

DATE 05/20/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000027027

APPLICANT SCOTT SAPP PHONE 352 732-0037
ADDRESS 2515 NW 10TH ST Ocala FL 34475
OWNER STEPHEN & KELLY DOUGLAS PHONE 352 871-1959
ADDRESS 650 SW QUAIL PLACE FT. WHITE FL 32038
CONTRACTOR SCOTT SAPP PHONE 352 732-0592
LOCATION OF PROPERTY 41S, TR ON CR 778, TL ON FORTUNE, TR ON QUAIL PLACE,
TO THE END ON LEFT
TYPE DEVELOPMENT SCREEN ROOM ESTIMATED COST OF CONSTRUCTION 49542.00
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 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 1 FLOOD ZONE N/A DEVELOPMENT PERMIT NO.

PARCEL ID 18-6S-17-09696-125 SUBDIVISION COLUMBIA ACRES
LOT 35/37 BLOCK PHASE UNIT TOTAL ACRES

SCC1311494
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING X08-151 CS JH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE

Check # or Cash 8796

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 \$ 250.00 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 300.00
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."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGRESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

10013-037

FROM : COLUMBIA CO BUILDING + ZONING FAX NO. : 386-758-2160

Apr. 28 2008 09:11AM P3

Columbia County Building Permit Application

For Office Use Only	Application # <u>0805-06</u>	Date Received <u>5/5</u>	By <u>JW</u>	Permit # <u>27027</u>
Zoning Official <u>afs</u>	Date <u>5/15/08</u>	Flood Zone <u>N/A</u>	Land Use <u>A-3</u>	Zoning <u>A-3</u>
FEMA Map # _____	Elevation _____	MFE _____	River _____	Plans Examiner <u>OKJTH</u> Date <u>5-12-08</u>
Comments _____				
☒ NOC ☒ EH ☒ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # _____ ☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter _____				
IMPACT FEES: EMS _____ Fire _____ Corr _____ Road/Code _____				
School _____ = TOTAL _____				

Septic Permit No. X-08-151 Fax 352 732 0592Name Authorized Person Signing Permit Scott R Sapp Phone 352 732 0037Address 2515 NW 10th St Ocala FL 34475Owners Name Stephen & Kelly Douglas Phone 352 871 1959911 Address 650 SW Quail Place Fort White FL 32038Contractors Name A+ Aluminum Inc Phone 352 732 0037Address 2515 NW 10th St Ocala FL 34475Fee Simple Owner Name & Address NABonding Co. Name & Address NAArchitect/Engineer Name & Address BennettMortgage Lenders Name & Address NACircle the correct power company - FL Power & Light Clay Elec. Suwannee Valley Elec. - Progress EnergyProperty ID Number 18-75-17-10013-037 Cost of Construction 49,542.00Subdivision Name Columbia Acres Block _____ Unit 2 Phase _____Driving Directions 441 South, @ 778, @ Fortune, @ Quail Place, left on left.Construction of SCREEN ROOM Total Acreage _____ Lot Size 16.75Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height _____Actual Distance of Structure from Property Lines - Front 220' Side 385' Side 53' Rear 665'Number of Stories 1 Heated Floor Area _____ Total 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.

- JW called 5/15/08 - left message

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

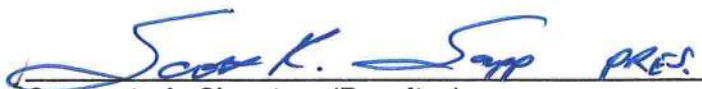
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: 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. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.



Owners Signature

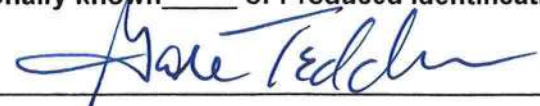
CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.



Contractor's Signature (Permitee)

Contractor's License Number SCC 131149584
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 5th day of May 2008.
Personally known _____ or Produced Identification DL _____



State of Florida Notary Signature (For the Contractor)



Columbia County Property Appraiser

DB Last Updated: 4/15/2008

2008 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Parcel: 18-7S-17-10013-037 HX

Search Result: 1 of 1

Owner & Property Info

Owner's Name	DOUGLAS STEPHEN P &		
Site Address	QUAIL		
Mailing Address	KELLY K DOUGLAS {JWTRS} 650 SW QUAIL PL FT WHITE, FL 32038		
Use Desc. (code)	MOBILE HOM (000200)		
Neighborhood	18717.01	Tax District	3
UD Codes	MKTA02	Market Area	02
Total Land Area	6.750 ACRES		
Description	NORTHWEST PART OF LOT 35 & LOT 37, COLUMBIA ACRES S/D ORB 990-850 & ORB 1005- 187 CQC 1016-1033		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (2)	\$71,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (1)	\$104,454.00
XFOB Value	cnt: (1)	\$1,600.00
Total Appraised Value		\$177,054.00

Just Value	\$177,054.00
Class Value	\$0.00
Assessed Value	\$130,036.00
Exempt Value	(code: HX) \$25,000.00
Total Taxable Value	\$105,036.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
5/6/2004	1016/1033	QC	V	U	03	\$100.00
1/22/2004	1005/187	QC	V	U	03	\$100.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SFR MANUF (000200)	2004	Vinyl Side (31)	2908	3680	\$104,454.00
Note: All S.F. calculations are based on <u>exterior</u> building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0190	FPLC PF	2004	\$1,600.00	1.000	0 x 0 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000200	MBL HM (MKT)	1.000 LT - (6.750AC)	1.00/1.00/1.15/1.00	\$69,000.00	\$69,000.00
009945	WELL/SEPT (MKT)	1.000 UT - (.000AC)	1.00/1.00/1.00/1.00	\$2,000.00	\$2,000.00

Columbia County Property Appraiser

DB Last Updated: 4/15/2008

Client#: 25451

2ALUM

ACORD™ CERTIFICATE OF LIABILITY INSURANCE		DATE (MM/DD/YYYY) 04/28/08
PRODUCER Hilb Rogal & Hobbs of FL, Inc. 4880 Newberry Road, Ste. 100 Gainesville, FL 32635-7400 352 378-2511		THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.
INSURED A + Aluminum, Inc 2515 NW 10th Street Ocala, FL 34475		INSURERS AFFORDING COVERAGE INSURER A: Cincinnati Insurance Co INSURER B: INSURER C: INSURER D: INSURER E:
		NAIC # 10677

COVERAGES

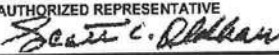
THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR	INSR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A		GENERAL LIABILITY ☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☒ OCCUR ☒ PD Ded:250 GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PRO-JECT ☐ LOC	CAP5898965	11/21/07	11/21/08	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$100,000 MED EXP (Any one person) \$5,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000
		AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ☐ NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
		GARAGE LIABILITY ☐ ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EA ACC \$ AGG \$
		EXCESS/UMBRELLA LIABILITY ☐ OCCUR ☐ CLAIMS MADE ☐ DEDUCTIBLE RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$ \$
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				WC STATU-TORY LIMITS ☐ OTH-ER ☐ E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
		OTHER				

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

CERTIFICATE HOLDER

CANCELLATION

Columbia County Building Department 135 N. E. Hernando Avenue Lake City, FL 32055	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL <u>10</u> DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE 
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AC# 3233803

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L07052500502

DATE

BATCH NUMBER

LICENSE NBR

05/25/2007

060741058

0B23218

The BUSINESS ORGANIZATION

Named below IS QUALIFIED
Under the provisions of Chapter 489 FS.

Expiration date: AUG 31, 2009

(THIS IS NOT A LICENSE TO PERFORM WORK. THIS ALLOWS
COMPANY TO DO BUSINESS ONLY IF IT HAS A QUALIFIER.)A + ALUMINUM INC
8490 NE 61 PLACE
BRONSON

FL 32621

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

HOLLY BENSON
SECRETARY

AC# 2667673

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L06072003126

DATE

BATCH NUMBER

LICENSE NBR

07/20/2006

050838786

SCC131149584

The SPECIALTY STRUCTURE CONTRACTOR

Named below IS CERTIFIED

Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2008SAPP, SCOTT K
A + ALUMINUM INC
8490 NE 61 PLACE
BRONSON

FL 32621

JEB BUSH
GOVERNOR

DISPLAY AS REQUIRED BY LAW

SIMONE MARSTILLER
SECRETARY

04/28/2008

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

PRODUCER (352)377-2002 FAX (352)376-8393
 Scarborough Company Insurance, Inc.
 2811 NW 41st Street
 P. O. Box 147050
 Gainesville, FL 32614-7050

INSURED A Plus Aluminum Inc
 DBA: Scott Sapp
 2515 NW 10th St. Ste-2
 Ocala, FL 34475

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE

NAIC #

INSURER A: Bridgefield Employers Ins Comp

0178

INSURER B: Old Republic Surety Company

0042

INSURER C:

INSURER D:

INSURER E:

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

NBR	ADD'L	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
		GENERAL LIABILITY				EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/DP AGG \$
		☐ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☐ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PRO-JECT ☐ LOC				
		AUTOMOBILE LIABILITY				COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
		☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ☐ NON-OWNED AUTOS				
		GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EA ACC \$ AGG \$
		☐ ANY AUTO				
		EXCESS/UMBRELLA LIABILITY				EACH OCCURRENCE \$ AGGREGATE \$ DEDUCTIBLE \$ RETENTION \$
		☐ OCCUR ☐ CLAIMS MADE ☐ DEDUCTIBLE ☐ RETENTION \$				
A		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below	0830-25291	07/31/2007	07/31/2008	X WC STATU- TORY LIMITS X OTH- ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B		OTHER CONTRACTOR'S BOND - \$5,000.00	OFL0494564	07/31/2007	07/31/2008	OTHER-XS LIMITS ALSO APPLY

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

CERTIFICATE HOLDER

Columbia County Building Department
 135 NE Hernando Ave
 Lake City, FL 32055

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

Jacqueline Horsley/JCH

Jacqueline Horsley



State Certified
SCC131149584

A+ Aluminum, Inc.

2515 NW 10th Street Unit 2-3
Ocala, FL 34475



Phone: Marion County - (352) 732-0037 Alachua/Levy - (352) 378-2822
1-800-223-5449 Fax: (352) 732-0592 Bronson - 1-(352) 486-6886
Email: Aplusaluminum@aol.com Villages - (352) 430-3924

PROPOSAL

PROPOSAL SUBMITTED TO STEVE DOUGLAS	PHONE 352 871-1959	DATE 4-11-08
STREET ADDRESS 650 SW Quail Pl.	JOB NAME 386 454-8693	
CITY, STATE AND ZIP CODE FORT WHITE FL. 32038	JOB ADDRESS	
LEGAL DESCRIPTION	PARCEL	APPROXIMATE SCHEDULE MAY 5TH OR AFTER

We hereby submit specifications and estimates for

- 1) 16'x52' WOOD DECK. ALL PRESSURE TREATED WOOD. DECKED WITH PLY WOOD 3/4" ONE SET OF 8' WIDE STEPS. BUILT TO CODE.
- 2) 16'x52' SCREEN ROOM. GABLE INTO LEAN TO, COMPOSITE PANEL INSULATED. (4) SKY LIGHTS (2'x4') WITH GUTTER + FASCIA. ALUMINUM FRAME 2"X3". 24" KICK PLATE. ONE SET OF FRENCH STYLE DOORS. 1 1/4 CHARCOAL SCREEN BUILT TO CODE
- 3) 10'x64' PATIO COVER. LEAN, GABLE. LEAN, GABLE. TO MATCH FRONT OF HOME. COMPOSITE PANEL INSULATED (2) SKY LIGHTS (2'x4') WITH GUTTER + FASCIA. ALUMINUM FRAMED 4'x4' POSTS. WITH 36" ALUMINUM HANDRAIL ONE SET OF CONCRETE STEPS.
- 4) 6'x32' BREEZE WAY. GABLE STYLE COMPOSITE PANEL INSULATED ALUMINUM FRAMED 4'x4' POSTS. GUTTER + FASCIA. WITH ALUMINUM HANDRAIL

Color: **WHITE**

+ PERMITS INCLUDED - Steps in front matching existing in width. Steps in back have landing and hand rails
All overhangs to be 1 foot

THIS PROPOSAL IS SUBJECT TO ALL TERMS AND CONDITIONS SET FORTH ON THE REVERSE SIDE OF THIS PAGE.

FILE COPY

Lawrence E. Bennett, P.E.

P.O. Box 214368

South Daytona, FL 32121

386-767-4774

fax: 386-767-6556

January 1, 2008

TO ALL BUILDING DEPARTMENTS

Re: Master File Engineering

"ALUMINUM STRUCTURES DESIGN MANUAL"

2004 Florida Building Code with 2006 Supplements

Dear Building Official/Plans Examiner:

This is to certify that the following contractor/company is hereby authorized to use my
"ALUMINUM STRUCTURES DESIGN MANUAL" during the year 2008.

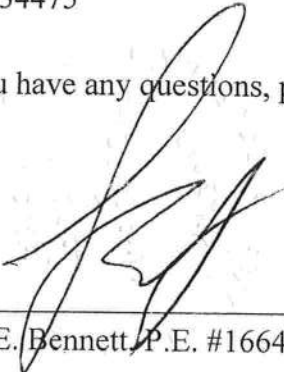
Authorization is on a January to January basis regardless of the edition of the manual. This
authorization also applies to contractor master file drawings, "ONE PERMIT ONLY" drawings
or any "site specific" drawings that I may furnish the contractor.

The following contractor/company is hereby added to my 2008 MASTERFILE LIST:

Scott K Sapp
A+ Aluminum Inc
2515 NW 10th St unit 2
Ocala, FL 34475

Should you have any questions, please contact me at your convenience.

Sincerely,



Lawrence E. Bennett, P.E. #16644

584

385'

220

EXIST CONC.
PROP ROOF

PROP.
BREEZE
/ WAY

$$m/t$$

32'

531

PROP. WOODDECK
+ SCREEN ROOM

232

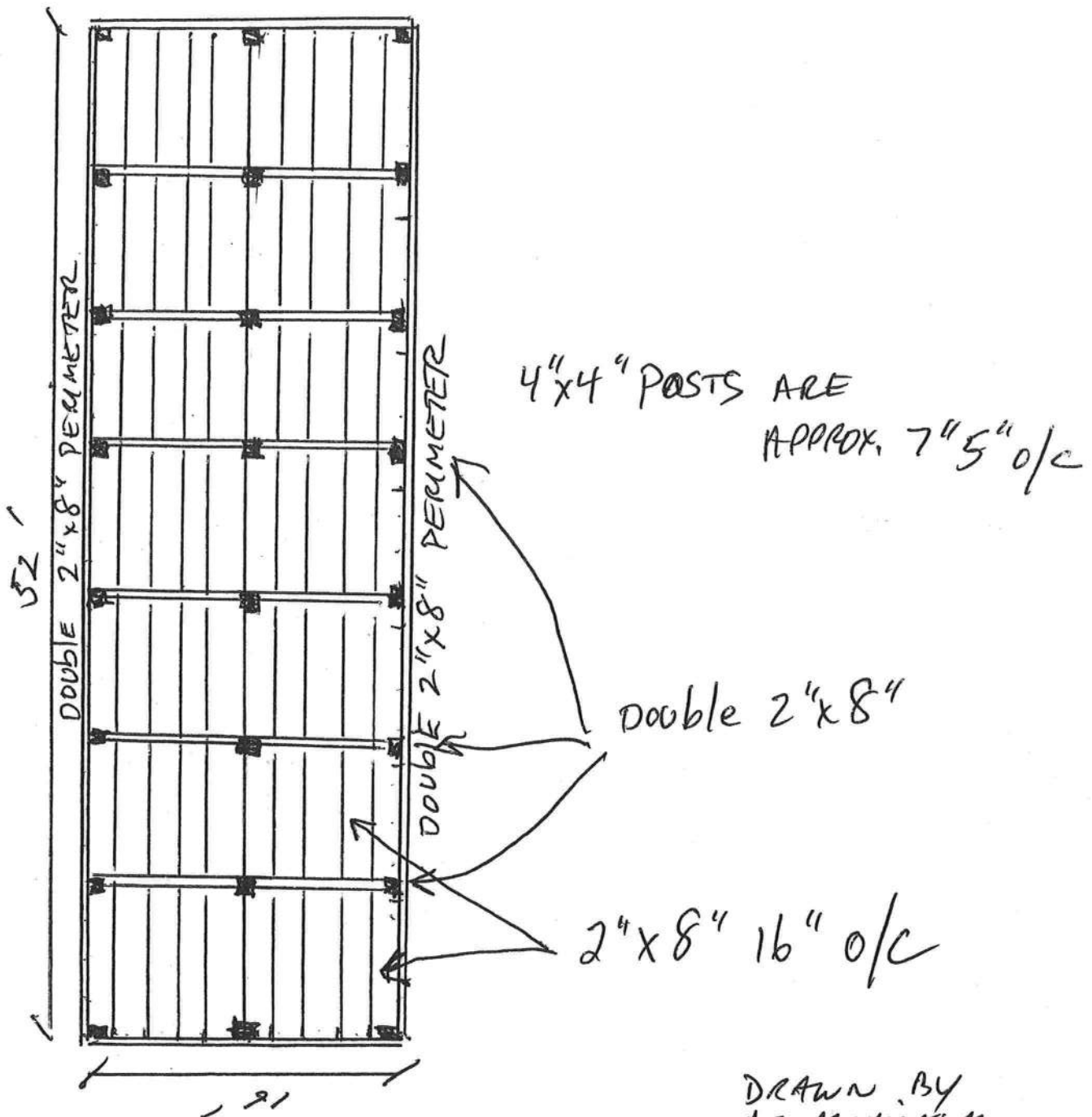
360.

599

640

FILE COPY

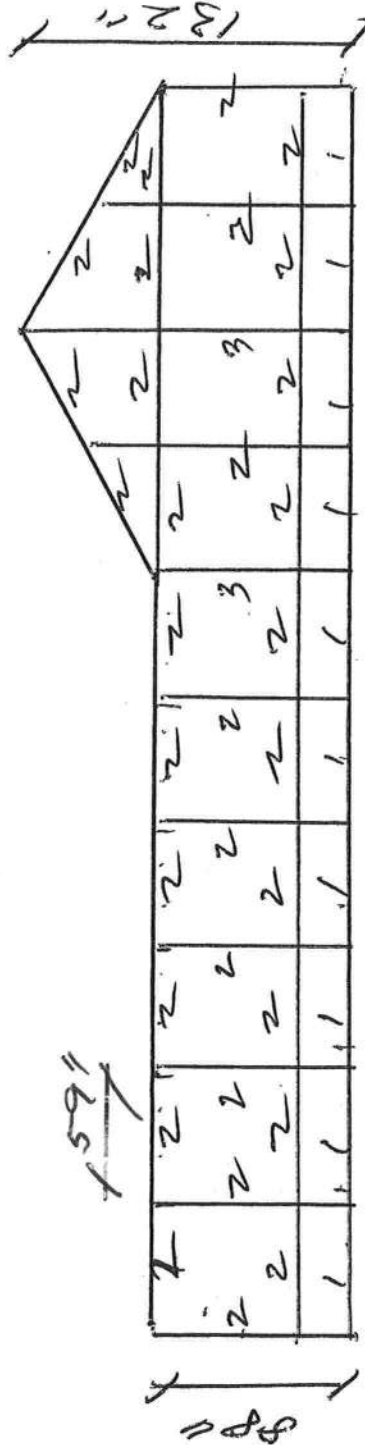
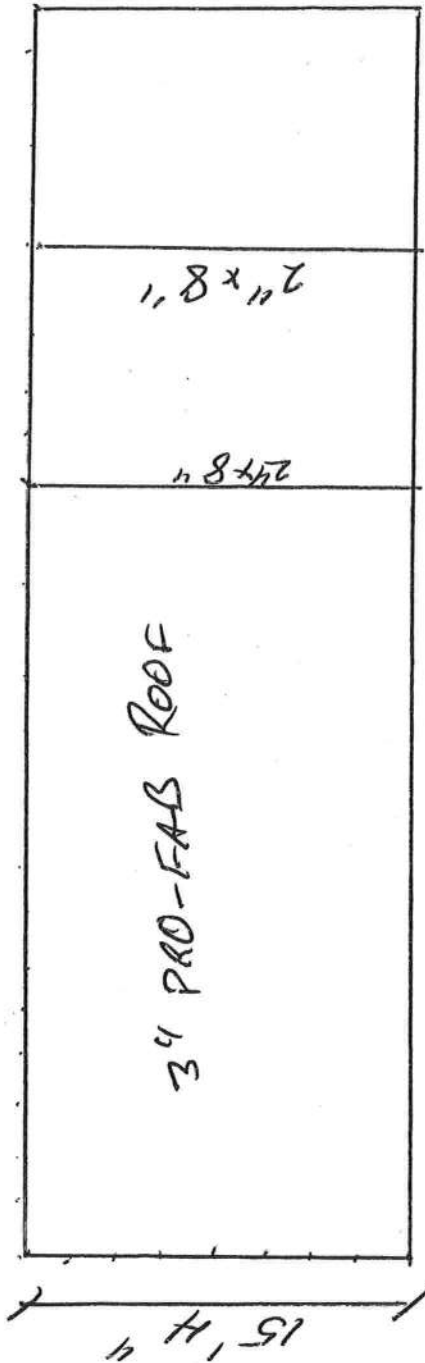
DOUGLAS
650 SW QUAIL PL
FT WHITE FL
871-1959



DRAWN BY
AT ALUMINUM
2515 NW 10 ST
DADE FL
732-0837

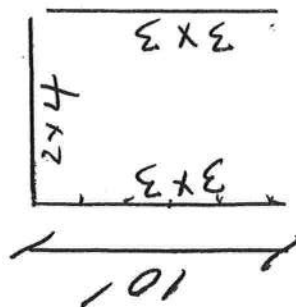
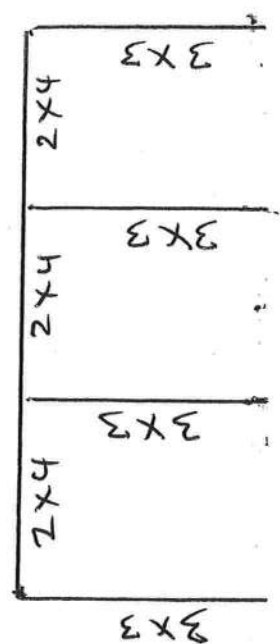
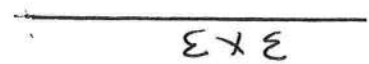
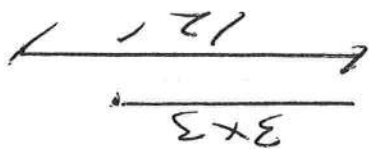
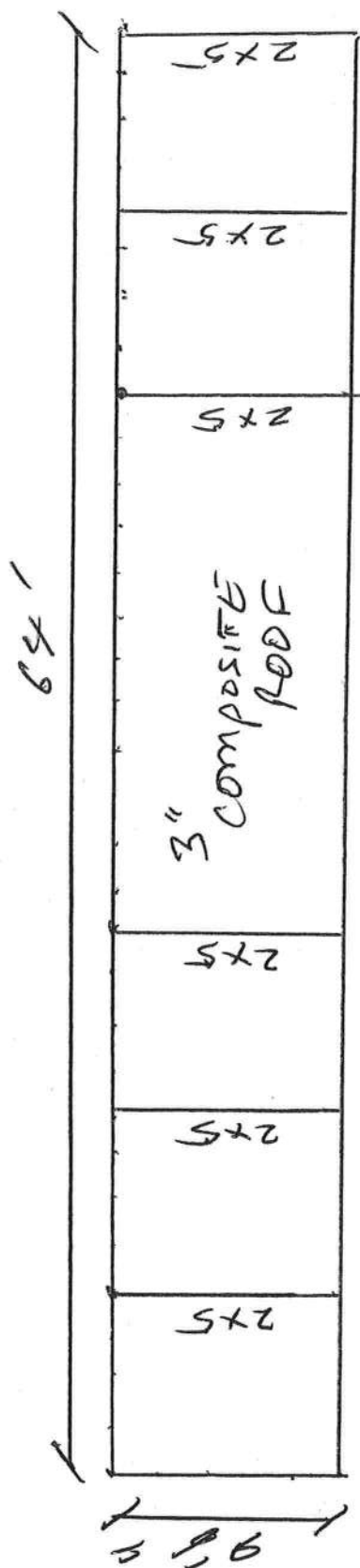
DOUGLAS
 650 SW QUAIL PL
 FT. WHITE FL
 871-1959

1	1		1
2	2		2
2	2	2	1
2	2	2	2

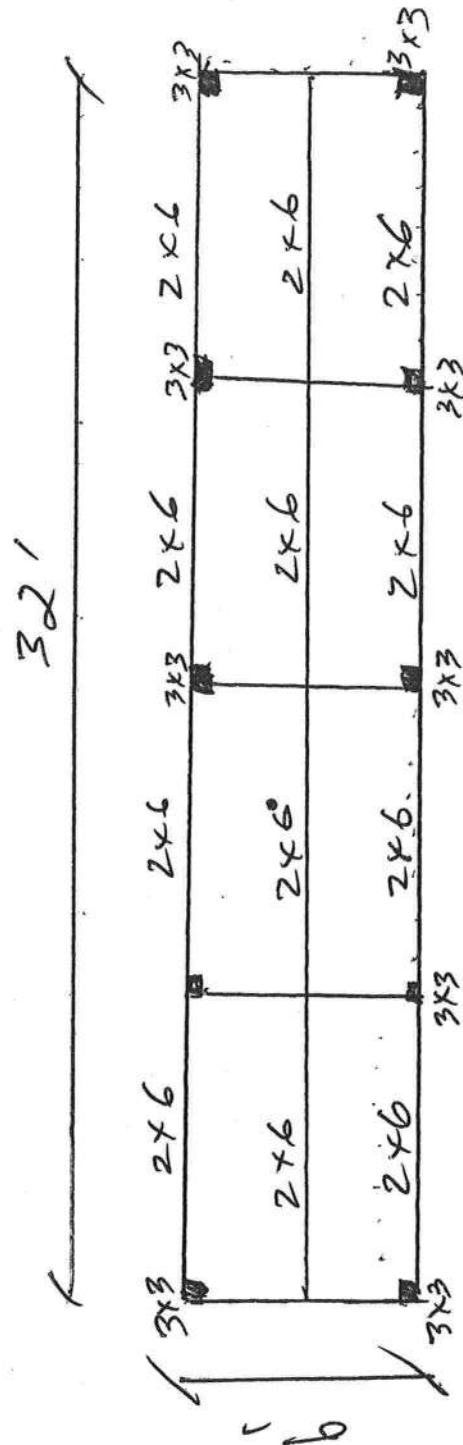


2	2	2	2
1	2	2	2
2	2	2	2
1	1	1	1

1 = 1x2 .044
 2 = 3x2 .070
 3 = 3x3 .093

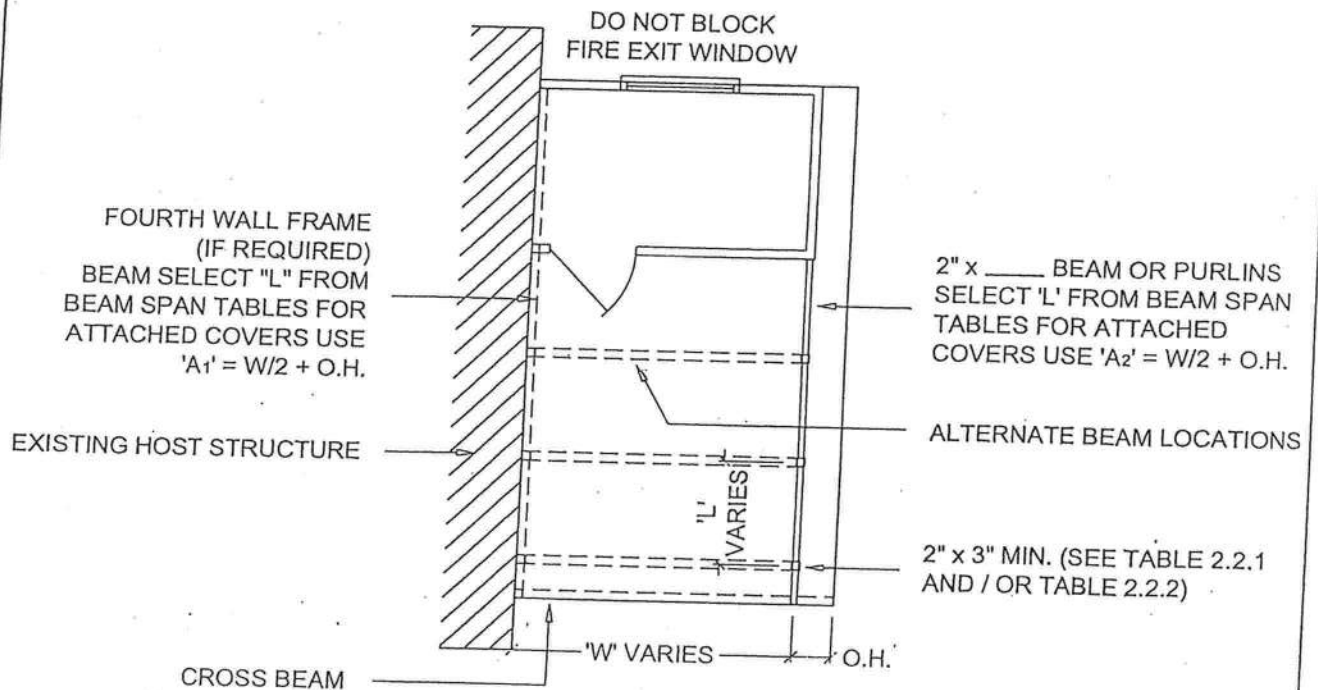


Douglas
650 SW QUAIL PL
FORT WARE



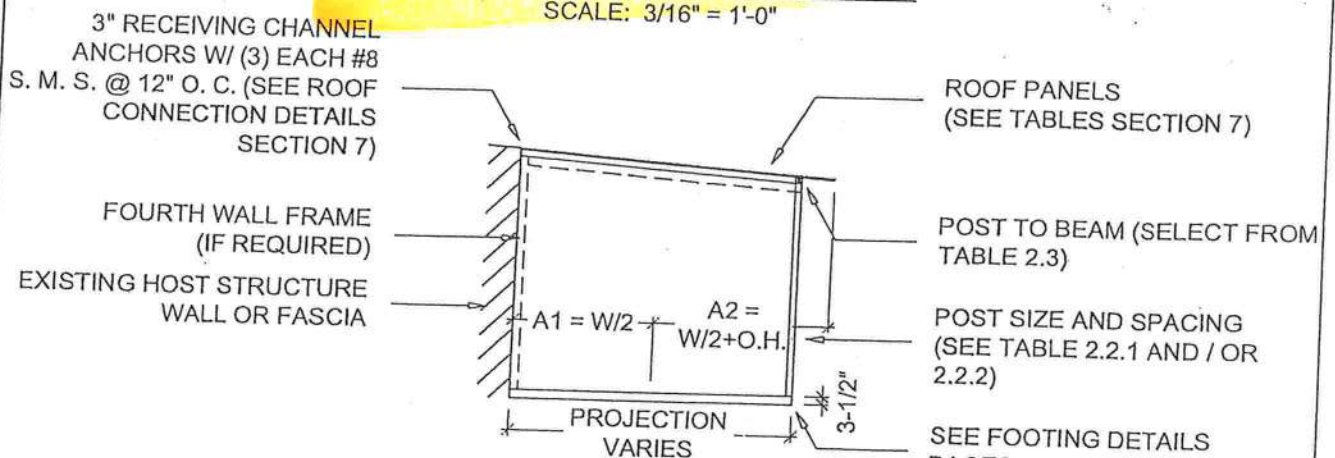
6'x32' BRIDGEWAY
3" COMPOSITE ROOF
10' HIGH

DRAWN BY
AT ALUMINUM
2515 NW 10 ST
OCALA FL
732-0037



SINGLE CARPORT - PLAN VIEW

SCALE: 3/16" = 1'-0"



SINGLE CARPORT - ELEVATION VIEW

SCALE: 3/16" = 1'-0"

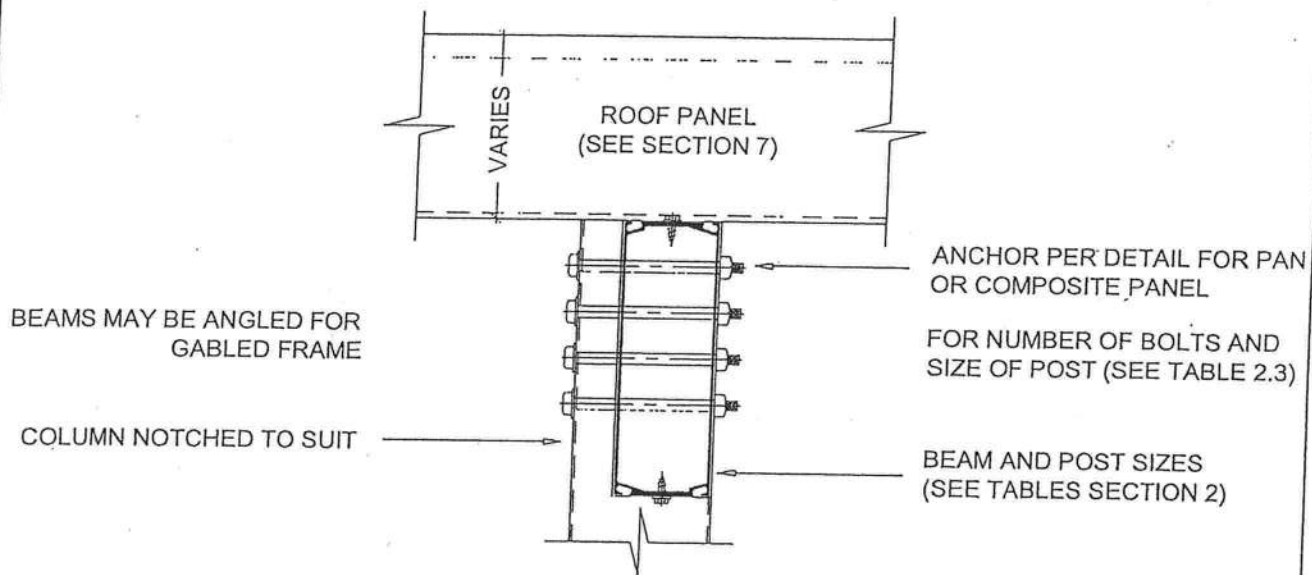
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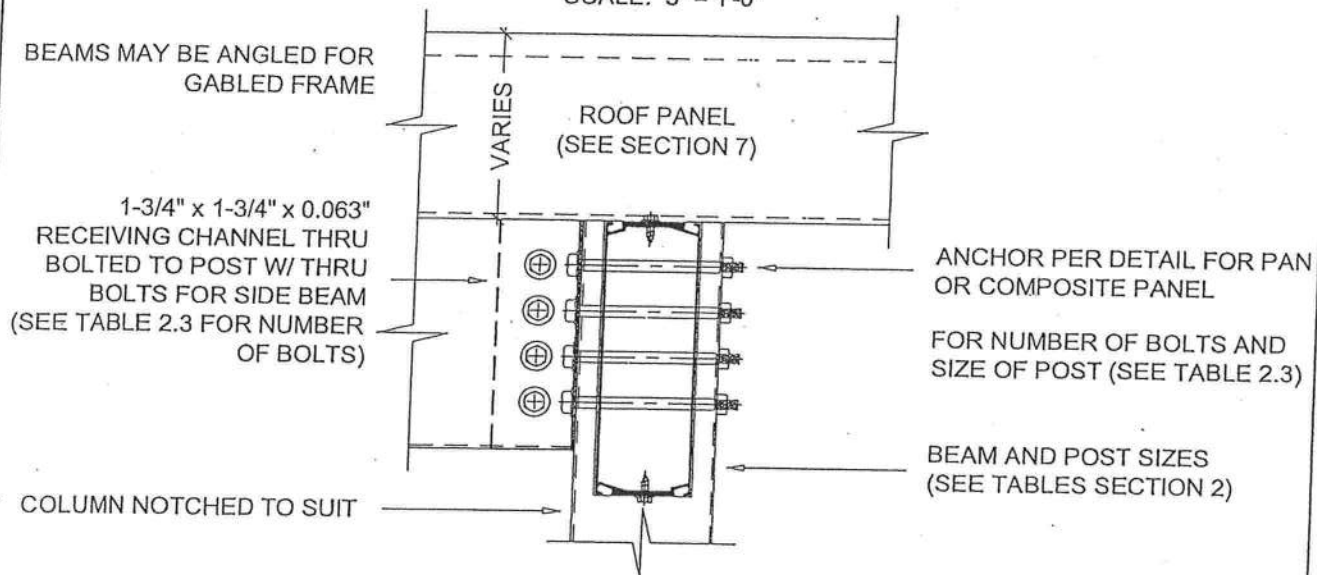
P.O. Box 214368, South Daytona, FL 32121

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**SIDE NOTCH POST TO BEAM CONNECTION**

SCALE: 3" = 1'-0"

**CENTER NOTCH POST TO BEAM CONNECTION**

SCALE: 3" = 1'-0"

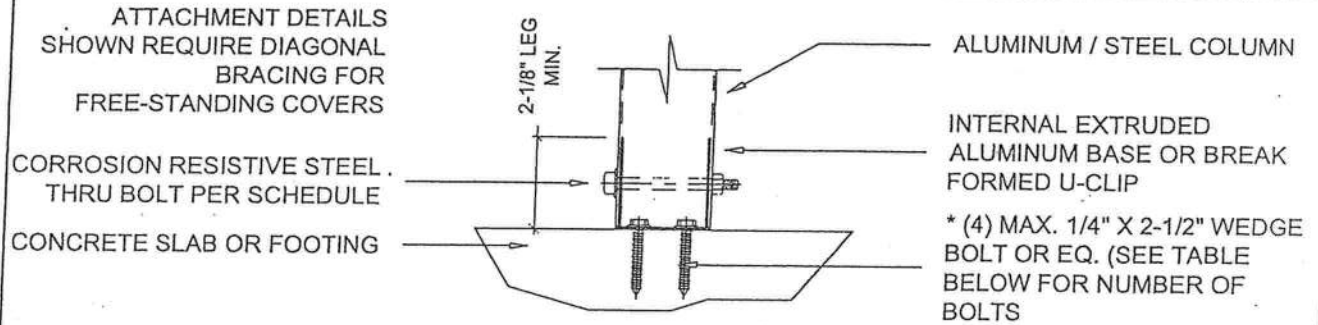
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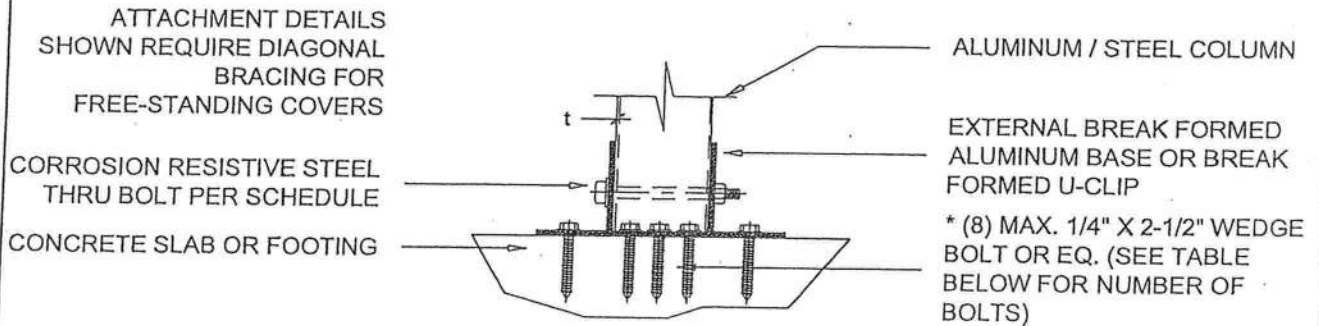
Telephone #: (386) 767-4774 Fax #: (386) 767-6556

Email: lebpe@bellsouth.net



TYPE I POST TO CONCRETE CONNECTION
TUBE COLUMN BASE SCHEMATIC INTERNAL BASE

SCALE: 3" = 1'-0"



TYPE II POST TO CONCRETE CONNECTION
BREAK FORMED COLUMN BASE SCHEMATIC EXTERNAL BASE

SCALE: 3" = 1'-0"

* FOR POST TO WOOD DECK (MIN. 2" NOMINAL LUMBER) USE THESE DETAILS W/ WOOD FASTENERS.
NOTE:

ALL BASE PLATES SHALL BE A MINIMUM OF 2-1/8" IN HEIGHT AND SHALL BE 0.125" 6063 T-6 EXTRUDED ALLOY OR 0.125" 5052 H-32 BREAK FORMED ALLOY

Number of Wedge Bolts (POWERS or Equal) for Super Base Connection

Wind Zone (MPH)	Wind Uplift (PSF)	Post Spacing / Number of Fasteners						
		8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"
100	16.6	2	2	3	3	4	4	5 *
110	17.7	2	2	3	3	4	4	5 *
120	21.1	2	3	3	4	5 *	5 *	6 *
123	22.2	2	3	4	4	5 *	5 *	6 *
130	24.8	3	3	4	5 *	5 *	6 *	7 *
140-1&2	28.7	3	4	5 *	5 *	6 *	7 *	8 *
150	33.0	4	5 *	5 *	6 *	7 *	8 *	9 **

* For connections that require more than (4) fasteners use type II base.

** For connections that require more than eight bolts use the "Super Base".

Note: Allowable load on 1/4" x 2-1/2" Wedge Bolt or Equiv. @ 5d is 878#.

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Table 2.1.2-110 Allowable Roof Beam Spans

For Attached Covers, Fourth Wall Structures, or Freestanding Gabled Carports
 For 3 sec. wind gust at 110 MPH; using design load of 17.7 #/SF (47.1 #/SF for Max. Cantilever)
 Aluminum Alloy 6063 T-6

2" x 3" x 0.045" Hollow					2" x 3" x 0.050" Hollow Tilt				
Load	Max. Span 'L'/(bending 'b' or deflection 'd')				Load	Max. Span 'L'/(bending 'b' or deflection 'd')			
Width (ft.)	1&2 Span	3 Span	4 Span	Max. Cantilever	Width (ft.)	1&2 Span	3 Span	4 Span	Max. Cantilever
4	6'-11" d	8'-6" d	8'-5" b	1'-6" d	4	6'-9" d	8'-4" d	8'-2" b	1'-5" d
5	6'-5" d	7'-9" b	7'-6" b	1'-4" d	5	6'-3" d	7'-7" b	7'-4" b	1'-4" d
6	6'-0" d	7'-1" b	6'-10" b	1'-3" d	6	5'-11" d	6'-11" b	6'-8" b	1'-3" d
7	5'-8" d	6'-7" b	6'-4" b	1'-3" d	7	5'-7" d	6'-5" b	6'-2" b	1'-2" d
8	5'-5" d	6'-2" b	5'-11" b	1'-2" d	8	5'-4" b	5'-11" b	5'-9" b	1'-2" d
9	5'-2" b	5'-9" b	5'-7" b	1'-1" d	9	5'-1" b	5'-8" b	5'-5" b	1'-1" d
10	4'-11" b	5'-6" b	5'-4" b	1'-1" d	10	4'-9" b	5'-4" b	5'-2" b	1'-1" d
11	4'-8" b	5'-3" b	5'-1" b	1'-1" d	11	4'-7" b	5'-1" b	4'-11" b	1'-0" d
12	4'-6" b	5'-0" b	4'-10" b	1'-0" d	12	4'-4" b	4'-11" b	4'-9" b	1'-0" d
2" x 4" x 0.045" Hollow Tilt					2" x 4" x 0.044" x 0.100" Self Mating Beam				
Load	Max. Span 'L'/(bending 'b' or deflection 'd')				Load	Max. Span 'L'/(bending 'b' or deflection 'd')			
Width (ft.)	1&2 Span	3 Span	4 Span	Max. Cantilever	Width (ft.)	1&2 Span	3 Span	4 Span	Max. Cantilever
4	8'-7" d	10'-2" b	9'-10" b	1'-10" d	4	9'-11" d	11'-5" b	11'-1" b	2'-2" d
5	7'-11" d	9'-1" b	8'-10" b	1'-8" d	5	9'-2" b	10'-3" b	9'-11" b	1'-11" d
6	7'-5" b	8'-4" b	8'-0" b	1'-7" d	6	8'-4" b	9'-4" b	9'-0" b	1'-10" d
7	6'-11" b	7'-8" b	7'-5" b	1'-6" d	7	7'-9" b	8'-8" b	8'-4" b	1'-9" d
8	6'-5" b	7'-2" b	6'-11" b	1'-5" d	8	7'-3" b	8'-1" b	7'-10" b	1'-8" d
9	6'-1" b	6'-9" b	6'-7" b	1'-5" d	9	6'-10" b	7'-7" b	7'-4" b	1'-7" d
10	5'-9" b	6'-5" b	6'-3" b	1'-4" d	10	6'-6" b	7'-3" b	6'-11" b	1'-7" d
11	5'-6" b	6'-2" b	5'-11" b	1'-4" d	11	6'-2" b	6'-11" b	6'-8" b	1'-6" d
12	5'-3" b	5'-11" b	5'-8" b	1'-3" d	12	5'-11" b	6'-7" b	6'-4" b	1'-6" d
2" x 5" x 0.050" x 0.100" Self Mating Beam					2" x 6" x 0.050" x 0.120" Self Mating Beam				
Load	Max. Span 'L'/(bending 'b' or deflection 'd')				Load	Max. Span 'L'/(bending 'b' or deflection 'd')			
Width (ft.)	1&2 Span	3 Span	4 Span	Max. Cantilever	Width (ft.)	1&2 Span	3 Span	4 Span	Max. Cantilever
4	12'-4" d	14'-0" b	13'-7" b	2'-8" d	4	14'-0" b	15'-8" b	15'-2" b	3'-1" d
5	11'-3" b	12'-6" b	12'-1" b	2'-5" d	5	12'-7" b	14'-0" b	13'-7" b	2'-10" d
6	10'-3" b	11'-5" b	11'-1" b	2'-4" d	6	11'-5" b	12'-10" b	12'-4" b	2'-8" d
7	9'-6" b	10'-7" b	10'-3" b	2'-2" d	7	10'-7" b	11'-10" b	11'-5" b	2'-7" d
8	8'-10" b	9'-11" b	9'-7" b	2'-1" d	8	9'-11" b	11'-1" b	10'-9" b	2'-5" d
9	8'-4" b	9'-4" b	9'-0" b	2'-0" d	9	9'-4" b	10'-5" b	10'-1" b	2'-4" d
10	7'-11" b	8'-10" b	8'-7" b	1'-11" d	10	8'-10" b	9'-11" b	9'-7" b	2'-3" d
11	7'-7" b	8'-5" b	8'-2" b	1'-11" d	11	8'-6" b	9'-5" b	9'-2" b	2'-2" d
12	7'-3" b	8'-1" b	7'-10" b	1'-10" d	12	8'-1" b	9'-1" b	8'-9" b	2'-2" d

* Gabled sloped roofs include gables with a roof slope greater than 1" in 12".

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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SECTION 2

ATTACHED & FREE-STANDING COVERS AND UTILITY SHEDS

Table 2.3 Schedule of Post to Beam Size and Number of Thru-Bolts Possible w/ Min. Edge Distance of 2-1/2d
Aluminum Alloy 6063 T-6

Beam Size	Minimum Post Size	Min. # Thru-Bolts @ Beam (ø)				Min. # Thru-Bolts @ Post Base				Minimum Knee Brace*	Minimum # Knee Brace Screws***	
		1/4"	5/16"	3/8"	1/2"	1/4"	5/16"	3/8"	1/2"			
Hollow Sections												
2" x 2" x 0.044" Cross Beam	N/A	N/A**	N/A**	N/A**	N/A**	N/A**	N/A**	N/A**	N/A**	2" X 2"	3	
2" x 3" x 0.050" Hollow Tilt	2" x 2" x 0.044" or 2" x 2" x 0.045" Snap	5	3	3	2	3	2	1	1	2" x 3" x 0.050"	3	
2" x 4" x 0.050" Hollow	2" x 3" x 0.045" Hollow or 2" x 3" x 0.045" Snap	7	5	4	3	5	3	3	3	2" x 3" x 0.050"	3	
Self Mating Beams												
2" x 4" x 0.038" X 0.100"	3" x 3" x 0.060" Scalloped	5	4	2	2	5	3	3	2	2" x 3" x 0.050"	3	
2" x 5" x 0.050" X 0.100"	3" x 3" x 0.060" Scalloped	7	5	3	3	5	3	3	2	2" x 3" x 0.050"	3	
2" x 6" x 0.050" X 0.120"	3" x 3" x 0.060" Scalloped	8	6	3	3	5	3	3	2	2" x 3" x 0.050"	3	
2" x 7" x 0.055" x 0.120"	3" x 3" x 0.093"	10	7	4	4	5	3	3	2	2" x 4" x 0.050"	3	
2" x 8" x 0.072" x 0.224"	3" x 3" x 0.093"	11	9	5	5	5	3	3	2	2" x 4" x 0.050"	3	
2" x 9" x 0.072" x 0.224"	3" x 3" x 0.125"	13	10	6	6	5	3	3	2	2" x 4" x 0.050"	3	
2" x 9" x 0.082" x 0.306"	4" x 4" x 0.125"	13	11	6	6	7	5	4	3	2" x 4" x 0.050"	3	
2" x 10" x 0.092" x 0.369"	4" x 4" x 0.125"	15	15	7	7	19	5	4	3	2" x 4" x 0.050"	4	

The minimum number of thru bolts is (2)

The minimum number of thru bolts is (2)

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

** Fasten external screws or clips. See Details

*** For screw size see wind zone chart

The minimum size and spacing of stitching screws shall be the same as table 3A.3.

Example:

Number of bolts required for 120 MPH, "B" exposure, Attached (Enclosed) structure; MWFRS Design Load 14 PSF

load width of post = 12', post spacing = 10', w2 = 14 PSF

Post Uplift = 12' x 10' x 14' = 1680#

From Table 9.4A* use wall thickness of lesser member

Example: use t_{wall} = 0.60"

Allowable Loads		# Bolts Req'd *		@ post base		@ beam	
1/4" = 468# / bolt		3.52 use 4		yes		yes	
5/16" = 610# / bolt		2.75 use 3		yes		yes	
3/8" = 731# / bolt		2.29 use 3		yes		yes	
1/2" = 1,004# / bolt		1.67 use 2		yes		yes	

* These values are good for post base & beam bolts

Knee Brace	Min. Length	Max. Length
2" x 2" x 0.044"	1'-4"	2'-0"
2" x 2" x 0.055"	1'-4"	2'-0"
2" x 2" x 0.093"	1'-4"	2'-0"
2" x 3" x 0.050"	1'-6"	2'-6"
2" x 4" x 0.050"	1'-6"	3'-0"

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PAN ROOF ANCHORING DETAILS

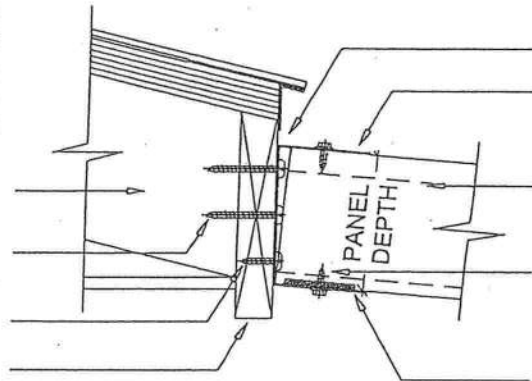
PRIMARY CONNECTION:
(3) #8 SCREWS PER PAN WITH
1" MINIMUM EMBEDMENT INTO
FASCIA THROUGH PAN BOXED
END

EXISTING TRUSS OR RAFTER

#10 x 1-1/2" S.M.S. (2) PER
RAFTER OR TRUSS TAIL

#10 x 3/4" S.M.S. @ 12" O.C.

EXISTING FASCIA



SEALANT

HEADER (SEE NOTE BELOW)

ROOF PANEL

#8 x 1/2" S.M.S. (3) PER PAN
(BOTTOM) AND (1) @ RISER
(TOP) CAULK ALL EXPOSED
SCREW HEADS

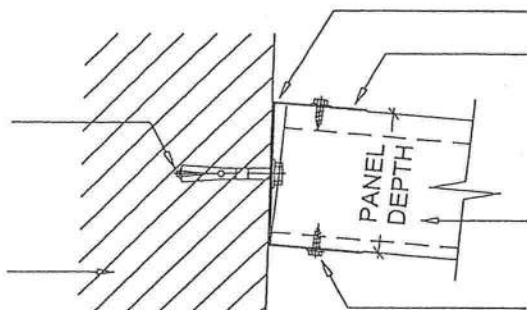
1-1/2" x 1/8" x 11-1/2" PLATE OF
6063 T-5, 3003 H-14 OR 5052
H-32

ROOF PANEL TO FASCIA DETAIL

SCALE: 3" = 1'-0"

FOR MASONRY USE
1/4" x 1-1/4" MASONRY
ANCHOR OR EQUAL @ 24" O.C.
FOR WOOD USE #10 x 1-1/2"
S.M.S. OR WOOD SCREWS @
12" O.C.

EXISTING HOST STRUCTURE:
WOOD FRAME, MASONRY OR
OTHER CONSTRUCTION



SEALANT

HEADER (SEE NOTE BELOW)

ROOF PANEL

#8 x 1/2" S.M.S. (3) PER PAN
(BOTTOM) AND (1) @ RISER
(TOP) CAULK ALL EXPOSED
SCREW HEADS

ROOF PANEL TO WALL DETAIL

SCALE: 3" = 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.

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

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SOLID ROOF PANEL PRODUCTS

SECTION 7

Table 7.3.5 Metals USA Building Products L.P. Roof Panels Allowable Spans and Design / Applied Loads* (#/SF)
0.024" PRO-FAB Composite Panels w/ EZ-LOCK for Various Loads
 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 Zone (MPH)	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	
100	span/load* 18'-10" 13	span/load* 21'-1" 13	span/load* 20'-5" 13	span/load* 16'-4" 17	span/load* 18'-3" 17	span/load* 17'-8" 17	span/load* 12'-11" 27	span/load* 15'-8" 23	span/load* 15'-2" 23	4'-0" 45
110	span/load* 18'-4" 14	span/load* 20'-6" 14	span/load* 19'-10" 14	span/load* 15'-11" 18	span/load* 17'-9" 18	span/load* 17'-2" 18	span/load* 11'-11" 32	span/load* 13'-4" 32	span/load* 12'-10" 32	4'-0" 55
120	span/load* 16'-7" 17	span/load* 18'-7" 17	span/load* 17'-11" 17	span/load* 12'-11" 27	span/load* 16'-1" 22	span/load* 15'-6" 22	span/load* 10'-9" 39	span/load* 12'-1" 39	span/load* 11'-8" 39	4'-0" 65
123	span/load* 16'-2" 17	span/load* 18'-1" 17	span/load* 17'-5" 17	span/load* 12'-8" 28	span/load* 15'-8" 23	span/load* 15'-1" 23	span/load* 10'-7" 41	span/load* 11'-10" 41	span/load* 11'-5" 41	4'-0" 69
130	span/load* 15'-3" 20	span/load* 17'-1" 20	span/load* 16'-6" 20	span/load* 12'-1" 31	span/load* 13'-6" 31	span/load* 13'-1" 31	span/load* 9'-5" 51	span/load* 11'-3" 45	span/load* 10'-10" 45	3'-10" 77
140-1&2	span/load* 12'-11" 27	span/load* 15'-11" 23	span/load* 15'-4" 23	span/load* 11'-3" 36	span/load* 12'-7" 36	span/load* 12'-2" 36	span/load* 8'-9" 59	span/load* 10'-4" 53	span/load* 9'-6" 59	3'-7" 89
150	span/load* 12'-0" 32	span/load* 13'-5" 32	span/load* 12'-11" 32	span/load* 10'-5" 42	span/load* 11'-7" 42	span/load* 11'-3" 42	span/load* 8'-2" 68	span/load* 9'-2" 68	span/load* 8'-10" 68	3'-4" 102

Wind Zone (MPH)	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	
100	span/load* 20'-8" 13	span/load* 23'-2" 13	span/load* 22'-4" 13	span/load* 17'-11" 17	span/load* 20'-1" 17	span/load* 19'-4" 17	span/load* 15'-5" 23	span/load* 17'-3" 23	span/load* 16'-8" 23	4'-0" 45
110	span/load* 20'-1" 14	span/load* 22'-6" 14	span/load* 21'-9" 14	span/load* 17'-5" 18	span/load* 19'-6" 18	span/load* 18'-10" 18	span/load* 13'-1" 32	span/load* 15'-11" 27	span/load* 15'-4" 27	4'-0" 55
120	span/load* 18'-2" 17	span/load* 20'-4" 17	span/load* 19'-8" 17	span/load* 15'-9" 22	span/load* 17'-7" 22	span/load* 17'-0" 22	span/load* 11'-10" 39	span/load* 13'-3" 39	span/load* 12'-9" 39	4'-0" 65
123	span/load* 17'-9" 17	span/load* 19'-2" 17	span/load* 18'-10" 17	span/load* 15'-4" 23	span/load* 17'-2" 23	span/load* 16'-7" 23	span/load* 11'-7" 41	span/load* 12'-11" 41	span/load* 12'-6" 41	4'-0" 69
130	span/load* 16'-9" 20	span/load* 18'-9" 20	span/load* 18'-1" 20	span/load* 13'-3" 31	span/load* 16'-2" 31	span/load* 15'-8" 26	span/load* 11'-0" 45	span/load* 12'-4" 45	span/load* 11'-11" 45	4'-0" 77
140-1&2	span/load* 15'-7" 23	span/load* 17'-5" 23	span/load* 16'-10" 23	span/load* 12'-4" 36	span/load* 15'-1" 30	span/load* 13'-4" 36	span/load* 9'-7" 59	span/load* 11'-4" 53	span/load* 10'-11" 53	3'-11" 89
150	span/load* 13'-2" 32	span/load* 16'-4" 26	span/load* 15'-10" 26	span/load* 11'-5" 42	span/load* 12'-9" 42	span/load* 12'-4" 42	span/load* 8'-11" 68	span/load* 10'-8" 60	span/load* 10'-4" 60	3'-8" 102

Wind Zone (MPH)	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	
100	span/load* 23'-4" 13	span/load* 26'-1" 13	span/load* 25'-3" 13	span/load* 20'-3" 17	span/load* 22'-7" 17	span/load* 21'-10" 17	span/load* 17'-5" 23	span/load* 19'-5" 23	span/load* 18'-9" 23	4'-0" 45
110	span/load* 22'-8" 14	span/load* 25'-5" 14	span/load* 24'-8" 14	span/load* 19'-8" 18	span/load* 21'-11" 18	span/load* 21'-3" 18	span/load* 16'-1" 27	span/load* 17'-11" 27	span/load* 17'-4" 27	4'-0" 55
120	span/load* 20'-6" 17	span/load* 22'-11" 17	span/load* 22'-2" 17	span/load* 17'-9" 22	span/load* 19'-11" 22	span/load* 19'-3" 22	span/load* 13'-4" 39	span/load* 16'-6" 32	span/load* 15'-11" 32	4'-0" 65
123	span/load* 19'-11" 17	span/load* 22'-4" 17	span/load* 21'-7" 17	span/load* 17'-4" 23	span/load* 19'-4" 23	span/load* 18'-9" 23	span/load* 13'-1" 41	span/load* 16'-0" 34	span/load* 15'-6" 34	4'-0" 69
130	span/load* 18'-11" 20	span/load* 21'-1" 20	span/load* 20'-5" 20	span/load* 16'-4" 26	span/load* 18'-3" 26	span/load* 17'-8" 26	span/load* 12'-5" 45	span/load* 15'-2" 38	span/load* 13'-5" 45	4'-0" 77
140-1&2	span/load* 17'-7" 23	span/load* 19'-8" 23	span/load* 18'-11" 23	span/load* 15'-3" 30	span/load* 17'-0" 30	span/load* 16'-5" 30	span/load* 11'-5" 53	span/load* 12'-10" 53	span/load* 12'-5" 53	4'-0" 89
150	span/load* 16'-6" 26	span/load* 18'-6" 26	span/load* 17'-10" 26	span/load* 12'-10" 42	span/load* 15'-11" 34	span/load* 15'-5" 34	span/load* 10'-9" 60	span/load* 12'-0" 60	span/load* 11'-8" 60	4'-0" 102

Wind Zone (MPH)	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	
100	span/load* 25'-9" 13	span/load* 28'-9" 13	span/load* 27'-10" 13	span/load* 22'-3" 17	span/load* 24'-11" 17	span/load* 24'-1" 17	span/load* 19'-2" 23	span/load* 21'-5" 23	span/load* 20'-8" 23	4'-0" 45
110	span/load* 25'-0" 14	span/load* 27'-11" 14	span/load* 27'-0" 14	span/load* 21'-8" 18	span/load* 24'-3" 18	span/load* 23'-5" 18	span/load* 17'-8" 27	span/load* 19'-9" 27	span/load* 19'-1" 27	4'-0" 55
120	span/load* 22'-7" 17	span/load* 25'-4" 17	span/load* 24'-5" 17	span/load* 19'-7" 22	span/load* 21'-11" 22	span/load* 21'-2" 22	span/load* 16'-3" 32	span/load* 18'-2" 32	span/load* 17'-7" 32	4'-0" 65
123	span/load* 22'-0" 17	span/load* 24'-8" 17	span/load* 23'-10" 17	span/load* 19'-1" 23	span/load* 21'-4" 23	span/load* 20'-7" 23	span/load* 15'-10" 34	span/load* 17'-8" 34	span/load* 17'-1" 34	4'-0" 69
130	span/load* 20'-10" 20	span/load* 23'-3" 20	span/load* 22'-6" 20	span/load* 18'-0" 26	span/load* 20'-2" 26	span/load* 19'-6" 26	span/load* 13'-8" 45	span/load* 16'-8" 38	span/load* 16'-1" 38	4'-0" 77
140-1&2	span/load* 19'-4" 23	span/load* 21'-8" 23	span/load* 20'-11" 23	span/load* 16'-9" 30	span/load* 18'-9" 30	span/load* 18'-2" 30	span/load* 12'-7" 53	span/load* 15'-6" 44	span/load* 13'-8" 53	4'-0" 89
150	span/load* 18'-2" 26	span/load* 20'-4" 26	span/load* 19'-8" 26	span/load* 15'-9" 34	span/load* 17'-7" 34	span/load* 17'-0" 34	span/load* 11'-10" 60	span/load* 13'-3" 60	span/load* 12'-10" 60	4'-0" 102

Note:

1. Total roof panel width = room width + wall width + overhang. *Design or applied load based on the effective area of the panel.



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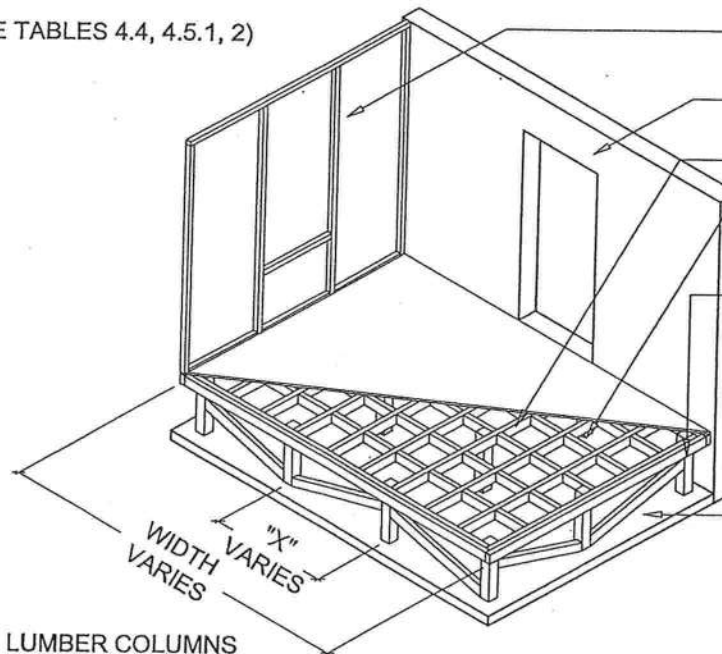
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"X" (SEE TABLES 4.4, 4.5.1, 2)



(OPTIONAL) WOOD FRAME WALL

HOST STRUCTURE
SEE WALL SECTIONS

CENTER LEDGER PIER

BRIDGING @ 48" O. C.

2 x 6 JOIST HANGER EACH END

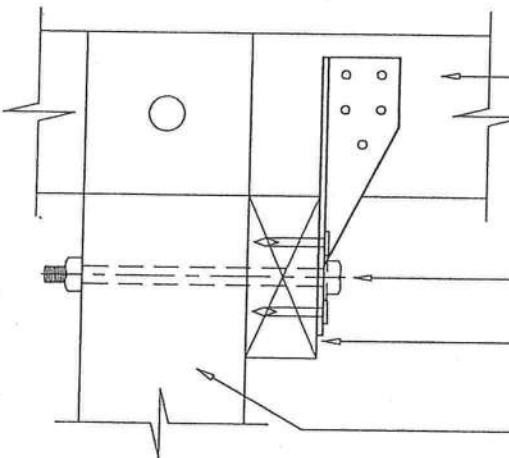
BRACING REQUIRED FOR
HEIGHT OVER 4'-0". USE 2 x 4
#2 P.T.P. NAILED OR BOLTED
AND BRACING FASTENINGS.
WOOD POST 4# 8d COMMON
TOE NAILED OR 3# 10d
COMMON FOR LAPPED
BRACING OR 1-3/8" x (LUMBER
THICKNESS + 1/2"). ALUMINUM
POST LAPPED BRACING ONLY
USE 1-3/8" x (POST THICKNESS
+ 1/2") (MAX. HGT. 8'-0")

FOR LUMBER COLUMNS
ANCHOR POST TO 3-1/2"
CONCRETE SLAB W/
GALVANIZED BUCKETS

TYPICAL WOOD DECK

SCALE: 3/16" = 1'-0"

1. ALL WALL FRAMING 16" O.C.
(EXCEPTION: 24" O.C. FOR
WOOD STORAGE ROOM)
2. PIER POST CAN BE BOLTED
TO SLAB OR CONTINUOUS
FOOTER OR HAVE ISOLATED
CONCRETE FOOTER EACH
PIER (SEE DETAIL)
3. CENTER STRINGER MAY BE
REQUIRED (SEE TABLE 4.5.1
AND 4.5.2)
4. HURRICANE ANCHOR EACH
JOIST TO CENTER STRINGER
W/ SIMPSON H5
5. OPEN DECKS OVER 30" IN
HEIGHT ABOVE GRADE HAVE
A GUARD RAIL SYSTEM



FLOOR JOIST (SEE TABLE 4.4)

3/8" x 5" BOLT

GIRDER OR LEDGER SUPPORT
(SEE TABLE 4.5.1 AND 4.5.2)

4" x 4" PRESSURE TREATED
PINE OR 3" x 3" x 0.090"
ALUMINUM

LEDGER SUPPORT DETAIL

SCALE: 3" = 1'-0"

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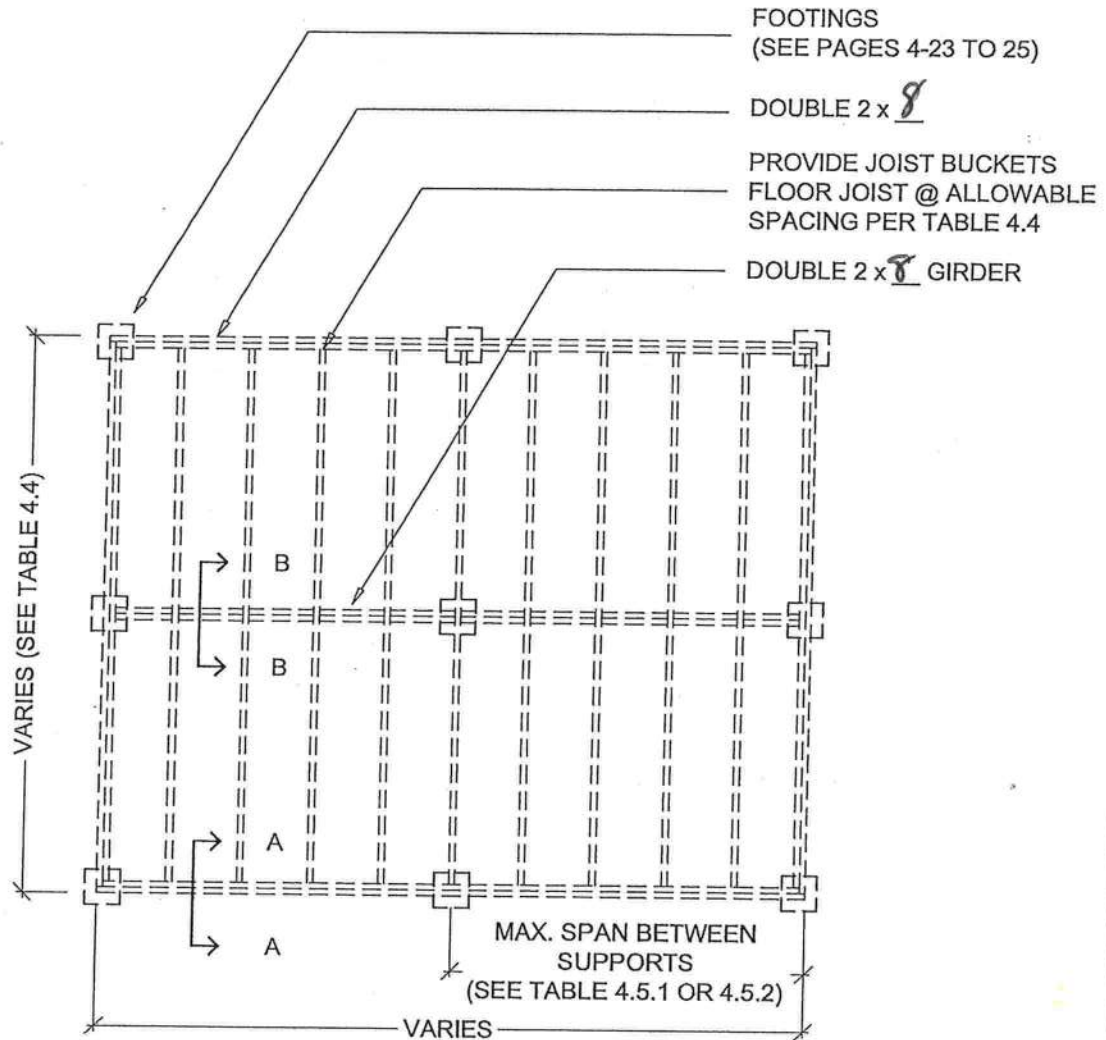
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SECTION 4

STRUCTURES WITH WOOD FRAME WALLS & ALUMINUM ROOF SYSTEMS



DECKING MAY BE 5/8" OR 3/4" PLYWOOD OR 5/4" x 6" OR 2 x 6 PLANKING (SEE SECTIONS NEXT PAGE)

TYPICAL WOOD DECK FRAMING PLAN

SCALE: 3/16" = 1'-0"

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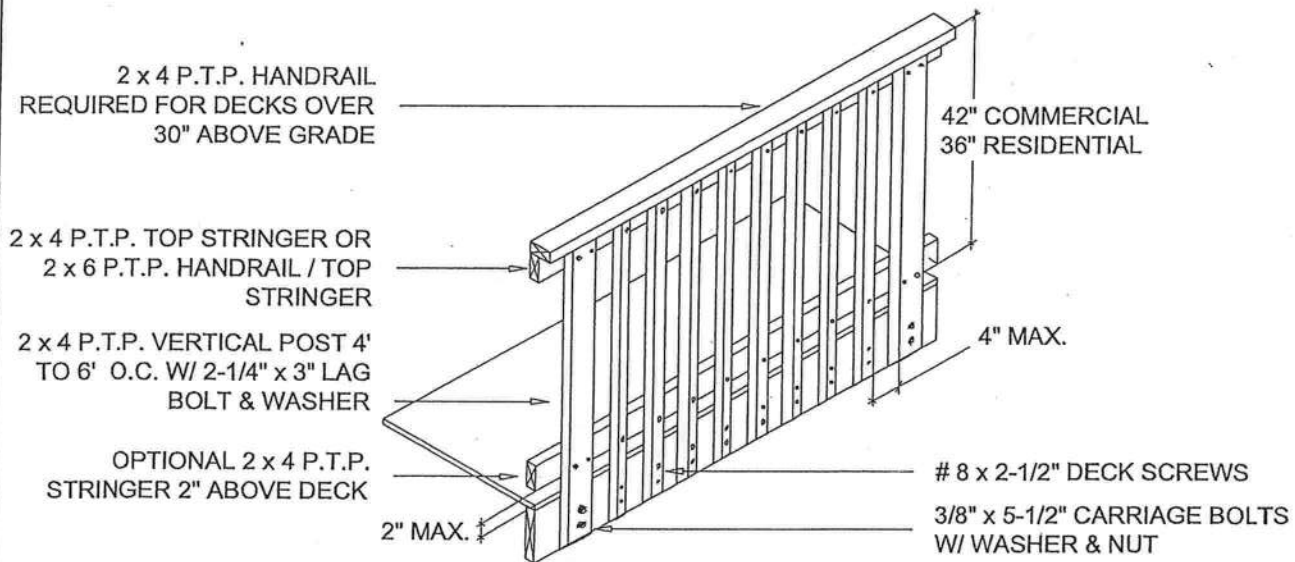
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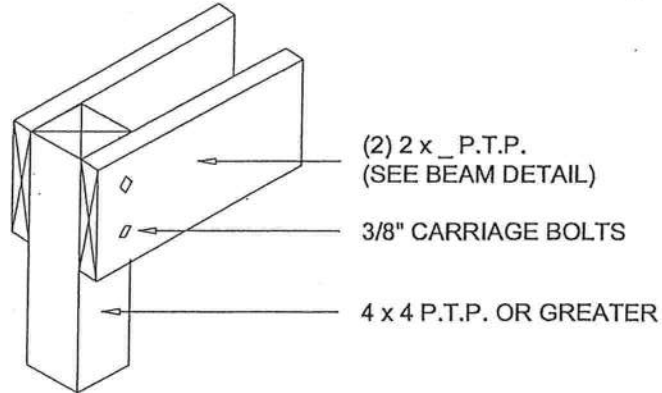
SECTION 4

STRUCTURES WITH WOOD FRAME WALLS & ALUMINUM ROOF SYSTEMS



RESIDENTIAL HANDRAIL DETAIL

SCALE: 3/8" = 1'-0"



ALTERNATE DECK POST TO BEAM CONNECTION DETAIL

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

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SECTION 4

STRUCTURES WITH WOOD FRAME WALLS & ALUMINUM ROOF SYSTEMS

THE SUM OF (2) RISERS AND
(1) TREAD, EXCLUSIVE OF
NOSING, SHALL BE 24" MIN.
AND 25" MAX. HEIGHT OF
RISERS SHALL BE 7-3/4" MAX.,
AND TREADS SHALL BE 9" MIN.

MIN. FOOTING
(SEE PAGE 4-25 OR
LOCAL CODE)

1 x 1 WOODEN PICKETS @
4" O.C. MAX. ATTACHED W/ (2)
#6d COMMON TOE NAILED TO
2 x 4 RAILING

REQUIRED 2 x 6 P.T.P. RAILING
ATTACHED W/ 16d COMMON
NAILS (2) @ EACH
CONNECTION POINT

4 x 4 PRESSURE TREATED
PINE POST (TYPICAL)

42" COMMERCIAL
36" RESIDENTIAL
VARIES
8'-0" MAX.

4" MAX.
9" MIN.

7-3/4" MAX.

MIN. (2) 3/8" x 5-1/2" CARRIAGE
BOLTS FOR SINGLE STRINGER
MIN. (2) 3/8" x 7" CARRIAGE
BOLTS FOR DOUBLE
STRINGER

SIMPSON POST BUCKET

8" x 12" x (WIDTH OF STAIR + 8"
(4" EACH SIDE)) FOOTING 2500
PSI CONCRETE W/
(2) #3Ø BARS CONTINUOUS

2" x 12" P.T.P. STAIR
STRINGERS ATTACHED W/ (2)
#16d COMMON NAILS PER
STRINGER

(2) 2 x 10 P.T.P. ATTACHED TO
STRINGERS AND BETWEEN (2)
4 x 4 POSTS ADJACENT TO
STAIRS

WOOD STAIR SECTION DETAIL

SCALE: 3/8" = 1'-0"

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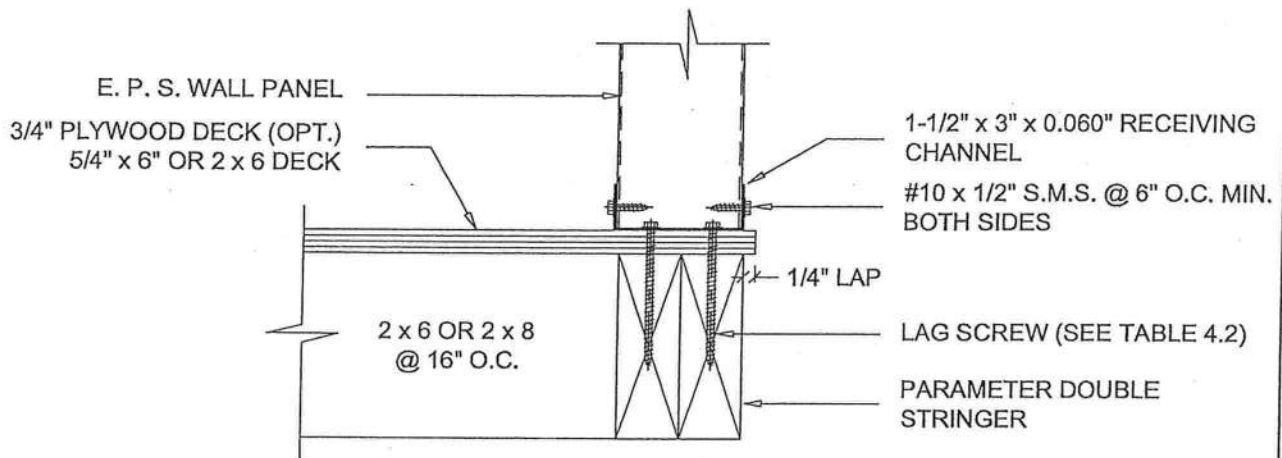
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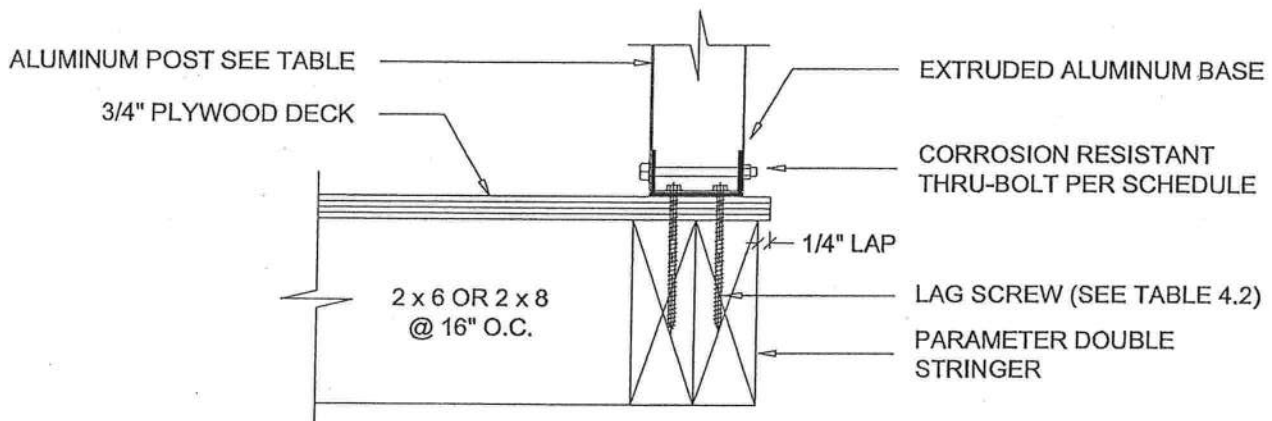
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**COMPOSITE PANEL WALL TO WOOD DECK**

SCALE: 3" = 1'-0"

**TUBE COLUMN BASE SCHEMATIC (INTERNAL BASE)**

SCALE: 3" = 1'-0"

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Table 4.5.1 Allowable Floor or Deck Girder Spans
Girders Constructed of One (1) #2 Grade Non-dense Pressure Treated Pine
Supporting Floor Dead Loads and Live Loads

Load Width Perpendicular to Girder	Applied Load 55 # / sq. ft.					
	1 & 2 Span			3 Span		
	2" x 6"	2" x 8"	2" x 10"	2" x 12"	2" x 6"	2" x 10"
4'-0"						
6'-0"	5'-4"	7'-10"	8'-2"	9'-7"	5'-11"	8'-9"
8'-0"	4'-4"	6'-5"	6'-8"	7'-10"	7'-2"	10'-8"
	3'-9"	5'-7"	5'-10"	6'-10"	4'-3"	8'-9"
Girder Splice Points*	NONE			NONE		

- Notes:**
1. For posts with girders on both sides divide the load width by 2 and enter table with that value.
 2. Applied load includes a 10 # / sq. ft. dead load for flooring and joist. Girder weight is also considered in limiting girder spans.
 3. Spans between supports shall be equal.
 4. Overhangs of girders shall be limited to 2'-8" joist.
 5. Joists shall rest on top of girders and not be attached to the sides of girders.
 6. The above tables have been restricted to reflect the maximum length of p.t.p. available which is 20'-0".
 7. Spans may be interpolated.

Table 4.5.2 Allowable Floor or Front / Forth Wall Deck Girder Spans
Girders Constructed of Two (2) #2 Grade Non-dense Pressure Treated Pine With 1/2" Plywood Spacer
Supporting Floor Dead Loads and Live Loads

Load Width Perpendicular to Girders	Applied Load 67 # / sq. ft.					
	1 & 2 Span			3 Span		
	(2) 2" x 6"	(2) 2" x 8"	(2) 2" x 10"	(2) 2" x 12"	(2) 2" x 6"	(2) 2" x 10"
6'-0"	6'-7"	8'-8"	10'-0"	10'-0"	6'-8"	6'-8"
8'-0"	5'-11"	7'-10"	9'-3"	10'-0"	6'-8"	6'-8"
10'-0"	5'-3"	7'-4"	8'-1"	9'-5"	6'-8"	6'-8"
12'-0"	4'-8"	6'-10"	7'-2"	8'-5"	6'-8"	6'-8"
14'-0"	4'-3"	6'-3"	6'-7"	7'-8"	6'-8"	6'-8"
Girder Splice Points*	NONE			A,B		

- Notes:**
1. Applied load includes a 10 # / sq. ft. dead load for flooring and joist. Girder weight is also considered in limiting girder spans.
 2. Splicing of girders shall be @ 1/3 span points only and all splices shall be staggered.
 3. Spans between supports shall be equal.
 4. Overhangs of girders shall be limited to 2'-6"
 5. The above tables have been restricted to reflect the maximum length of p.t.p. available which is 20'-0". Therefore, single girder spans are restricted to 10'-0", triple to 6'-8", and four span to 5'-0".

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FOOTING DETAILS

TYPICAL ALUMINUM POST
ALTERNATE POST: 4 x 4 P.T.

TO WOOD DECK OR BEAM FOR
ALUMINUM ROOF

REPLACED SOIL

1, 2, OR 3 READY MIX

80 LBS. 2500 PSI CONCRETE

1/4" x 2-1/4" EXPANSION BOLT
(2) EACH PER BASE

(SEE PORCH POST
CONNECTION DETAILS)

VIRGIN SOIL

4" x 16" x 16" CONCRETE PAD

Dimension Table

"h"	"W"	N	"x"
32"	12"	2	10'-0"
40"	12"	2	8'-0"
48"	18"	3	6'-0"
56"	18"	3	4'-0"
64"	24"	3	2'-8"
72"	30"	4	1'-4"

* ALL MASONRY KNEE WALLS
SHALL HAVE A FILLED CELL
AND VERTICAL BAR AT ALL
CORNERS

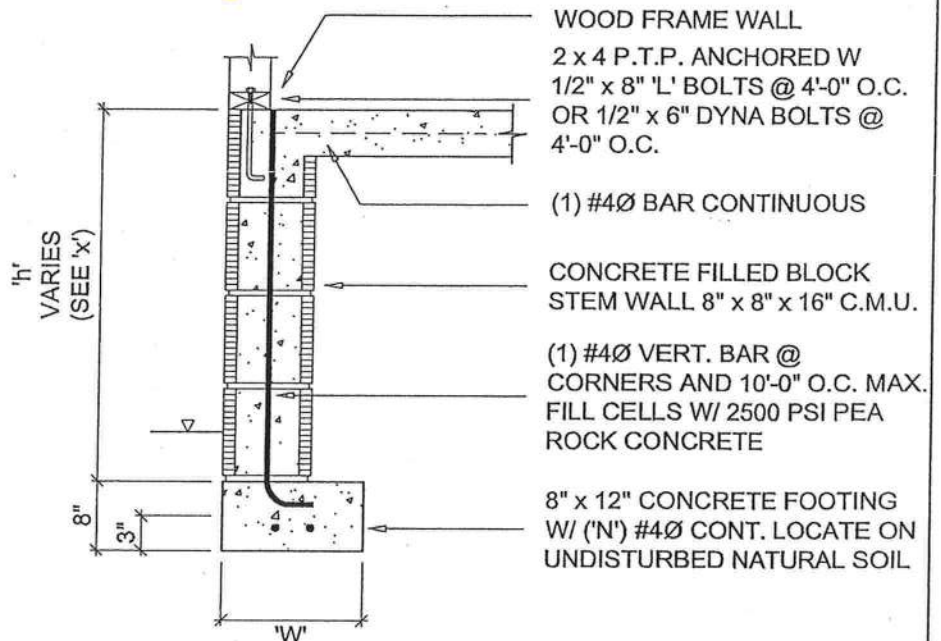
3-1/2" CONCRETE SLAB W/
6 x 6 - 10 x 10 WELDED WIRE
MESH (SEE NOTES
CONCERNING FIBER MESH)
CONCRETE VISQUEEN VAPOR
BARRIER UNDER SLABS
HAVING STRUCTURES ABOVE
COMPACTED CLEAN FILL
OVER (SCARIFIED) NATURAL
SOIL 90% DENSITY

Notes:

1. Crack control fiber mesh: Fibermesh ® Mesh, InForce™ e3™ (Formerly Fibermesh MD) per manufacturer's specification may be used in lieu of wire mesh.

ISOLATED FOOTING

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



RAISED PATIO FOOTING KNEE WALL FOOTING FOR SCREENED ENCLOSURES

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

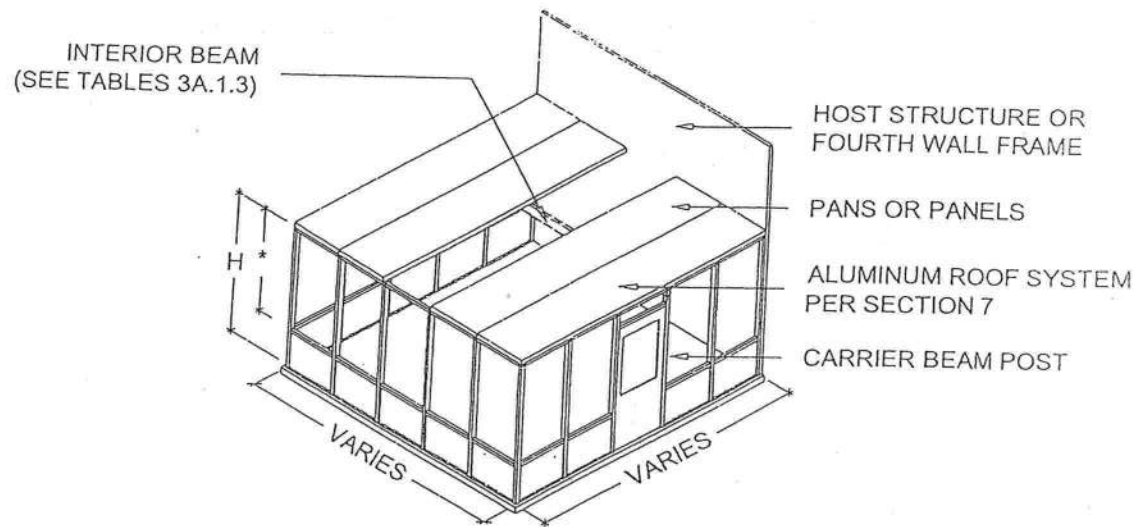
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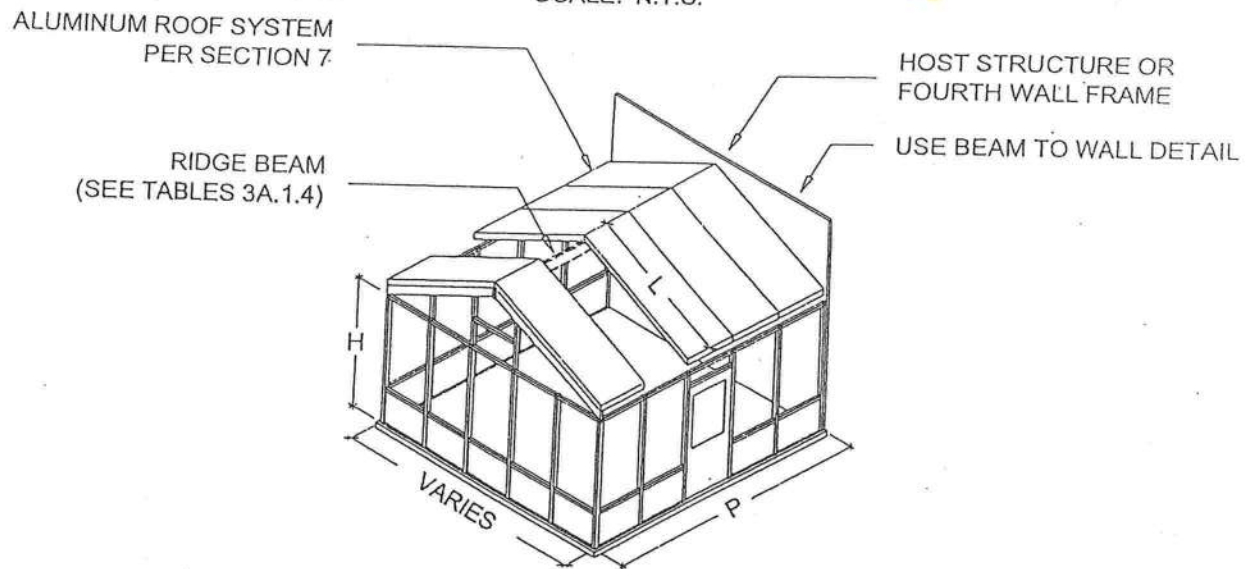
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TYPICAL SLOPED SOLID ROOF ENCLOSURE

SCALE: N.T.S.



TYPICAL GABLE SOLID ROOF ENCLOSURE

SCALE: N.T.S.

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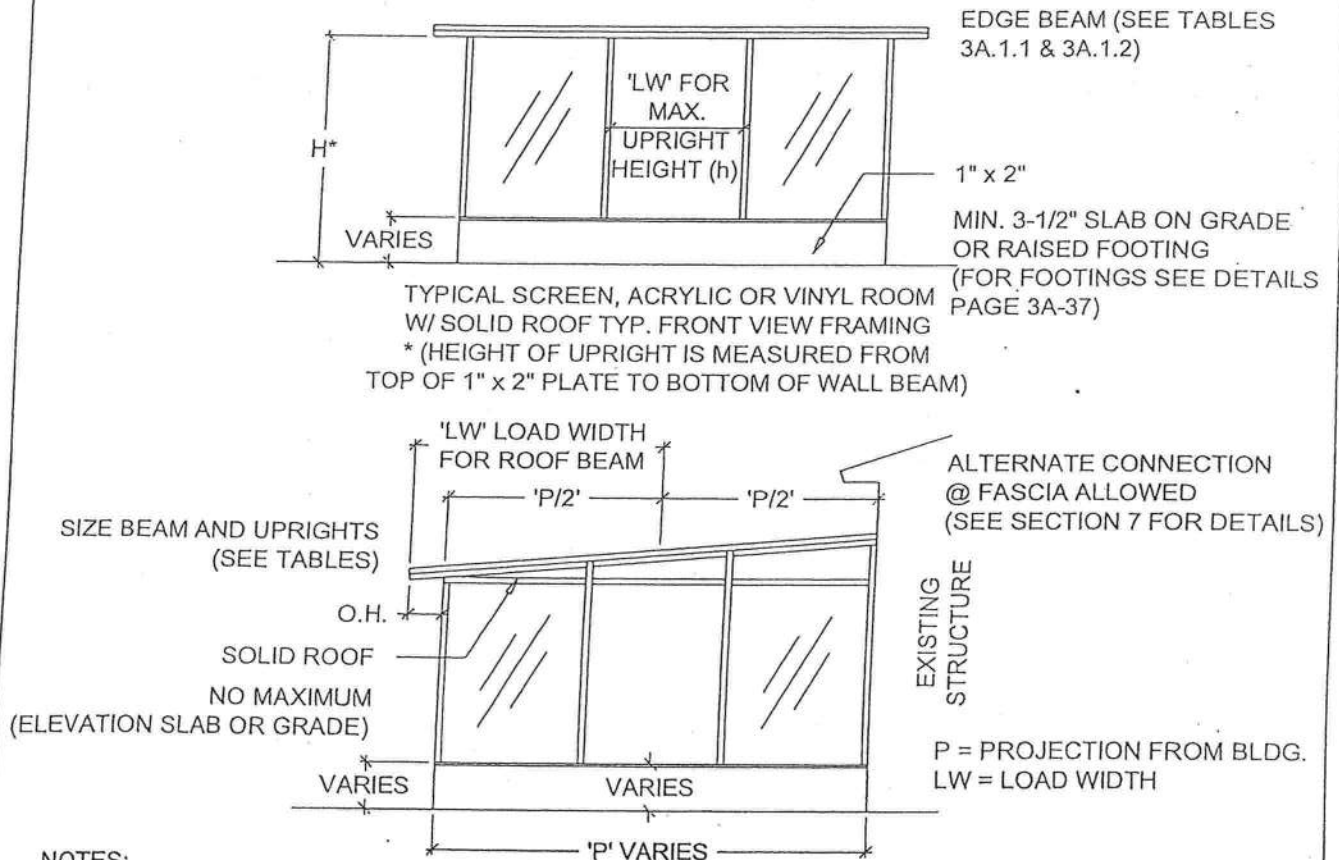
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SECTION 3A

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 123 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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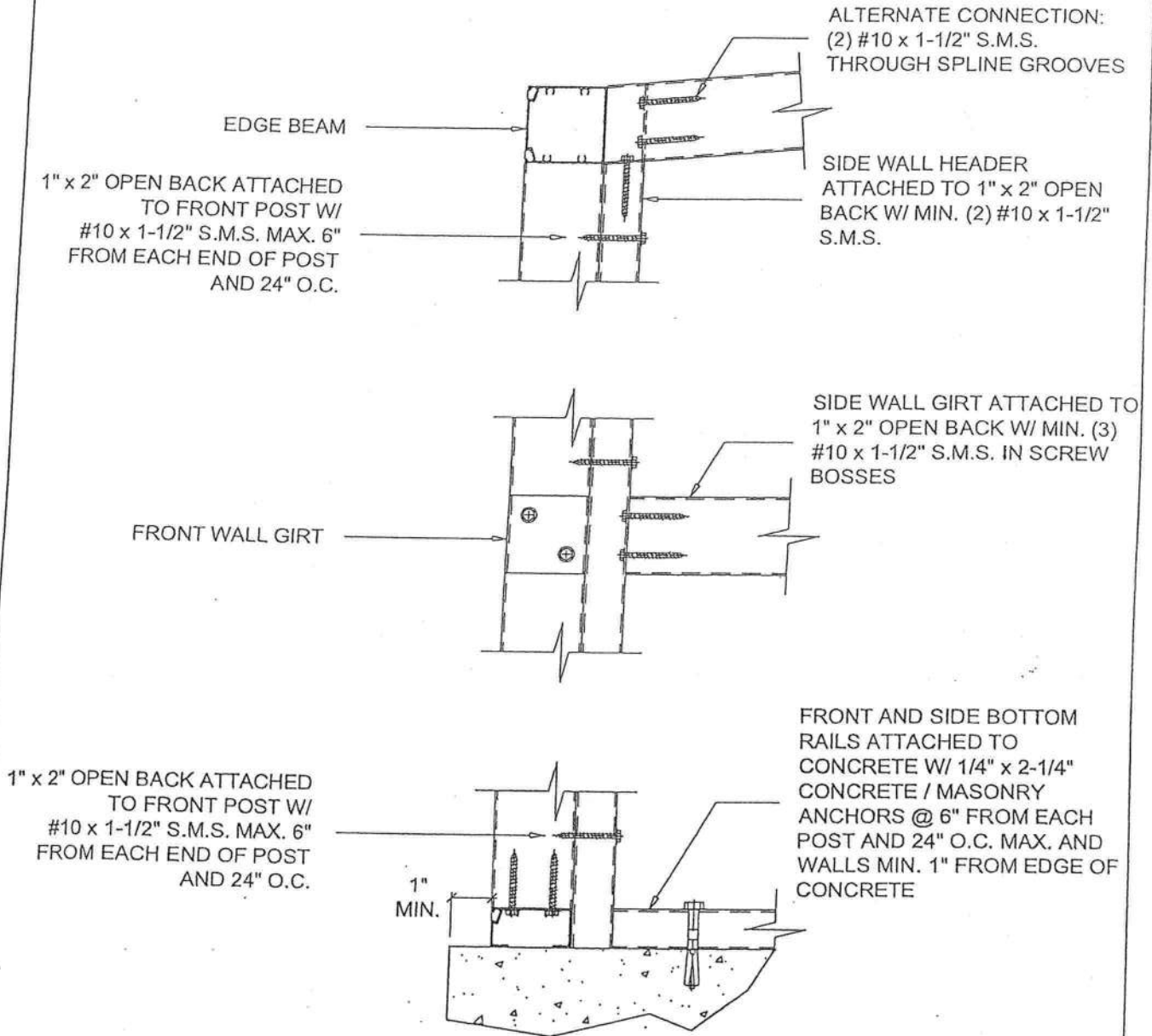
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SECTION 3A

SCREEN, ACRYLIC & VINYL ROOMS



TYPICAL & ALTERNATE CORNER DETAIL

SCALE: 3" = 1'-0"

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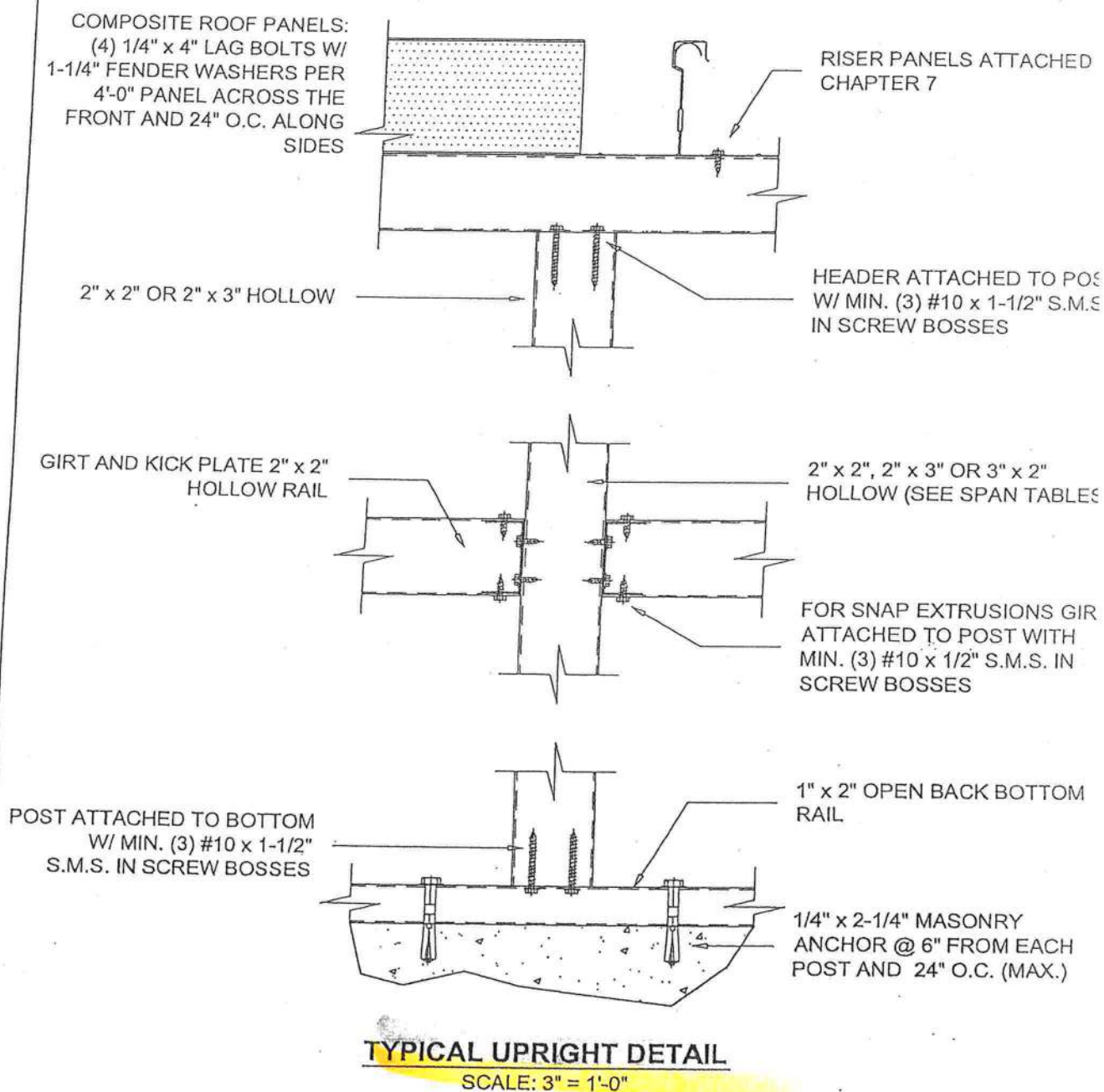
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SCREEN, ACRYLIC & VINYL ROOMS

SECTION 3A

Table 3A.1.1-110 Allowable Edge Beam Spans - Hollow Extrusions
for Screen, Acrylic or Vinyl Rooms

For 3 second wind gust at 110 MPH velocity; using design load of 11.0 #/SF (47.1 #/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 'b' or deflection 'd')				Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')			
	1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	5'-4" d	6'-7" d	6'-9" d	0'-11" d	5	5'-8" d	6'-11" d	7'-1" d	1'-0" d
6	5'-0" d	6'-2" d	6'-4" d	0'-11" d	6	5'-4" d	6'-7" d	6'-8" d	0'-11" d
7	4'-9" d	5'-11" d	5'-11" b	0'-10" d	7	5'-1" d	6'-3" d	6'-4" d	0'-11" d
8	4'-7" d	5'-8" d	5'-7" b	0'-10" d	8	4'-10" d	5'-11" d	6'-1" b	0'-11" d
9	4'-5" d	5'-5" d	5'-3" b	0'-10" d	9	4'-8" d	5'-9" d	5'-9" b	0'-10" d
10	4'-3" d	5'-2" b	4'-11" b	0'-9" d	10	4'-6" d	5'-6" d	5'-5" b	0'-10" d
11	4'-1" d	4'-11" b	4'-9" b	0'-9" 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'-9" d	12	4'-3" d	5'-2" b	4'-11" b	0'-9" d
3" x 2" x 0.045"					3" x 2" x 0.070"				
Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')				Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')			
	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'-1" d	5	6'-9" d	8'-5" d	8'-7" d	1'-3" d
6	5'-8" d	7'-0" d	7'-2" d	1'-0" d	6	6'-5" d	7'-11" d	8'-0" d	1'-2" d
7	5'-5" d	6'-8" d	6'-10" d	0'-11" d	7	6'-1" d	7'-6" d	7'-8" d	1'-1" d
8	5'-2" d	6'-4" d	6'-5" b	0'-11" d	8	5'-10" d	7'-2" d	7'-4" d	1'-1" d
9	4'-11" d	6'-2" d	6'-1" b	0'-11" d	9	5'-7" d	6'-11" d	7'-0" d	1'-0" d
10	4'-9" d	5'-11" d	5'-9" b	0'-10" d	10	5'-5" d	6'-8" d	6'-9" b	0'-11" d
11	4'-8" d	5'-8" b	5'-6" b	0'-10" d	11	5'-3" d	6'-5" d	6'-5" b	0'-11" d
12	4'-6" d	5'-5" b	5'-3" b	0'-10" d	12	5'-1" d	6'-3" d	6'-2" b	0'-11" d
2" x 3" x 0.045"					2" x 4" x 0.050"				
Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')				Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')			
	1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	7'-6" d	9'-3" d	9'-5" d	1'-4" d	5	9'-8" d	11'-11" d	12'-2" b	1'-9" d
6	7'-0" d	8'-8" d	8'-8" b	1'-3" d	6	9'-1" d	11'-3" d	11'-1" b	1'-8" d
7	6'-8" d	8'-3" d	8'-1" b	1'-3" d	7	8'-8" d	10'-8" b	10'-3" b	1'-7" d
8	6'-5" d	7'-9" b	7'-6" b	1'-2" d	8	8'-3" d	9'-11" b	9'-7" b	1'-6" d
9	6'-2" d	7'-4" b	7'-1" b	1'-1" d	9	7'-11" d	9'-5" b	9'-1" b	1'-5" d
10	5'-11" d	6'-11" b	6'-9" b	1'-1" d	10	7'-8" d	8'-11" b	8'-7" b	1'-5" d
11	5'-9" d	6'-8" b	6'-5" b	1'-1" d	11	7'-5" d	8'-6" b	8'-2" b	1'-4" d
12	5'-7" d	6'-4" b	6'-2" b	1'-0" d	12	7'-3" d	8'-1" b	7'-10" b	1'-4" 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.

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SCREEN, ACRYLIC & VINYL ROOMS

SECTION 3A

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 13.0 #/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	6'-5" b	5'-11" b	5'-7" b	5'-3" b	4'-11" b	4'-9" b	4'-6" b	4'-4" b	4'-2" b	4'-1" b
2" x 2" x 0.055" Hollow	7'-4" b	6'-9" b	6'-4" b	5'-11" b	5'-8" b	5'-5" b	5'-2" b	4'-11" b	4'-10" b	4'-8" b
3" x 2" x 0.045" Hollow	7'-9" b	7'-2" b	6'-8" b	6'-4" b	5'-11" b	5'-9" b	5'-6" b	5'-3" b	5'-1" b	4'-11" b
3" x 2" x 0.070" Hollow	11'-9" b	10'-10" b	10'-2" b	9'-7" b	9'-1" b	8'-8" b	8'-3" b	7'-11" b	7'-8" b	7'-5" b
2" x 3" x 0.045" Hollow	8'-4" b	7'-8" b	7'-2" b	6'-9" b	6'-5" b	6'-2" b	5'-10" b	5'-8" b	5'-5" b	5'-3" b
2" x 4" x 0.050" Hollow	10'-5" b	9'-7" b	8'-11" b	8'-6" b	8'-1" b	7'-8" b	7'-4" b	7'-1" b	6'-10" b	6'-7" b
2" x 5" x 0.062" Hollow	14'-7" b	13'-6" b	12'-8" b	11'-11" b	11'-4" b	10'-9" b	10'-4" b	9'-11" b	9'-7" b	9'-3" b
2" x 4" x 0.046" S.M.B.	13'-8" b	12'-8" b	11'-10" b	11'-2" b	10'-7" b	10'-1" b	9'-8" b	9'-3" b	8'-11" b	8'-8" b
2" x 5" x 0.050" S.M.B.	17'-4" b	16'-0" b	14'-11" b	14'-2" b	13'-5" b	12'-9" b	12'-3" b	11'-9" b	11'-4" b	10'-11" b
2" x 6" x 0.050" S.M.B.	19'-4" b	17'-11" b	16'-9" b	15'-10" b	15'-0" b	14'-4" b	13'-8" b	13'-2" b	12'-8" b	12'-3" b
2" x 2" x 0.044" Snap	7'-7" b	7'-1" b	6'-7" b	6'-3" b	5'-11" b	5'-7" b	5'-5" b	5'-2" b	4'-11" b	4'-10" b
2" x 3" x 0.045" Snap	9'-3" b	8'-7" b	7'-11" b	7'-7" b	7'-2" b	6'-10" b	6'-6" b	6'-3" b	6'-1" b	5'-10" b
2" x 4" x 0.045" Snap	10'-10" b	10'-1" b	9'-5" b	8'-10" b	8'-5" b	8'-0" b	7'-8" b	7'-5" b	7'-1" b	6'-10" b
3" x 3" x 0.045" Fluted	7'-4" b	6'-10" b	6'-4" b	6'-0" b	5'-8" b	5'-5" b	5'-2" b	4'-11" b	4'-10" b	4'-8" b
3" x 3" x 0.060" Square	9'-0" b	8'-4" b	7'-10" b	7'-5" b	6'-11" b	6'-8" b	6'-5" b	6'-2" b	5'-11" b	5'-9" b
3" x 3" x 0.093" Square	13'-2" 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
3" x 3" x 0.125" Square	18'-10" b	17'-6" b	16'-4" b	15'-5" b	14'-7" b	13'-11" b	13'-4" b	12'-10" b	12'-4" b	11'-11" b
4" x 4" x 0.125" Square	20'-5" b	18'-11" b	17'-8" b	16'-8" b	15'-10" b	15'-1" b	14'-5" b	13'-10" b	13'-4" b	12'-11" b

For 3 second wind gust at 120 MPH velocity; using design load of 15.0 #/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	5'-11" b	5'-6" b	5'-2" b	4'-10" b	4'-7" b	4'-5" b	4'-3" b	4'-1" b	3'-11" b	3'-9" b
2" x 2" x 0.055" Hollow	6'-10" b	6'-4" b	5'-11" b	5'-7" b	5'-3" b	5'-0" b	4'-10" b	4'-8" b	4'-6" b	4'-4" b
3" x 2" x 0.045" Hollow	7'-2" b	6'-8" b	6'-3" b	5'-11" b	5'-7" b	5'-4" b	5'-1" b	4'-11" b	4'-9" b	4'-7" b
3" x 2" x 0.070" Hollow	10'-11" b	10'-1" b	9'-5" b	8'-11" b	8'-5" b	8'-1" b	7'-9" b	7'-5" b	7'-2" b	6'-11" b
2" x 3" x 0.045" Hollow	7'-9" b	7'-2" b	6'-8" b	6'-4" b	5'-11" b	5'-8" b	5'-6" b	5'-3" b	5'-1" b	4'-11" b
2" x 4" x 0.050" Hollow	9'-8" 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
2" x 4" x 0.046" S.M.B.	12'-8" b	11'-9" b	11'-0" b	10'-4" b	9'-10" b	9'-5" b	8'-11" b	8'-8" b	8'-4" b	8'-0" b
2" x 5" x 0.062" Hollow	13'-7" b	12'-7" b	11'-9" b	11'-1" b	10'-6" b	10'-0" b	9'-7" b	9'-3" b	8'-11" b	8'-7" b
2" x 5" x 0.050" S.M.B.	16'-1" b	14'-11" b	13'-11" b	13'-2" b	12'-6" b	11'-11" b	11'-5" b	10'-11" b	10'-7" b	10'-2" b
2" x 6" x 0.050" S.M.B.	18'-0" b	16'-8" b	15'-7" b	14'-9" b	13'-11" b	13'-4" b	12'-9" b	12'-3" b	11'-10" b	11'-5" b
2" x 2" x 0.044" Snap	7'-1" b	6'-7" b	6'-2" b	5'-9" b	5'-6" b	5'-3" b	5'-0" b	4'-10" b	4'-8" b	4'-6" b
2" x 3" x 0.045" Snap	8'-7" b	7'-11" b	7'-5" b	7'-0" b	6'-8" b	6'-4" b	6'-1" b	5'-10" b	5'-8" b	5'-5" b
2" x 4" x 0.045" Snap	10'-1" b	9'-4" b	8'-9" b	8'-3" b	7'-10" b	7'-6" b	7'-2" b	6'-10" b	6'-7" b	6'-5" b
3" x 3" x 0.045" Fluted	6'-10" b	6'-4" b	5'-11" b	5'-7" b	5'-4" b	5'-1" b	4'-10" b	4'-8" b	4'-6" b	4'-4" b
3" x 3" x 0.060" Square	8'-5" b	7'-9" b	7'-3" b	6'-10" b	6'-6" b	6'-3" b	5'-11" b	5'-9" b	5'-6" b	5'-4" b
3" x 3" x 0.093" Square	12'-3" b	11'-4" b	10'-8" b	10'-0" b	9'-6" b	9'-1" b	8'-8" b	8'-4" b	8'-0" b	7'-9" b
3" x 3" x 0.125" Square	17'-7" 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
4" x 4" x 0.125" Square	19'-0" b	17'-7" b	16'-6" b	15'-6" b	14'-9" b	14'-0" b	13'-5" b	12'-11" b	12'-5" b	12'-0" b

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.

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PAN ROOF ANCHORING DETAILS

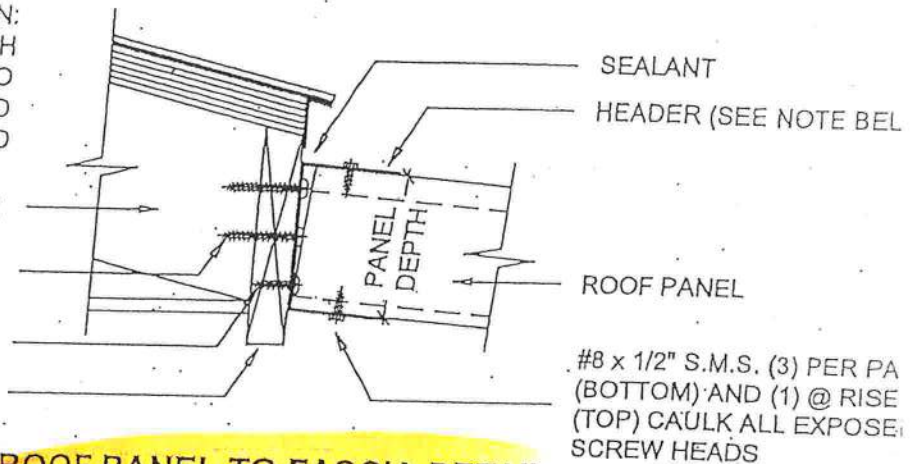
ALTERNATE CONNECTION:
(3) #8 SCREWS PER PAN WITH
1" MINIMUM EMBEDMENT INTO
FASCIA THROUGH PAN BOXED
END

EXISTING TRUSS OR RAFTER

#10 x 1-1/2" S.M.S. (2) PER
RAFTER OR TRUSS TAIL

#10 x 3/4" S.M.S. @ 12" O.C.

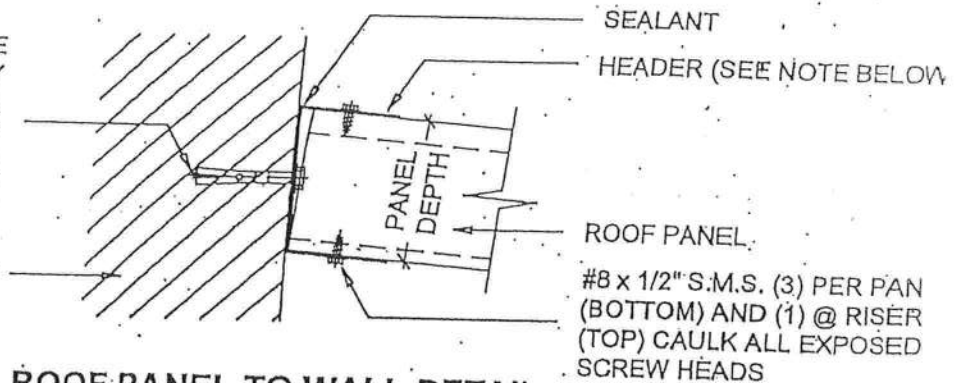
EXISTING FASCIA

ROOF PANEL TO FASCIA DETAIL

SCALE: 3" = 1'-0"

FOR MASONRY USE
1/4" x 1-1/4" MASONRY
ANCHOR OR EQUAL @ 24" O.C.
FOR WOOD USE #10 x 1-1/2"
S.M.S. OR WOOD SCREWS @
2" O.C.

EXISTING HOST STRUCTURE:
WOOD FRAME, MASONRY OR
OTHER CONSTRUCTION

ROOF PANEL TO WALL DETAIL

SCALE: 3" = 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 RIZER SCREW. #8 x 9/16" TEK SCREWS ARE ALLOWED AS A SUBSTITUTE FOR #8 x 1/2" S.M.S.

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SOLID ROOF PANEL PRODUCTS

SECTION 7

Table 7.3.5 Metals USA Building Products L.P. Roof Panels Allowable Spans and Design / Applied Loads* (#/SF)
0.024" PRO-FAB Composite Panels w/ EZ-LOCK for Various Loads
 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 Zone (MPH)	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	
100	span/load* 18'-10" 13	span/load* 21'-1" 13	span/load* 20'-5" 13	span/load* 16'-4" 17	span/load* 18'-3" 17	span/load* 17'-8" 17	span/load* 12'-11" 27	span/load* 15'-8" 23	span/load* 15'-2" 23	4'-0" 45
110	span/load* 18'-4" 14	span/load* 20'-6" 14	span/load* 19'-10" 14	span/load* 15'-11" 18	span/load* 17'-9" 18	span/load* 17'-2" 18	span/load* 11'-11" 32	span/load* 13'-4" 32	span/load* 12'-10" 32	4'-0" 55
120	span/load* 16'-7" 17	span/load* 18'-7" 17	span/load* 17'-11" 17	span/load* 12'-11" 22	span/load* 16'-1" 22	span/load* 15'-6" 22	span/load* 10'-9" 39	span/load* 12'-1" 39	span/load* 11'-8" 39	4'-0" 65
123	span/load* 16'-2" 17	span/load* 18'-1" 17	span/load* 17'-5" 17	span/load* 12'-8" 28	span/load* 15'-8" 23	span/load* 15'-1" 23	span/load* 10'-7" 41	span/load* 11'-10" 41	span/load* 11'-5" 41	4'-0" 69
130	span/load* 15'-3" 20	span/load* 17'-1" 20	span/load* 16'-6" 20	span/load* 12'-1" 31	span/load* 13'-6" 31	span/load* 13'-1" 31	span/load* 9'-5" 51	span/load* 11'-3" 45	span/load* 10'-10" 45	3'-10" 77
140-1&2	span/load* 12'-11" 27	span/load* 15'-11" 23	span/load* 15'-4" 23	span/load* 11'-3" 36	span/load* 12'-7" 36	span/load* 12'-2" 36	span/load* 8'-9" 59	span/load* 10'-4" 53	span/load* 9'-6" 59	3'-7" 89
150	span/load* 12'-0" 32	span/load* 13'-5" 32	span/load* 12'-11" 32	span/load* 10'-5" 42	span/load* 11'-7" 42	span/load* 11'-3" 42	span/load* 8'-2" 68	span/load* 9'-2" 68	span/load* 8'-10" 68	3'-4" 102

Wind Zone (MPH)	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	
100	span/load* 20'-8" 13	span/load* 23'-2" 13	span/load* 22'-4" 13	span/load* 17'-11" 17	span/load* 20'-1" 17	span/load* 19'-4" 17	span/load* 15'-5" 23	span/load* 17'-3" 23	span/load* 16'-8" 23	4'-0" 45
110	span/load* 20'-1" 14	span/load* 22'-6" 14	span/load* 21'-9" 14	span/load* 17'-5" 18	span/load* 19'-6" 18	span/load* 18'-10" 18	span/load* 13'-1" 32	span/load* 15'-11" 27	span/load* 15'-4" 27	4'-0" 55
120	span/load* 18'-2" 17	span/load* 20'-4" 17	span/load* 19'-8" 17	span/load* 15'-9" 22	span/load* 17'-7" 22	span/load* 17'-0" 22	span/load* 11'-10" 39	span/load* 13'-3" 39	span/load* 12'-9" 39	4'-0" 65
123	span/load* 17'-9" 17	span/load* 19'-10" 17	span/load* 19'-2" 17	span/load* 15'-4" 23	span/load* 16'-7" 23	span/load* 16'-2" 23	span/load* 11'-7" 41	span/load* 12'-11" 41	span/load* 12'-8" 41	4'-0" 69
130	span/load* 16'-9" 20	span/load* 18'-9" 20	span/load* 18'-1" 20	span/load* 13'-3" 31	span/load* 16'-2" 26	span/load* 15'-8" 26	span/load* 11'-0" 45	span/load* 12'-4" 45	span/load* 11'-11" 45	4'-0" 77
140-1&2	span/load* 15'-7" 23	span/load* 17'-5" 23	span/load* 16'-10" 23	span/load* 12'-4" 36	span/load* 15'-1" 30	span/load* 13'-4" 36	span/load* 9'-7" 59	span/load* 11'-4" 53	span/load* 10'-11" 53	3'-11" 89
150	span/load* 13'-2" 32	span/load* 16'-4" 26	span/load* 15'-10" 26	span/load* 11'-5" 42	span/load* 12'-9" 42	span/load* 12'-4" 42	span/load* 8'-11" 60	span/load* 10'-8" 60	span/load* 10'-4" 60	3'-8" 102

Wind Zone (MPH)	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	
100	span/load* 23'-4" 13	span/load* 26'-1" 13	span/load* 25'-3" 13	span/load* 20'-3" 17	span/load* 22'-7" 17	span/load* 21'-10" 17	span/load* 17'-5" 23	span/load* 19'-5" 23	span/load* 18'-9" 23	4'-0" 45
110	span/load* 22'-8" 14	span/load* 25'-5" 14	span/load* 24'-6" 14	span/load* 19'-8" 18	span/load* 21'-11" 18	span/load* 21'-3" 18	span/load* 16'-1" 27	span/load* 17'-11" 27	span/load* 17'-4" 27	4'-0" 55
120	span/load* 20'-6" 17	span/load* 22'-11" 17	span/load* 22'-2" 17	span/load* 17'-9" 22	span/load* 19'-11" 22	span/load* 19'-3" 22	span/load* 13'-4" 39	span/load* 16'-6" 32	span/load* 15'-11" 32	4'-0" 65
123	span/load* 19'-11" 17	span/load* 22'-4" 17	span/load* 21'-7" 17	span/load* 17'-4" 23	span/load* 19'-4" 23	span/load* 18'-9" 23	span/load* 13'-1" 41	span/load* 16'-0" 34	span/load* 15'-6" 34	4'-0" 69
130	span/load* 18'-11" 20	span/load* 21'-1" 20	span/load* 20'-5" 20	span/load* 16'-4" 26	span/load* 18'-3" 26	span/load* 17'-8" 26	span/load* 12'-5" 45	span/load* 15'-2" 38	span/load* 13'-5" 45	4'-0" 77
140-1&2	span/load* 17'-7" 23	span/load* 19'-8" 23	span/load* 18'-11" 23	span/load* 15'-3" 30	span/load* 17'-0" 30	span/load* 16'-5" 30	span/load* 11'-5" 53	span/load* 12'-10" 53	span/load* 12'-5" 53	4'-0" 89
150	span/load* 16'-6" 26	span/load* 18'-6" 26	span/load* 17'-10" 26	span/load* 12'-10" 42	span/load* 15'-11" 34	span/load* 15'-5" 34	span/load* 10'-9" 60	span/load* 12'-0" 60	span/load* 11'-8" 60	4'-0" 102

Wind Zone (MPH)	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	
100	span/load* 25'-9" 13	span/load* 28'-9" 13	span/load* 27'-10" 13	span/load* 22'-3" 17	span/load* 24'-11" 17	span/load* 24'-1" 17	span/load* 19'-2" 23	span/load* 21'-5" 23	span/load* 20'-8" 23	4'-0" 45
110	span/load* 25'-0" 14	span/load* 27'-11" 14	span/load* 27'-0" 14	span/load* 21'-8" 18	span/load* 24'-3" 18	span/load* 23'-5" 18	span/load* 17'-8" 27	span/load* 19'-9" 27	span/load* 19'-1" 27	4'-0" 55
120	span/load* 22'-7" 17	span/load* 25'-4" 17	span/load* 24'-5" 17	span/load* 19'-7" 22	span/load* 21'-11" 22	span/load* 21'-2" 22	span/load* 16'-3" 32	span/load* 18'-2" 32	span/load* 17'-7" 32	4'-0" 65
123	span/load* 22'-0" 17	span/load* 24'-8" 17	span/load* 23'-10" 17	span/load* 19'-1" 23	span/load* 21'-4" 23	span/load* 20'-7" 23	span/load* 15'-10" 34	span/load* 17'-8" 34	span/load* 17'-1" 34	4'-0" 69
130	span/load* 20'-10" 20	span/load* 23'-3" 20	span/load* 22'-6" 20	span/load* 18'-0" 26	span/load* 20'-2" 26	span/load* 19'-6" 26	span/load* 13'-8" 45	span/load* 16'-8" 38	span/load* 16'-1" 38	4'-0" 77
140-1&2	span/load* 19'-4" 23	span/load* 21'-8" 23	span/load* 20'-11" 23	span/load* 16'-9" 30	span/load* 18'-9" 30	span/load* 18'-2" 30	span/load* 12'-7" 53	span/load* 15'-6" 44	span/load* 13'-8" 53	4'-0" 89
150	span/load* 18'-2" 26	span/load* 20'-4" 26	span/load* 19'-8" 26	span/load* 15'-9" 34	span/load* 17'-7" 34	span/load* 17'-0" 34	span/load* 11'-10" 60	span/load* 13'-3" 60	span/load* 12'-10" 60	4'-0" 102

Note:

1. Total roof panel width = room width + wall width + overhang. *Design or applied load based on the effective area of the panel.



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NOTICE OF COMMENCEMENT

Inst:200812009825 Date:5/21/2008 Time:10:00 AM
14 DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1150 P:2210

Tax Parcel Identification Number 18651709696125

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description): Lot 35/37 Columbia Acres
 - a) Street (job) Address: 650 SW Quay Pl
2. General description of improvements: Wood deck, patio cover, screen room + breezeway
3. Owner Information
 - a) Name and address: Stephena Kelly Douglas
 - b) Name and address of fee simple titleholder (if other than owner): _____
 - c) Interest in property: owner
4. Contractor Information
 - a) Name and address: A+ Aluminum Inc / Scott Sapp 2515 NW 10th St Ocala 34475
 - b) Telephone No.: (352) 732-0037 Fax No. (Opt.): (352) 732-0592
5. Surety Information
 - a) Name and address: _____
 - b) Amount of Bond: N/A
 - c) Telephone No.: _____ Fax No. (Opt.): _____
6. Lender
 - a) Name and address: N/A
 - b) Phone No.: _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
 - a) Name and address: _____
 - b) Telephone No.: N/A Fax No. (Opt.): N/A
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
 - a) Name and address: N/A
 - b) Telephone No.: _____ Fax No. (Opt.): N/A
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

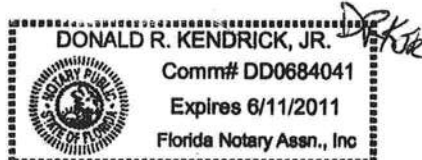
STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Stephena Kelly Douglas
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager
Stephen Douglas
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 20th day of MAY, 2008, by:
STEPHEN DOUGLAS as OWNER (type of authority, e.g. officer, trustee, attorney
fact) for STEPHEN DOUGLAS (name of party on behalf of whom instrument was executed).

Personally Known _____ OR Produced Identification ☒ Type DRIVERS LICENSE

Notary Signature [Signature] Notary Stamp or Seal:



11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Stephena Kelly Douglas
Signature of Natural Person Signing (in line #10 above.)