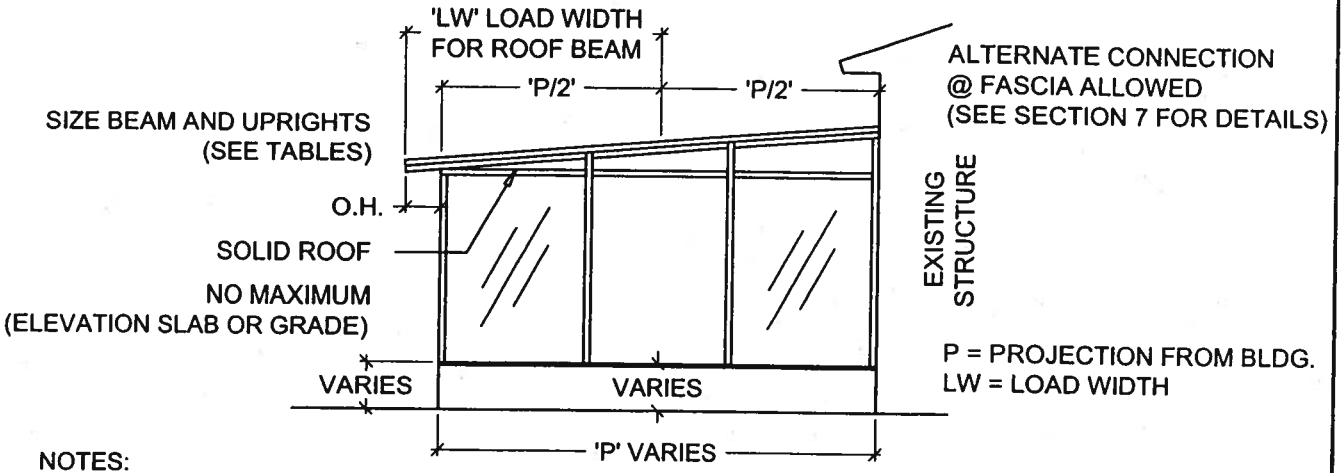
TYPICAL GABLE SOLID ROOF ENCLOSURE

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



TYPICAL SCREEN, ACRYLIC OR VINYL ROOM W/ SOLID ROOF TYP. FRONT VIEW FRAMING
* (HEIGHT OF UPRIGHT IS MEASURED FROM TOP OF 1" x 2" PLATE TO BOTTOM OF WALL BEAM)



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"

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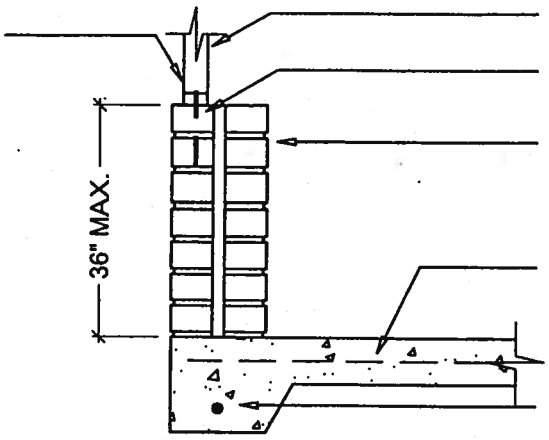
1/4" x 6" RAWL TAPPER THROUGH 1" x 2" AND ROW LOCK INTO FIRST COURSE OF BRICKS

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



ALUMINUM FRAME SCREEN WALL

ROW LOCK

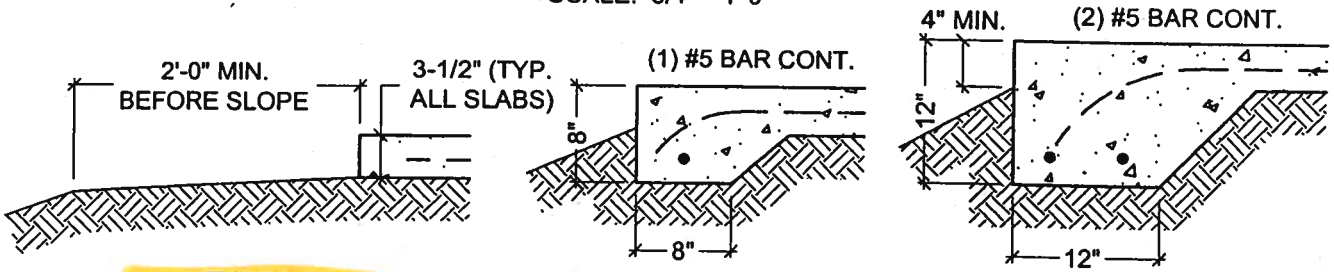
BRICK KNEEWALL TYPE S MORTAR REQUIRED FOR LOAD BEARING BRICK WALL

4" (NOMINAL) PATIO CONCRETE SLAB (SEE NOTES CONCERNING FIBER MESH)

(1) #5 Ø BARS W/ 3" COVER (TYPICAL)

BRICK KNEE WALL AND FOUNDATION FOR SCREEN WALLS

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



TYPE I
FLAT SLOPE / NO FOOTING
0-2" / 12"

TYPE II
MODERATE SLOPE FOOTING
2" / 12" - 1'-10"

TYPE III
STEEP SLOPE FOOTING
> 1'-10"

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 maufacturer'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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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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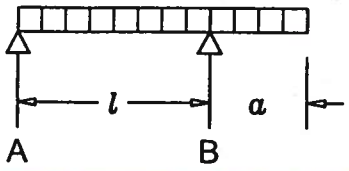
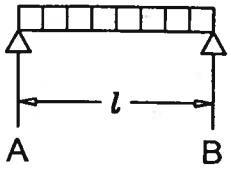
UNIFORM LOAD



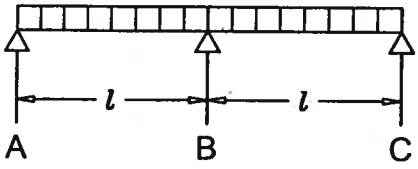
SINGLE SPAN CANTILEVER

UNIFORM LOAD



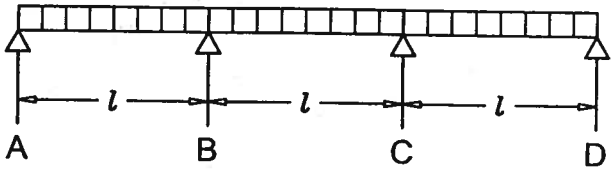
1 OR SINGLE SPAN

UNIFORM LOAD



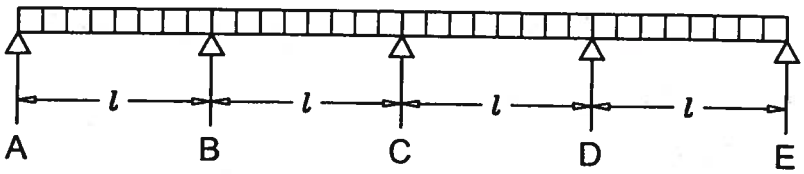
2 SPAN

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) 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.

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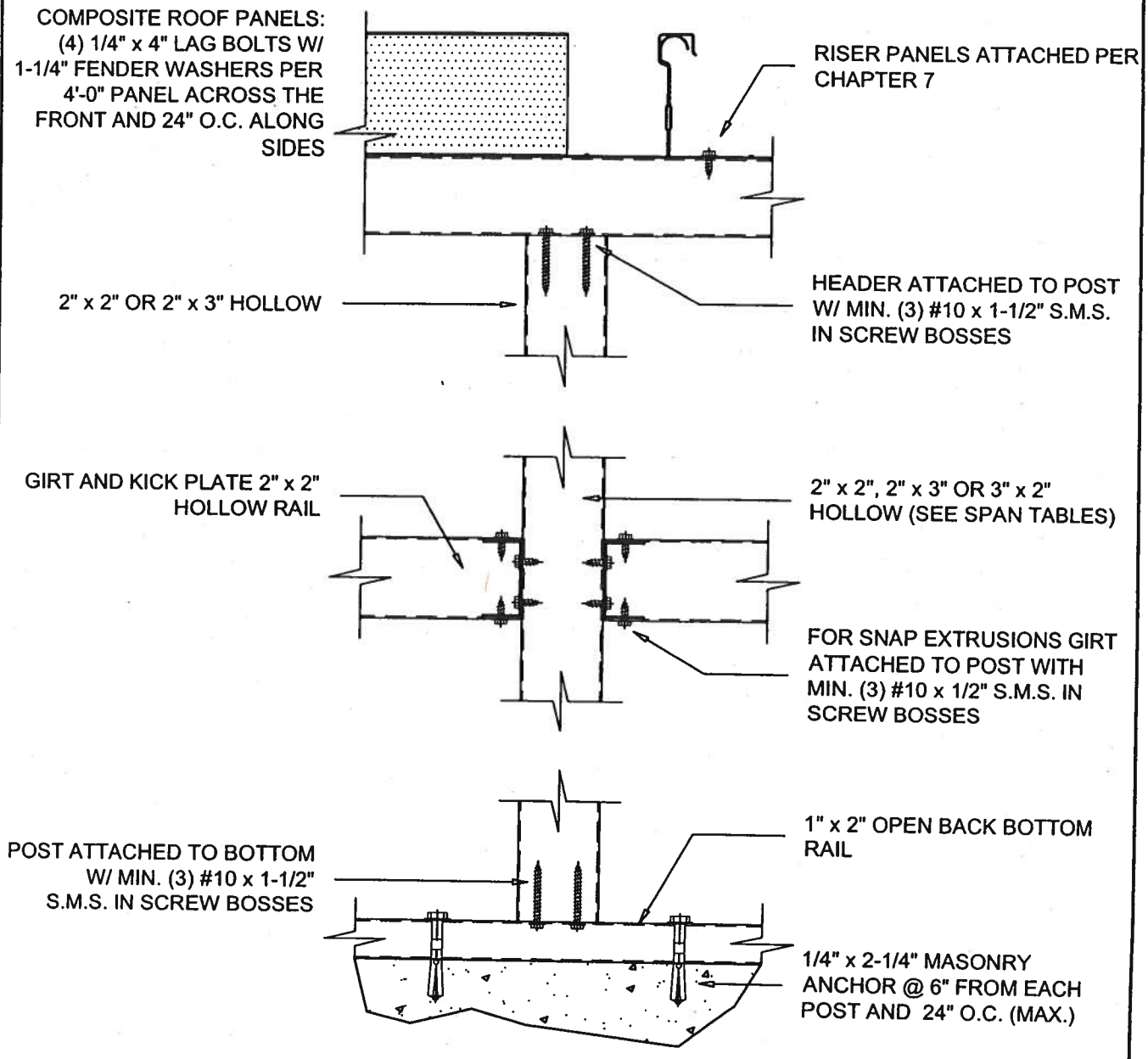

TYPICAL UPRIGHT DETAIL

SCALE: 3" = 1'-0"

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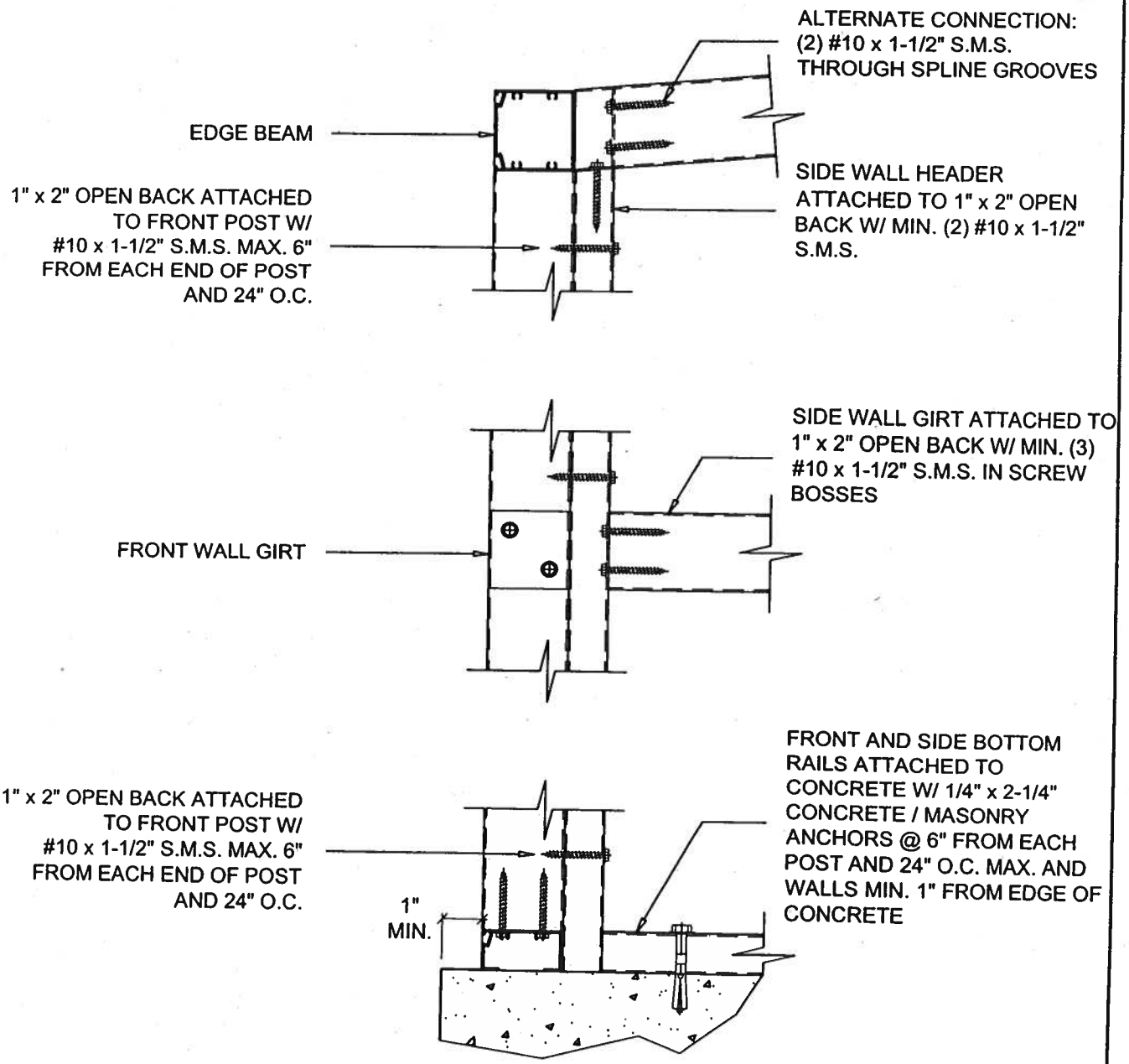

TYPICAL & ALTERNATE CORNER DETAIL

SCALE: 3" = 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 ispection 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 sealent.

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.

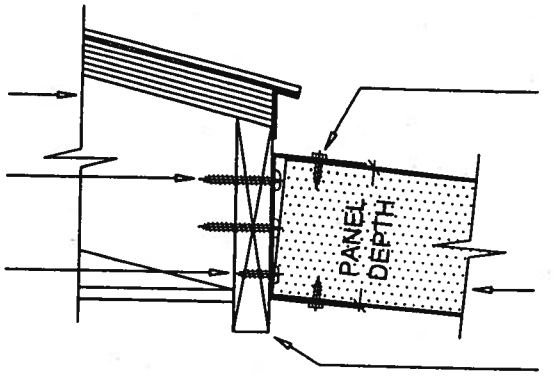
Conversion Table 7A
Load Coversion Factors Based on Mean Roof Height of Host Structure For All Components
Exposure "B" to "C"

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'

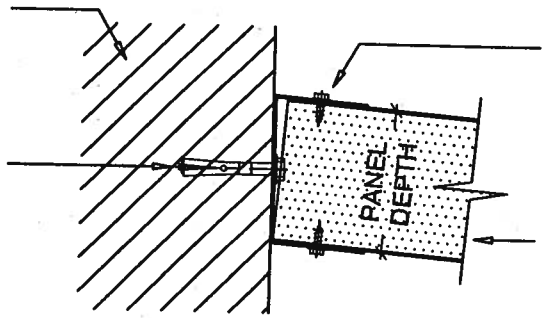
Mean Host Structure Height	Load Multiplier	Span Multiplier	
		Pans	Composite Panels
0 - 15'	1.21	0.94	0.91
15' - 20'	1.29	0.92	0.88
20' - 25'	1.34	0.91	0.86
25' - 30'	1.40	0.89	0.85

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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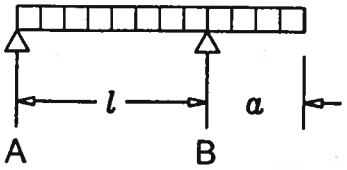
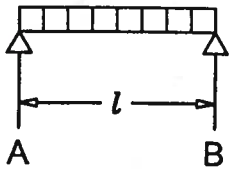
UNIFORM LOAD



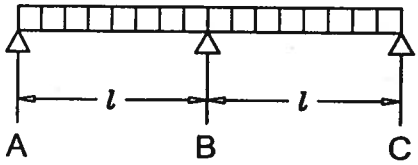
SINGLE SPAN CANTILEVER

UNIFORM LOAD



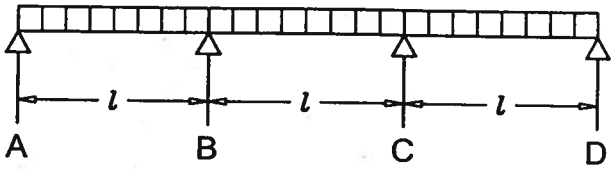
1 OR SINGLE SPAN

UNIFORM LOAD



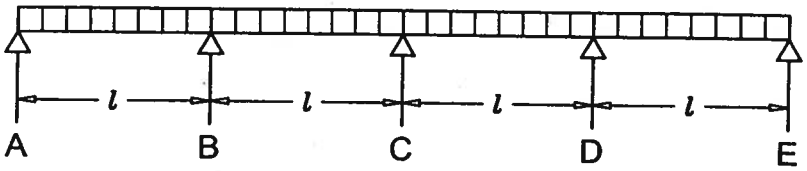
2 SPAN

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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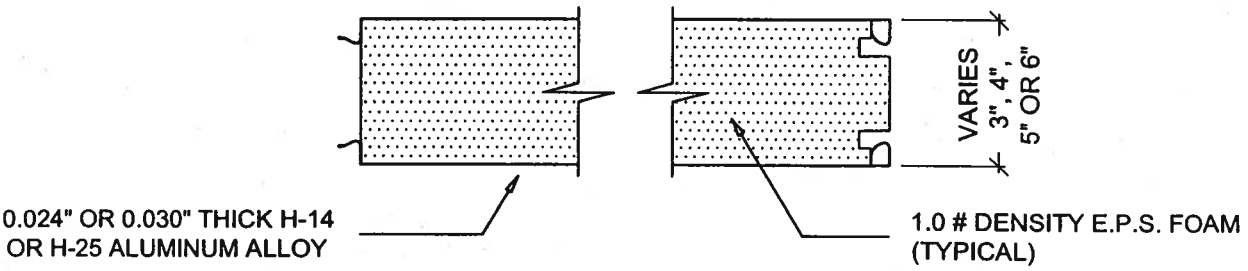
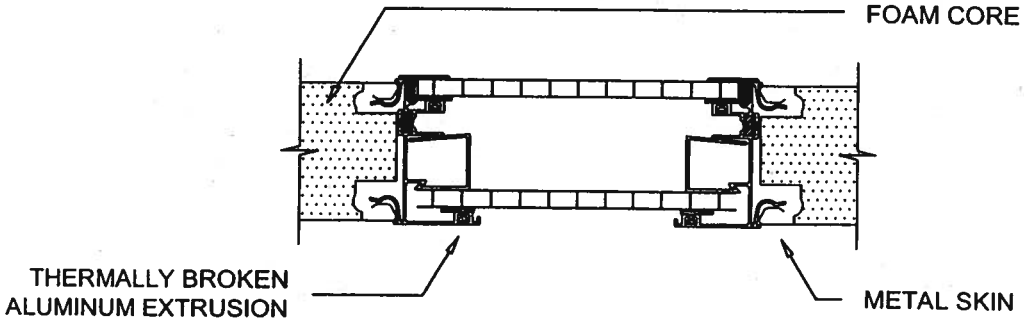
MANUFACTURERS PROPRIETARY PRODUCTS



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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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

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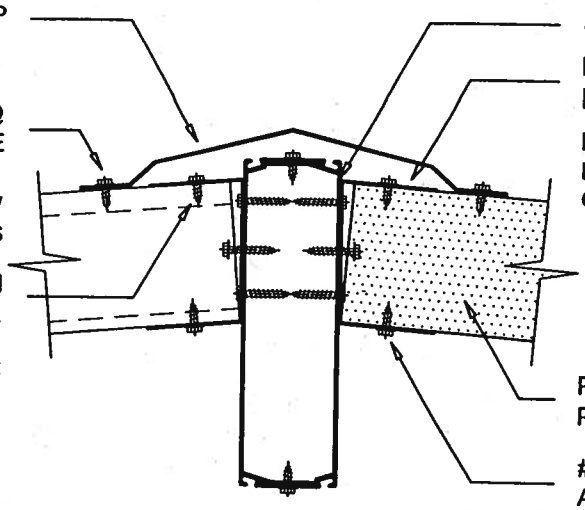
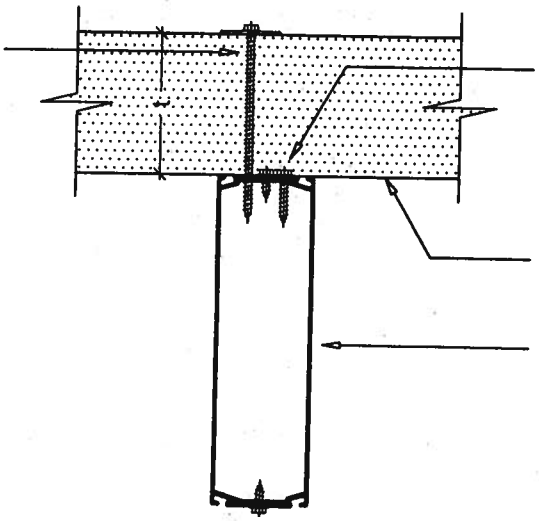
PAN ROOF ANCHORING DETAILS



ROOF PANEL TO BEAM DETAIL

SCALE: 3" = 1'-0"



ROOF PANEL TO BEAM FASTENING DETAIL

SCALE: 3" = 1'-0"

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CERTIFICATE OF 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 16-6S-17-09687-001 **Building permit No.** 000024637

Use Classification SCREEN ROOM **Fire:** 0.00

Permit Holder VINCE RICHARDSON **Waste:** 0.00

Owner of Building LEE & DENISE HARRELL **Total:** 0.00

Location: 1402 SW TOMMY LITES ST

Date: 06/28/2006

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)