DATE 04/11/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000025716

APPLICANT JAY MILTON PHONE 386.758.4570

ADDRESS 1296 SW RIDGE STREET LAKE CITY FL 32024

OWNER SUE ROWAN PHONE 386.755.5827

ADDRESS 182 NW EMPORIA GLEN LAKR CITY FL 32055

CONTRACTOR JAY MILTON PHONE 386.755.5827

LOCATION OF PROPERTY LAKE JEFFERY ROAD TO LAKEWOOD ESTATES,TAKE 1ST. LEFT INTO SD
HOME ON THE R.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 135750.00

HEATED FLOOR AREA 2715.00 TOTAL AREA 4096.00 HEIGHT 21.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 7'12 FLOOR CONC

LAND USE & ZONING RSF-2 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 0 FLOOD ZONE XPS DEVELOPMENT PERMIT NO.

PARCEL ID 23-3S-16-02272-107 SUBDIVISION LAKEWOOD ESTATES

LOT 7 BLOCK PHASE 1 UNIT TOTAL ACRES 4.00

000001366		CGC06912		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
18"X32'MITERED	07-243	BLK	JTH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD.

Check # or Cash 8043

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 $ 680.00 CERTIFICATION FEE $ 20.48 SURCHARGE FEE $ 20.48

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 820.96

INSPECTORS OFFICE CLERKS OFFICE CN

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

For Office Use Only Application # 0704-02 Date Received 4-2-07 By LH Permit # 25716/136

Application Approved by - Zoning Official BLK Date 10.04.07 Plans Examiner OKJTH Date 4-4-07

Flood Zone Apx Survey Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Low Den.

Comments

☑ NOC ☑ EH ☑ Deed or PA ☑ Site Plan ☑ State Road Info ☐ Parent Parcel # ☐ Development Permit

Fax 758 4570

Name Authorized Person Signing Permit Jay Milton Phone 755-5827

Address 1296 SW Ridge ST Lake City Fl. 32024

Owners Name Sue Rowan Phone

911 Address 182 NW Emporia Gln, Lake City Fl. 32055

Contractors Name Jay Milton Phone 755 5827

Address 1296 SW Ridge ST Lake City Fl. 32024

Fee Simple Owner Name & Address

Bonding Co. Name & Address —

Architect/Engineer Name & Address Plans by Jay Milton

Mortgage Lenders Name & Address First Federal of Lake City

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy

Property ID Number 23-35-16-02272-107 Estimated Cost of Construction 299,000.00

Subdivision Name Lake Wood Estates Lot 7 Block Unit Phase 1

Driving Directions Take Lake Jeffery Rd to Lake Wood Estates. Take 1ST Left in Subdivision house on RT.

Type of Construction Single Family Res. Number of Existing Dwellings on Property 0

Total Acreage 4 Lot Size 4 Ac. Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 385' Side 70' Side 57' Rear 200' to Approx water line

Total Building Height 21' Number of Stories 1 Heated Floor Area 2715 TOTAL 4096 Roof Pitch 7/12

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 Authorized Person by Notarized Letter

Contractor Signature

Contractors License Number CGC060912

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 2 day of April 2007.

Personally known ____ or Produced Identification ✓

Notary Signature

(Revised Sept. 2006)

Called Finished 4.11.07

Columbia County Property Appraiser

DB Last Updated: 3/8/2007

2007 Proposed Values

Parcel: 23-3S-16-02272-107

Tax Record | Property Card | Interactive GIS Map | Print

Search Result: 1 of 1

Owner & Property Info

Owner's Name	ROWAND SUE B REVOC TRUST		
Site Address	LAKEWOOD ESTATES		
Mailing Address	142 SE ROWAND PL LAKE CITY, FL 32025		
Use Desc. (code)	VACANT (000000)		
Neighborhood	23316.03	**Tax District**	2
UD Codes	MKTA06	**Market Area**	06
Total Land Area	0.000 ACRES		
Description	LOT 7 LAKEWOOD ESTATES S/D. ORB 818-1316, 819-2183, 867-445, 874-347,		

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (1)	$75,000.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$75,000.00

Just Value	$75,000.00
Class Value	$0.00
Assessed Value	$75,000.00
Exempt Value	$0.00
Total Taxable Value	$75,000.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
10/7/1998	867/445	WD	V	Q		$54,000.00
3/30/1996	819/2183	WD	V	Q		$45,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000020	VAC/WATER (MKT)	1.000 LT - (.000AC)	1.00/1.00/1.00/1.00	$75,000.00	$75,000.00

Columbia County Property Appraiser DB Last Updated: 3/8/2007

1 of 1

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001366

DATE 04/11/2007 PARCEL ID # 23-3S-16-02272-107

APPLICANT JAY MILTON PHONE 386.755.5827

ADDRESS 1296 SW RIDGE STREET LAKE CITY FL 32024

OWNER SUE ROWAN PHONE 386.755.5827

ADDRESS 182 NW EMPORIA GLEN LAKE CITY FL 32055

CONTRACTOR JAY MILTON PHONE 386.755.5827

LOCATION OF PROPERTY LAKE JEFFERY ROAD TO LAKEWOOD ESTATES, TL INTO S.D. AND THE HOME IS ON THE R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT LAKEWOOD ESTATES 7 1

SIGNATURE

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED DURING THE INSTALATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

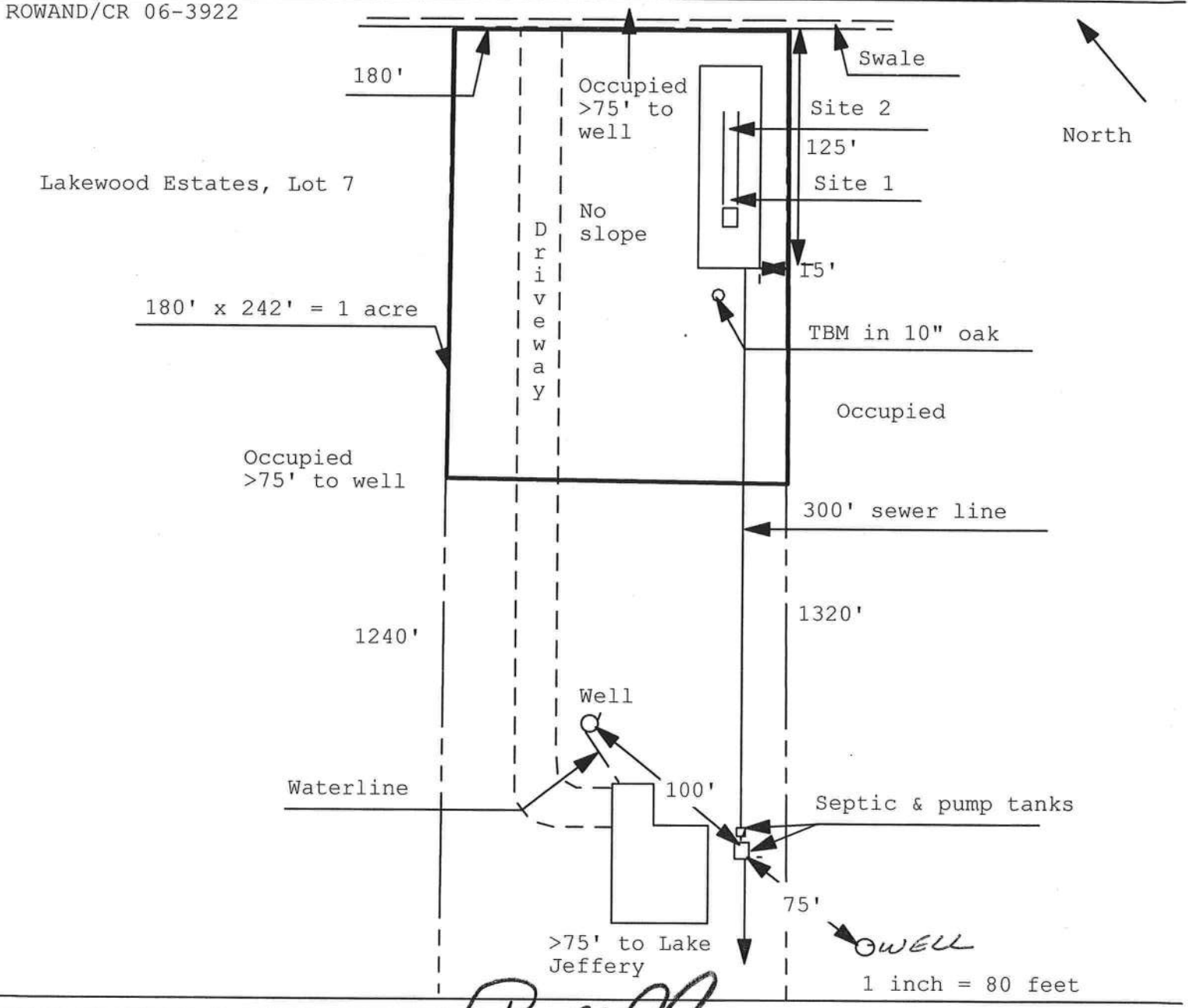
Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 07-243

12-96-113258

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

ROWAND/CR 06-3922



Site Plan Submitted By Paul Lloyd **Date** 3/19/07

Plan Approved ✓ **Not Approved** ____ **Date** 3-26-07

By Mark S Zander **CPHU**

Notes: ____

48-602

nD

THIS INSTRUMENT WAS PREPARED BY:
FIRST FEDERAL SAVINGS BANK OF FLORIDA
4705 WEST U.S. HIGHWAY 90
P.O. BOX 2029
LAKE CITY, FLORIDA 32056

Inst:2007005271 Date:03/05/2007 Time:15:28
DC,P.DeWitt Cason,Columbia County B:1112 P:2079

PERMIT NO._____ TAX FOLIO NO._____

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF Columbia

The undersigned hereby gives notice that improvement 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.

1. Description of property: Lot No. 7, LAKEWOOD ESTATES, a subdivision according to the plat thereof as recorded in Plat Book 6, Page 63, public records of Columbia County, Florida.

2. General description of improvement: **Construction of Dwelling**

3. Owner information:
   a. Name and address: SUE B. ROWAND
   142 SE Rowand Place, Lake City, FL 32025

   b. Interest in property: **Fee Simple**

   c. Name and address of fee simple title holder (if other than Owner): **NONE**

4. Contractor (name and address): MILTON BUILDERS, LLC
   1296 SW Ridge Street, Lake City, FL 32024

5. Surety:
   a. Name and address: _____

   b. Amount of bond: _____

6. Lender: **FIRST FEDERAL SAVINGS BANK OF FLORIDA**
   4705 WEST U.S. HIGHWAY 90
   P. O. BOX 2029
   LAKE CITY, FLORIDA 32056

7. Persons within the State of Florida designated by Owner upon whom notices or other document may be served as provided by Section 713.13 (1) (a) 7., Florida Statutes: NONE

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 3/22/2007 **DATE ISSUED:** 3/23/2007

ENHANCED 9-1-1 ADDRESS:

182 NW EMPORIA GLN

LAKE CITY FL 32055

PROPERTY APPRAISER PARCEL NUMBER:

23-3S-16-02272-107

Remarks:

LOT 7 LAKEWOOD ESTATES S/D.

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

686

Approved Address

MAR 23 2007

911Addressing/GIS Dept

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (386) 752-1854
FAX (386) 755-7022
904 NW MAIN BLVD.
LAKE CITY, FLORIDA 32055

January 23,2007

Notice To All Contractors:

Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphragm tank is used then we will install a cycle stop valve which will produce the same results. All wells will have a pump & tank combination that will be sufficient enough for each situation.

If you have any questions please feel free to call our office.

Thank You ,

Donald D. Hall

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphram tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphram tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,

Donald D. Hall
DDH/jk

SUE RODGERS
182 NW EMPORIA
LAKE CITY, FLA. 32055

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**703091MiltonBuilders**	Builder:	Jay Milton
Address:	**Lot: 7, Sub: Lakewood Estate, Plat:**	Permitting Office:	Columbia
City, State:	**, FL**	Permit Number:	
Owner:	**Rowand Residence**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	
2. Single family or multi-family	Single family	
3. Number of units, if multi-family	1	
4. Number of Bedrooms	3	
5. Is this a worst case?	Yes	
6. Conditioned floor area (ft²)	2715 ft²	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a. U-factor: (or Single or Double DEFAULT) 7a.	Description Area (Dble Default) 407.2 ft²	
b. SHGC: (or Clear or Tint DEFAULT) 7b.	(Clear) 407.2 ft²	
8. Floor types		
a. Slab-On-Grade Edge Insulation	R=0.0, 250.0(p) ft	
b. N/A		
c. N/A		
9. Wall types		
a. Frame, Wood, Exterior	R=13.0, 1420.8 ft²	
b. Frame, Wood, Adjacent	R=13.0, 172.0 ft²	
c. N/A		
d. N/A		
e. N/A		
10. Ceiling types		
a. Under Attic	R=30.0, 2715.0 ft²	
b. N/A		
c. N/A		
11. Ducts		
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 190.0 ft	
b. N/A		
12. Cooling systems		
a. Central Unit	Cap: 51.0 kBtu/hr SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 51.0 kBtu/hr HSPF: 7.90	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 40.0 gallons EF: 0.93	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.15

Total as-built points: 31048
Total base points: 35199

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: Jay Smith

DATE: 3-13-07

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 7, Sub: Lakewood Estate, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	2715.0	20.04	9793.5	Double, Clear	N	1.5	5.5	90.0	19.20	0.93	1604.0
				Double, Clear	NE	16.0	6.5	15.0	29.56	0.45	201.0
				Double, Clear	N	14.0	6.5	25.0	19.20	0.62	296.1
				Double, Clear	N	14.0	6.5	30.0	19.20	0.62	355.3
				Double, Clear	NW	16.0	4.5	9.0	25.97	0.52	120.5
				Double, Clear	W	28.0	6.5	20.0	38.52	0.37	288.6
				Double, Clear	NW	5.0	6.5	20.0	25.97	0.69	356.4
				Double, Clear	N	10.0	6.5	15.0	19.20	0.65	187.4
				Double, Clear	E	1.5	5.5	30.0	42.06	0.90	1131.0
				Double, Clear	E	1.5	3.5	6.0	42.06	0.78	195.7
				Double, Clear	S	1.5	0.0	72.0	35.87	0.43	1115.4
				Double, Clear	S	1.5	0.0	20.0	35.87	0.43	309.8
				Double, Clear	S	5.0	8.0	13.3	35.87	0.60	288.4
				Double, Clear	S	5.0	3.0	12.5	35.87	0.46	207.3
				Double, Clear	SE	1.5	4.5	6.7	42.75	0.80	229.9
				Double, Clear	S	1.5	4.5	16.0	35.87	0.78	445.3
				Double, Clear	SW	1.5	4.5	6.7	40.16	0.80	216.6
				As-Built Total:				**407.2**			**7548.8**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	172.0	0.70	120.4	Frame, Wood, Exterior	13.0	1420.8	1.50	2131.2
Exterior	1420.8	1.70	2415.4	Frame, Wood, Adjacent	13.0	172.0	0.60	103.2
Base Total:	**1592.8**		**2535.8**	**As-Built Total:**		**1592.8**		**2234.4**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	20.0	1.60	32.0	Exterior Insulated	40.0	4.10	164.0
Exterior	80.0	4.10	328.0	Exterior Insulated	40.0	4.10	164.0
				Adjacent Insulated	20.0	1.60	32.0
Base Total:	**100.0**		**360.0**	**As-Built Total:**	**100.0**		**360.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	2715.0	1.73	4697.0	Under Attic	30.0	2715.0	1.73 X 1.00	4697.0
Base Total:	**2715.0**		**4697.0**	**As-Built Total:**		**2715.0**		**4697.0**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 7, Sub: Lakewood Estate, Plat: , , FL,** PERMIT #:

BASE					AS-BUILT					
FLOOR TYPES	Area X	BSPM	=	Points	Type	R-Value	Area X	SPM	=	Points
Slab	250.0(p)	-37.0		-9250.0	Slab-On-Grade Edge Insulation	0.0	250.0(p	-41.20		-10300.0
Raised	0.0	0.00		0.0						
Base Total:				**-9250.0**	**As-Built Total:**		**250.0**			**-10300.0**
INFILTRATION	Area X	BSPM	=	Points			Area X	SPM	=	Points
	2715.0	10.21		27720.2			2715.0	10.21		27720.2
Summer Base Points: 35856.4					**Summer As-Built Points:**					**32260.3**
Total Summer Points	X System Multiplier	=	Cooling Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
					(sys 1: Central Unit 51000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
					32260	1.00	(1.09 x 1.147 x 0.91)	0.263	1.000	9635.9
35856.4	**0.4266**		**15296.3**		**32260.3**	**1.00**	**1.138**	**0.263**	**1.000**	**9635.9**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 7, Sub: Lakewood Estate, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	2715.0	12.74	6226.0	Double, Clear	N	1.5	5.5	90.0	24.58	1.00	2218.6	
				Double, Clear	NE	16.0	6.5	15.0	23.57	1.06	374.7	
				Double, Clear	N	14.0	6.5	25.0	24.58	1.03	630.1	
				Double, Clear	N	14.0	6.5	30.0	24.58	1.03	756.2	
				Double, Clear	NW	16.0	4.5	9.0	24.30	1.04	226.6	
				Double, Clear	W	28.0	6.5	20.0	20.73	1.24	513.1	
				Double, Clear	NW	5.0	6.5	20.0	24.30	1.02	496.0	
				Double, Clear	N	10.0	6.5	15.0	24.58	1.02	377.1	
				Double, Clear	E	1.5	5.5	30.0	18.79	1.04	587.1	
				Double, Clear	E	1.5	3.5	6.0	18.79	1.09	123.3	
				Double, Clear	S	1.5	0.0	72.0	13.30	3.66	3504.2	
				Double, Clear	S	1.5	0.0	20.0	13.30	3.66	973.4	
				Double, Clear	S	5.0	8.0	13.3	13.30	1.96	346.5	
				Double, Clear	S	5.0	3.0	12.5	13.30	3.40	565.3	
				Double, Clear	SE	1.5	4.5	6.7	14.71	1.18	115.8	
				Double, Clear	S	1.5	4.5	16.0	13.30	1.26	267.8	
				Double, Clear	SW	1.5	4.5	6.7	16.74	1.11	124.8	
				As-Built Total:				**407.2**			**12200.4**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	172.0	3.60	619.2	Frame, Wood, Exterior	13.0	1420.8	3.40	4830.7
Exterior	1420.8	3.70	5257.0	Frame, Wood, Adjacent	13.0	172.0	3.30	567.6
Base Total:	**1592.8**		**5876.2**	**As-Built Total:**		**1592.8**		**5398.3**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	20.0	8.00	160.0	Exterior Insulated	40.0	8.40	336.0
Exterior	80.0	8.40	672.0	Exterior Insulated	40.0	8.40	336.0
				Adjacent Insulated	20.0	8.00	160.0
Base Total:	**100.0**		**832.0**	**As-Built Total:**	**100.0**		**832.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	2715.0	2.05	5565.8	Under Attic	30.0	2715.0	2.05 X	1.00	5565.8
Base Total:	**2715.0**		**5565.8**	**As-Built Total:**		**2715.0**			**5565.8**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 7, Sub: Lakewood Estate, Plat: , , FL,** PERMIT #:

BASE					AS-BUILT					
FLOOR TYPES	Area X	BWPM	=	Points	Type	R-Value	Area X	WPM	=	Points
Slab	250.0(p)	8.9		2225.0	Slab-On-Grade Edge Insulation	0.0	250.0(p	18.80		4700.0
Raised	0.0	0.00		0.0						
Base Total:				**2225.0**	**As-Built Total:**		**250.0**			**4700.0**
INFILTRATION	Area X	BWPM	=	Points			Area X	WPM	=	Points
	2715.0	-0.59		-1601.8			2715.0	-0.59		-1601.8
Winter Base Points:				**19123.1**	**Winter As-Built Points:**					**27094.7**
Total Winter Points	X System Multiplier	= Heating Points			Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
					(sys 1: Electric Heat Pump 51000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
					27094.7	1.000	(1.069 x 1.169 x 0.93)	0.432	1.000	13592.1
19123.1	**0.6274**	**11997.8**			**27094.7**	**1.00**	**1.162**	**0.432**	**1.000**	**13592.1**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 7, Sub: Lakewood Estate, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2635.00	7905.0	40.0	0.93	3	1.00	2606.67	1.00	7820.0	
				As-Built Total:						**7820.0**	

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points		Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	
15296	**11998**	**7905**	**35199**		**9636**	**13592**	**7820**	**31048**	

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 7, Sub: Lakewood Estate, Plat: , , FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.6

The higher the score, the more efficient the home.

Rowand Residence, Lot: 7, Sub: Lakewood Estate, Plat: , , FL,

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	3	
5.	Is this a worst case?	Yes	
6.	Conditioned floor area (ft²)	2715 ft²	
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)		
	a. U-factor: (or Single or Double DEFAULT) 7a.	Description Area (Dble Default) 407.2 ft²	
	b. SHGC: (or Clear or Tint DEFAULT) 7b.	(Clear) 407.2 ft²	
8.	Floor types		
	a. Slab-On-Grade Edge Insulation	R=0.0, 250.0(p) ft	
	b. N/A		
	c. N/A		
9.	Wall types		
	a. Frame, Wood, Exterior	R=13.0, 1420.8 ft²	
	b. Frame, Wood, Adjacent	R=13.0, 172.0 ft²	
	c. N/A		
	d. N/A		
	e. N/A		
10.	Ceiling types		
	a. Under Attic	R=30.0, 2715.0 ft²	
	b. N/A		
	c. N/A		
11.	Ducts		
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 190.0 ft	
	b. N/A		

12.	Cooling systems		
	a. Central Unit	Cap: 51.0 kBtu/hr	
		SEER: 13.00	
	b. N/A		
	c. N/A		
13.	Heating systems		
	a. Electric Heat Pump	Cap: 51.0 kBtu/hr	
		HSPF: 7.90	
	b. N/A		
	c. N/A		
14.	Hot water systems		
	a. Electric Resistance	Cap: 40.0 gallons	
		EF: 0.93	
	b. N/A		
	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

Milton Builders, LLC

FOREST PLANTATION S.D. • PHONE (386) 755-5827

Jay Milton
Contractor
CG-C060912

1296 SW Ridge St.
Lake City, Florida 32024

April 04, 2007

The Columbia County Building & Zoning Department Plan Review

Joe Haltiwanger:

We have received the letter in reference to building application number: 0704-02, Sue Rowand. We will be in compliance with all that is required.

Thank you,

Jay Milton
Milton Builders

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 23-3S-16-02272-107 | Building permit No. 000025716

Use Classification SFD/UTILITY | Fire: 70.62

Permit Holder JAY MILTON | Waste: 184.25

Owner of Building SUE ROWAN | Total: 254.87

Location: 182 NW EMPORIA GLEN

Date: 11/21/2007

Harry Dicks

Building Inspector

11.21.07 Faxed to Red's Name spelled wrong

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Residential System Sizing Calculation

Summary

Rowand Residence

, FL

Project Title:
703091MiltonBuilders

Class 3 Rating
Registration No. 0
Climate: North

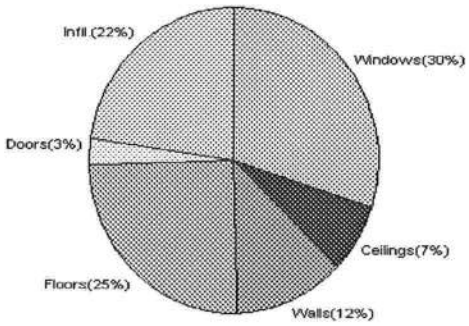
3/13/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**43426**	**Btuh**	**Total cooling load calculation**	**36968**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	117.4	51000	Sensible (SHR = 0.75)	122.3	38250
Heat Pump + Auxiliary(0.0kW)	117.4	51000	Latent	223.8	12750
			Total (Electric Heat Pump)	138.0	51000

WINTER CALCULATIONS

Winter Heating Load (for 2715 sqft)

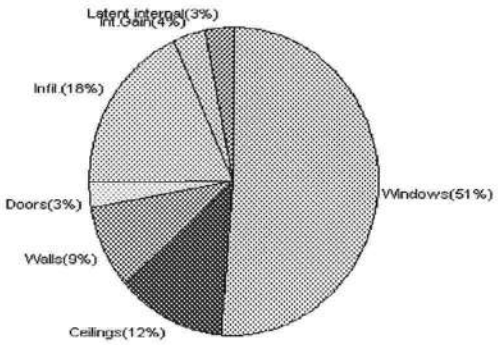
Load component			Load	
Window total	407	sqft	13108	Btuh
Wall total	1593	sqft	5231	Btuh
Door total	100	sqft	1295	Btuh
Ceiling total	2715	sqft	3199	Btuh
Floor total	250	sqft	10915	Btuh
Infiltration	239	cfm	9678	Btuh
Duct loss			0	Btuh
Subtotal			**43426**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**43426**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2715 sqft)

Load component			Load	
Window total	407	sqft	18900	Btuh
Wall total	1593	sqft	3223	Btuh
Door total	100	sqft	980	Btuh
Ceiling total	2715	sqft	4496	Btuh
Floor total			0	Btuh
Infiltration	123	cfm	2291	Btuh
Internal gain			1380	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**31270**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			4498	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**5698**	**Btuh**
TOTAL HEAT GAIN			**36968**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: Yzhen
DATE: 3-13-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Rowand Residence
, FL

Project Title:
703091MiltonBuilders

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

3/13/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	90.0	32.2	2897 Btuh
2	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
3	2, Clear, Metal, 0.87	NW	25.0	32.2	805 Btuh
4	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
5	2, Clear, Metal, 0.87	W	9.0	32.2	290 Btuh
6	2, Clear, Metal, 0.87	SW	20.0	32.2	644 Btuh
7	2, Clear, Metal, 0.87	W	20.0	32.2	644 Btuh
8	2, Clear, Metal, 0.87	NW	15.0	32.2	483 Btuh
9	2, Clear, Metal, 0.87	NE	30.0	32.2	966 Btuh
10	2, Clear, Metal, 0.87	NE	6.0	32.2	193 Btuh
11	2, Clear, Metal, 0.87	SE	72.0	32.2	2318 Btuh
12	2, Clear, Metal, 0.87	SE	20.0	32.2	644 Btuh
13	2, Clear, Metal, 0.87	SE	13.3	32.2	428 Btuh
14	2, Clear, Metal, 0.87	SE	12.5	32.2	402 Btuh
15	2, Clear, Metal, 0.87	E	6.7	32.2	216 Btuh
16	2, Clear, Metal, 0.87	SE	16.0	32.2	515 Btuh
17	2, Clear, Metal, 0.87	S	6.7	32.2	216 Btuh
	Window Total		407(sqft)		13108 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1421	3.3	4666 Btuh
2	Frame - Wood - Adj(0.09)	13.0	172	3.3	565 Btuh
	Wall Total		1593		5231 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		40	12.9	518 Btuh
3	Insulated - Exterior		40	12.9	518 Btuh
	Door Total		100		1295Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2715	1.2	3199 Btuh
	Ceiling Total		2715		3199Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	250.0 ft(p)	43.7	10915 Btuh
	Floor Total		250		10915 Btuh
			Zone Envelope Subtotal:		33748 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	21720	238.9	9678 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**43426 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Rowand Residence
, FL

Project Title:
703091MiltonBuilders

Class 3 Rating
Registration No. 0
Climate: North

3/13/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	43426 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	43426 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Rowand Residence
, FL

Project Title:
703091MiltonBuilders

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

3/13/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	90.0	32.2	2897 Btuh
2	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
3	2, Clear, Metal, 0.87	NW	25.0	32.2	805 Btuh
4	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
5	2, Clear, Metal, 0.87	W	9.0	32.2	290 Btuh
6	2, Clear, Metal, 0.87	SW	20.0	32.2	644 Btuh
7	2, Clear, Metal, 0.87	W	20.0	32.2	644 Btuh
8	2, Clear, Metal, 0.87	NW	15.0	32.2	483 Btuh
9	2, Clear, Metal, 0.87	NE	30.0	32.2	966 Btuh
10	2, Clear, Metal, 0.87	NE	6.0	32.2	193 Btuh
11	2, Clear, Metal, 0.87	SE	72.0	32.2	2318 Btuh
12	2, Clear, Metal, 0.87	SE	20.0	32.2	644 Btuh
13	2, Clear, Metal, 0.87	SE	13.3	32.2	428 Btuh
14	2, Clear, Metal, 0.87	SE	12.5	32.2	402 Btuh
15	2, Clear, Metal, 0.87	E	6.7	32.2	216 Btuh
16	2, Clear, Metal, 0.87	SE	16.0	32.2	515 Btuh
17	2, Clear, Metal, 0.87	S	6.7	32.2	216 Btuh
	Window Total		407(sqft)		13108 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1421	3.3	4666 Btuh
2	Frame - Wood - Adj(0.09)	13.0	172	3.3	565 Btuh
	Wall Total		1593		5231 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		40	12.9	518 Btuh
3	Insulated - Exterior		40	12.9	518 Btuh
	Door Total		100		1295Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2715	1.2	3199 Btuh
	Ceiling Total		2715		3199Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	250.0 ft(p)	43.7	10915 Btuh
	Floor Total		250		10915 Btuh
			Zone Envelope Subtotal:		33748 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	21720	238.9	9678 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**43426 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Rowand Residence
, FL

Project Title:
703091MiltonBuilders

Class 3 Rating
Registration No. 0
Climate: North

3/13/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	43426 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	43426 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Rowand Residence
, FL

Project Title:
703091MiltonBuilders

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 3/13/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	90.0	0.0	90.0	29	60	5403 Btuh
2	2, Clear, 0.87, None,N,N	N	16ft.	6.5ft.	15.0	0.0	15.0	29	29	434 Btuh
3	2, Clear, 0.87, None,N,N	NW	14ft.	6.5ft.	25.0	0.0	25.0	29	60	1501 Btuh
4	2, Clear, 0.87, None,N,N	NW	14ft.	6.5ft.	30.0	0.0	30.0	29	60	1801 Btuh
5	2, Clear, 0.87, None,N,N	W	16ft.	4.5ft.	9.0	9.0	0.0	29	80	261 Btuh
6	2, Clear, 0.87, None,N,N	SW	28ft.	6.5ft.	20.0	20.0	0.0	29	63	579 Btuh
7	2, Clear, 0.87, None,N,N	W	5ft.	6.5ft.	20.0	10.6	9.4	29	80	1054 Btuh
8	2, Clear, 0.87, None,N,N	NW	10ft.	6.5ft.	15.0	0.0	15.0	29	60	901 Btuh
9	2, Clear, 0.87, None,N,N	NE	1.5ft.	5.5ft.	30.0	0.0	30.0	29	60	1801 Btuh
10	2, Clear, 0.87, None,N,N	NE	1.5ft.	3.5ft.	6.0	0.0	6.0	29	60	360 Btuh
11	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	72.0	72.0	0.0	29	63	2085 Btuh
12	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	20.0	20.0	0.0	29	63	579 Btuh
13	2, Clear, 0.87, None,N,N	SE	5ft.	8ft.	13.3	13.3	0.0	29	63	385 Btuh
14	2, Clear, 0.87, None,N,N	SE	5ft.	3ft.	12.5	12.5	0.0	29	63	362 Btuh
15	2, Clear, 0.87, None,N,N	E	1.5ft.	4.5ft.	6.7	1.2	5.5	29	80	470 Btuh
16	2, Clear, 0.87, None,N,N	SE	1.5ft.	4.5ft.	16.0	8.1	7.9	29	63	729 Btuh
17	2, Clear, 0.87, None,N,N	S	1.5ft.	4.5ft.	6.7	6.7	0.0	29	34	194 Btuh
	Window Total				407 (sqft)					18900 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1420.8	2.1	2964 Btuh
2	Frame - Wood - Adj	13.0/0.09	172.0	1.5	260 Btuh
	Wall Total		1593 (sqft)		3223 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	40.0	9.8	392 Btuh
3	Insulated - Exterior	40.0	9.8	392 Btuh
	Door Total	100 (sqft)		980 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2715.0	1.7	4496 Btuh
	Ceiling Total		2715 (sqft)		4496 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	250 (ft(p))	0.0	0 Btuh
	Floor Total		250.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		27600 Btuh
Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.34	21720	123.1	2291 Btuh
Internal gain		Occupants	Btuh/occupant	Appliance	Load
		6	X 230 +	0	1380 Btuh
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)			DGM = 0.00	0.0 Btuh
			Sensible Zone Load		**31270 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Rowand Residence
, FL

Project Title:
703091MiltonBuilders

Class 3 Rating
Registration No. 0
Climate: North

3/13/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**31270 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**31270 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**31270 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	4498 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**5698 Btuh**
	TOTAL GAIN	**36968 Btuh**

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Rowand Residence
, FL

Project Title:
703091MiltonBuilders

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 3/13/2007
This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	90.0	0.0	90.0	29	60	5403 Btuh
2	2, Clear, 0.87, None,N,N	N	16ft.	6.5ft.	15.0	0.0	15.0	29	29	434 Btuh
3	2, Clear, 0.87, None,N,N	NW	14ft.	6.5ft.	25.0	0.0	25.0	29	60	1501 Btuh
4	2, Clear, 0.87, None,N,N	NW	14ft.	6.5ft.	30.0	0.0	30.0	29	60	1801 Btuh
5	2, Clear, 0.87, None,N,N	W	16ft.	4.5ft.	9.0	9.0	0.0	29	80	261 Btuh
6	2, Clear, 0.87, None,N,N	SW	28ft.	6.5ft.	20.0	20.0	0.0	29	63	579 Btuh
7	2, Clear, 0.87, None,N,N	W	5ft.	6.5ft.	20.0	10.6	9.4	29	80	1054 Btuh
8	2, Clear, 0.87, None,N,N	NW	10ft.	6.5ft.	15.0	0.0	15.0	29	60	901 Btuh
9	2, Clear, 0.87, None,N,N	NE	1.5ft.	5.5ft.	30.0	0.0	30.0	29	60	1801 Btuh
10	2, Clear, 0.87, None,N,N	NE	1.5ft.	3.5ft.	6.0	0.0	6.0	29	60	360 Btuh
11	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	72.0	72.0	0.0	29	63	2085 Btuh
12	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	20.0	20.0	0.0	29	63	579 Btuh
13	2, Clear, 0.87, None,N,N	SE	5ft.	8ft.	13.3	13.3	0.0	29	63	385 Btuh
14	2, Clear, 0.87, None,N,N	SE	5ft.	3ft.	12.5	12.5	0.0	29	63	362 Btuh
15	2, Clear, 0.87, None,N,N	E	1.5ft.	4.5ft.	6.7	1.2	5.5	29	80	470 Btuh
16	2, Clear, 0.87, None,N,N	SE	1.5ft.	4.5ft.	16.0	8.1	7.9	29	63	729 Btuh
17	2, Clear, 0.87, None,N,N	S	1.5ft.	4.5ft.	6.7	6.7	0.0	29	34	194 Btuh
	Window Total				407 (sqft)					18900 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1420.8	2.1	2964 Btuh
2	Frame - Wood - Adj	13.0/0.09	172.0	1.5	260 Btuh
	Wall Total		1593 (sqft)		3223 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	40.0	9.8	392 Btuh
3	Insulated - Exterior	40.0	9.8	392 Btuh
	Door Total	100 (sqft)		980 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2715.0	1.7	4496 Btuh
	Ceiling Total		2715 (sqft)		4496 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	250 (ft(p))	0.0	0 Btuh
	Floor Total		250.0 (sqft)		0 Btuh

	Zone Envelope Subtotal:	27600 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.34	21720	123.1	2291 Btuh

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	6	X 230 +	0	1380 Btuh

Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic) DGM = 0.00	0.0 Btuh
	Sensible Zone Load	**31270 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Rowand Residence
, FL

Project Title:
703091MiltonBuilders

Class 3 Rating
Registration No. 0
Climate: North

3/13/2007

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**31270 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**31270 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**31270 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	4498 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**5698 Btuh**
	TOTAL GAIN	**36968 Btuh**

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

Residential Window Diversity

MidSummer

Rowand Residence

, FL

Project Title:
703091MiltonBuilders

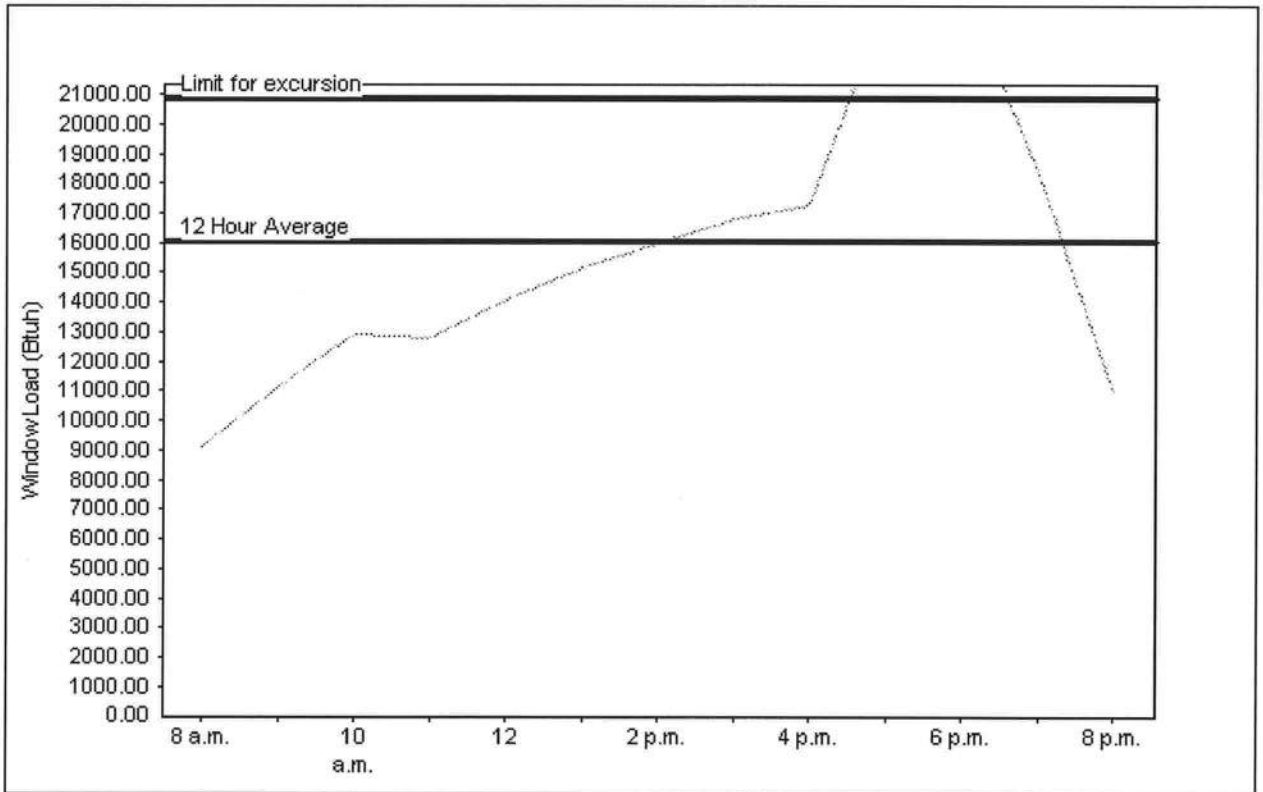
Class 3 Rating
Registration No. 0
Climate: North

3/13/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	16033 Btu
Summer setpoint	75 F	Peak window load for July	24416 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	20842 Btu
Latitude	29 North	Window excursion (July)	3574 Btuh

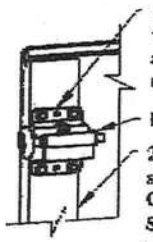
WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY:
DATE: 3-13-07



14 gauge (.070) galvanized steel top fixture. Each fixture attached with four 1/4" x 3/4" screws.

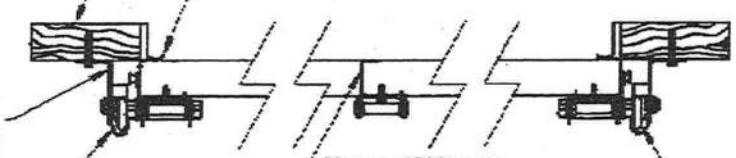
push nut

20 gauge (.036) end stile manufactured by C.H.I.

Strut, if applicable, not shown for clarity.

The 2x6 vertical wood jambs are to be grade 2 or better southern pine. Fasteners may be countersunk to provide a flush mounting surface.

2" x 7/16" (nominal) Stop molding required (not supplied by C.H.I.)



12 gauge (.095) galvanized steel track bracket fastened to wood jamb with one 5/16" x 1-5/8" wood lag screw per bracket.

20 gauge (.036) center stile manufactured by C.H.I.

2" steel roller

2" x .051 min. galvanized steel track fastened to track brackets. Each track bracket attached with one 1/4" x 5/8" track bolt and nut.

End Hinge
16 gauge (.058) galvanized steel end hinge fastened to section with four 1/4" x 3/4" screws.

push nut

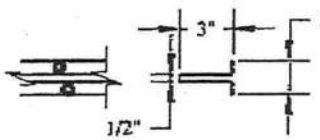
2" steel track roller.

2 3/4"

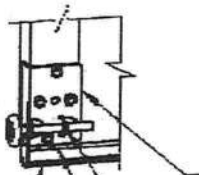
3-1/2" (min.) stem

Intermediate Hinge
18 gauge (.047) galvanized steel intermediate hinge fastened to section with four 1/4" x 3/4" screws.

2 3/4"



20 gauge (.034) 33 ksi galvanized steel 3" strut attached with two 1/4" x 3/4" screws per stile or hinge plate.



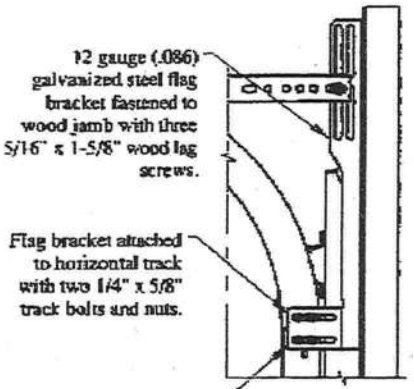
12 gauge (.102) galvanized steel bottom bracket manufactured by C.H.I. Each bracket attached with four red 1/4" x 3/4" screws.

Vinyl weatherstrip

push nut

Aluminum extrusion

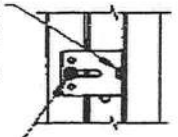
Details on some views may have been omitted for clarity.



12 gauge (.086) galvanized steel flag bracket fastened to wood jamb with three 5/16" x 1-5/8" wood lag screws.

Flag bracket attached to horizontal track with two 1/4" x 5/8" track bolts and nuts.

Flag bracket attached to vertical track with two 1/4" x 5/8" track bolts and nuts.



12 gauge (.095) galvanized steel track bracket fastened to wood jamb with one 5/16" x 1-5/8" wood lag screw per bracket.

Each track bracket attached with one 1/4" x 5/8" track bolt and nut. Or two 1/4" x 11/32" rivets.

Design Load: 18.5 pos / 20.7 neg
Test Load: 27.8 pos / 31.1 neg
page 2 of 2

Professional Engineer's seal provided only for verification of windload construction details

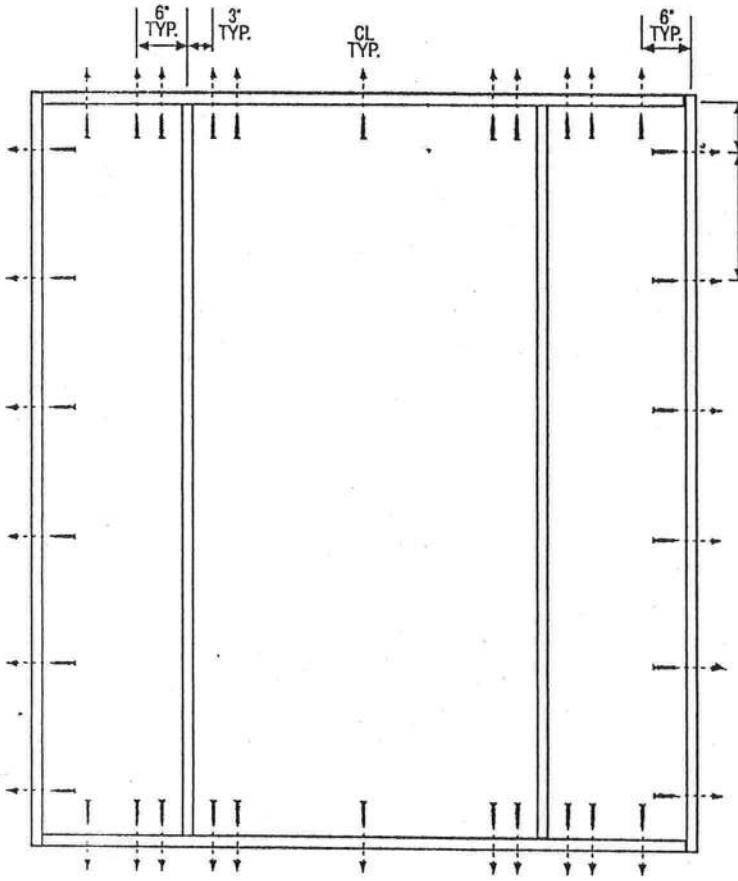
John E. Scates, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. #51737

C.H.I. SCALE nts
DATE 10-25-2005
Model 2250/51 (16'-0" wide)
C.H.I. Drawing: Z3-1607-01100

OXO
Unit

MID-WL-MA0004-02

SINGLE DOOR WITH 2 SIDELITES



Minimum Fastener Count

- 6 per vertical framing member
- 11 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylinderical and deadlock hardware be installed.

Notes:

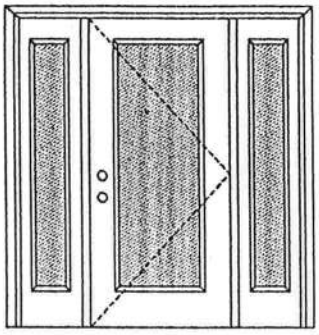
1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

OXO
Glazed Inswing Unit

COP-WL-JH4144-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Single Door with 2 Sidelites
Maximum unit size = 9'0" x 6'8"

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0004-02 or MAD-WL-MA0007-02 and MAD-WL-MA0041-02.

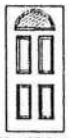
MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0004-02.

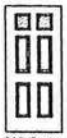
APPROVED DOOR STYLES:

1/4 GLASS:


130 Series


133, 135 Series

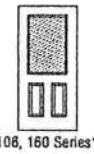

136 Series

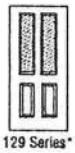

680 Series

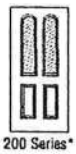

822 Series

1/2 GLASS:


105 Series*


106, 160 Series*


129 Series*


200 Series*


12 R/L, 23 R/L, 24 R/L Series*


107 Series*


108 Series


304 Series

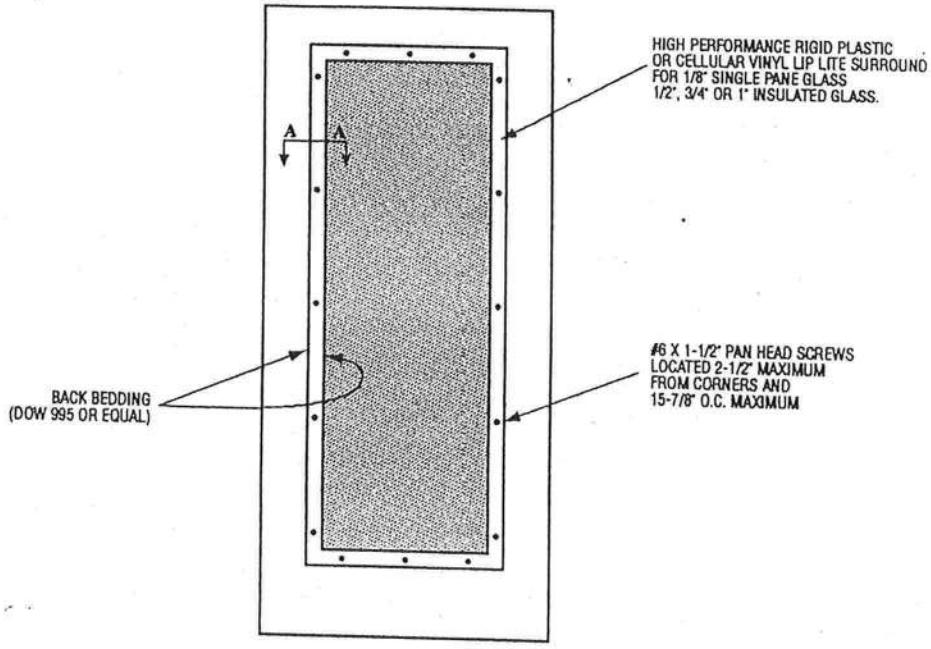
*This glass may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson™ EntrySystems

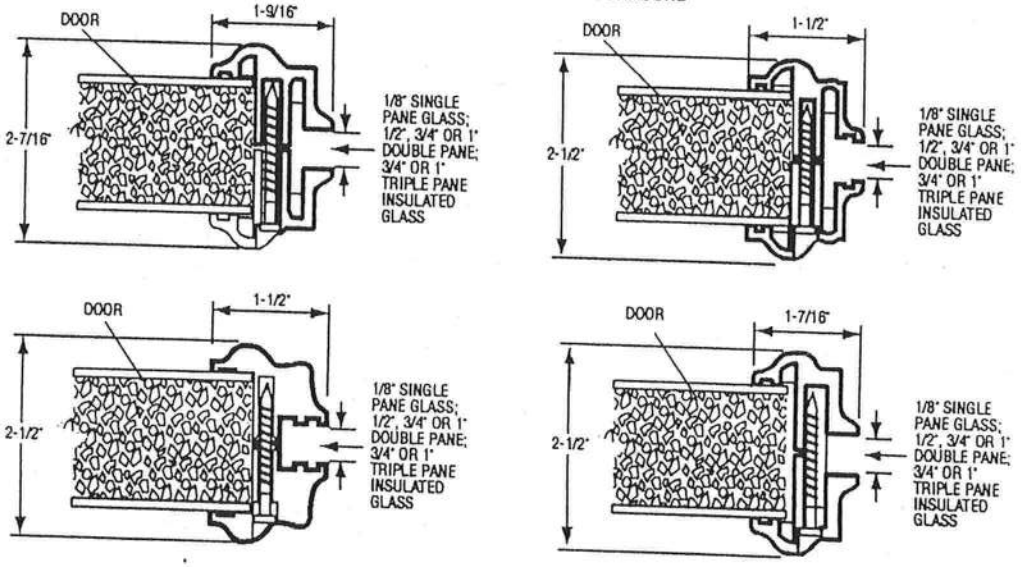
March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection Premium Quality Doors
Exclusively from Masonite®
Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



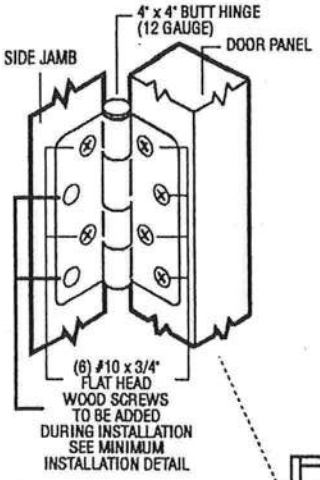
SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND



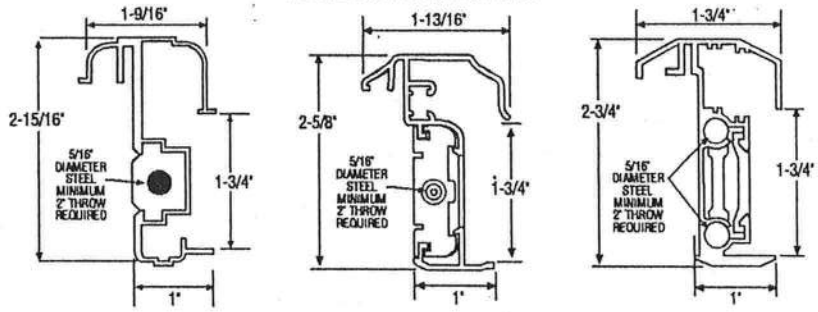
March 29, 2002

INSWING UNIT WITH DOUBLE DOOR

TYPICAL HINGE ATTACHMENT

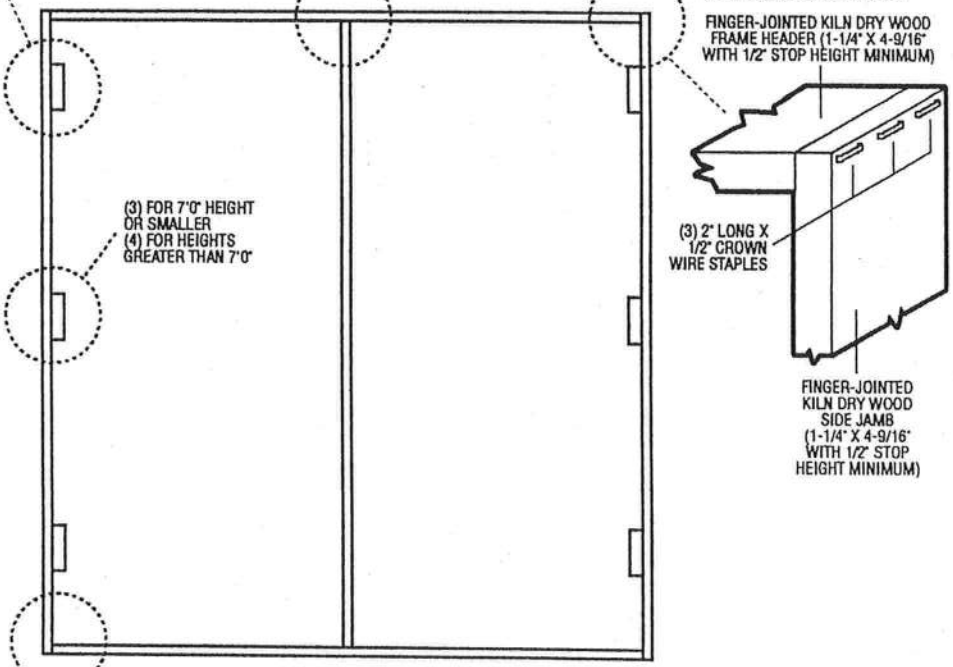


TYPICAL ASTRAGAL PROFILES

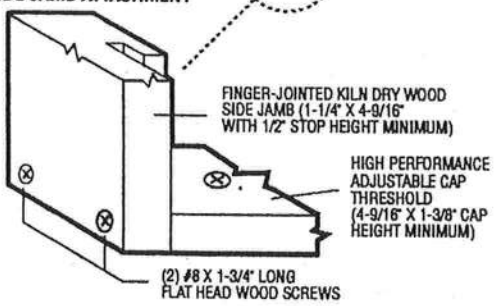


ALUMINUM EXTRUDED ASTRAGAL (0.06" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDERICAL/DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS – LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.

TYPICAL HEADER & SIDE JAMB ATTACHMENT



TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT

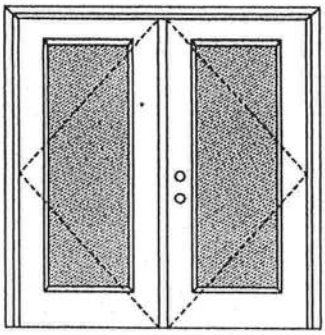


XX
Glazed Inswing Unit

COP-WL-JH4142-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Double Door
Maximum unit size = 6'0" x 6'8"

Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0002-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series

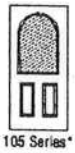

133, 135 Series

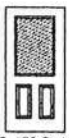

136 Series

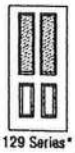

680 Series


822 Series

1/2 GLASS:


105 Series*


106, 160 Series*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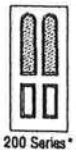
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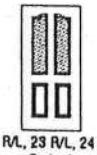
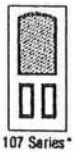

12 R/L, 23 R/L, 24 R/L Series*


107 Series*


108 Series


304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson™ EntrySystems

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection Premium Quality Doors
Exclusively from Masonite
Masonite International Corporation

TAMKO®
ROOFING PRODUCTS

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

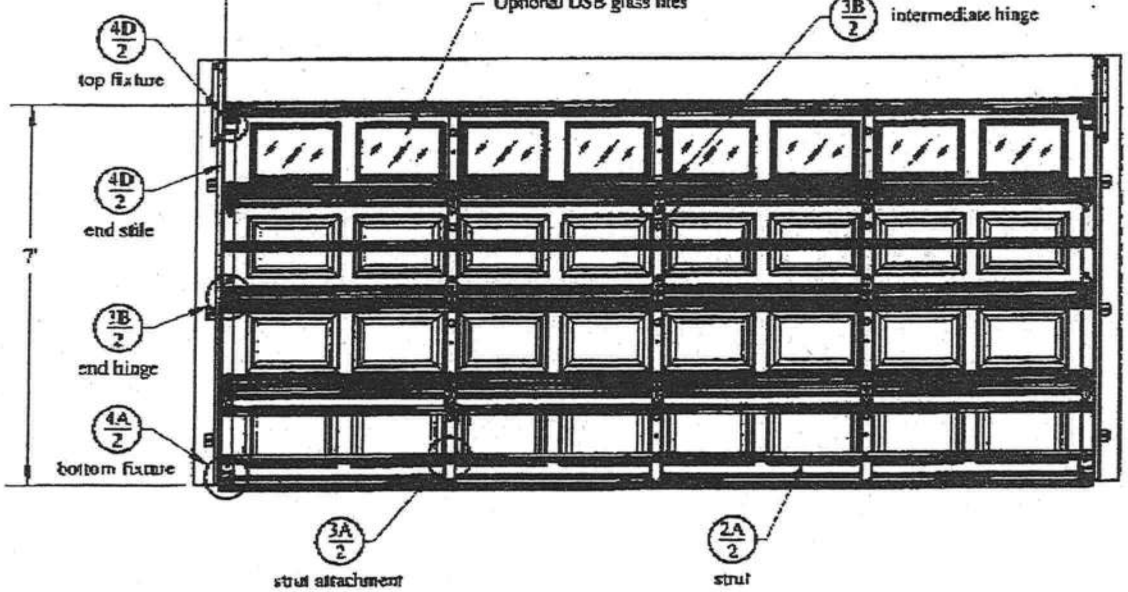
All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

TAMKO Roofing Products, Inc.

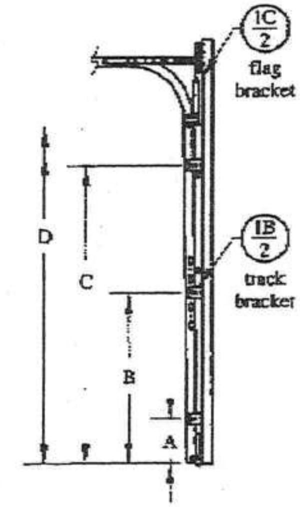
2300 35th STREET P.O. BOX 2149 TUSCALOOSA, AL 35403-2149 205-752-3555 FAX

Door Model	Gauge	Decimal
2250/2251	25	.0185
4250/4251	25	.0185
2240/2241	24	.0225
4340/4241	24	.0225
5240/5241	24	.0225



door height	section quantity	strut quantity	trk brkt per side
6'-6" to 7'-0"	4	7	3
7'-6" to 8'-0"	5	8	4
8'-3" to 8'-9"	5	9	4
9'-0" to 10'-6"	6	11	5
10'-9" to 12'-3"	7	13	6
12'-6" to 14'-0"	8	15	7

Refer to Supplemental Instructions for strut placement on doors over 7'-0" high



Track Bracket Chart

track brackets	door height 6'-6"	6'-9"	7'-0"	7'-6"	7'-9"	8'-0"	8'-3"	8'-6"	8'-9"
D	n/a	n/a	n/a	72"	69"	72"	81"	84"	87"
C	60"	63"	66"	58"	55"	58"	60"	63"	66"
B	35"	35"	38"	34"	31"	34"	32"	35"	38"
A	10"	7"	10"	10"	7"	10"	4"	7"	10"

Track bracket locations shown above are for doors up to five sections high. Additional door sections may be added for a maximum door height of 14'-0". One track bracket (per track) must be added for each section and spaced at a distance not greater than the corresponding section height.

This door has been tested in accordance with ANSI/DASMA 108-2002
Design Pressure (DP): 18.5 pos / 20.7 neg
Test Pressure (TP): 27.8 pos / 31.1 neg

Per 2004 FBC Table 1609.6E, DP meets or exceeds basic wind speed of:
V = 110 MPH for Exposure B and mean roof height of 30' or less
V = 93 MPH for Exposure C and mean roof height of 30' or less

Maximum door size: 16'-0" wide by 14'-0" tall

Glazing and door have not been tested for windborne debris.

Wood buck and supporting structural elements shall be designed by a registered professional engineer for wind loads shown on this drawing.

If door is not electrically operated, a lock must be installed.

Professional Engineer's seal provided only for verification of windload construction details

John B. Scates, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. #51737

FL 5519

C.H.I.
nts
10-25-2005
Model 2250/51 (16'-0" wide)
C.H.I. Drawing: Z3-1607-01100

Method "B" Vinyl Window Installation

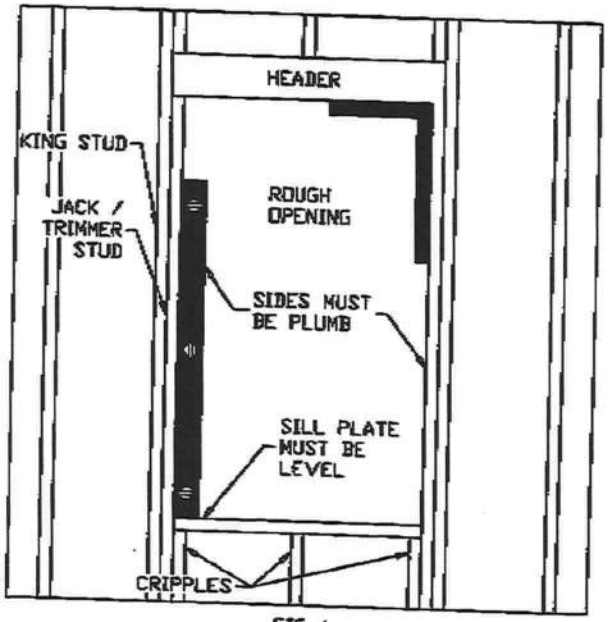


FIG. 1
(INTERIOR VIEW)

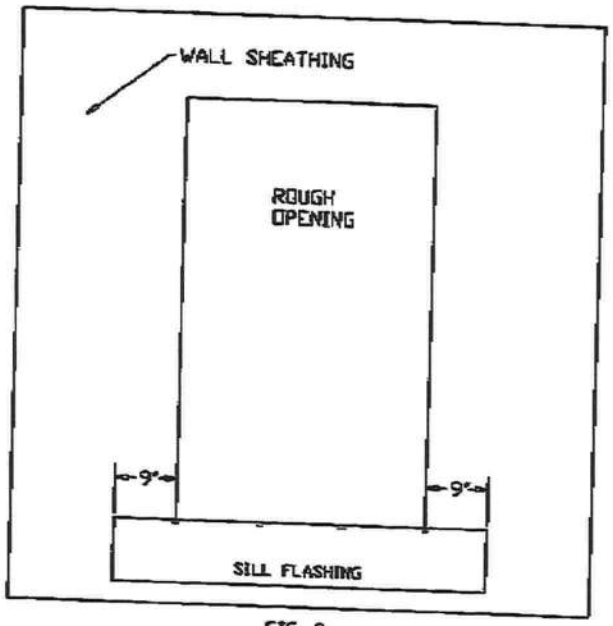


FIG. 2
(EXTERIOR VIEW)

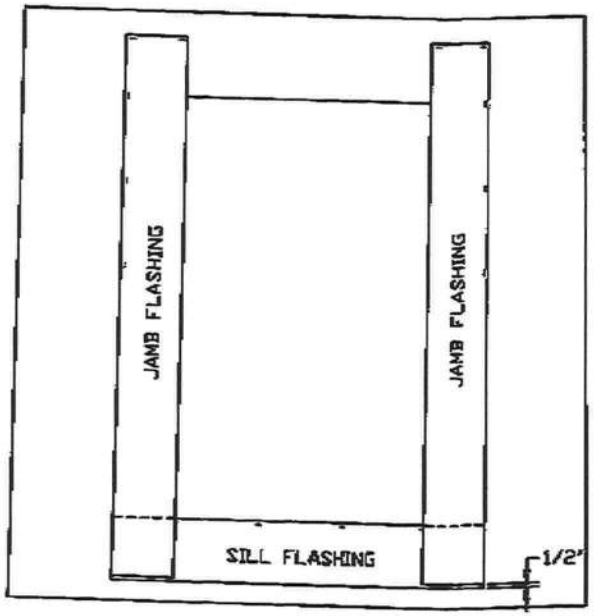


FIG. 3
(EXTERIOR VIEW)

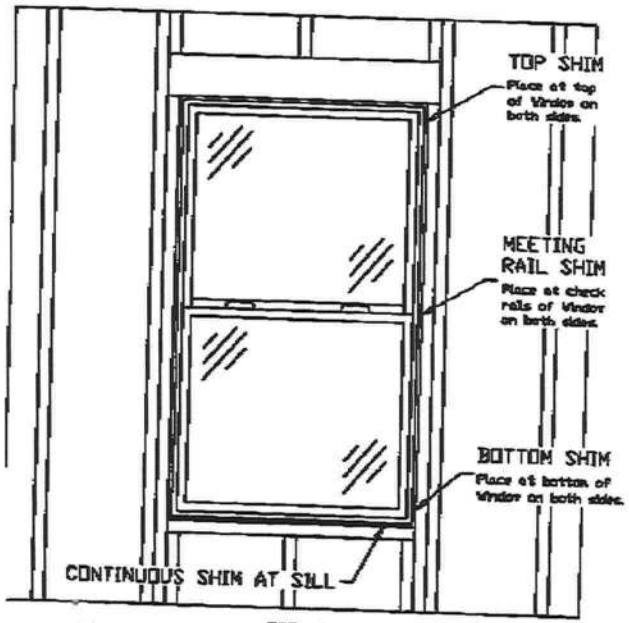


FIG. 4
(INTERIOR VIEW)

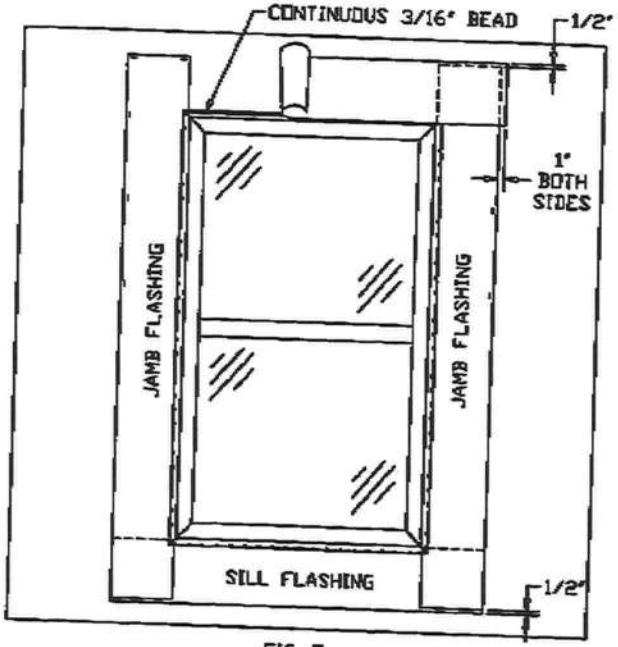


FIG. 5
(EXTERIOR VIEW)

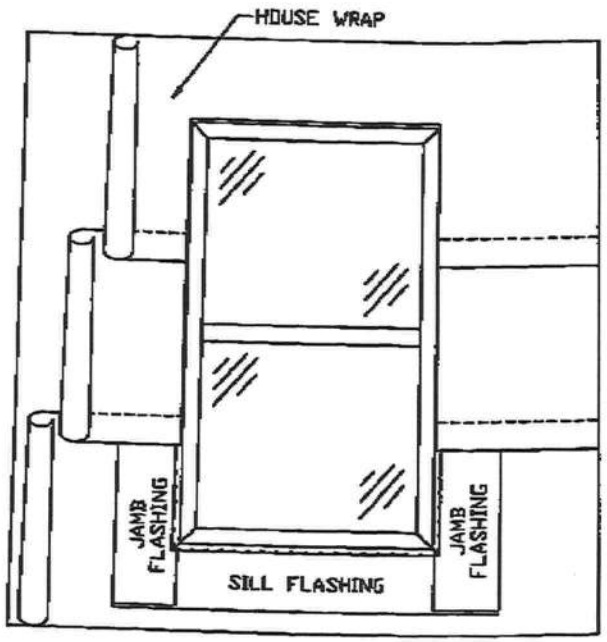


FIG. 6

alenco

VINYL WINDOW INSTALLATION INSTRUCTIONS - METHOD "B"

Before you start. . . . read these instructions.

Important: This Window Unit has been engineered and manufactured to provide superior weather protection and service in accordance with its rating. The manufacturer strongly recommends the unit be INSTALLED PER THE INSTRUCTIONS printed below. The manufacturer disclaims any responsibility for air or water leakage above, under or around the Window(s) Unit. DO NOT PAINT any part of this Unit for any reason! Painting will null and void all warranties.

The following tools and accessories are recommended for this installation:
CARPENTER'S HAMMER, LEVEL (3' or longer), 1 ¾" CORROSION RESISTANT ROOFING NAILS, SHIMS, SEALANT, TAPE and FLASHING PAPER. Note: Sealant shall conform to Fed. Spec. TTs-S-00230C Type II Class, ASTM C920 Type S, Grade NS class 25, AAMA 808.3-92 exterior perimeter sealing compound. The flashing should be a flexible or adhesive type flashing and must be at least 9" in width. The flashing material must meet the minimum water resistance standards of ASTM-D779.

STEP 1 - Rough Opening Must Be Level, Plumb & Square. Carefully remove all packaging and parts from Unit. Make sure sash is closed and locked. Check your rough opening size. The width should be approximately ½" wider than the Unit and ½" taller (measure across the interior of frame – don't include the nailing fins when measuring). The opening at the sill plate ***must*** be level and sides ***must*** be square and plumb (Figure 1). Correct any problems before proceeding to the next step.

STEP 2 - Installing Window Unit using Method "B". This method requires the weather resistant barrier (house wrap) to be applied after installing the window. Also the sill and jamb flashing will be installed and the window set in the opening before the head flashing is applied.

1. Install sill (bottom) flashing paper as shown in Figure 2 leaving 9" on either side of the rough opening. Attach the flashing paper along the rough sill and between the jambs. **Do not** fasten the sill flashing along the bottom edge or anywhere on the 9" overlap on each end.
2. Install the jamb flashing so that it extends 8 ½" above and below the rough opening. The bottom the jamb flashing should over lap the sill flashing. **Do not** fasten the jamb flashing below the bottom half of the window to allow for the house wrap to be inserted under the jamb flashing (Figure 3).
3. **Place a continuous shim on the sill plate of the rough opening.** (Vinyl windows must have continuous support at the sill. Therefore, shims required to level the window at the sill must be continuous.)
4. **Place a 3/8" diameter continuous bead of sealant around the perimeter of the window on the inside of the nailing fin in line with the pre-punched holes.** This is for sealing the window's nailing fin to the sheathing or flashing.
5. Set the Window Unit upon the sill plate and into opening. Adjust left and right to center Unit in the opening (approximately ¼" space between window sides and the studs). Nailing fins must fit flat against wall and onto sealant.
6. "Tack Nail" the upper left or right corner of the unit and **check plumb and level.** Adjust if necessary.
7. Attach the opposite lower corner of the window and **check plumb and level.**
8. Shims shall be cut to exact thickness and must not bind or fall out. Jamb shims shall be evenly spaced where required for frame jamb support (Figure 4). A properly shimmed Window Unit shall measure the same across the head, jambs and sill. Do no remove shims after installation is complete!
9. Nail the jambs, head and sill with galvanized nails, 8" to 12" on center. Nail tight but do not "sink" nails. Sinking will cause the nailing fin to warp, split and break it's seal.
10. Apply a 3/8" diameter continuous bead of sealant across the nail fin of the head of the window directly over the nails used to attach the window to the header (Figure 5).
11. Attach the head flashing along the top edge making sure that each end extends past the jamb flashing by 1" on each end (Figure 5).
12. The house wrap can then be installed beginning at the base of the wall and working toward the top. At the sill of the unit, tuck the house wrap under the sill flashing and the loose ends of the jamb flashing (Figure 6).
13. Continue applying the house wrap toward the top placing the next layers over the jamb and head flashing (Figure 6).

STEP 3 - Final Caulk, *Required.* After siding, brick or other exterior material is in place, apply a continuous bead of sealant where exterior material (siding, brick, etc.) butts Window Unit. Note to masons, when brick or other masonry is used, be sure to leave ½" between bottom of windowsill and brick/masonry course to avoid "Brick Binding". Note: It is very important to properly seal at vertical mullion joints between the Window Units as well as horizontally mulled stack joints between the Window Units.

STEP 4 - Shim and Remove Shipping Materials, *Required.* Before insulating and trimming around the Window Unit interior, place shims on both sides at meeting rails (double and single hungs). These shims are needed to keep jambs from bowing. Shims shall be cut exact thickness and shall not bind or fall out. Use woven fiberglass insulation. **Do not use expandable foam insulation.**

Date Submitted	06/08/2005
Date Validated	06/13/2005
Date Pending FBC Approval	06/18/2005
Date Approved	06/29/2005

Summary of Products

FL #	Model, Number or Name	Description
1262.1	1101	Vinyl Fixed Window
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** 1101:72X72 R(45) Tested with 1/8" Tempered, 48X72 R(50)Tested with DS annealed. For smaller window sizes, glass to comply with ASTM E1300-02.		**Certification Agency Certificate** **Installation Instructions** PTID_1262_R1_I_FL INSTALLATION INSTRUCTIONS - Aluminum_B.pdf PTID_1262_R1_I_INSTALLATION INSTRUCTIONS - Vinyl_B.pdf Verified By:
1262.2	3701/3705	Aluminum Fixed Window
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** 3701/3705:48X72 R(45) Tested with DS annealed glass. For smaller window sizes, glass to comply with ASTM E1300-02.		**Certification Agency Certificate** **Installation Instructions** Verified By:

Back Next

Date Submitted	06/08/2005
Date Validated	08/04/2005
Date Pending FBC Approval	06/18/2005
Date Approved	08/05/2005

Summary of Products

FL #	Model, Number or Name	Description
1214.1	1111	Vinyl Tilt Single Hung
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** 1111: 48X72 R(35) Tested with DS annealed,44X72 R(40)Tested with SS annealed. For smaller window sizes, glass to comply with ASTM E1300-02.		**Certification Agency Certificate** **Installation Instructions** PTID_1214_R1_I_FL_INSTALLATION INSTRUCTIONS - Aluminum_B.pdf PTID_1214_R1_I_INSTALLATION INSTRUCTIONS - Vinyl_B.pdf Verified By:
1214.2	3753	Aluminum Tilt Single Hung
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** 3753:44X72 R(40) Tested with Tested with DS annealed.For smaller window sizes, glass to comply with.ASTM E1300-02.		**Certification Agency Certificate** **Installation Instructions** Verified By:
1214.3	4710F	Aluminum Single Hung
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** 4710F:48X72 R(40)/DP(50), Tested with DS annealed glass.For smaller window sizes, glass to comply with ASTM E1300-02.		**Certification Agency Certificate** **Installation Instructions** Verified By:

Back Next

Mark Disosway, P.E.
POB 868, Lake City, FL 32056, Ph 386-754-5419, Fax 386-269-4871

April 13, 2007

Building and Zoning, Columbia County, Florida

Re: Site Evaluation, Milton Builders, Rowland Residence, 23-3S-16-02272-107, Columbia County, FL

Dear Building Inspector:

The elevation of the finished floor, 143', as stated by builder, is clearly less than one foot above the elevation of the county road, Lakewood Dr at a point immediately in front of the house.

Based on topo maps, FEMA Flood Insurance Rate Map, and visual inspection the proposed finished floor elevation is at an adequate elevation to avoid flooding.

Flood Zone of Home Site: Zone X; Based on the FEMA rate map and survey by Mark Duren, WO#07-130, March 14, 2007, attached.

Home Site Natural Grade, Elevation: about 138 - 140 ft; Based on topo map, attached.

Zone A flood zone immediately to southwest of home site, Elevation: about 138.2 ft; Based on plat of record and Duren survey, attached.

Proposed Finished Floor Elevation: 143', refer to benchmark at 143'.

Observations: This house is higher, about 5 ft, than nearby isolated flood Zone A established by plat of record for this subdivision. There is clearly continuous slope drainage to this isolated flood zone. This area seems to rely on infiltration of water into the ground more than runoff to a river.

The finished floor elevation must be minimum 6" above finished grade per FBC2004. The finished grade should slope down from that elevation for another 6" within 12 feet away from the house in all directions so that all runoff drains away from the house. The owner must maintain the swales, slopes, and ditch to provide free drainage to the ditch and prevent any possibility of storm water backing up into the house.

The owner should be aware that if free drainage is not maintained thru fields and across roads and thru culverts to the lake, or if future development in the area causes increased storm water run off, or if rainfall occurs with greater flooding effect than the design storm, the level of the nearby Zone A could rise higher than anticipated and his house would be more susceptible to flooding.

Sincerely,

13APR07

Mark Disosway, PE

" 25766

R403.1 General.

All exterior walls shall be supported on continuous solid or fully grouted masonry or concrete footings, wood foundations, or other approved structural systems which shall be of sufficient design to accommodate all loads according to Section R301 and to transmit the resulting loads to the soil within the limitations as determined from the character of the soil. Footings shall be supported on undisturbed natural soils or engineered fill.

R403.1.1 Minimum size.

Minimum sizes for concrete and masonry footings shall be as set forth in Table R403.1 and Figure R403.1(1). The footing width, W, shall be based on the load-bearing value of the soil in accordance with Table R401.4.1. Spread footings shall be at least 6 inches (152 mm) in thickness. Footing projections, P, shall be at least 2 inches (51 mm) and shall not exceed the thickness of the footing. The size of footings supporting piers and columns shall be based on the tributary load and allowable soil pressure in accordance with Table R401.4.1. Footings for wood foundations shall be in accordance with the details set forth in Section R403.2, and Figures R403.1(2) and R403.1(3).

R403.1.4 Minimum depth.

All exterior footings shall be placed at least 12 inches (305 mm) below the undisturbed ground surface.

R403.1.5 Slope.

The top surface of footings shall be level. The bottom surface of footings shall not have a slope exceeding one unit vertical in 10 units horizontal (10-percent slope). Footings shall be stepped where it is necessary to change the elevation of the top surface of the footings or where the slope of the bottom surface of the footings will exceed one unit vertical in ten units horizontal (10-percent slope).

R403.1.6 Foundation anchorage.

When braced wall panels are supported directly on continuous foundations, the wall wood sill plate or cold-formed steel bottom track shall be anchored to the foundation in accordance with this section.

The wood sole plate at exterior walls on monolithic slabs and wood sill plate shall be anchored to the foundation with anchor bolts spaced a maximum of 6 feet (1829 mm) on center. There shall be a minimum of two bolts per plate section with one bolt located not more than 12 inches (305 mm) or less than seven bolt diameters from each end of the plate section. Bolts shall be at least ½ inch (12.7 mm) in diameter and shall extend a minimum of 7 inches (178 mm) into masonry or concrete. Interior bearing wall sole plates on monolithic slab foundations shall be positively anchored with approved fasteners. A nut and washer shall be tightened on each bolt to the plate. Sills and sole plates shall be protected against decay and termites where required by Sections R319 and R320. Cold-formed steel framing systems shall be fastened to the wood sill plates or anchored directly to the foundation as required in Section R505.3.1 or R603.1.1.

Exception: Foundation anchor straps, spaced as required to provide equivalent anchorage to ½-inch-diameter (12.7 mm) anchor bolts.

R403.1.6.1 Reserved.

R403.1.7 Footings on or adjacent to slopes.

The placement of buildings and structures on or adjacent to slopes steeper than 1 unit vertical in 3 units horizontal (33.3-percent slope) shall conform to Sections R403.1.7.1 through R403.1.7.4.

R403.1.7.1 Building clearances from ascending slopes.

In general, buildings below slopes shall be set a sufficient distance from the slope to provide protection from slope drainage, erosion and shallow failures. Except as provided in Section R403.1.7.4 and Figure R403.1.7.1, the following criteria will be assumed to provide this protection. Where the existing slope is steeper than one unit vertical in one unit horizontal (100-percent slope), the toe of the slope shall be assumed to be at the intersection of a horizontal plane drawn from the top of the foundation and a plane drawn tangent to the slope at an angle of 45 degrees (0.79 rad) to the horizontal. Where a retaining wall is constructed at the toe of the slope, the height of the slope shall be measured from the top of the wall to the top of the slope.

R403.1.7.2 Footing setback from descending slope surfaces.

Footings on or adjacent to slope surfaces shall be founded in material with an embedment and setback from the slope surface sufficient to provide vertical and lateral support for the footing without detrimental settlement. Except as provided for in Section R403.1.7.4 and Figure R403.1.7.1, the following setback is deemed adequate to meet the criteria. Where the slope is steeper than one unit vertical in one unit horizontal (100-percent slope), the required setback shall be measured from an imaginary plane 45 degrees (0.79 rad) to the horizontal, projected upward from the toe of the slope.

R403.1.7.3 Foundation elevation.

On graded sites, the top of any exterior foundation shall extend above the elevation of the street gutter at point of discharge or the inlet of an approved drainage device a minimum of 12 inches (305 mm) plus 2 percent. Alternate elevations are permitted subject to the approval of the building official, provided it can be demonstrated that required drainage to the point of discharge and away from the structure is provided at all locations on the site.

R403.1.7.4 Alternate setback and clearances.

Alternate setbacks and clearances are permitted, subject to the approval of the building official. The building official is permitted to require an investigation and recommendation of a qualified engineer to demonstrate that the intent of this section has been satisfied. Such an investigation shall include consideration of material, height of slope, slope gradient, load intensity and erosion characteristics of slope material.

R403.1.8 Foundations on expansive soils.

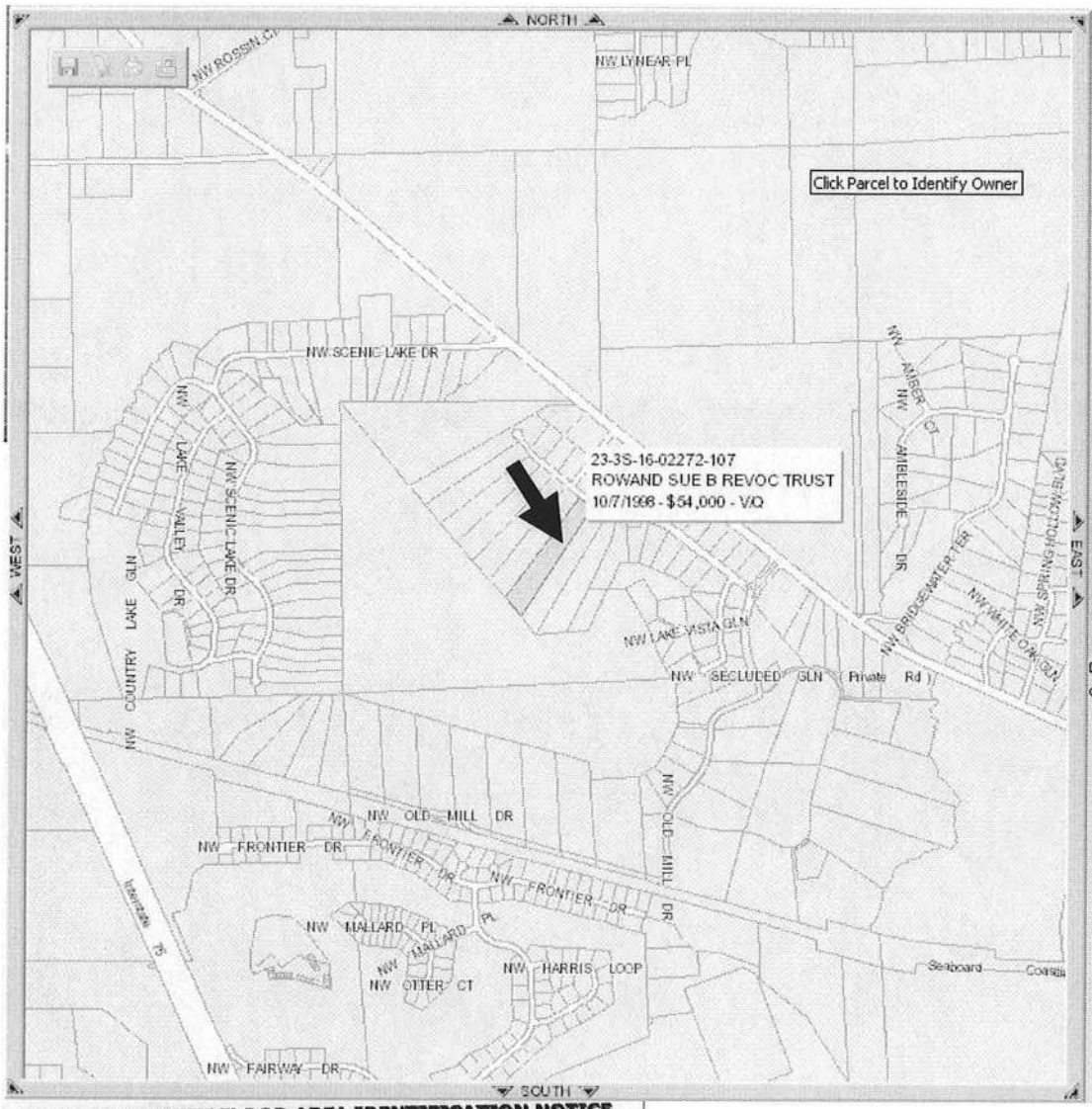
Foundation and floor slabs for buildings located on expansive soils shall be designed in accordance with Section 1805.8 of the Florida Building Code, Building.

Exception: Slab-on-ground and other foundation systems which have performed adequately in soil conditions similar to those encountered at the building site are permitted subject to the approval of the building official.

R403.1.8.1 Expansive soils classifications.

Soils meeting all four of the following provisions shall be considered expansive, except that tests to show compliance with Items 1, 2 and 3 shall not be required if the test prescribed in Item 4 is conducted:

1. Plasticity Index (PI) of 15 or greater, determined in accordance with ASTM D 4318.
2. More than 10 percent of the soil particles pass a No. 200 sieve (75 mm), determined in accordance with ASTM D 422.
3. More than 10 percent of the soil particles are less than 5 micrometers in size, determined in accordance with ASTM D 422.
4. Expansion Index greater than 20, determined in accordance with ASTM D 4829.



PIN	23-3S-16-02272-107
Use	VACANT (000000)
Yr.Blt	
Desc	

OWNER INFO	
Name	ROWAND SUE B REVOC TRUST
Site	LAKEWOOD ESTATES
Mail	142 SE ROWAND PL LAKE CITY, FL 32025

ASSESSMENT INFO	
LndVal	$75,000.00
AgVal	$0.00
BldVal	$0.00
ApriVal	$75,000.00
JustVal	$75,000.00
Assd	$75,000.00
Exmpt	$0.00
Taxable	$75,000.00

SALES INFO		
10/7/1998	$54,000.00	V / Q
3/30/1996	$45,000.00	V / Q

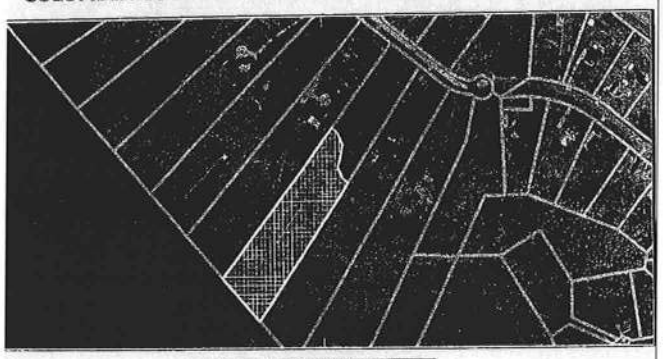
SEARCH RESULTS

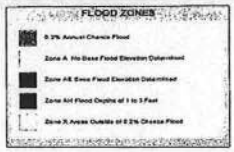
☑ Highlight Parcel
☑ Label Parcel
☑ Auto-Zoom Parcel

1 of 1

DB Last Updated: 4/11/2007
GIS Map Updated: 4/11/2007

COLUMBIA COUNTY FLOOD AREA IDENTIFICATION NOTICE

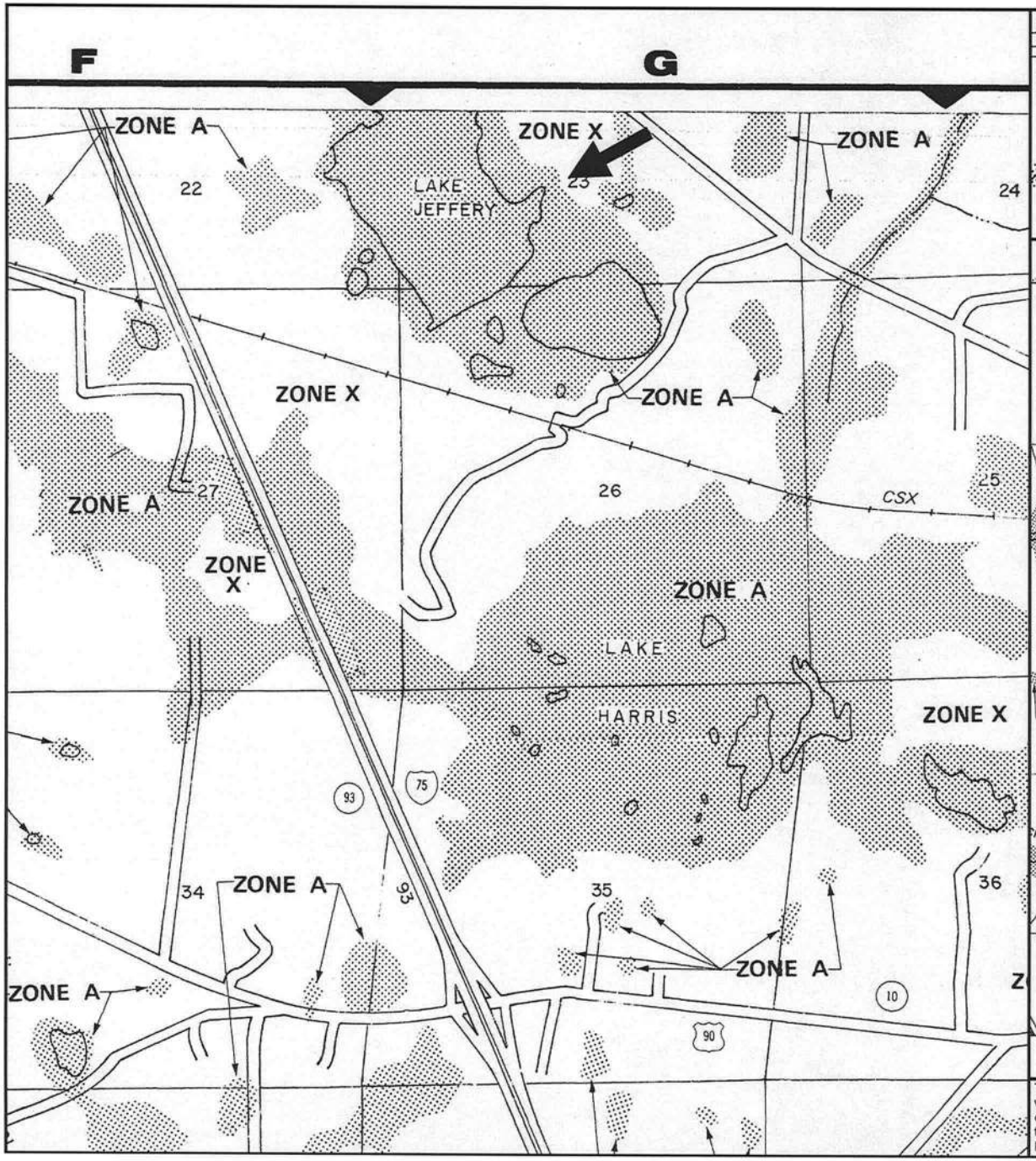


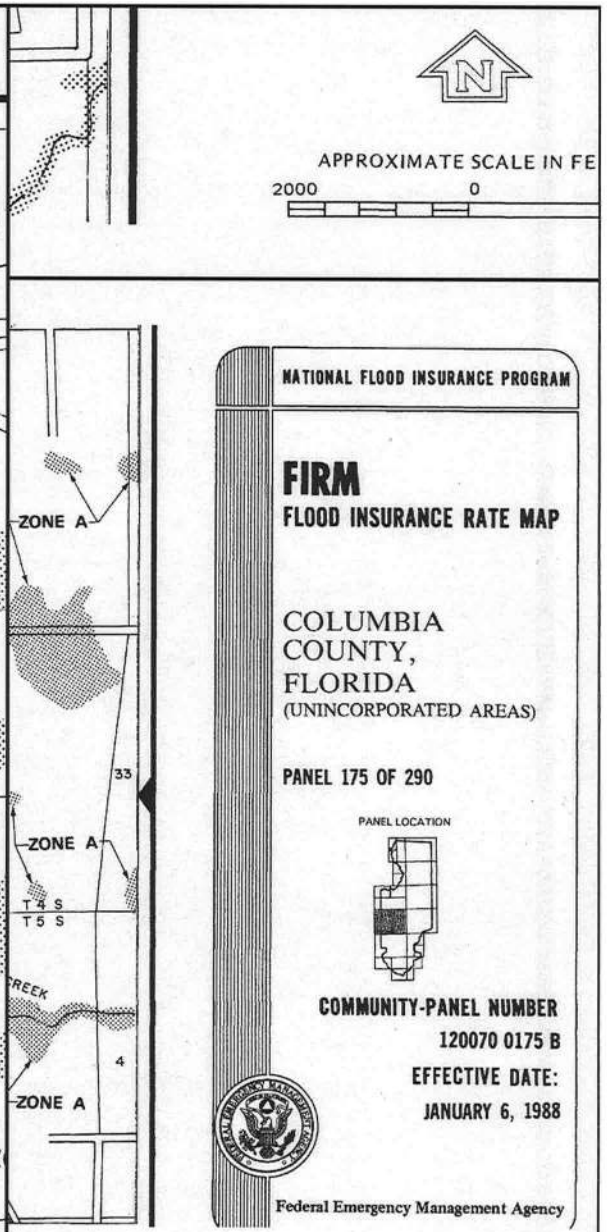


Parcel Number **02272-107** is shown in the aerial photograph above.

The shaded area'(s) have been designated by FEMA on the new FIRM (Flood Insurance Rate Map) as having the potential to flood. This document is provided as information to the property owner'(s).

Additional information about this program is provided on the reverse side of this document.





NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

COLUMBIA COUNTY, FLORIDA
(UNINCORPORATED AREAS)

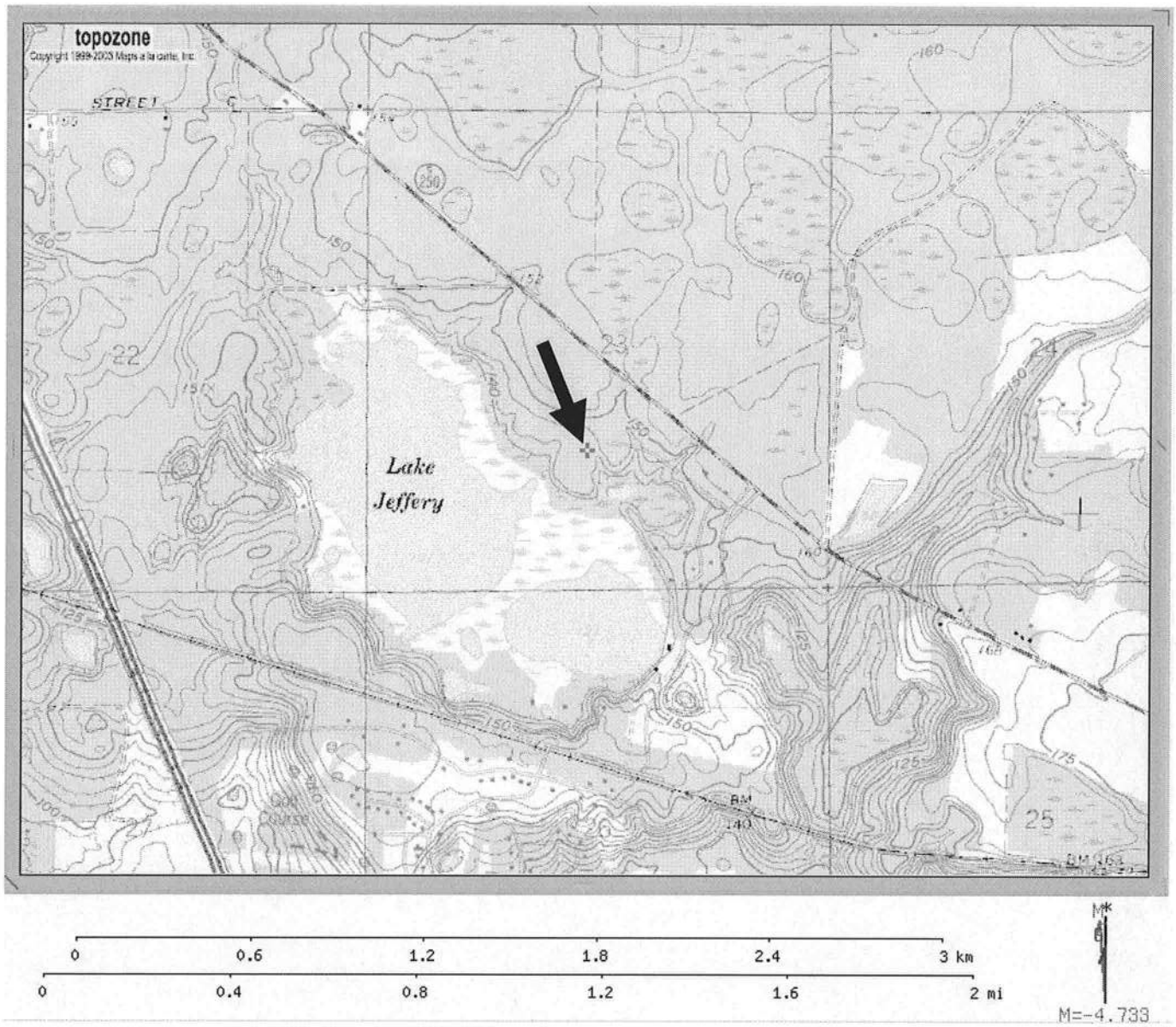
PANEL 175 OF 290

PANEL LOCATION

COMMUNITY-PANEL NUMBER
120070 0175 B

EFFECTIVE DATE:
JANUARY 6, 1988

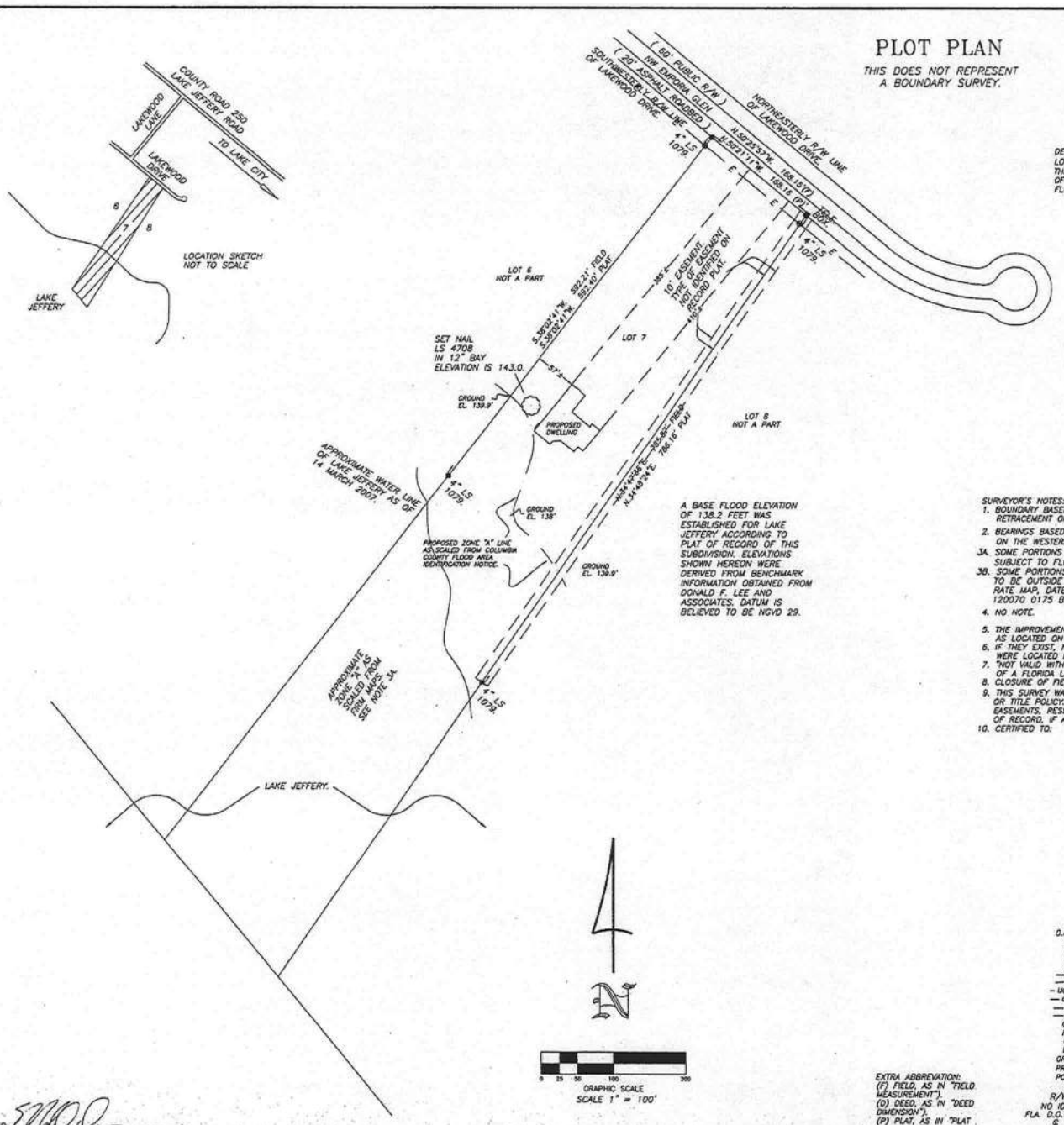
Federal Emergency Management Agency


topozone
Copyright 1999-2003 Maps a la carte, Inc.
STREET
Lake
Jeffery
22
24
25
0
0.6
1.2
1.8
2.4
3 km
0
0.4
0.8
1.2
1.6
2 mi
M=-4.733

PLOT PLAN

THIS DOES NOT REPRESENT A BOUNDARY SURVEY.

PLOT PLAN
IN SECTION 23,
TOWNSHIP 3 SOUTH,
RANGE 16 EAST.
COLUMBIA COUNTY, FLA.



DESCRIPTION:
LOT 7 OF "LAKEWOOD ESTATES" AS PER PLAT THEREOF RECORDED IN PLAT BOOK 6, PAGE 63, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

A BASE FLOOD ELEVATION OF 138.2 FEET WAS ESTABLISHED FOR LAKE JEFFERY ACCORDING TO PLAT OF RECORD OF THIS SUBDIVISION. ELEVATIONS SHOWN HEREON WERE DERIVED FROM BENCHMARK INFORMATION OBTAINED FROM DONALD F. LEE AND ASSOCIATES. DATUM IS BELIEVED TO BE NGVD 29.

SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND. IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY FOR SAID PLAT OF RECORD.
2. BEARINGS BASED ON DEED OF RECORD USING MONUMENTS FOUND ON THE WESTERLY LINE OF SAID LOT 7.
3A. SOME PORTIONS OF THIS PARCEL ARE IN ZONE "A" AND MAY BE SUBJECT TO FLOODING.
3B. SOME PORTIONS OF THIS PARCEL ARE IN ZONE "X" AND ARE DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD INSURANCE RATE MAP, DATED 6 JANUARY 1988, COMMUNITY PANEL NO. 120070 0175 B.
4. NO NOTE.
5. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
6. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
7. "NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER."
8. CLOSURE OF FIELD SURVEY IS BETTER THAN 1/7500.
9. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR TITLE POLICY; THEREFORE EXCEPTION IS MADE HEREON REGARDING EASEMENTS, RESERVATIONS, RESTRICTIONS, AND/OR TITLE CONFLICTS OF RECORD, IF ANY, NOT PROVIDED BY THE CLIENT OR HIS AGENTS.
10. CERTIFIED TO:

SYMBOL LEGEND

O.R.I.	OFFICIAL RECORD INSTRUMENT
●	CONCRETE MONUMENT FOUND
⊙	CONCRETE MONUMENT SET, LS 4708
●	IRON PIN OR PIPE FOUND
○	5/8" IRON ROD SET, LS 4708
—x—	WIRE FENCE
—(—	ELECTRIC UTILITY LINE (OVERHEAD)
– UGE –	UNDERGROUND ELECTRIC SERVICE
— CTV —	CABLE TV LINE (OVERHEAD)
—o—	CHAIN LINK FENCE
—+—	WOODEN FENCE
CMP	CORRUGATED METAL PIPE
RCP	REINFORCED CONCRETE PIPE
LS	LAND SURVEYOR
LB	LICENSED BUSINESS
ORB	OFFICIAL RECORD BOOK
PRM	PERMANENT REFERENCE MONUMENT
PCP	PERMANENT CONTROL POINT
⊗	UTILITY POLE
R/W	RIGHT-OF-WAY
NO ID.	NO IDENTIFICATION
FLA. D.O.T.	FLA. DEPT. OF TRANSPORTATION
℄	CENTERLINE
C.M.	CONCRETE MONUMENT
I.R.	IRON ROD
I.P.	IRON PIPE

EXTRA ABBREVIATION:
(F) FIELD, AS IN "FIELD MEASUREMENT".
(D) DEED, AS IN "DEED DIMENSION".
(P) PLAT, AS IN "PLAT DIMENSION".
(R) RECORD, AS IN "RECORD DIMENSION".

SIGNED:
MARK D. DUREN, LS 4708

MARK D. DUREN, P.S.M.
LS 4708

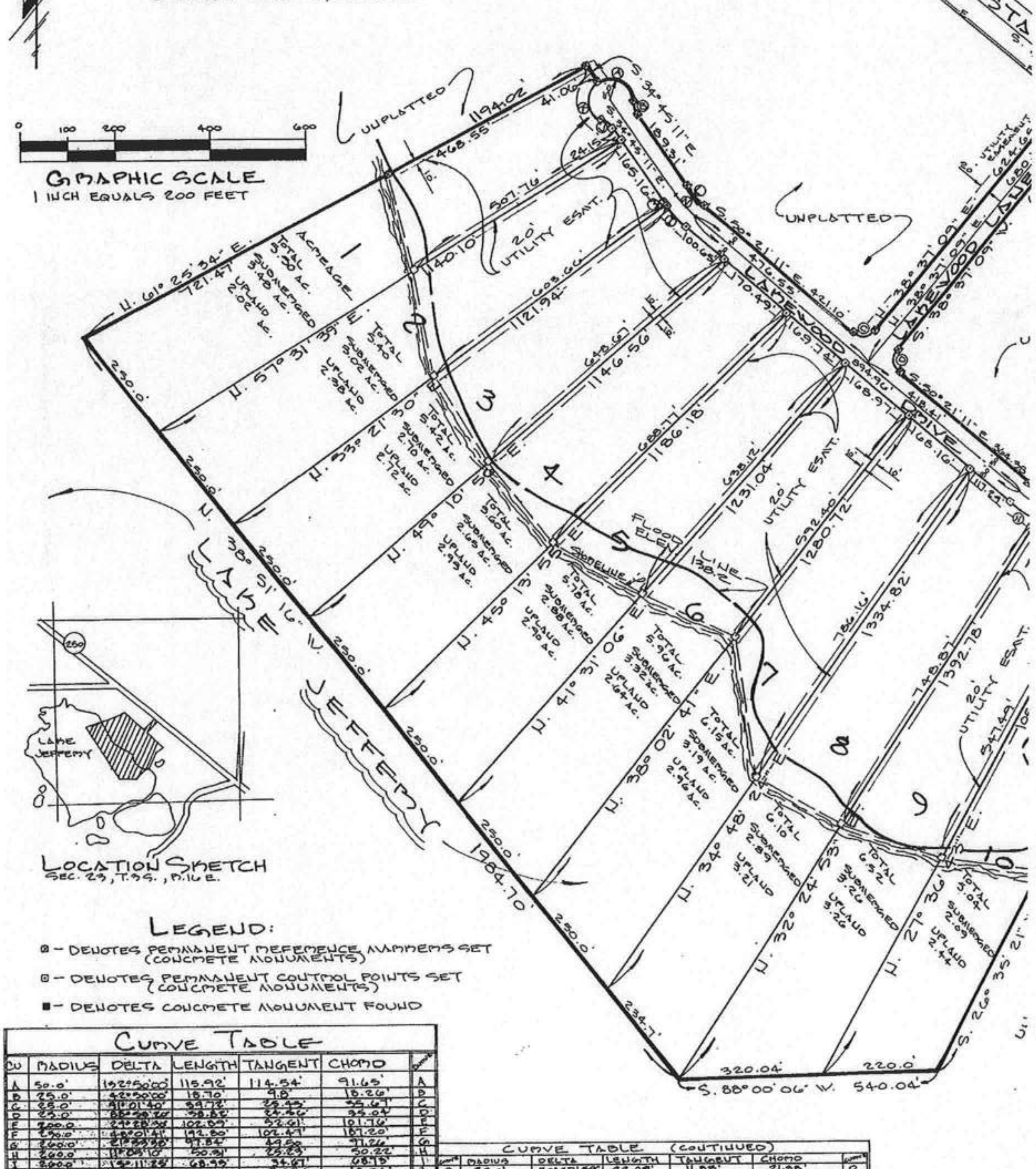
1604 SW SISTERS WELCOME ROAD
LAKE CITY, FLA. 32025
(386) 758-9831 OFFICE
(386) 758-8010 FAX

FIELD SURVEY DATE MARCH 8, 2007
DATE DRAWN MARCH 14, 2007
FOR MILTON

FIELD BOOK 174 PAGE 41
DRAWN BY M. DUREN/A. DYAL

WO# 07-130

PARTICULARLY DESCRIBED AS FOLLOWS: BEGIN AT THE [illegible] IN PLAT BOOK 5 PAGE 39 & 39A OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA AND RUN S 00° 21' 11" E ALONG THE WEST [illegible] 425.0 FEET; THENCE S. 89° 38' 49" W., 91.34 FEET; THENCE S. 26° 35' 21" W., 764.67 FEET; THENCE S. 88° 00' 06" W., 540.04 FEE[T] N. 38° 51' 16" W., 1984.70 FEET; THENCE N. 61° 25' 34" E., 1194.02 FEET; THENCE S. 34° 45' 11" E., 41.06 FEET TO A POINT ON [A CURVE] CONCAVE TO THE SOUTH HAVING A RADIUS OF 50.0 FEET AND AN INCLUDED ANGLE OF 132° 50' 00"; THENCE RUN ALONG SAID CURVE AN ARC DISTANCE OF 115.92 FEET TO THE POINT OF REVERSE CURVE (P.R.C.) OF A CURVE CONCAVE TO T[HE] HAVING A RADIUS OF 25.0 FEET AND AN INCLUDED ANGLE OF 42° 50' 00"; THENCE RUN ALONG THE ARC OF SAID CURVE AN AR[C] 18.70 FEET; THENCE S. 34° 45' 11" E., 189.31 FEET TO THE POINT OF CURVE (P.C.) OF A CURVE CONCAVE TO THE NORTHEAS[T] A RADIUS OF 200.0 FEET AND AN INCLUDED ANGLE OF 15° 36' 00"; THENCE RUN ALONG THE ARC OF SAID CURVE AN OF 54.45 FEET; THENCE S. 50° 21' 11" E., 421.10 FEET TO THE P.C. OF A CURVE CONCAVE TO THE NORTH HAVIN[G] OF 25.0 FEET AND AN INCLUDED ANGLE OF 91° 01' 40"; THENCE RUN ALONG THE ARC OF SAID CURVE AN ARC DISTANCE OF THENCE N. 38° 37' 09" E., 624.65 FEET TO THE SOUTHWESTERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. 250 (100' WID[E]) S. 50° 21' 11" E. ALONG SAID RIGHT-OF-WAY LINE, 60.0 FEET; THENCE S. 38° 37' 09" W., 625.54 FEET TO THE CURVE CONCAVE TO THE EAST HAVING A RADIUS OF 25.0 FEET AND AN INCLUDED ANGLE OF 88° 58' 20"; THENCE RU[N] THE ARC OF SAID CURVE AN ARC DISTANCE OF 38.82 FEET; THENCE S. 50° 21' 11" E. 364.38 FEET TO THE [P.C. OF A] CURVE CONCAVE TO THE NORTHEAST HAVING A RADIUS OF 200.0 FEET AND AN INCLUDED ANGLE OF 29° 28' 30"; ALONG THE ARC OF SAID CURVE AN ARC DISTANCE OF 102.89 FEET TO THE POINT OF COMPOUND CURVE (P.C.C.) O[F A CURVE] CONCAVE TO THE NORTH HAVING A RADIUS OF 25.0 FEET AND AN INCLUDED ANGLE OF 50° 37' 59"; THENCE RUN A[LONG] THE ARC OF SAID CURVE AN ARC DISTANCE OF 22.09 FEET TO THE P.R.C. OF A CURVE CONCAVE TO THE SOUTHWEST HAVING A RADIUS OF 50.0 FEET AND AN INCLUDED ANGLE OF 158° 03' 58"; THENCE RUN ALONG THE ARC OF SAID CURVE AN ARC DISTANCE OF 137.94; THENCE S. 58° 07' 05" E., 44.43 FEET TO THE POINT OF BEGINNING.
CONTAINING 60.55 ACRES MORE OR LESS.
COLUMBIA COUNTY, FLORIDA.



LEGEND:

⊗ – DENOTES PERMANENT REFERENCE MARKERS SET (CONCRETE MONUMENTS)

⊡ – DENOTES PERMANENT CONTROL POINTS SET (CONCRETE MONUMENTS)

■ – DENOTES CONCRETE MONUMENT FOUND

CURVE TABLE

CU	RADIUS	DELTA	LENGTH	TANGENT	CHORD	CURVE
A	50.0'	132°50'00"	115.92'	114.54'	91.65'	A
B	25.0'	42°50'00"	18.70'	9.8'	18.26'	B
C	25.0'	91°01'40"	39.72'	25.45'	35.67'	C
D	25.0'	88°58'20"	38.82'	24.56'	35.04'	D
E	200.0	29°28'30"	102.89'	52.61'	101.76'	E
F	250.0'	44°01'41"	192.80'	102.47'	187.20'	F
G	260.0'	21°33'30"	97.84'	49.50	97.26'	G
H	260.0'	11°05'10"	50.31'	25.23'	50.22'	H
I	260.0'	15°11'25"	68.95'	34.67'	68.75'	I
J	25.0'	42°50'00"	18.70'	9.81'	18.26'	J
K	50.0'	132°50'00"	115.92'	114.54'	91.65'	K
L	200.0'	15°36'00"	54.45'	27.40'	54.29	L
M	260.0'	00°25'33"	1.86'	0.93	1.86'	M
N	250.0'	15°36'00"	62.62'	31.51	62.43'	N

CURVE TABLE (CONTINUED)

CURVE	RADIUS	DELTA	LENGTH	TANGENT	CHORD	CURVE
O	25.0'	50°37'59"	22.09'	11.83'	21.38'	O
P	50.0'	158°03'58"	137.94'	238.02'	98.17	P
Q	50.0'	106°49'12"	93.22'	67.35'	80.29'	Q
R						R
S	25.0'	37°25'29"	16.33'	8.47'	16.04	S

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Phone Number 386-758-4507
Fax Number 386-754-7088

FAX TRANSMITTAL

To: Jay Milton

From: Joe Haltiwanger
Date Sent: 04/04/07

CC: Building permit application **0704-02**
Number of Pages: *Three pages* including the cover page
Fax: (386) 758-4507
Message: Reference to building permit application Number: **0704-02**
Sue Rowan single family dwelling

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: 0704-02

Jay Milton Contractor, Owner Sue Rowan Property ID# 23-3s-16-02272-107

On the date of April 4, 2007 application 0704-02 and plans for construction of single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0704-02 and when making reference to this application.

This is a plan review for compliance with the Florida Residential Code 2004 only and doesn't make any consideration toward the land use and zoning requirements.

1. The plans show an attached garage on the single family dwelling. The Florida Residential Building Code 2004 (FRBC) requires that the following code requirements be complied with.
    A. R309.1 Opening protection: Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 13/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 13/8 inches (35 mm) thick, or 20-minute fire-rated doors.

B. R309.1.1 Duct penetration: Ducts in the garage and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage (0.48 mm) sheet steel or other approved material and shall have no openings into the garage.

C. R309.2 Separation required: The garage shall be separated from the residence and its attic area by not less than ½-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch (15.9 mm) Type X gypsum board or equivalent. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than ½-inch (12.7 mm) gypsum board or equivalent.

2. The electrical plans shows the location of the electrical panel to be in the garage area, indicate the ampere rating of the electrical panel. Also show the location of the electrical service entrance. Please indicate on the electrical plan that an overcurrent protection device will be installed on the exterior of structures to serve as a disconnecting means. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

3. The electrical plans show the location of the smoke alarms, please indicate that section R313.1 of the FRBC: Smoke alarms, will be complied with. When more than one smoke alarm is required to be installed within an individual dwelling unit the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.

4. The electrical plans indicate that AVB protection for all plugs; please verify that all branch circuits supplying outlets within all bedrooms meet the requirements of the National Electrical Code article 210.12: all branch circuits supplying outlets installed within a bedroom shall be protected by Arc-Fault interrupter devices.

Thank You:

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ——— 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ———110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☒	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☒	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☒	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☒	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. *The following information must be shown as per section 1603.1.4 FBC* a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☒	☐	a) All sides
☒	☐	b) Roof pitch
☒	☐	c) Overhang dimensions and detail with attic ventilation

☒ N/A ☐ d) Location, size and height above roof of chimneys.
☒ N/A ☐ e) Location and size of skylights
☒ ☐ f) Building height
☒ ☐ e) Number of stories

Floor Plan including:

☒ ☐ a) Rooms labeled and dimensioned.
☒ ☐ b) Shear walls identified.
☒ ☐ c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (see attach forms).
☒ ☐ d) Show safety glazing of glass, where required by code.
☒ ☐ e) Identify egress windows in bedrooms, and size.
☒ ☐ f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, (Please circle applicable type).
☐ N/A ☐ g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
☒ ☐ h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

☒ ☐ a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
☒ ☐ b) All posts and/or column footing including size and reinforcing
☐ N/A ☐ c) Any special support required by soil analysis such as piling
☐ N/A ☐ d) Location of any vertical steel.

Roof System:

☒ ☐ a) Truss package including:
1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

☒ ☐ b) Conventional Framing Layout including:
1. Rafter size, species and spacing
2. Attachment to wall and uplift
3. Ridge beam sized and valley framing and support details
4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

☒ ☐ a) Masonry wall
1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. *All required connectors with uplift rating* and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.
6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termiticide or alternative method)
10. Slab on grade
    a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
    b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:

a. Attic space
b. Exterior wall cavity
c. Crawl space (if applicable)

☒ ☐ b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

☐ N/A ☐ c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

☒ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☐ N/A ☐ b) Floor joist size and spacing

☒ ☐ c) Girder size and spacing

☐ N/A ☐ d) Attachment of joist to girder

☒ ☐ e) Wind load requirements where applicable

☒ ☐ **Plumbing Fixture layout**

Electrical layout including:

☒ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☒ ☐ b) Ceiling fans

☒ ☐ c) Smoke detectors

☒ ☐ d) Service panel and sub-panel size and location(s)

☒ ☐ e) Meter location with type of service entrance (overhead or underground)

☒ ☐ f) Appliances and HVAC equipment

☒ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

☒ ☐ h) Exhaust fans in bathroom

HVAC information

☒ ☐ a) Energy Calculations (dimensions shall match plans)

☒ ☐ b) Manual J sizing equipment or equivalent computation

☒ ☐ c)Gas System Type (LP or Natural) Location and BTU demand of equipment

☐ N/A ☐ **Disclosure Statement for Owner Builders**

☒ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done**

☒ ☐ **Private Potable Water**

a) Size of pump motor
b) Size of pressure tank
c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 **(Toilet facilities shall be provided for construction workers)**

4. **City Approval: If the project is to be located within the city limits of the Town of Fort White**, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. **(386) 497-2321**

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is **$50.00**

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit **($25.00)** must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver **($50.00)**. All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**

7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Johnson	Steel ext	3026447A-001
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	[redacted] Alenco	Vinyl Single Hung	1214.1
B. ~~HORIZONTAL SLIDER~~			
C. CASEMENT			
D. FIXED	Alenco	Vinyl Fixed Window	1262.1
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
OSB sheathing	Langboard	OSB	PS2-92 PRP-135
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	Certainteed	Roof shingles	02-0110.03
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
nails	Senco	Roof Nail	PDM3378
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

J. [illegible]
APPLICANT SIGNATURE

3-22-07
DATE

R-1305 01-04

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1T4P8228Z0108132135

Truss Fabricator:	Anderson Truss Company
Job Identification:	7-041--Milton Builders ROWAN RES. -- , **
Truss Count:	61
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Versions 7.24, 7.25.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

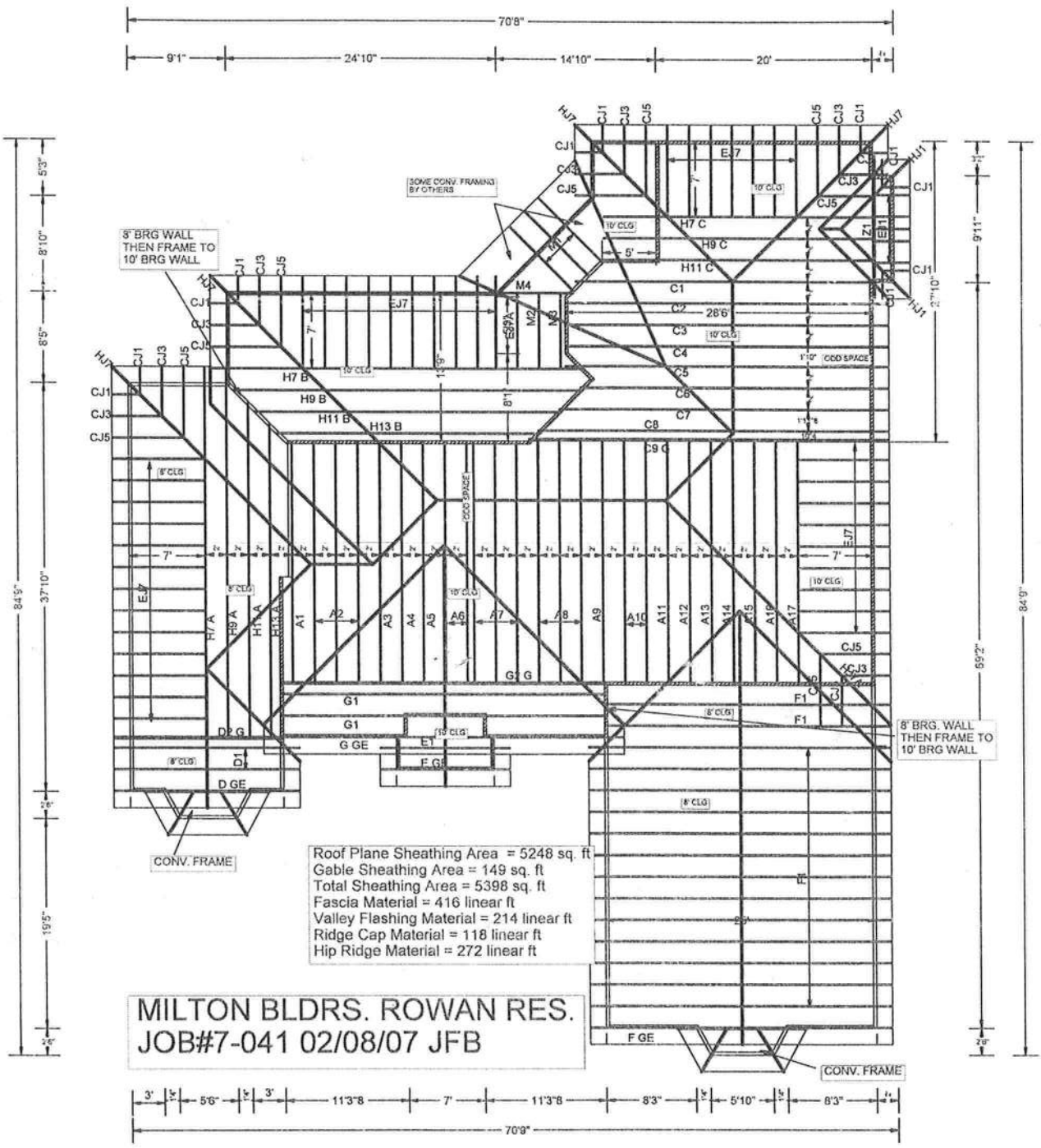
Seal Date: 02/08/2007

-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

Details: CNBRGBLK-BRCLBSUB-A11015EE-GBLLETIN-

#	Ref Description	Drawing#	Date
1	56331--H7 A	07039010	02/08/07
2	56332--A17	07039011	02/08/07
3	56333--H9 A	07039012	02/08/07
4	56334--H11 A	07039013	02/08/07
5	56335--H13 A	07039014	02/08/07
6	56336--A16	07039015	02/08/07
7	56337--A15	07039016	02/08/07
8	56338--A14	07039017	02/08/07
9	56339--A13	07039018	02/08/07
10	56340--A12	07039019	02/08/07
11	56341--A11	07039020	02/08/07
12	56342--A10	07039021	02/08/07
13	56343--A9	07039022	02/08/07
14	56344--A8	07039023	02/08/07
15	56345--A7	07039024	02/08/07
16	56346--A6	07039025	02/08/07
17	56347--A5	07039026	02/08/07
18	56348--A4	07039027	02/08/07
19	56349--A3	07039028	02/08/07
20	56350--A2	07039029	02/08/07
21	56351--A1	07039030	02/08/07
22	56352--H7 B	07039031	02/08/07
23	56353--H9 B	07039032	02/08/07
24	56354--H11 B	07039033	02/08/07
25	56355--H13 B	07039034	02/08/07
26	56356--H7 C	07039035	02/08/07
27	56357--H9 C	07039036	02/08/07
28	56358--H11 C	07039037	02/08/07
29	56359--C1	07039001	02/08/07
30	56360--C2	07039038	02/08/07
31	56361--C3	07039039	02/08/07
32	56362--C4	07039040	02/08/07
33	56363--C5	07039041	02/08/07
34	56364--C6	07039042	02/08/07
35	56365--C7	07039043	02/08/07
36	56366--C8	07039002	02/08/07

#	Ref Description	Drawing#	Date
37	56367--D GE	07039044	02/08/07
38	56368--D1	07039003	02/08/07
39	56369--E GE	07039045	02/08/07
40	56370--E1	07039004	02/08/07
41	56371--F1	07039046	02/08/07
42	56372--F GE	07039047	02/08/07
43	56373--D2 G	07039048	02/08/07
44	56374--G GE	07039049	02/08/07
45	56375--G1	07039005	02/08/07
46	56376--C9 G	07039050	02/08/07
47	56377--G2 G	07039051	02/08/07
48	56378--EJ7	07039006	02/08/07
49	56379--CJ5	07039061	02/08/07
50	56380--HJ7	07039052	02/08/07
51	56381--HJ7A	07039053	02/08/07
52	56382--CJ3	07039007	02/08/07
53	56383--CJ1	07039054	02/08/07
54	56384--HJ1	07039055	02/08/07
55	56385--EJ7A	07039008	02/08/07
56	56386--EJ1	07039009	02/08/07
57	56387--M4	07039056	02/08/07
58	56388--M2	07039057	02/08/07
59	56389--M3	07039058	02/08/07
60	56390--M1	07039059	02/08/07
61	56391--Z1	07039060	02/08/07



JOB DESCRIPTION:: Milton Builders
/: ROWAN RES.

JOB NO:
7-041

PAGE NO:
1 OF 1

(7-041--Milton Builders ROWAN RES. -- , ** - H7 A)

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
:T2 2x6 SP #1 Dense:
Bot chord 2x6 SP #1 Dense :B1 2x6 SP #2:
Webs 2x4 SP #3 :W9 2x4 SP #2 Dense:

Bearing blocks: Nail type: 12d_Common_(0.148"x3.25",_min.)_nails

BRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
1	0.000'	1	12"	4	Rigid Surface

Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 for additional information.

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

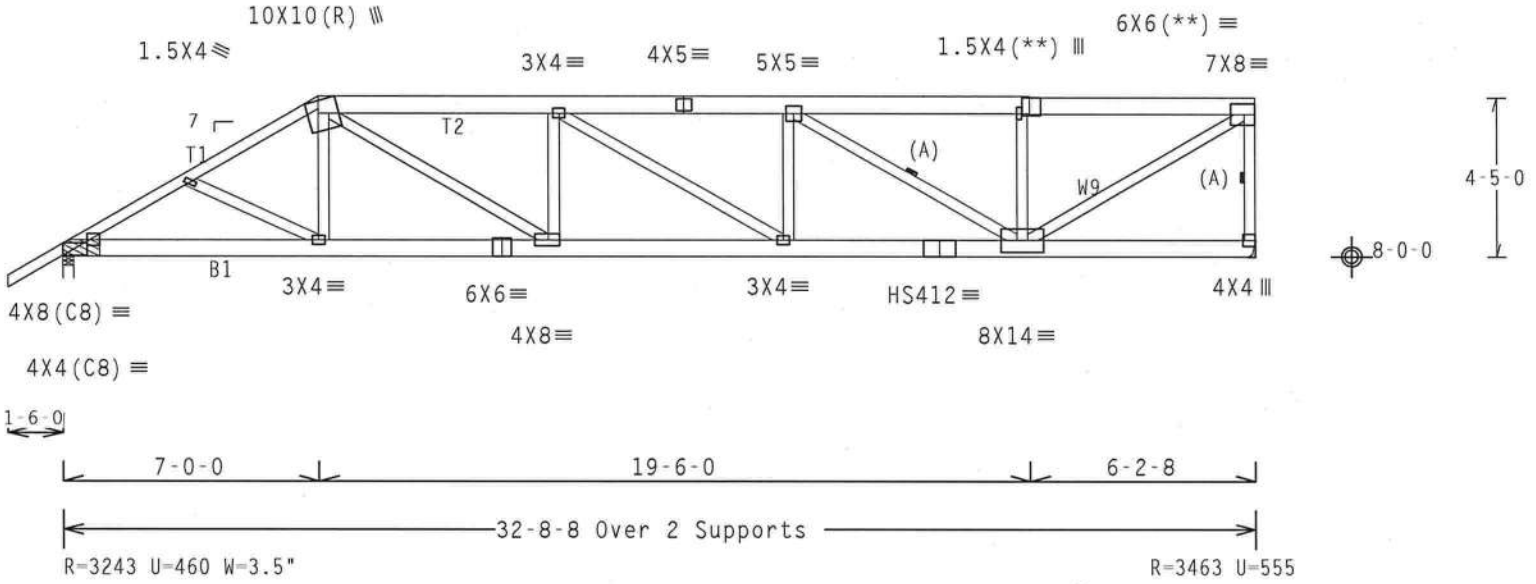
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at -1.50 to 63 PLF at 7.00
TC - From 63 PLF at 7.00 to 63 PLF at 26.50
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 26.50
BC - From 80 PLF at 26.50 to 80 PLF at 32.71
PLT- 190 LB Conc. Load at (7.06,12.40), (9.06,12.40), (11.06,12.40) (13.06,12.40), (15.06,12.40), (17.06,12.40), (19.06,12.40), (21.06,12.40) (23.06,12.40), (25.06,12.40), (27.06,12.38), (29.06,12.38), (31.06,12.38) PLB- 455 LB Conc. Load at (7.00,8.04)
PLB- 82 LB Conc. Load at (9.06,8.04), (11.06,8.04), (13.06,8.04) (15.06,8.04), (17.06,8.04), (19.06,8.04), (21.06,8.04), (23.06,8.04) (25.06,8.04), (27.06,8.04), (29.06,8.04), (31.06,8.04)

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56331
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039010
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151014
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - A17)

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W8 2x4 SP #2 Dense:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 22.58
BC - From 20 PLF at 0.00 to 20 PLF at 22.58
TC - 313 LB Conc. Load at 4.91
TC - 190 LB Conc. Load at 6.91, 8.91, 10.91, 12.91, 14.91
16.91, 18.91, 20.91
BC - 482 LB Conc. Load at 4.91
BC - 82 LB Conc. Load at 6.91, 8.91, 10.91, 12.91, 14.91
16.91, 18.91, 20.91

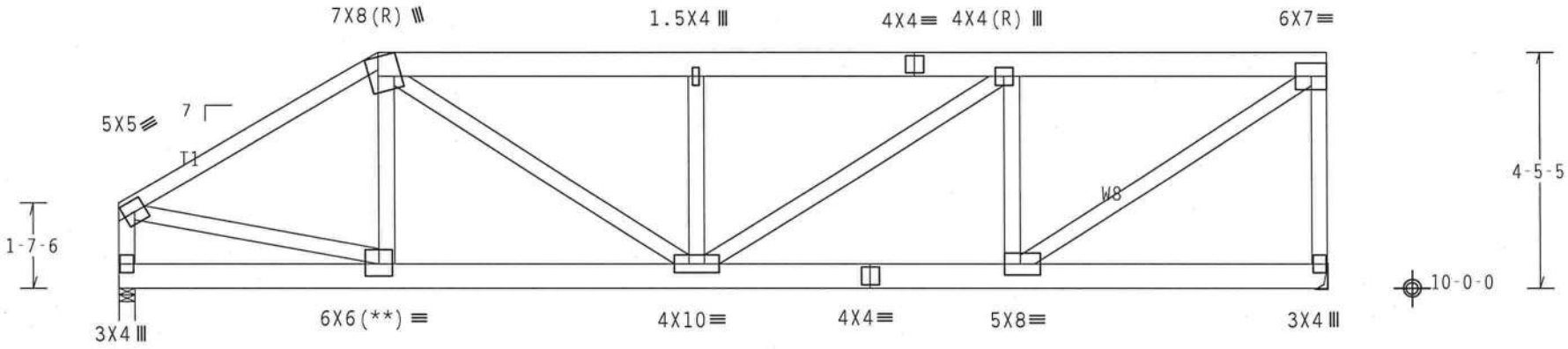
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0 [illegible]Y:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF	R8228- 56332
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039011
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	81115 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - H9 A)

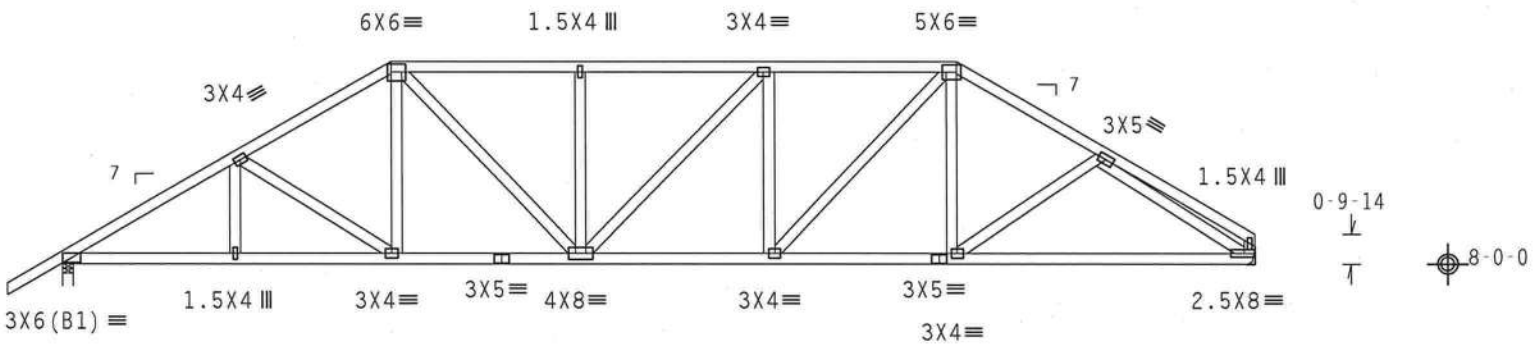
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

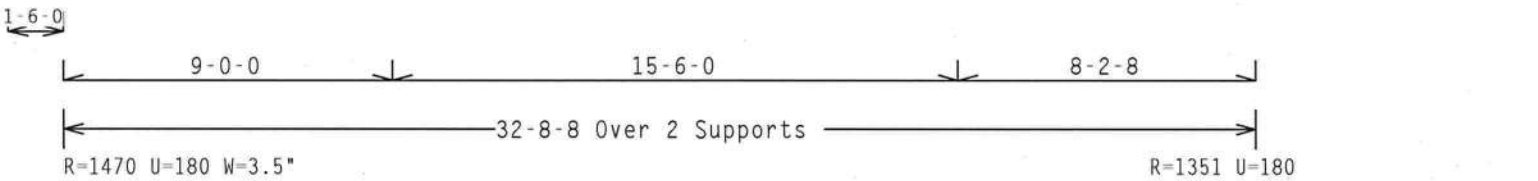
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.





Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #667

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56333
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039012
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151019
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

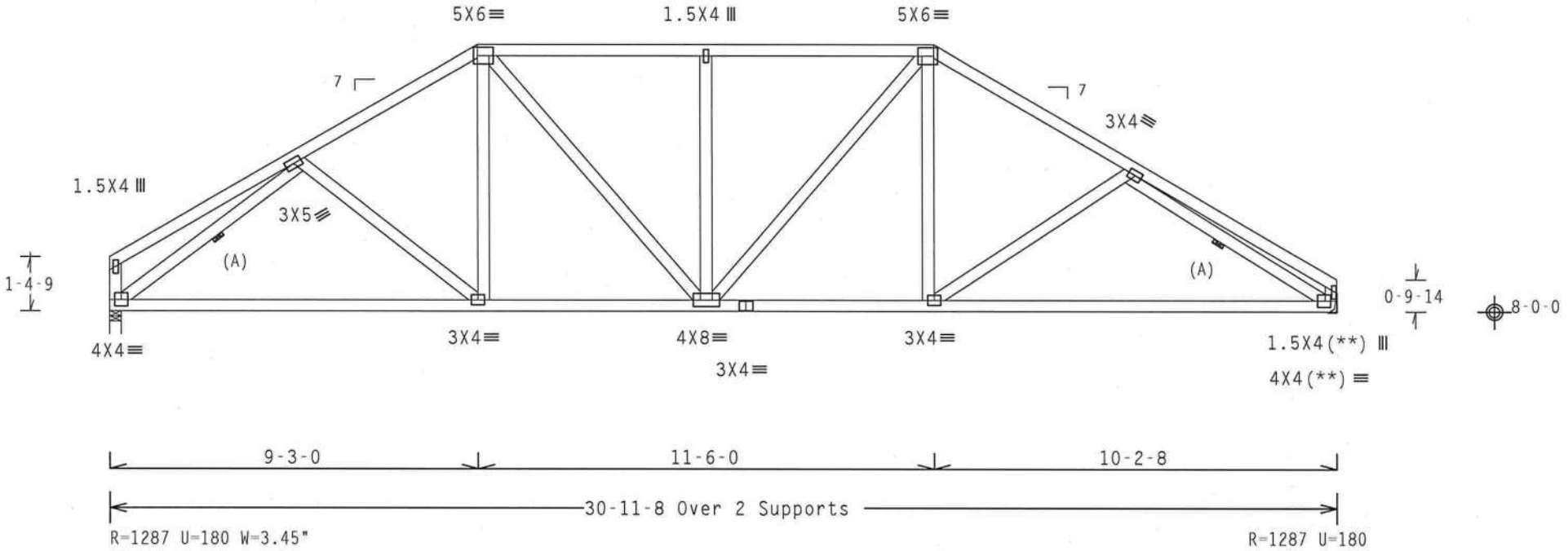
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56334
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039013
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151023
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

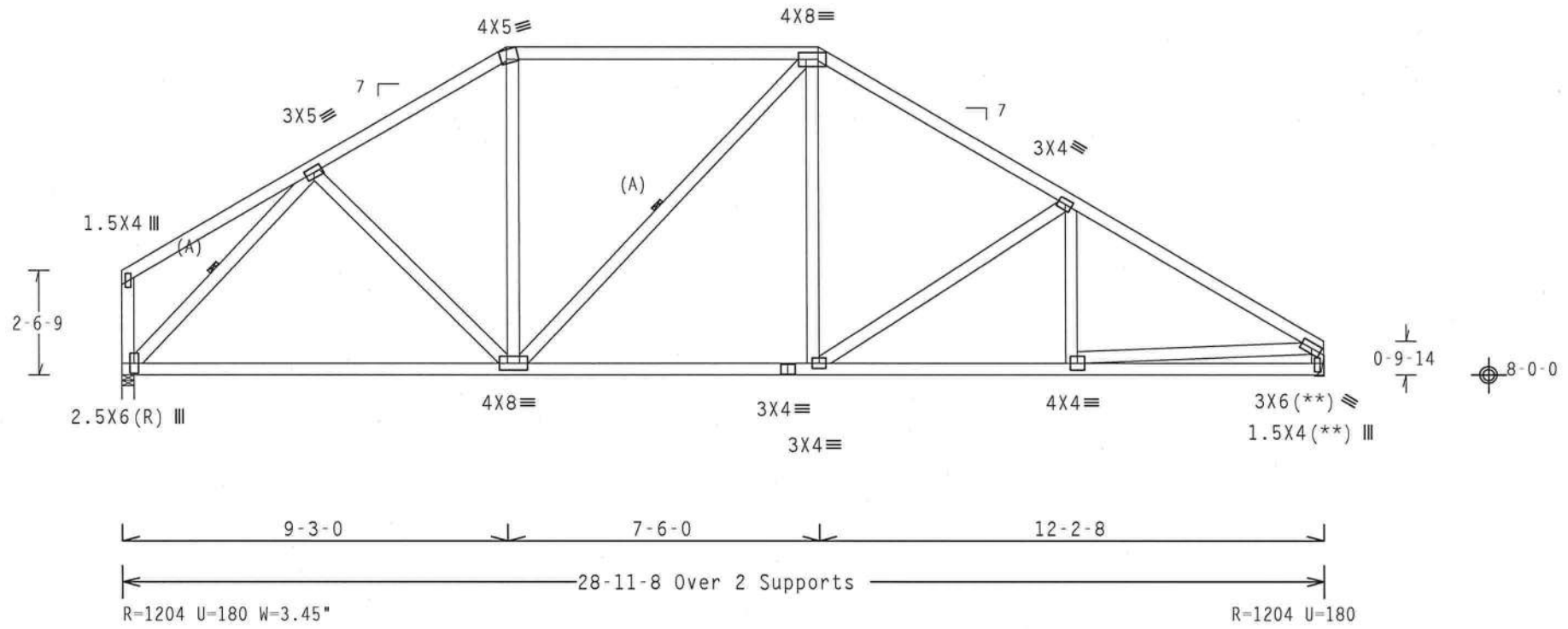
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1[illegible] QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 08 '07

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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TC LL	20.0	PSF	REF R8228- 56335
TC DL	10.0	PSF	DATE 02/08/07
BC DL	10.0	PSF	DRW HCUSR8228 07039014
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN- 151027
DUR.FAC.	1.25		FROM JFB
SPACING	24.0"		JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - A16)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

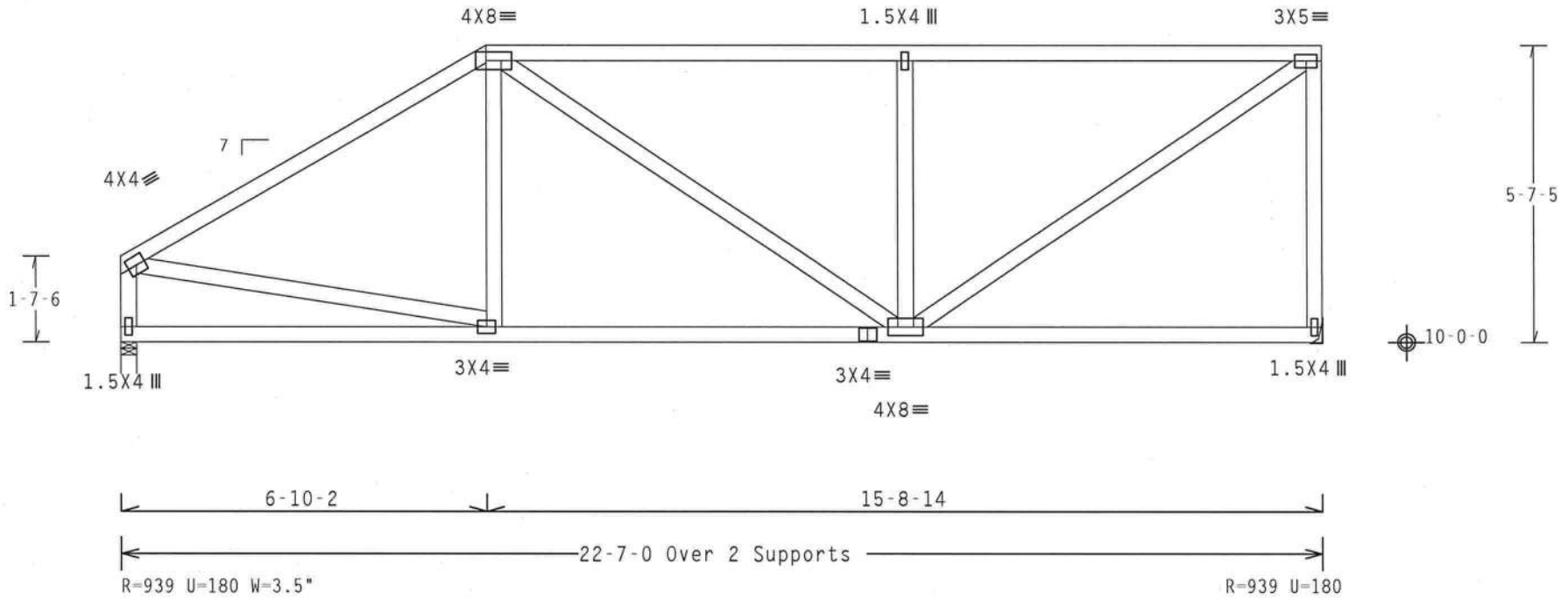
Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56336
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039015
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151057
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - A15)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

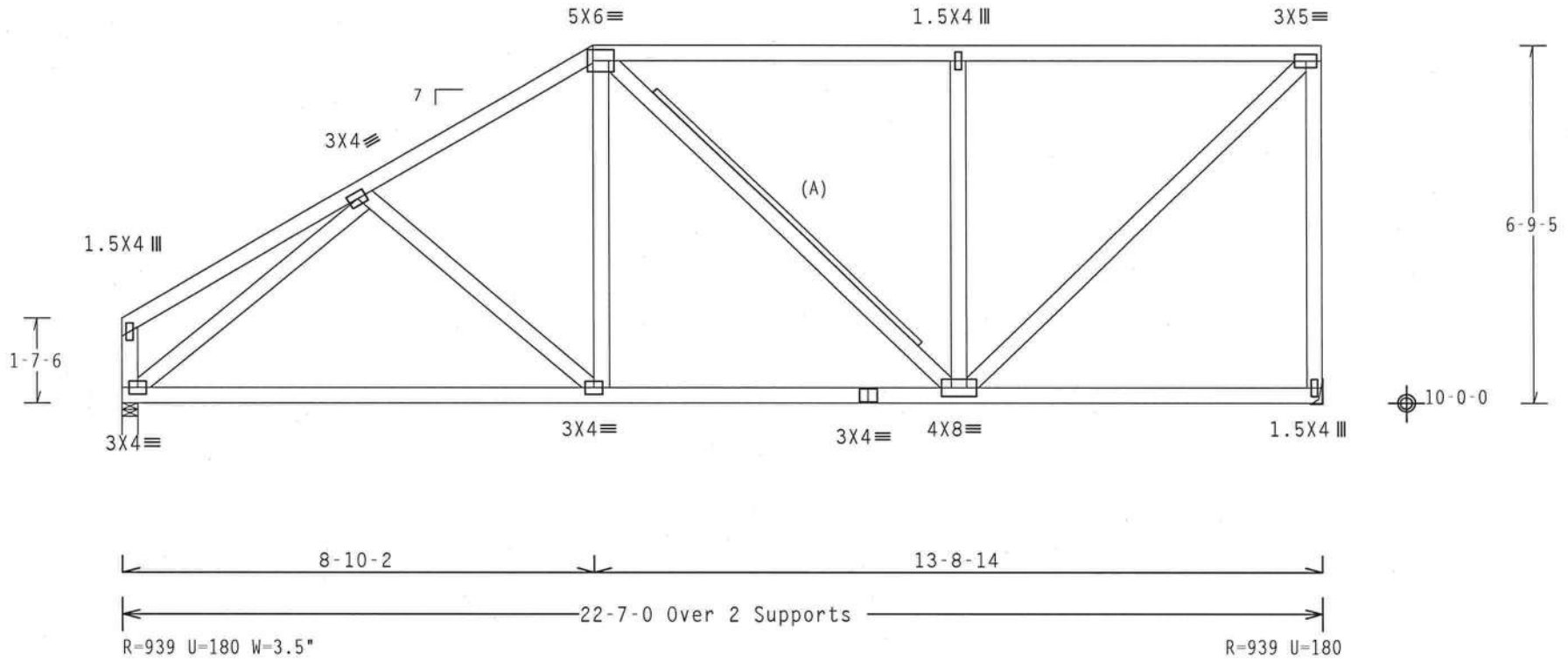
(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
Fl Certificate of Authorization #

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56337
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039016
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151061
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - A14)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

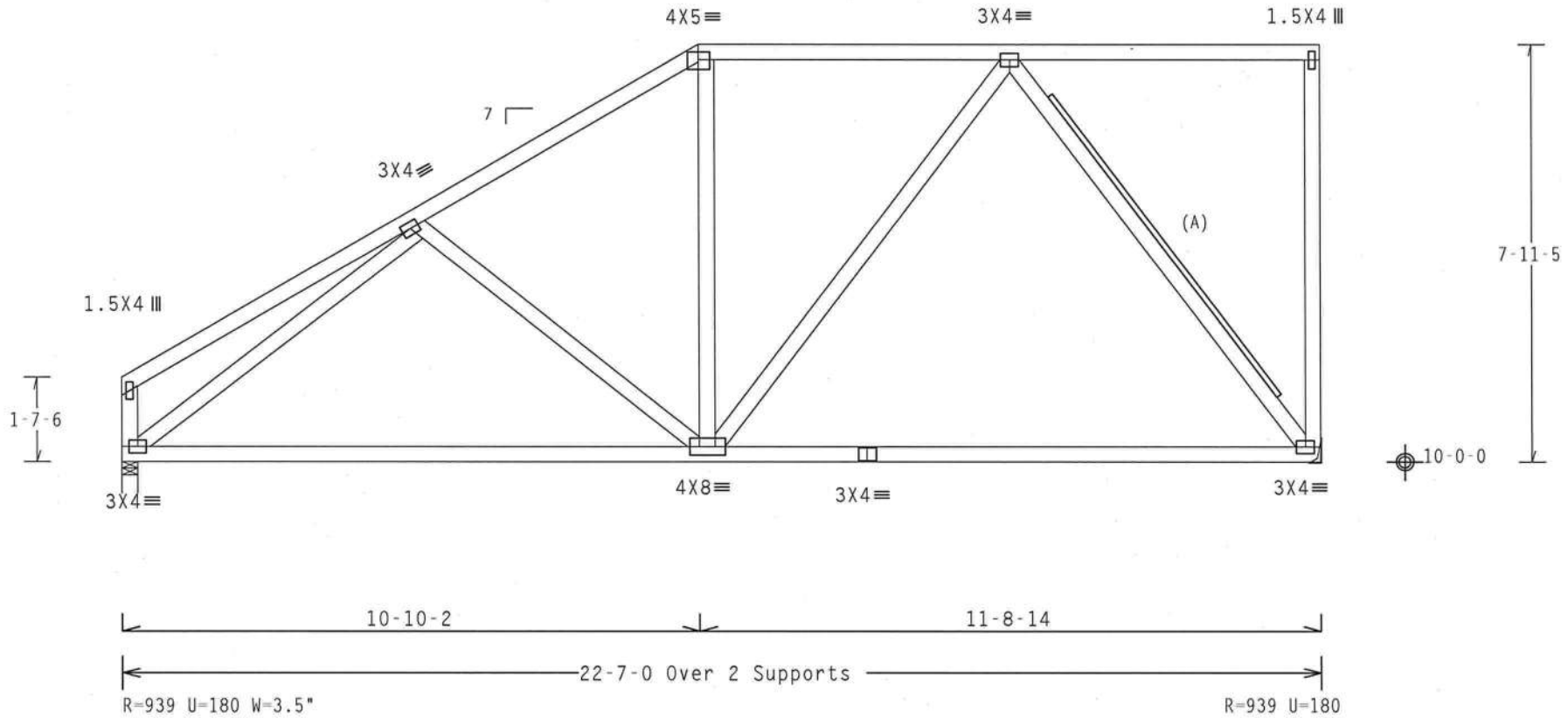
(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF	R8228- 56338
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039017
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	151065
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - A13)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

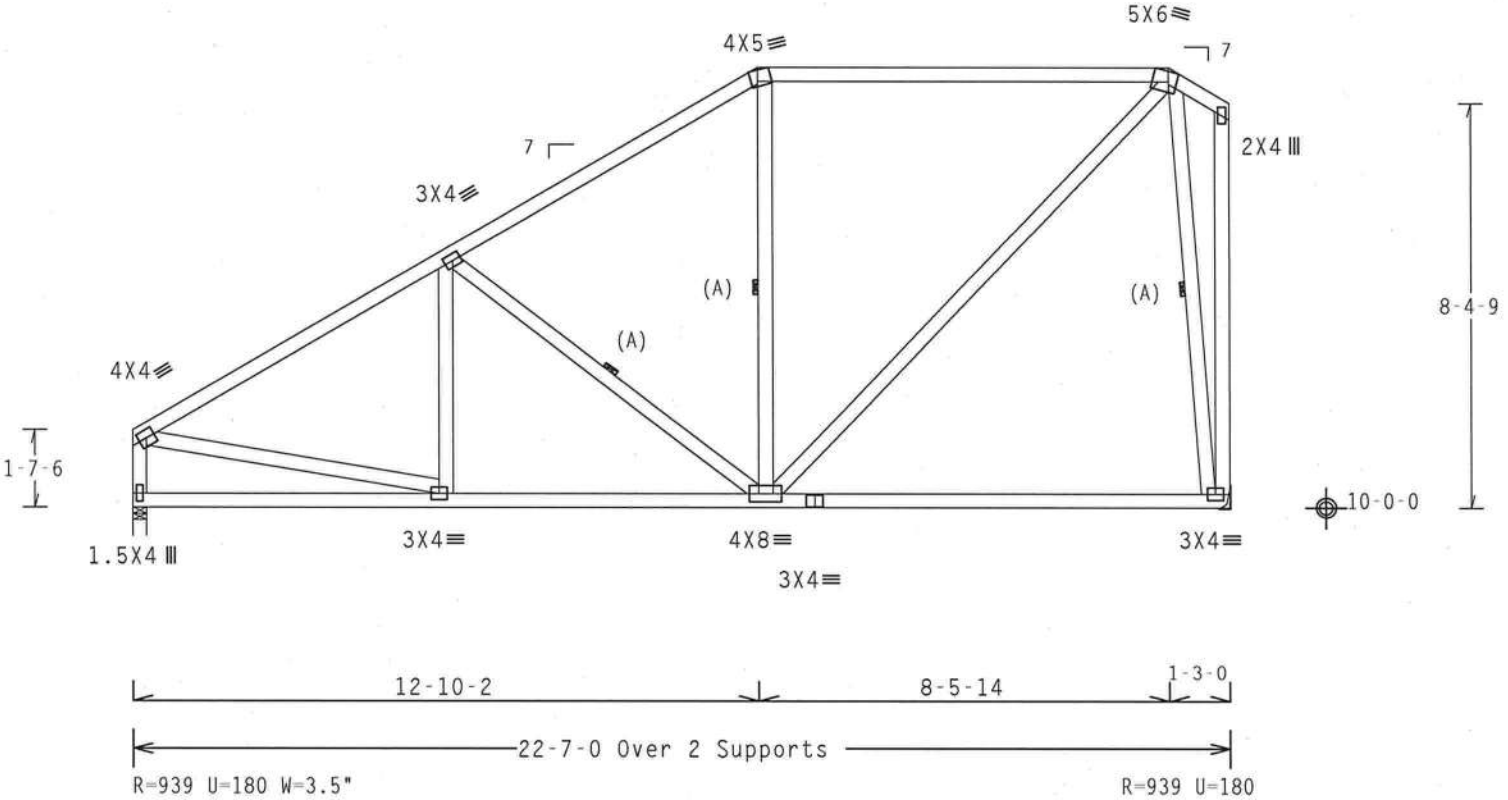
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.36 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

PLT TYP. Wave

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Feb 08 '07

TC LL	20.0 PSF	REF	R8228- 56339
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039018
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	151069
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

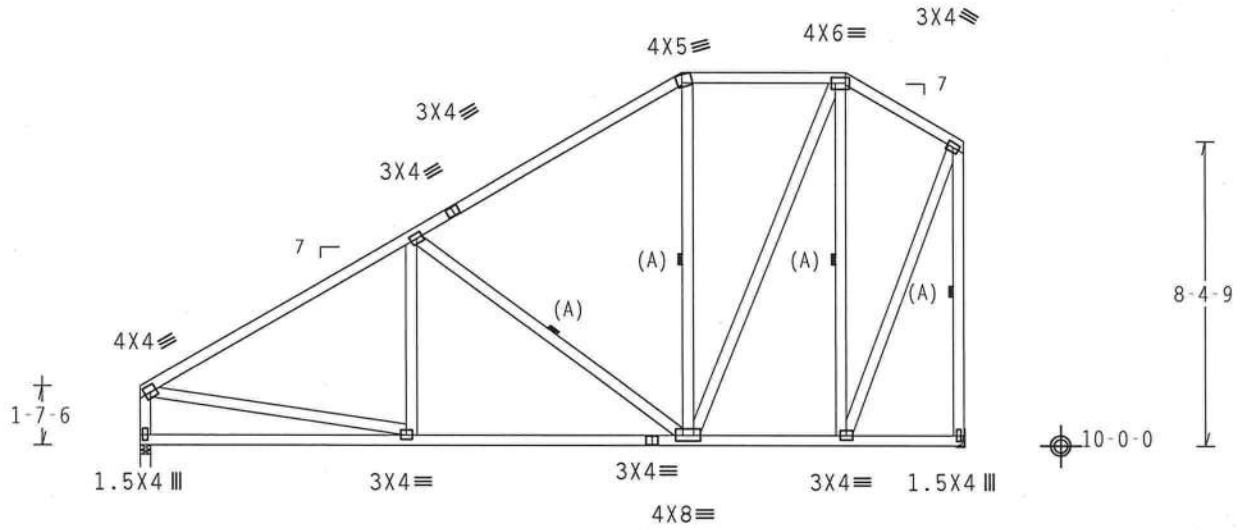
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.95 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.1875"/Ft.

ALPINE

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56340
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039019
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151073
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

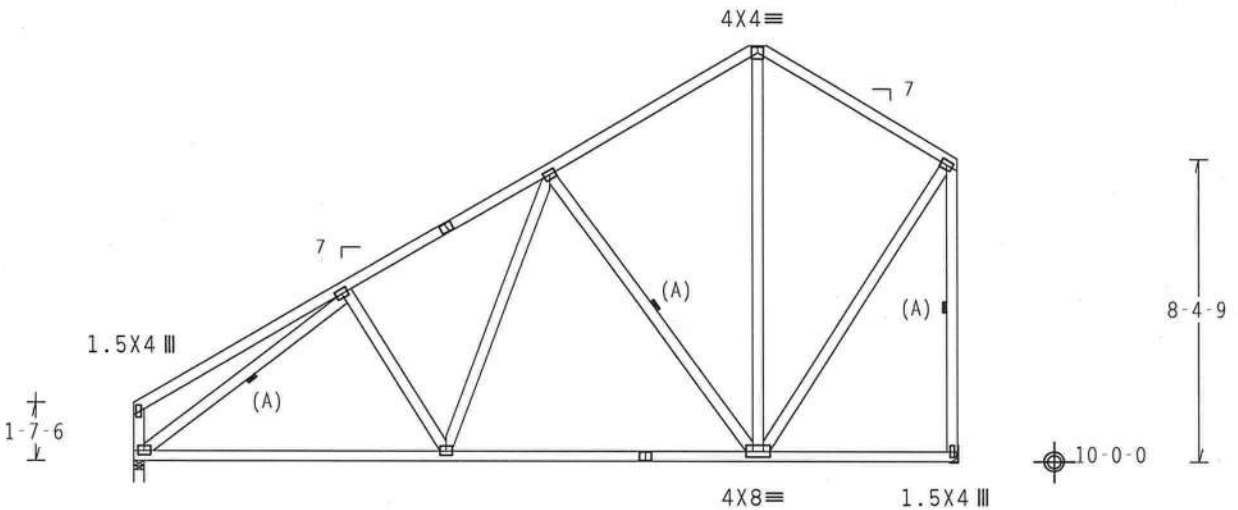
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 16.53 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1[illegible] TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Feb 0[illegible] 07

TC LL	20.0 PSF	REF R8228- 56341
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039020
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151077
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - A10)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

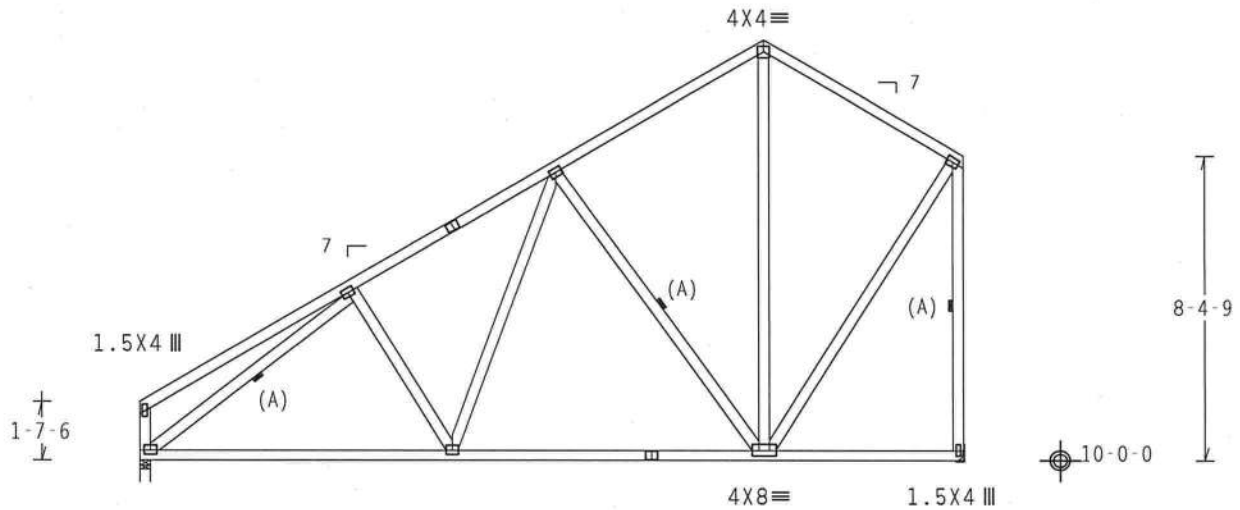
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 16.60 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

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Haines City, FL 33844
FL Certificate of Authorization #667

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IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR B. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56342
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039021
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151081
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - A9)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

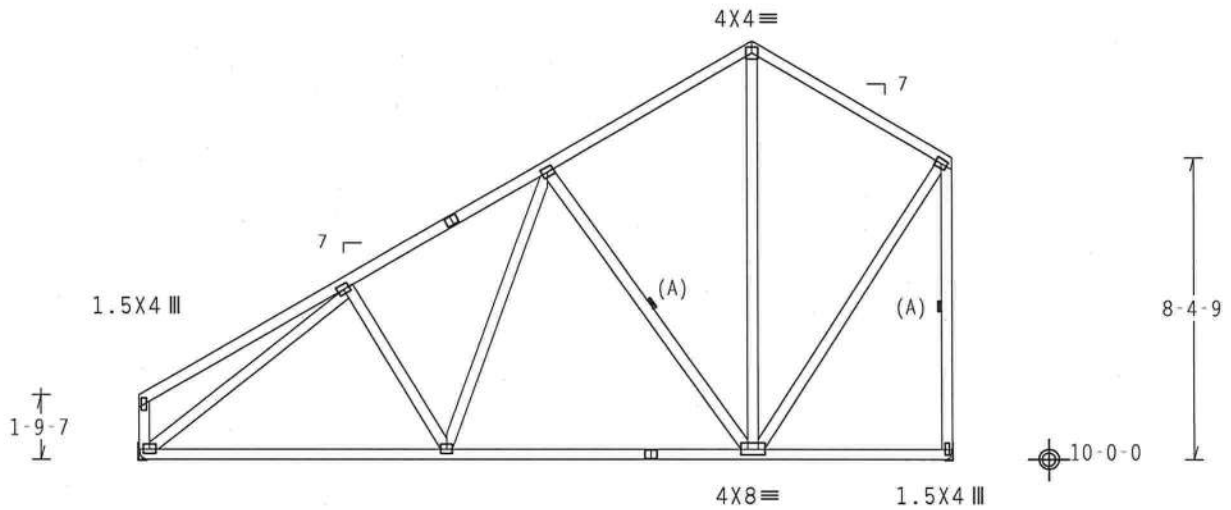
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 16.68 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 [illegible] KEY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #607

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Feb 08 '07

TC LL	20.0 PSF	REF	R8228- 56343
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039022
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	151085
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - A8)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

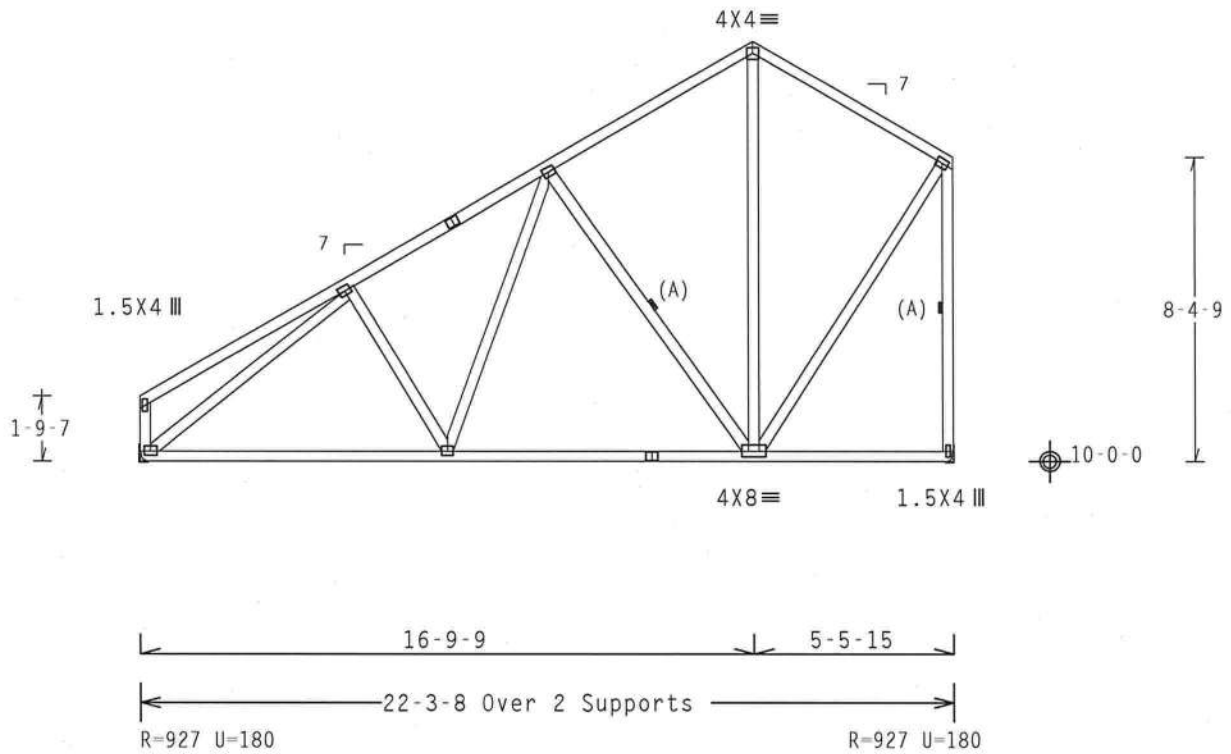
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 16.68 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF	R8228- 56344
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039023
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	151090
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - A7)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

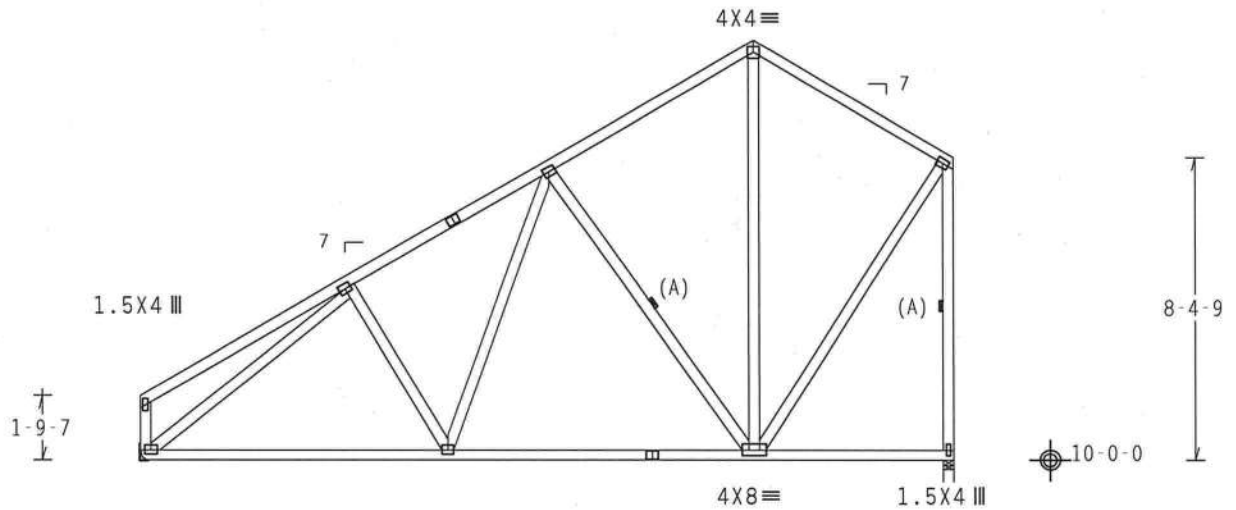
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 16.68 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 08 '07

TC LL	20.0 PSF	REF	R8228- 56345
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039024
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	151094
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - A6)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

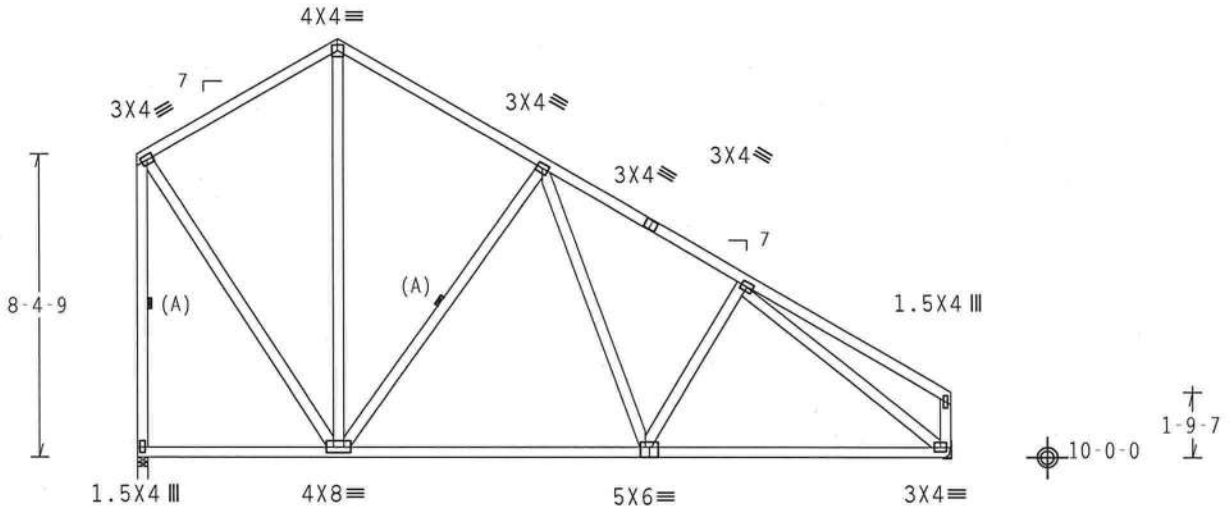
Left end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 16.68 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56346
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039025
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151098
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - A5)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

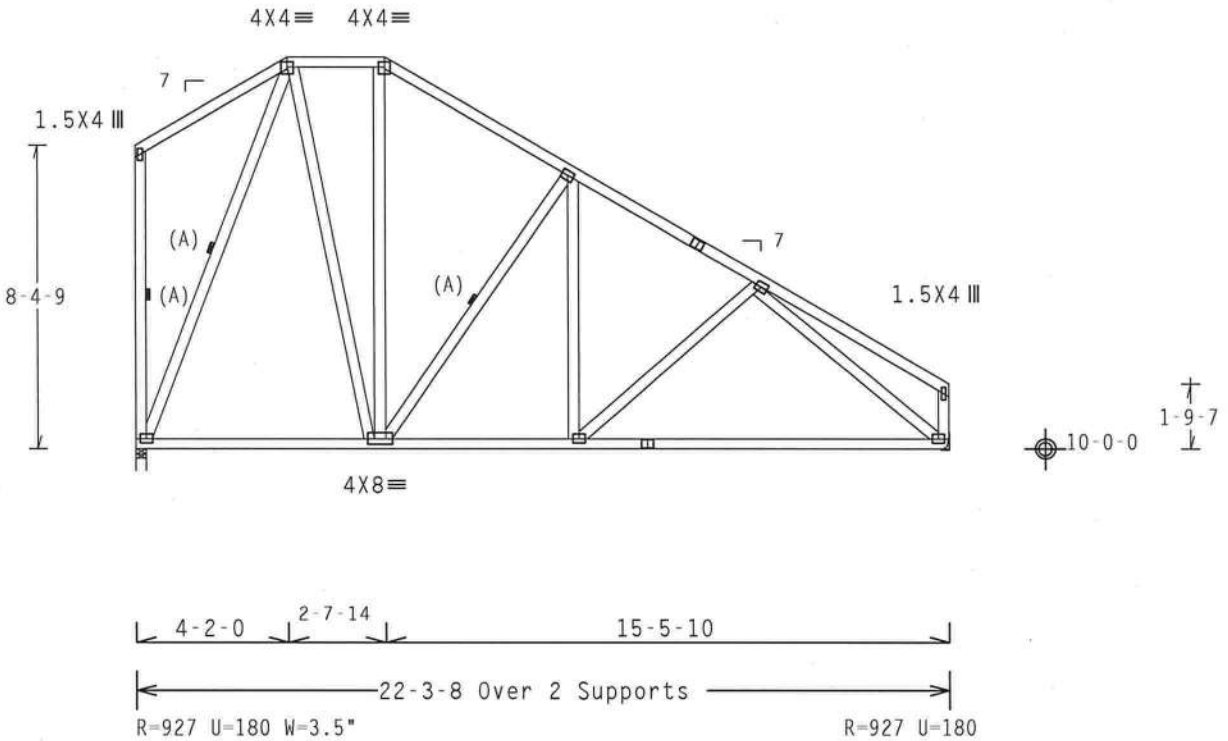
Left end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 16.30 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56347
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039026
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151103
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

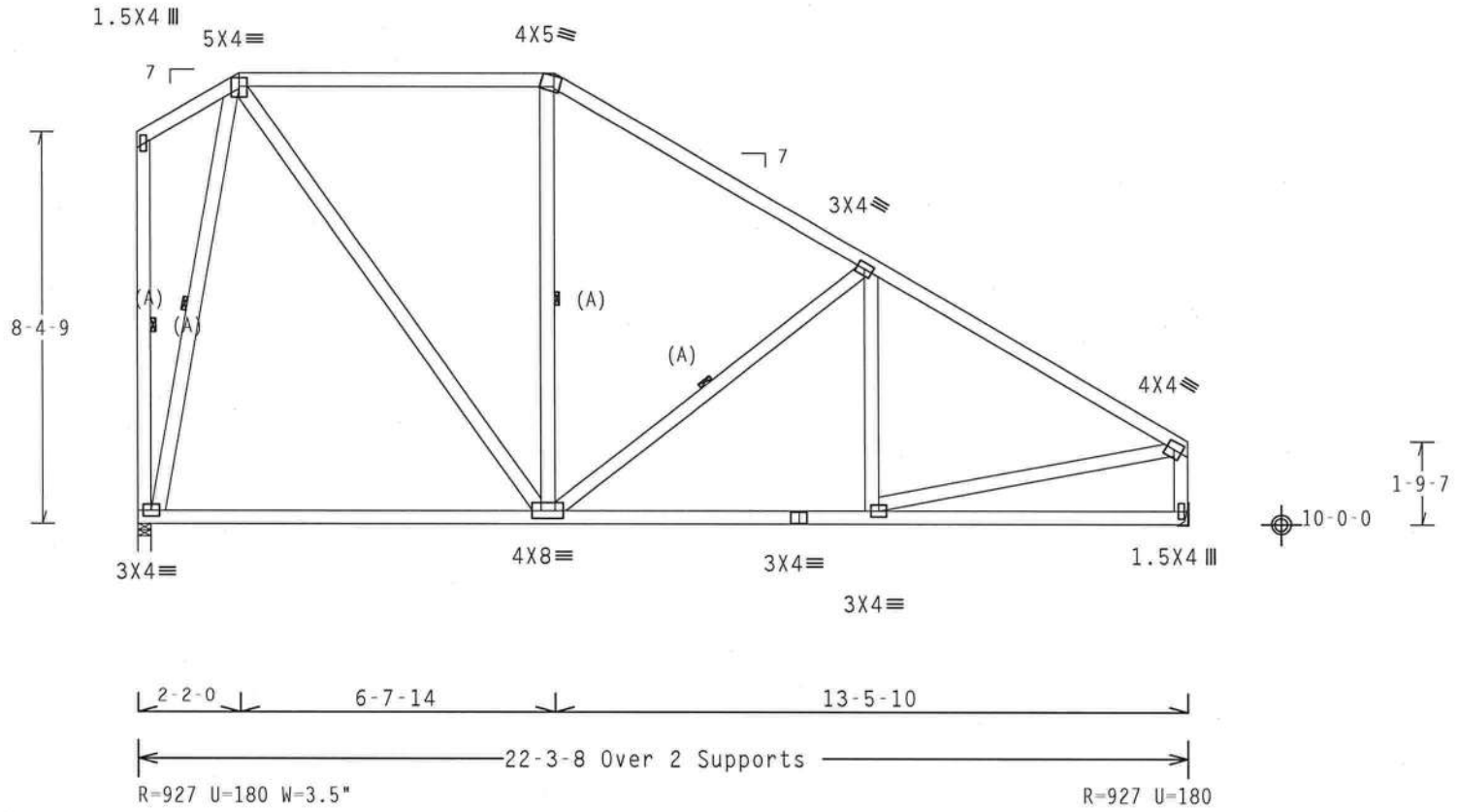
Left end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.71 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER
LICENSE
No. 38687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF	R8228- 56348
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039027
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	151107
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - A3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

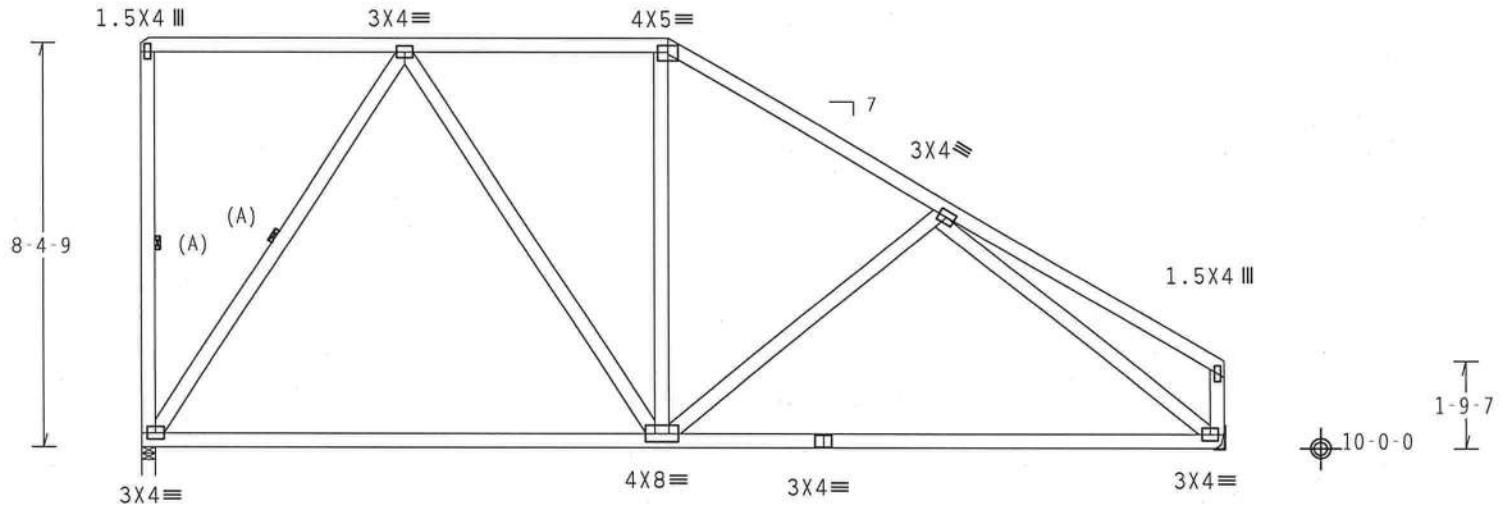
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

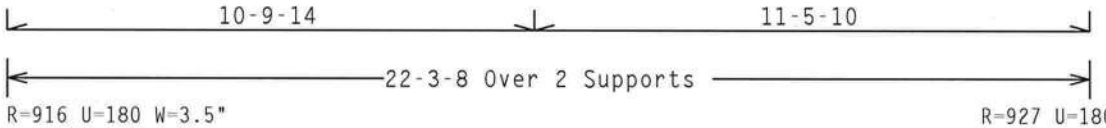
110 mph wind, 15.13 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Max JT VERT DEFL: LL: 0.12" DL: 0.19" recommended camber 3/8"

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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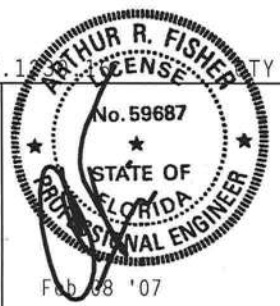


TC LL	20.0 PSF	REF R8228- 56349
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039028
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151112
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - A2)

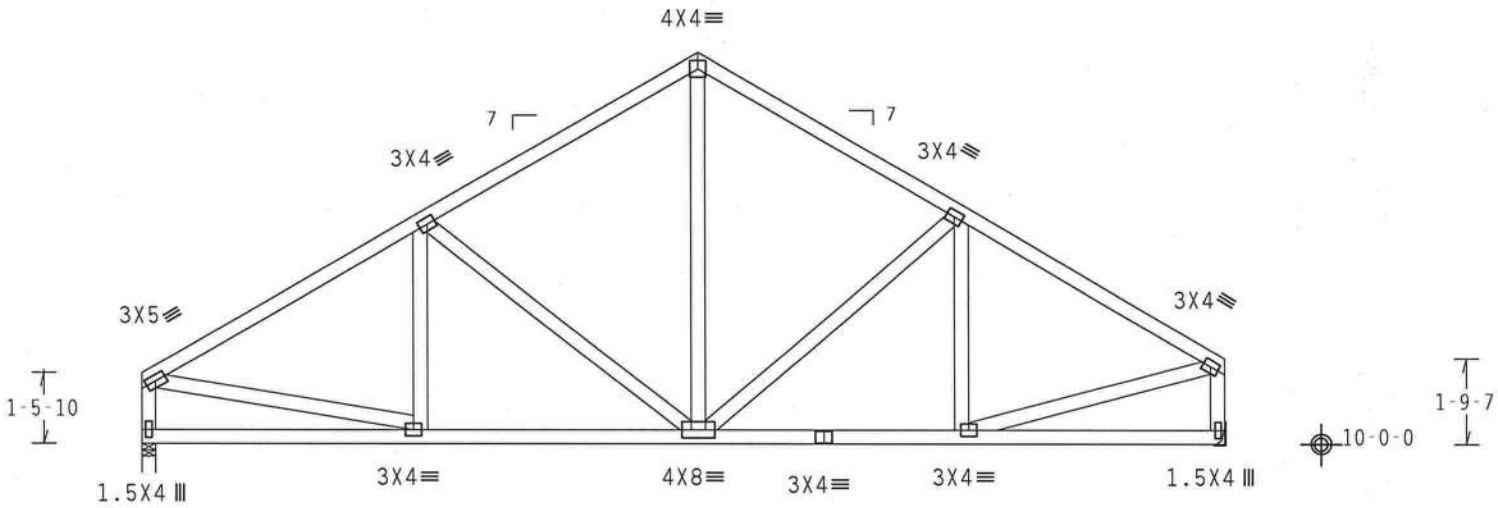
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 0 '07

TC LL	20.0 PSF	REF R8228- 56350
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039029
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151118
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - A1)

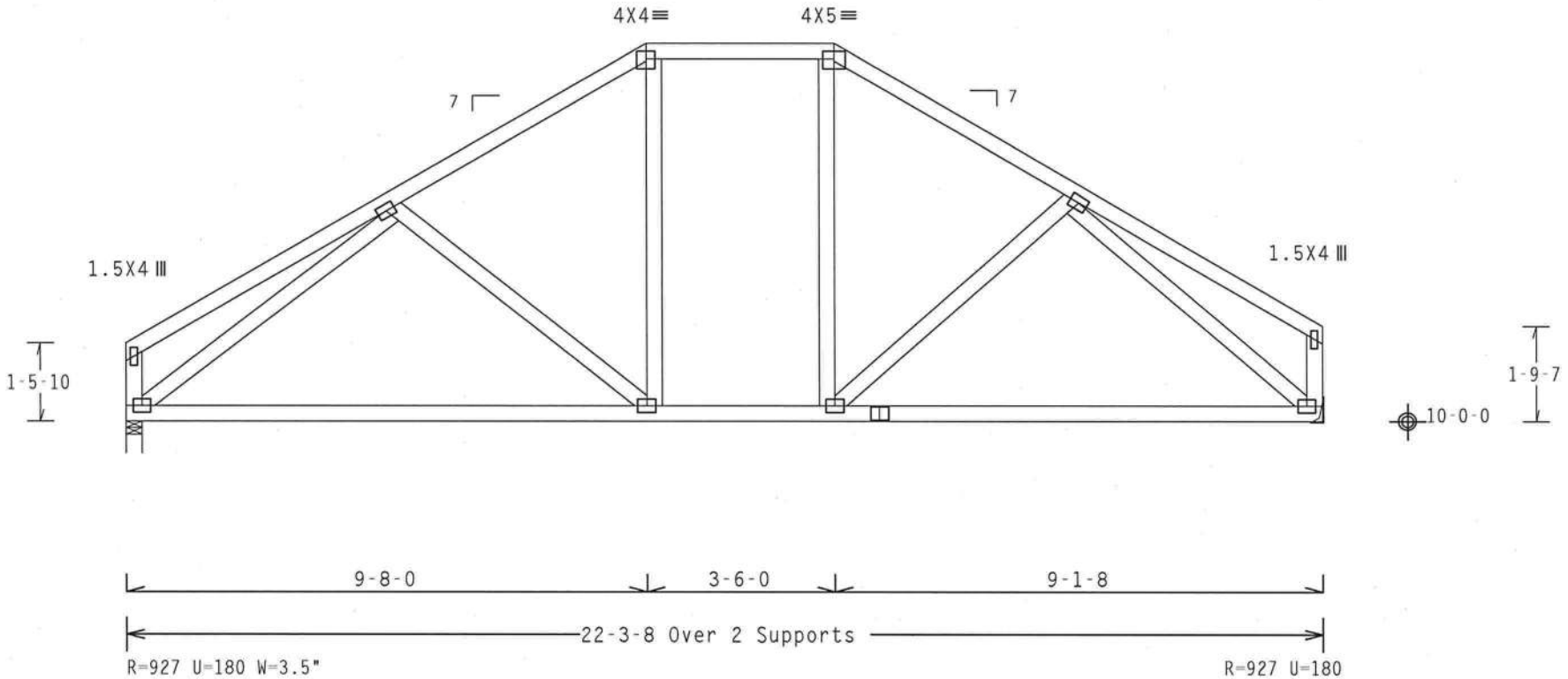
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

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FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56351
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039030
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151122
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

Top chord 2x6 SP #1 Dense :T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #2 :B2 2x6 SP #1 Dense:
Webs 2x4 SP #3 :W9 2x4 SP #2 Dense:

Bearing blocks: Nail type: 12d_Common_(0.148"x3.25",_min.)_nails

BRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
1	0.000'	1	12"	4	Rigid Surface

Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 for additional information.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

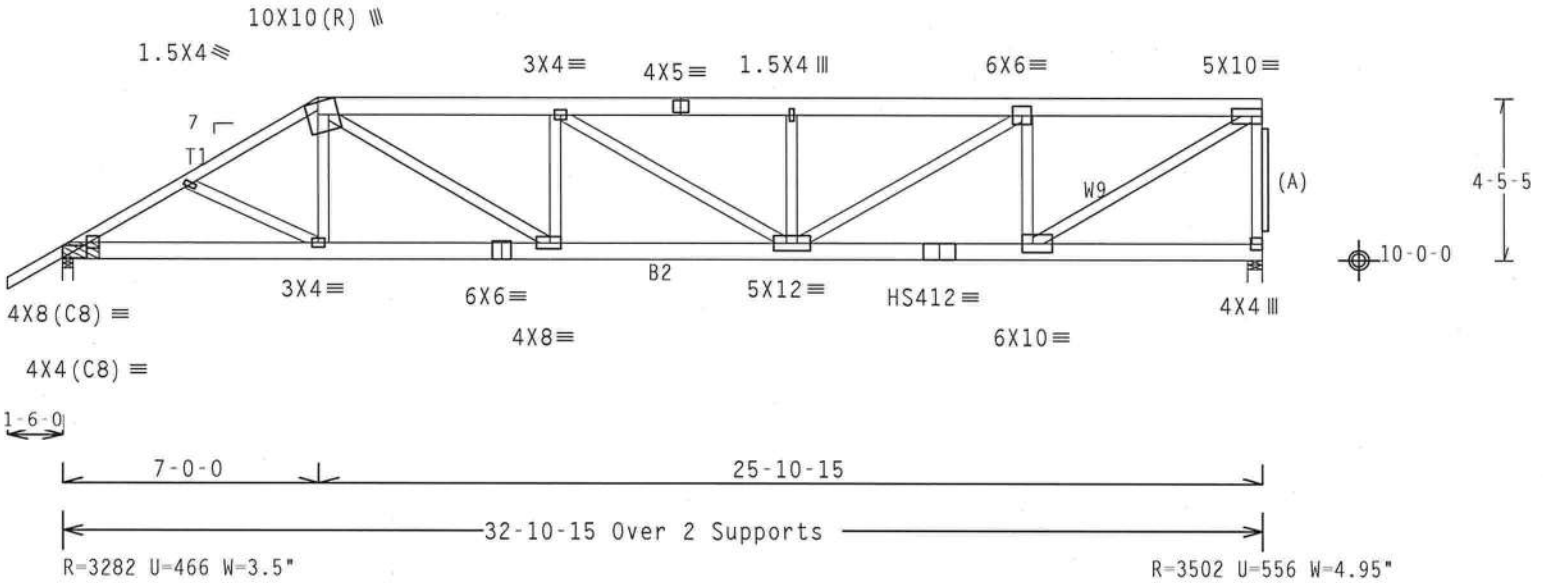
(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at -1.50 to 63 PLF at 7.00
TC - From 63 PLF at 7.00 to 63 PLF at 32.91
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 32.91
TC - 190 LB Conc. Load at 7.06, 9.06, 11.06, 13.06, 15.06 17.06, 19.06, 21.06, 23.06, 24.77
TC - 197 LB Conc. Load at 26.77
TC - 169 LB Conc. Load at 28.77
TC - 155 LB Conc. Load at 30.77
BC - 455 LB Conc. Load at 7.00
BC - 82 LB Conc. Load at 9.06, 11.06, 13.06, 15.06, 17.06 19.06, 21.06, 23.06, 24.77
BC - 88 LB Conc. Load at 26.77
BC - 116 LB Conc. Load at 28.77
BC - 130 LB Conc. Load at 30.77

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 ...TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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ARTHUR R. FISHER
LICENSE
No 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF	R8228- 56352
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039031
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	151211
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

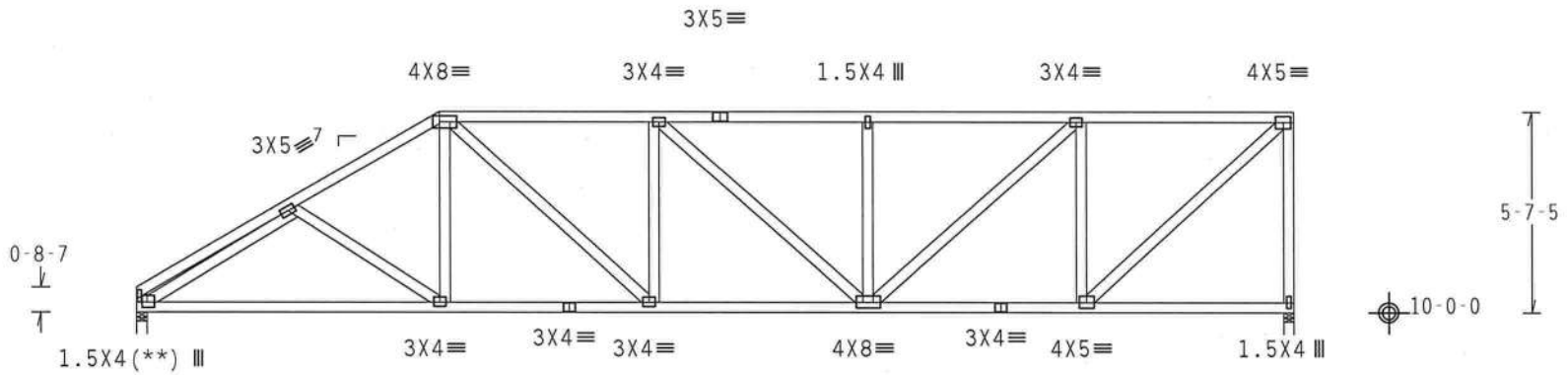
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.1875"/Ft.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56353
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039032
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151217
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - H11 B)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

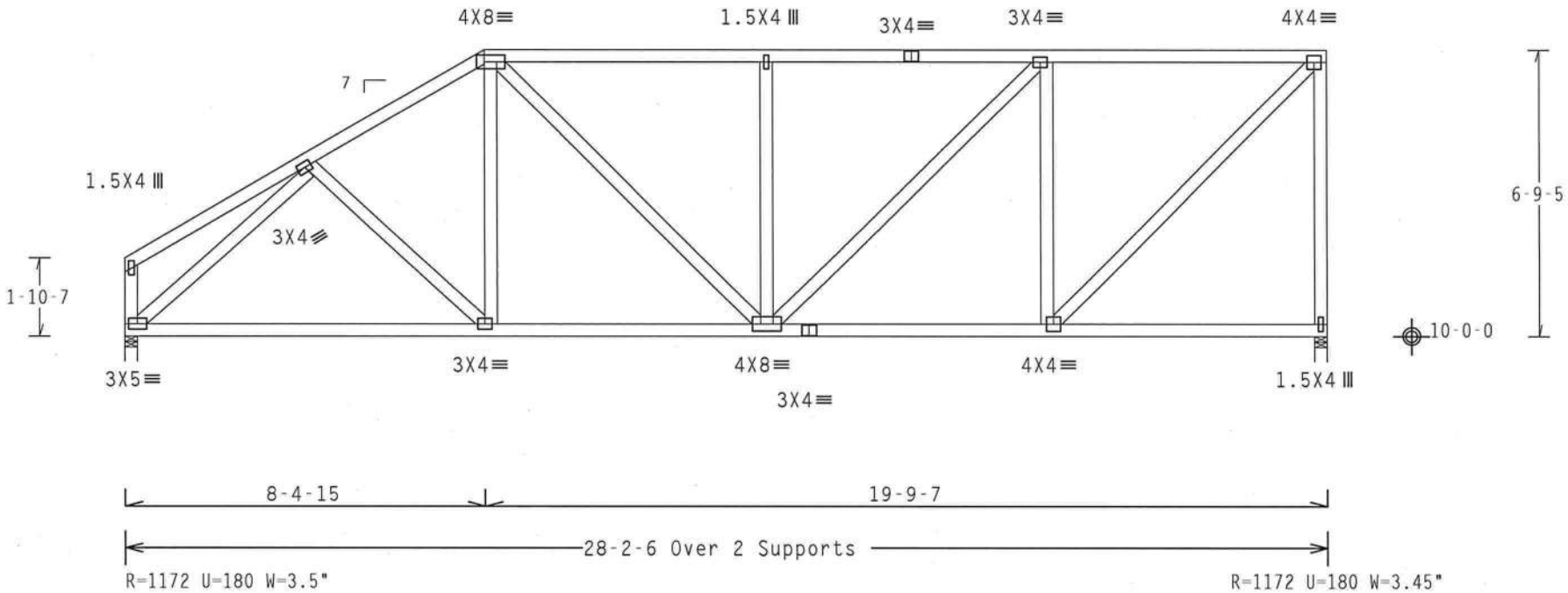
Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible]Y:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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ARTHUR R. FISHER
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No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56354
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039033
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151222
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - H13 B)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

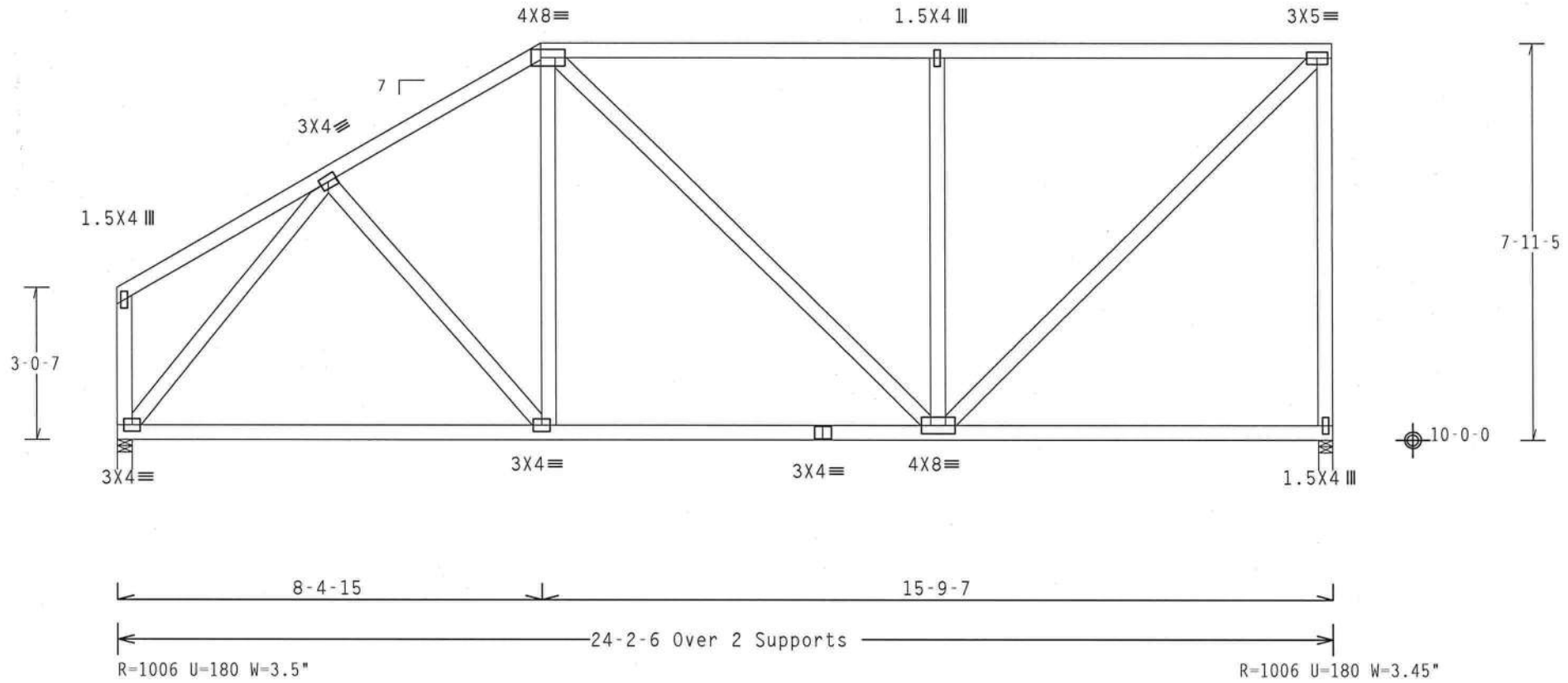
Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.49 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate [illegible]

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ARTHUR B. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56355
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039034
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151227
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - H7 C)

Top chord 2x4 SP #2 Dense :T2 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

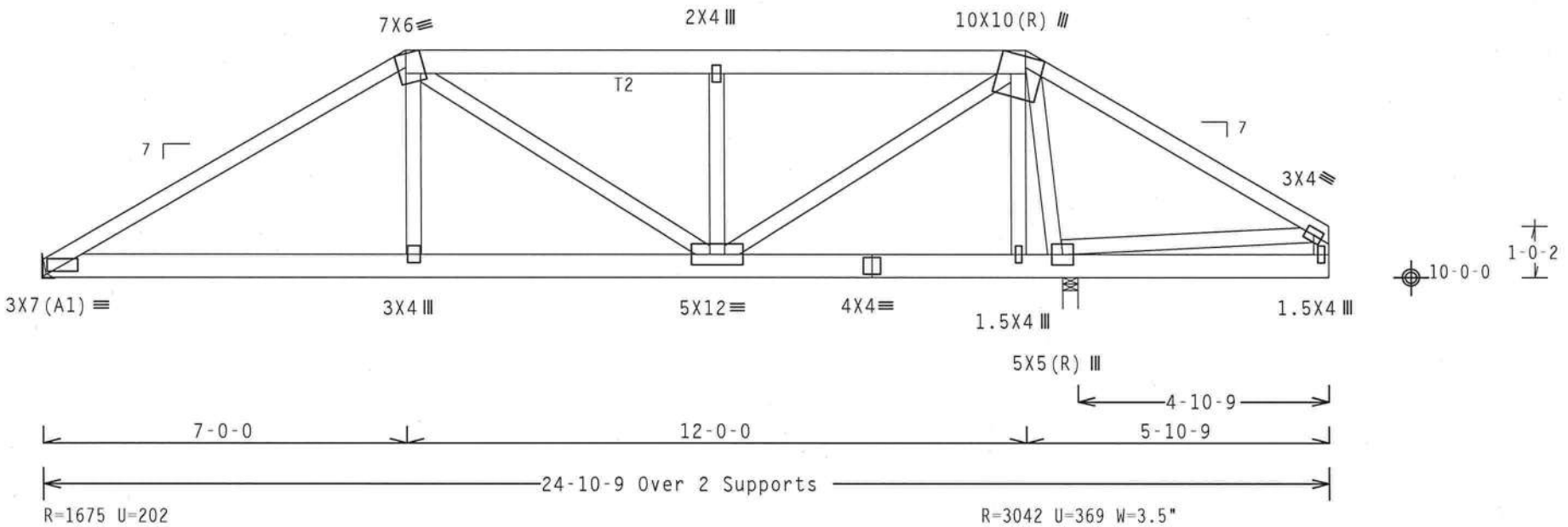
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 7.00
TC - From 63 PLF at 7.00 to 63 PLF at 19.00
TC - From 63 PLF at 19.00 to 63 PLF at 24.88
BC - From 20 PLF at 0.00 to 20 PLF at 24.88
TC - 190 LB Conc. Load at 7.06, 9.06, 11.06, 13.00, 14.94 16.94, 18.94
BC - 455 LB Conc. Load at 7.00, 19.00
BC - 82 LB Conc. Load at 9.06, 11.06, 13.00, 14.94, 16.94

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #667

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 0[illegible] '07

TC LL	20.0 PSF	REF	R8228- 56356
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039035
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	151141
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - H9 C)

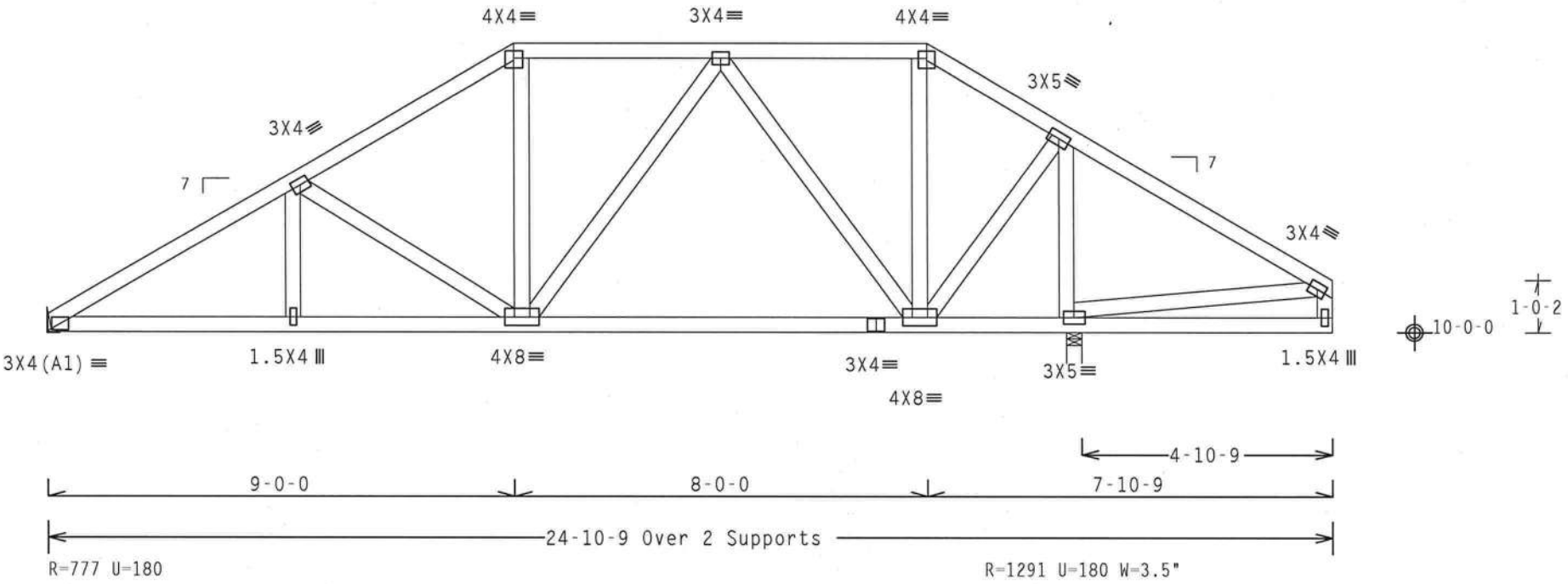
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #667

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56357
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039036
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151146
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - H11 C)

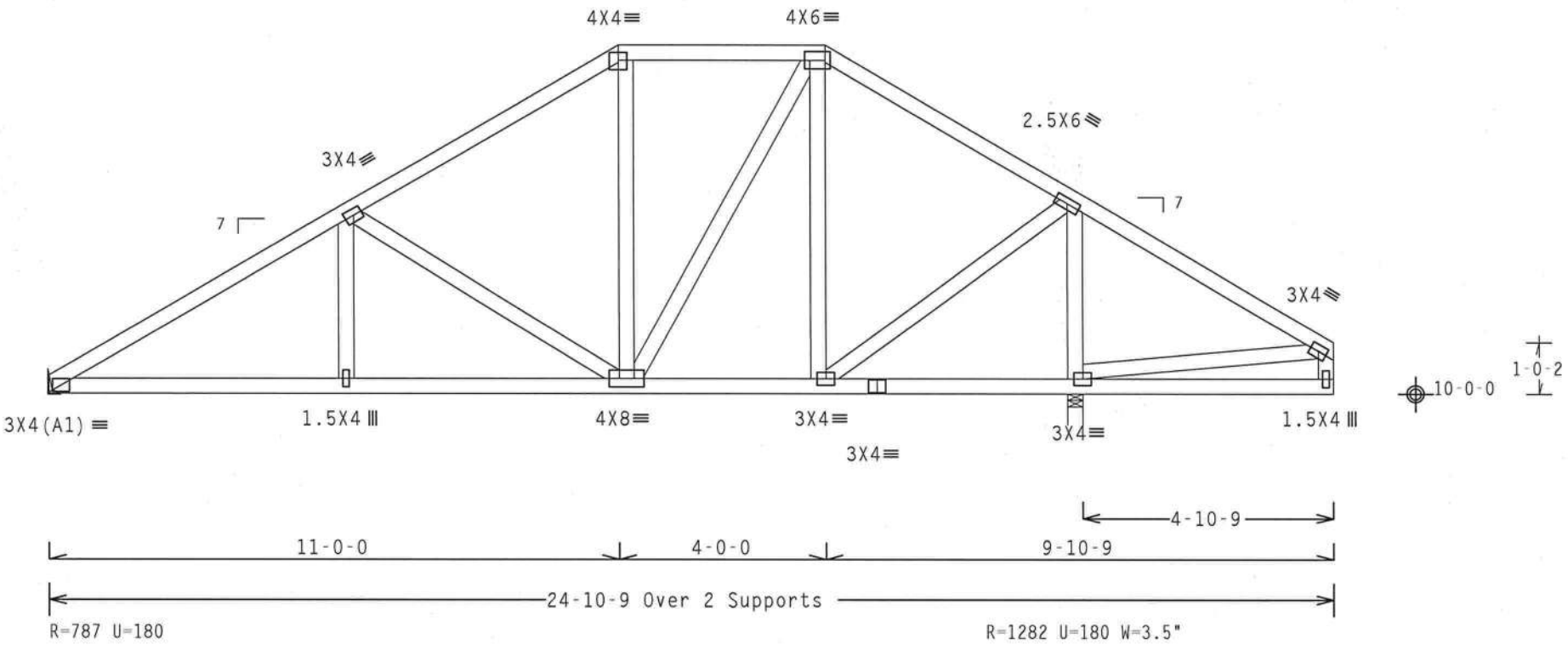
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible]KEY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.3125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08,'07

TC LL	20.0 PSF	REF R8228- 56358
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039037
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151150
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - C1)

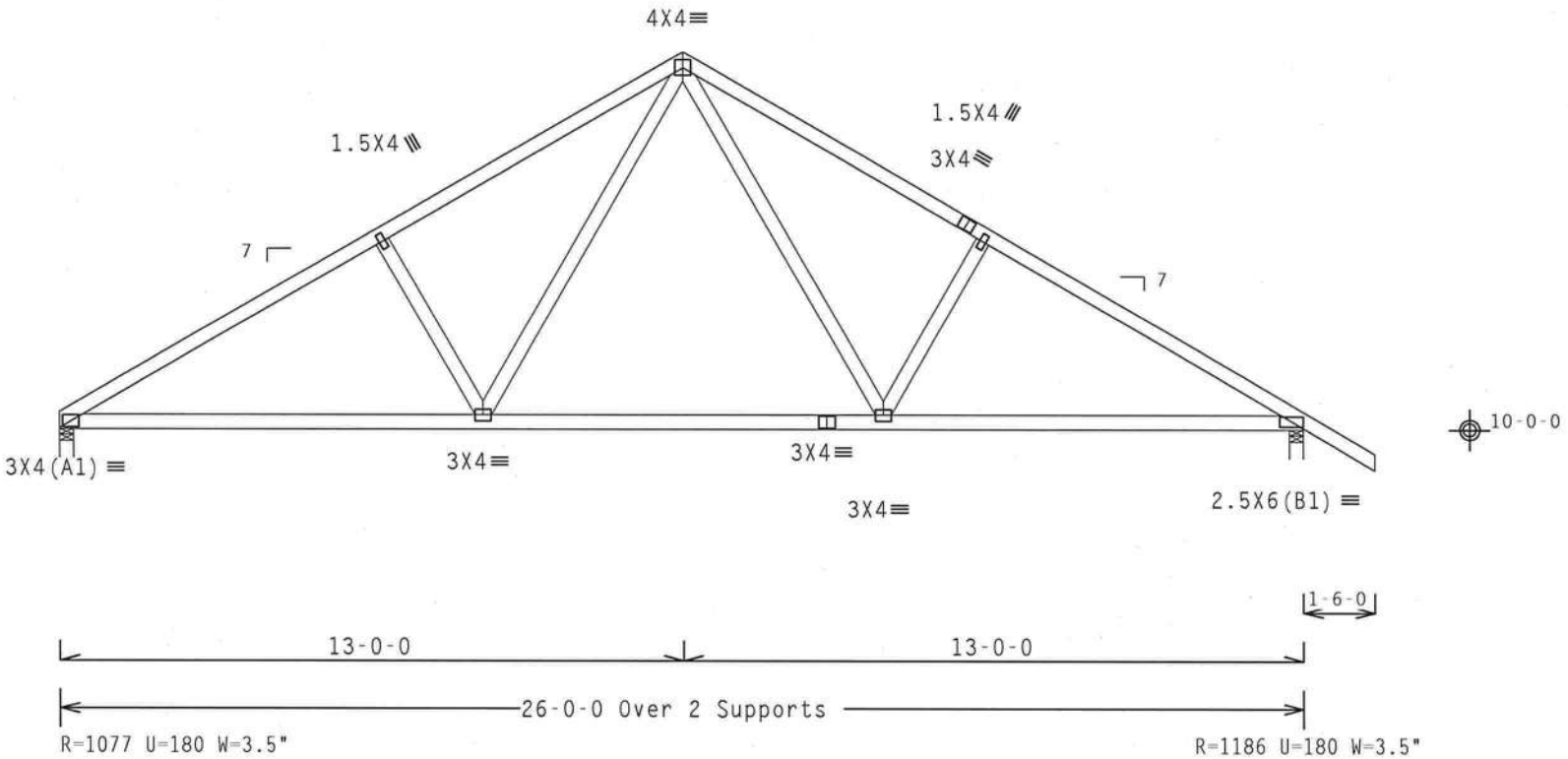
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #

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ARTHUR P. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56359
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039001
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 151158
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - C2)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

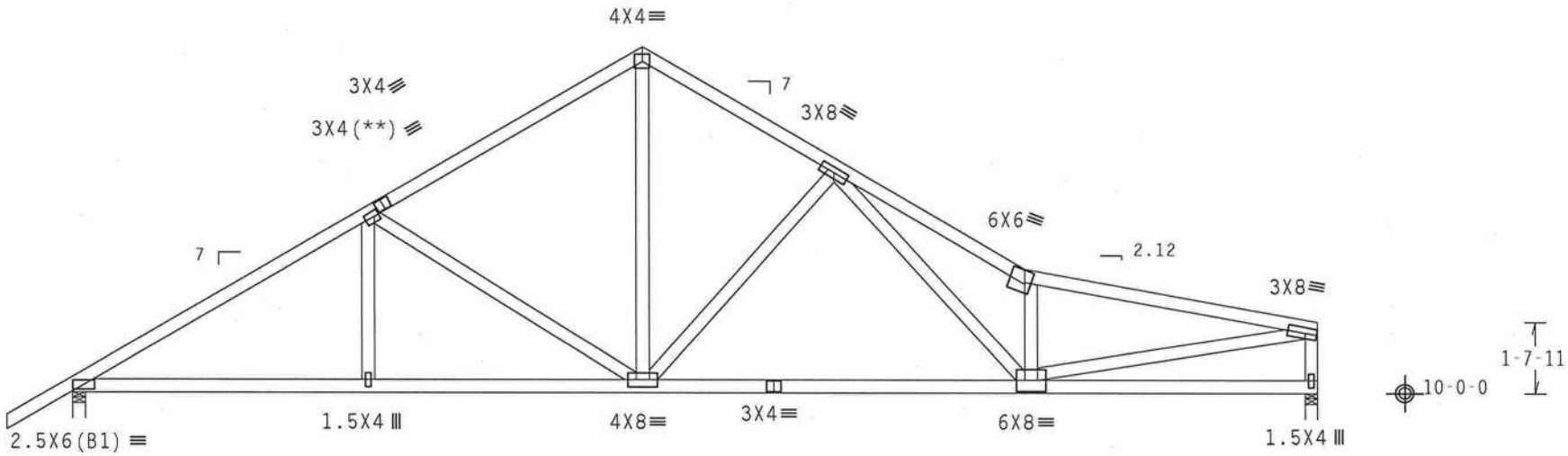
Wind reactions based on MWFRS pressures.

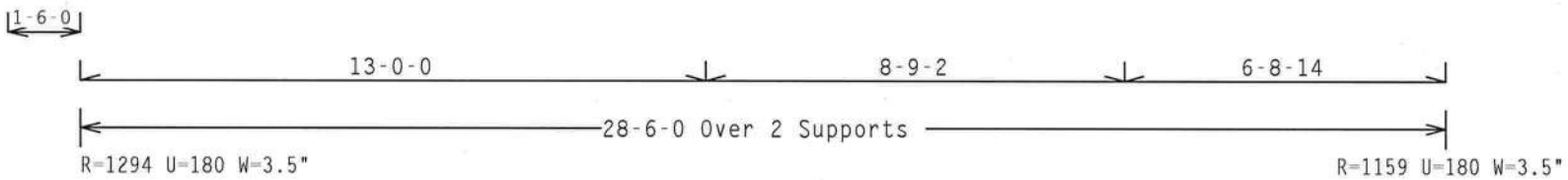
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56360
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039038
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151163
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - C3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

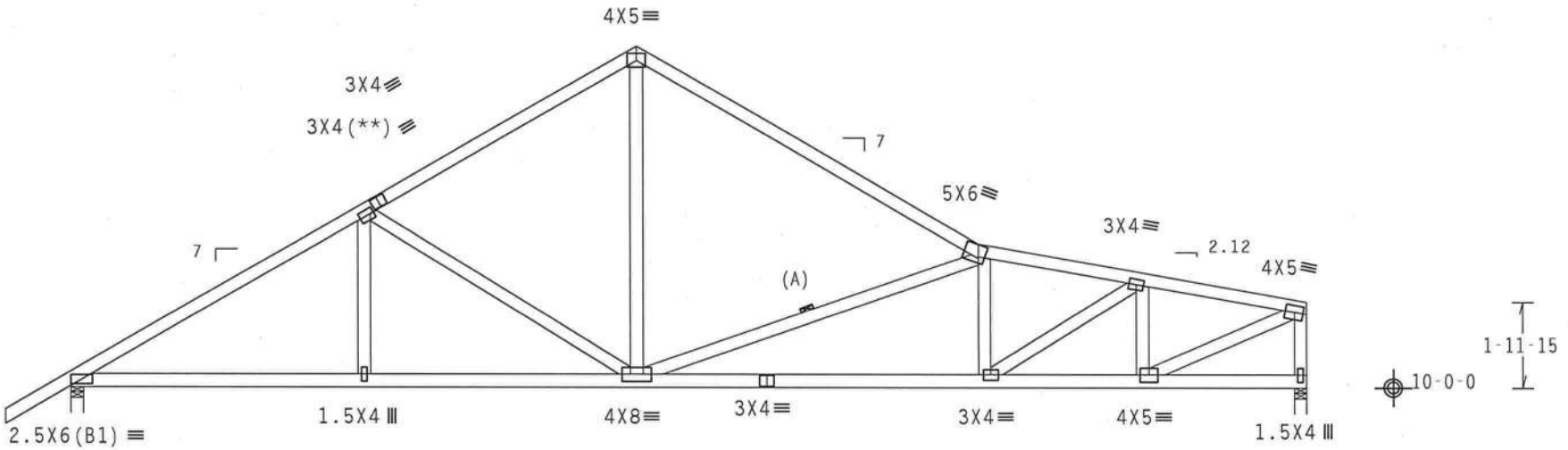
(A) Continuous lateral bracing equally spaced on member.

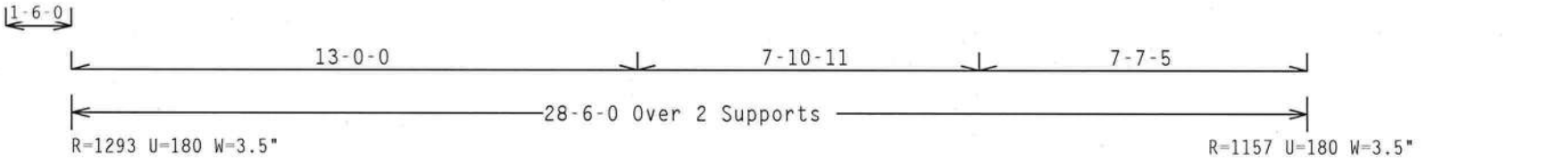
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR B. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF	R8228- 56361
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039039
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	151167
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - C4)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

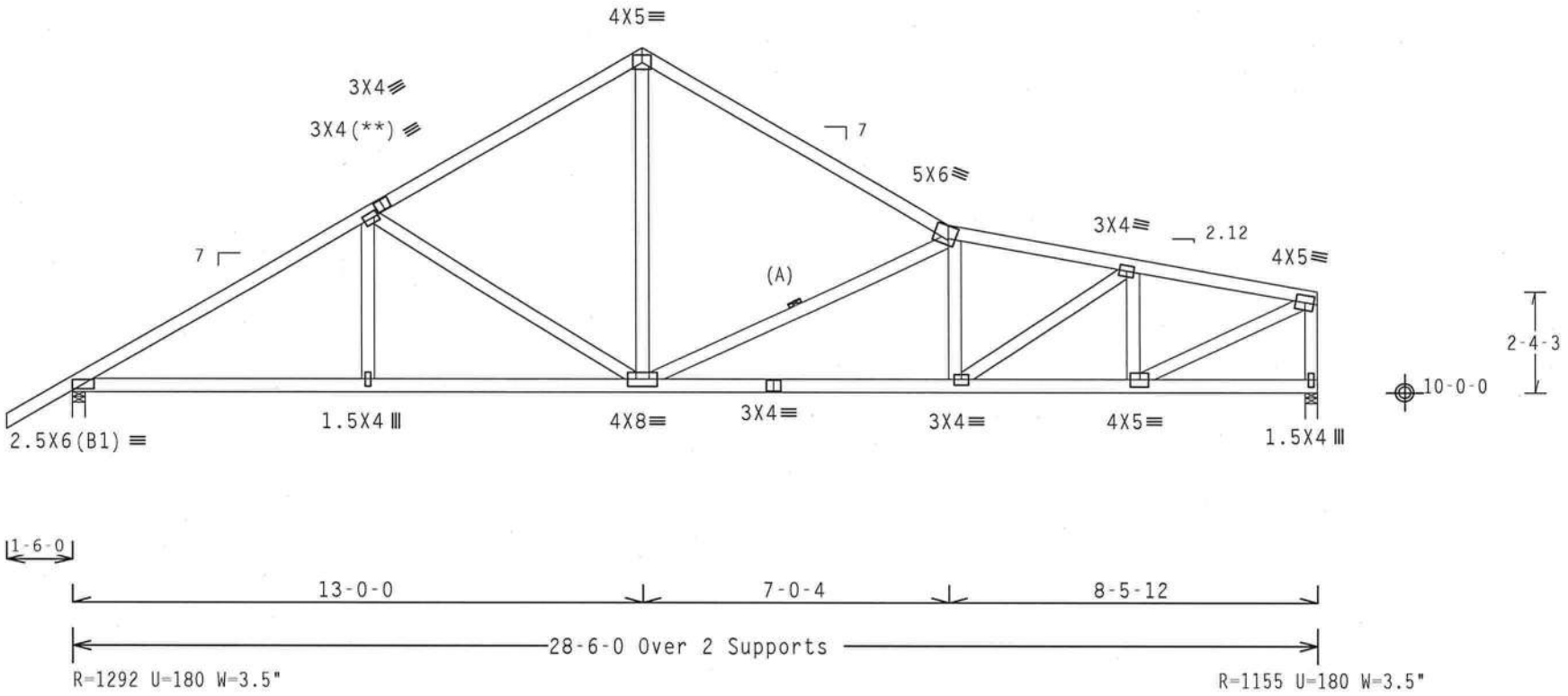
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible]Y:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb [illegible]8 '07

TC LL	20.0 PSF	REF	R8228- 56362
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039040
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	151172
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

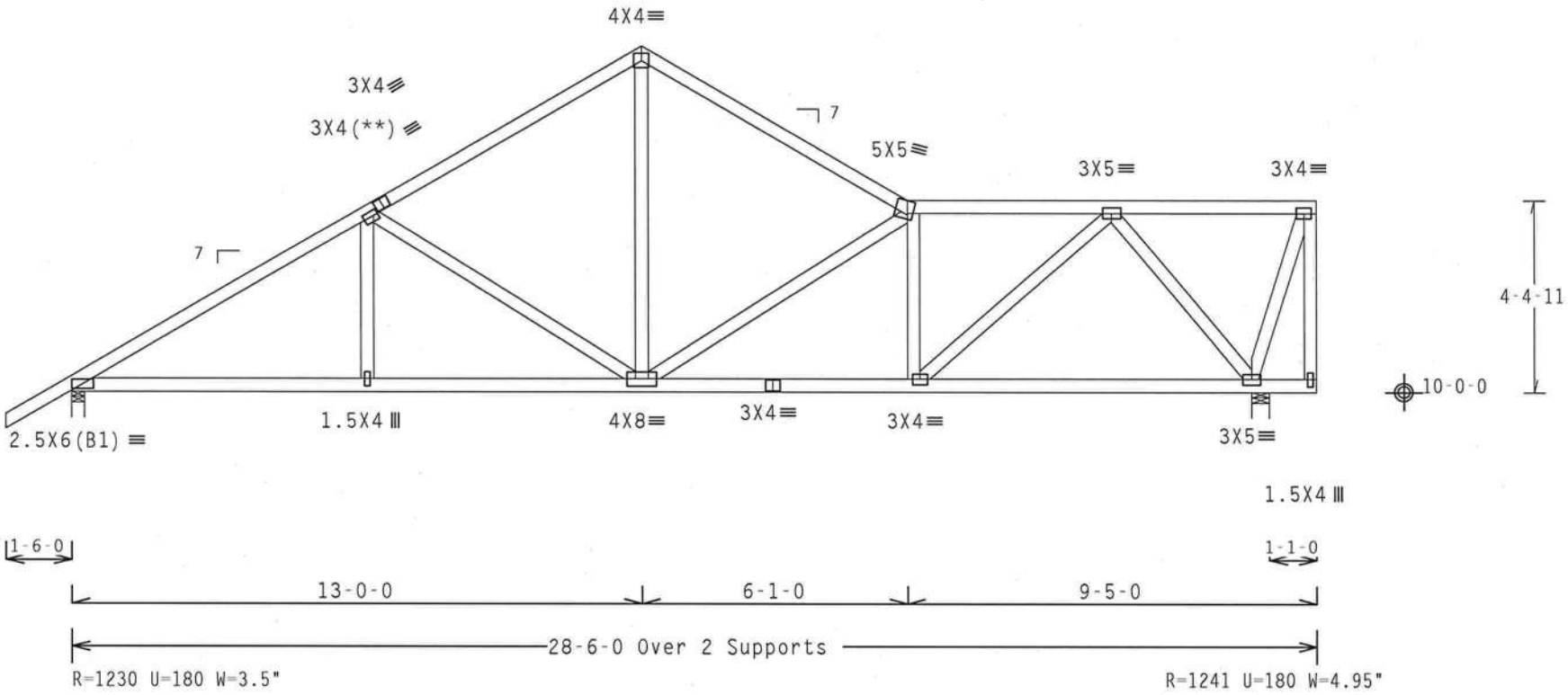
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12[illegible] TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56363
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039041
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151177
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

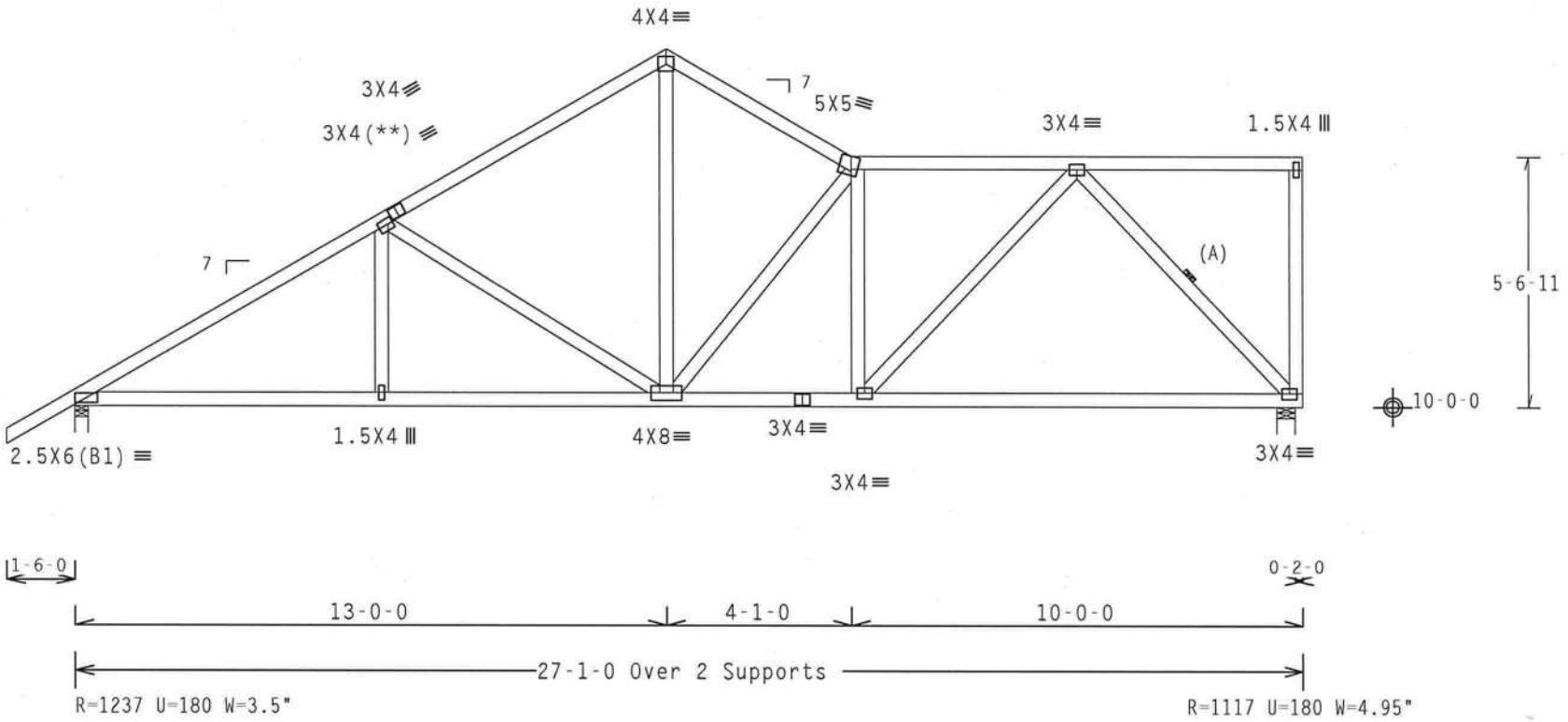
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1[illegible] TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #667

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56364
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039042
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151181
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

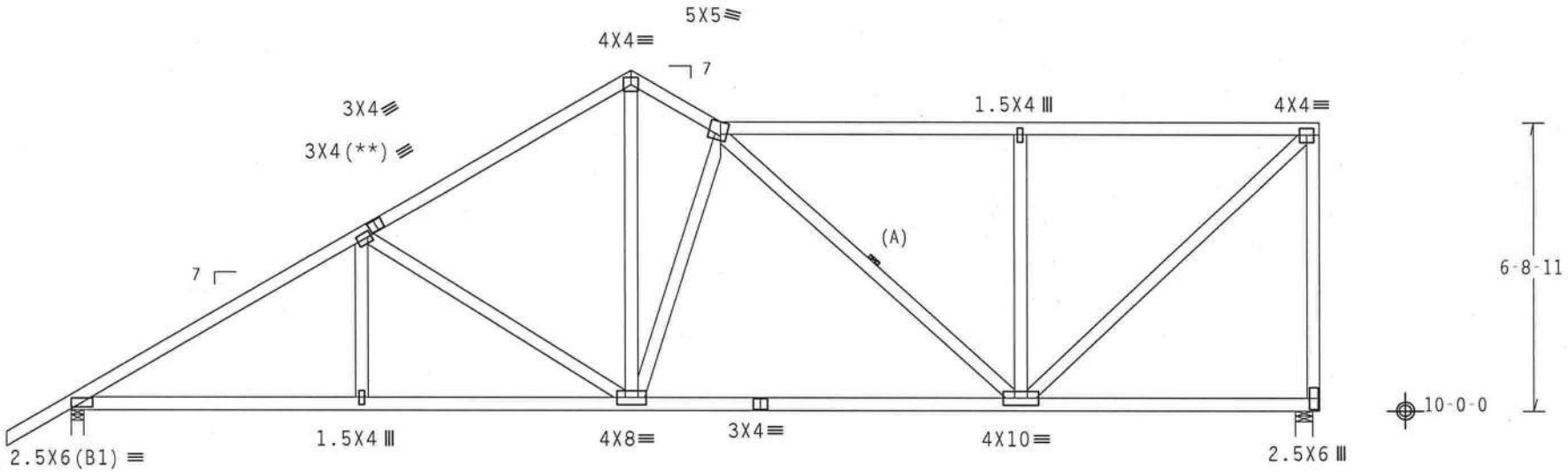
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

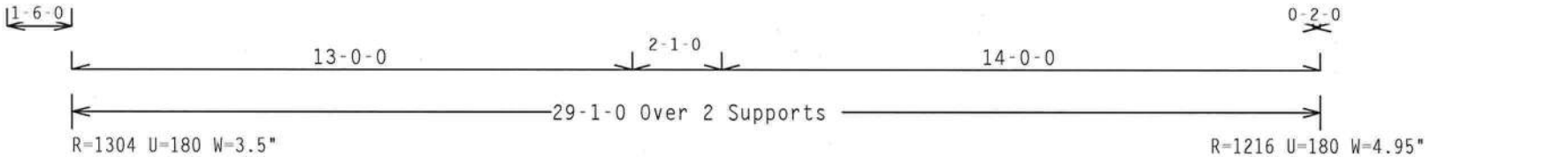
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF	R8228- 56365
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039043
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	151185
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - C8)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

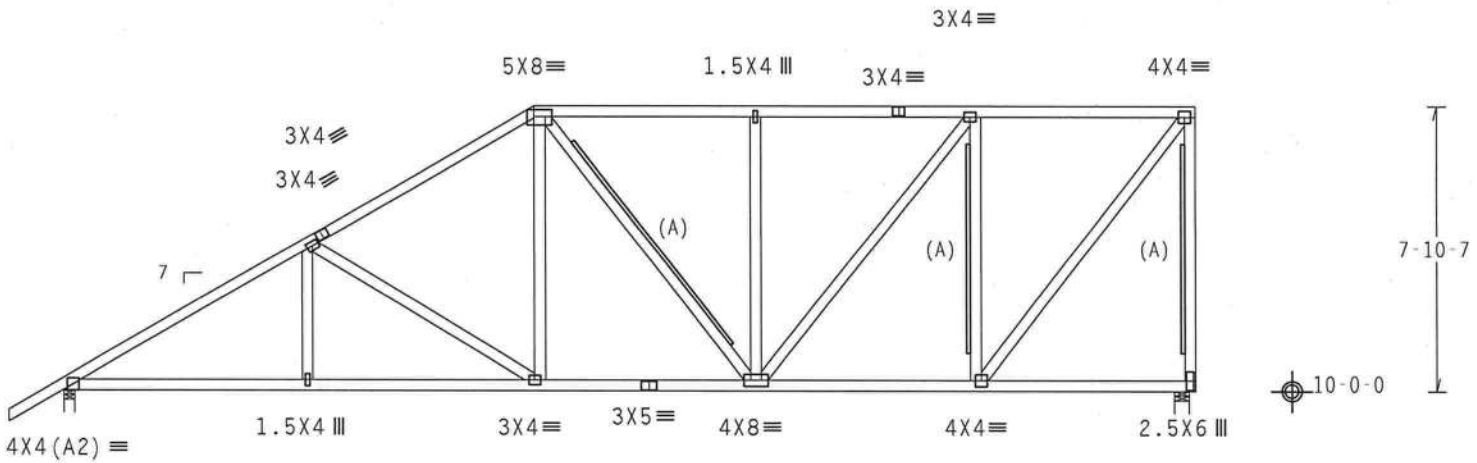
(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

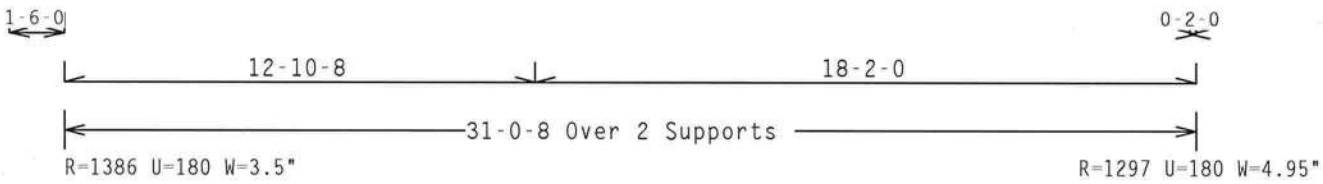
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #667

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF	R8228- 56366
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039002
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	151189
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - D GE)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

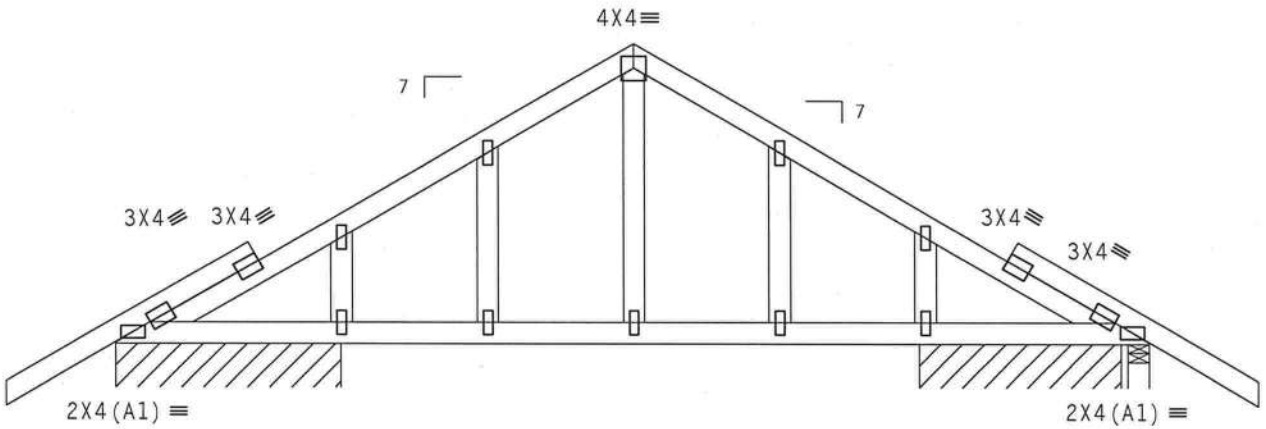
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

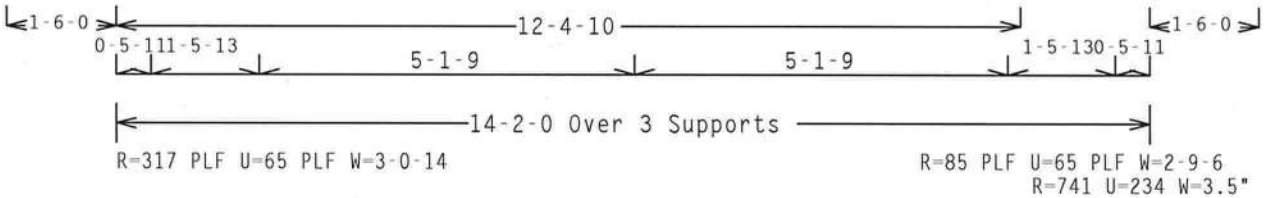
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Truss spaced at 24.0" OC designed to support 1-4-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.3 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #667

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 07 '07

TC LL	20.0 PSF	REF	R8228- 56367
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039044
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	150982
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

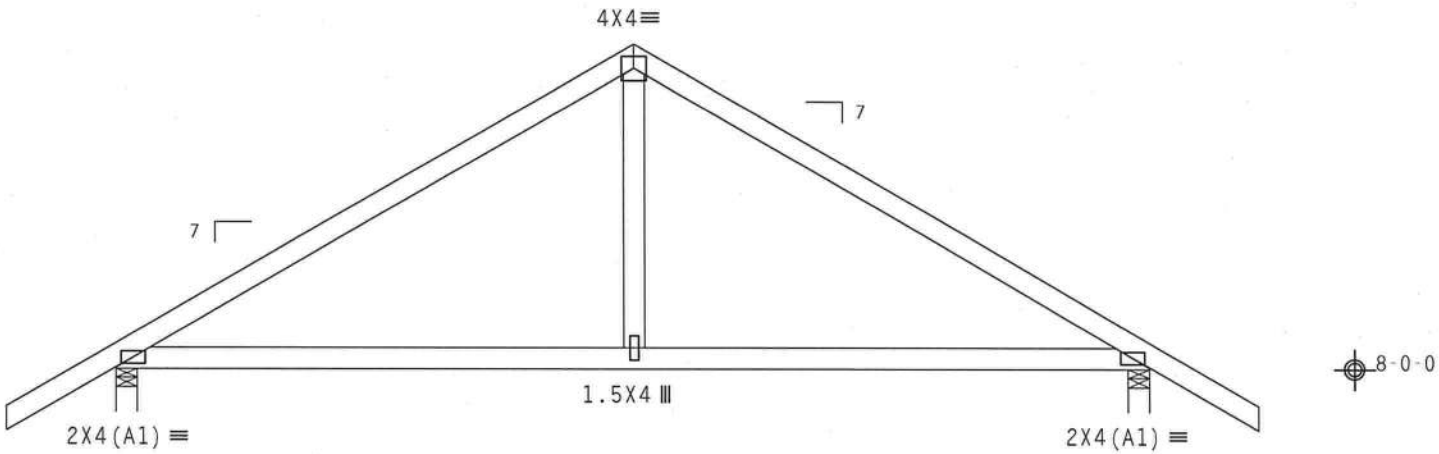
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 607

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56368
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039003
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 150985
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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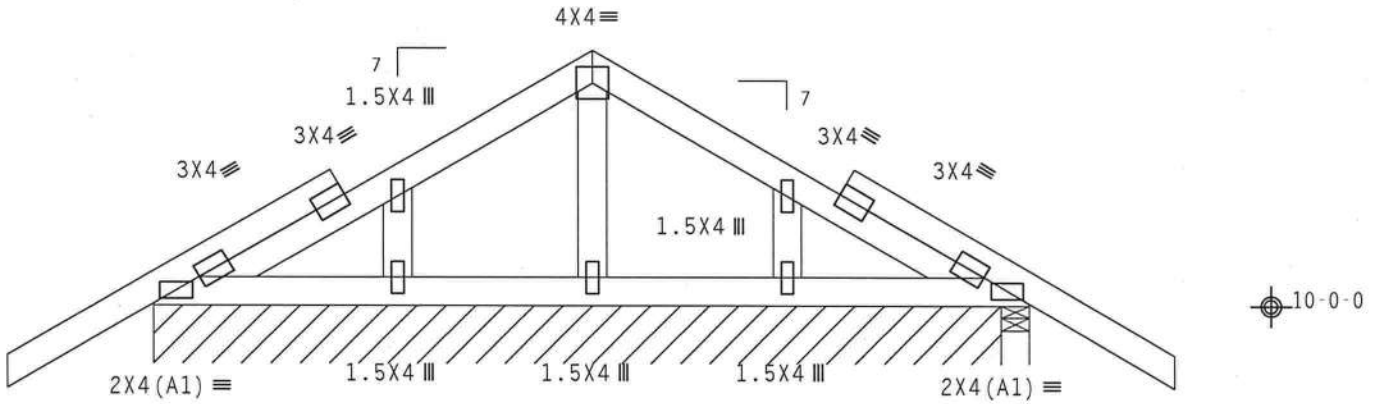
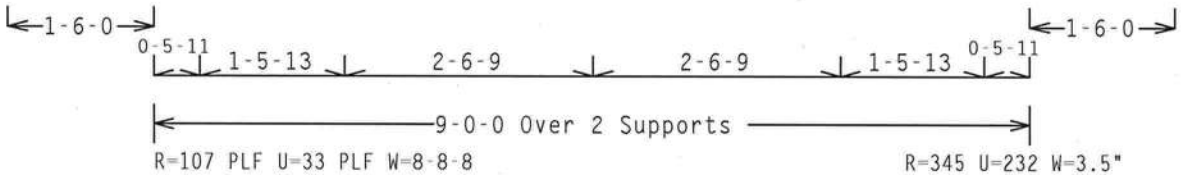
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Truss spaced at 24.0" OC designed to support 1-4-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ARTHUR B. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

TC LL	20.0 PSF	REF R8228- 56369
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039045
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151034
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

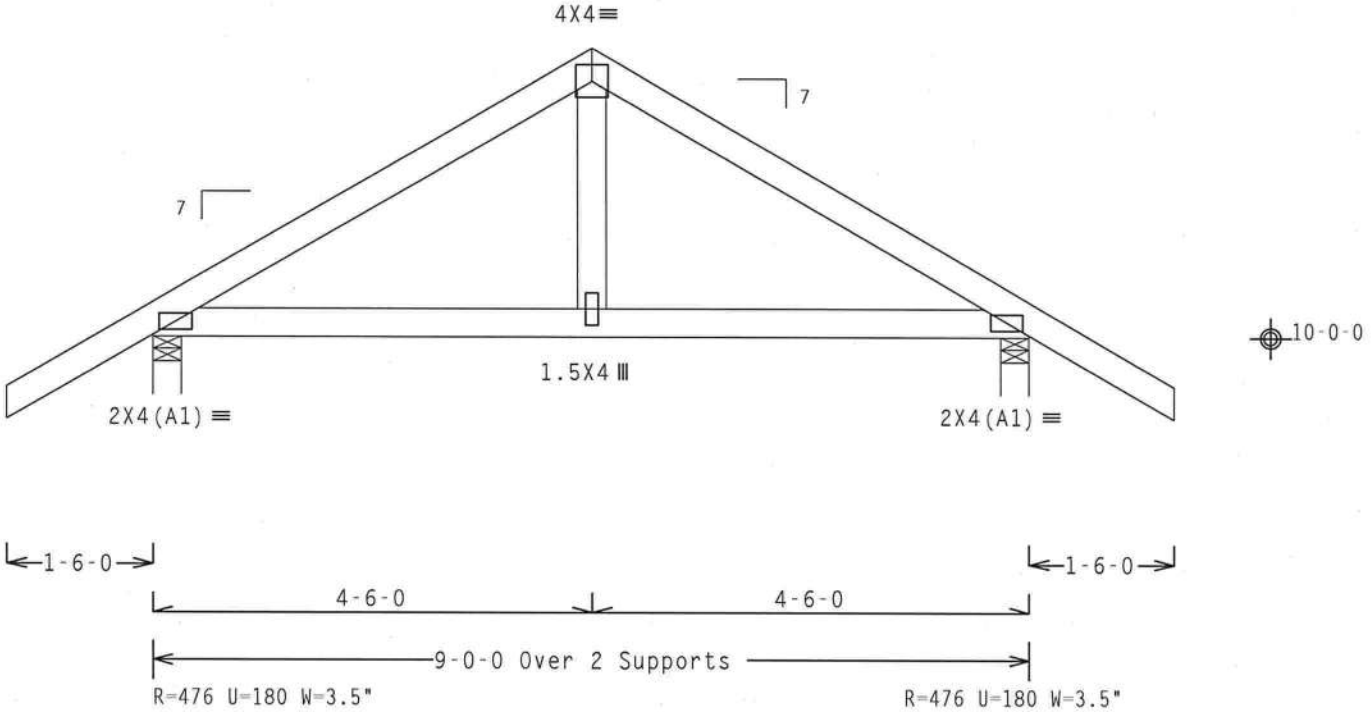
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
Fl. Certificate of Authorization #567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 07

TC LL	20.0 PSF	REF	R8228- 56370
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039004
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	151037
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - F1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

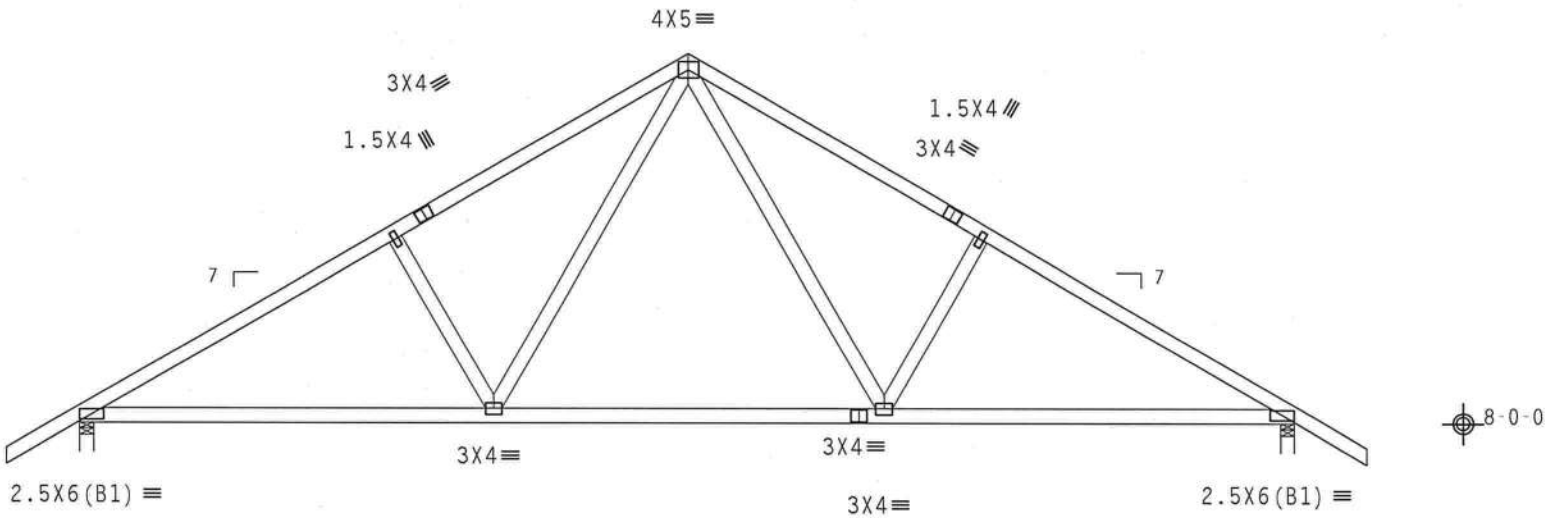
TC - From	63	PLF at	-1.50	to	63	PLF at 12.50
TC - From	63	PLF at	12.50	to	63	PLF at 26.50
BC - From	5	PLF at	-1.50	to	5	PLF at 0.00
BC - From	20	PLF at	0.00	to	20	PLF at 8.66
BC - From	70	PLF at	8.66	to	70	PLF at 16.51
BC - From	20	PLF at	16.51	to	20	PLF at 25.00
BC - From	5	PLF at	25.00	to	5	PLF at 26.50

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR A. FISHER
LICENSE
No. 59687
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0	PSF	REF R8228- 56371
TC DL	10.0	PSF	DATE 02/08/07
BC DL	10.0	PSF	DRW HCUSR8228 07039046
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN- 150948
DUR.FAC.	1.25		FROM JFB
SPACING	24.0"		JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - F GE)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	63 PLF	at -1.50	to	63 PLF	at 1.96
TC - From	63 PLF	at 1.96	to	63 PLF	at 12.50
TC - From	63 PLF	at 12.50	to	63 PLF	at 24.24
TC - From	63 PLF	at 24.24	to	63 PLF	at 26.50
BC - From	5 PLF	at -1.50	to	5 PLF	at 0.00
BC - From	20 PLF	at 0.00	to	20 PLF	at 8.66
BC - From	70 PLF	at 8.66	to	70 PLF	at 16.00
BC - From	70 PLF	at 16.00	to	70 PLF	at 16.51
BC - From	20 PLF	at 16.51	to	20 PLF	at 25.00
BC - From	5 PLF	at 25.00	to	5 PLF	at 26.50

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

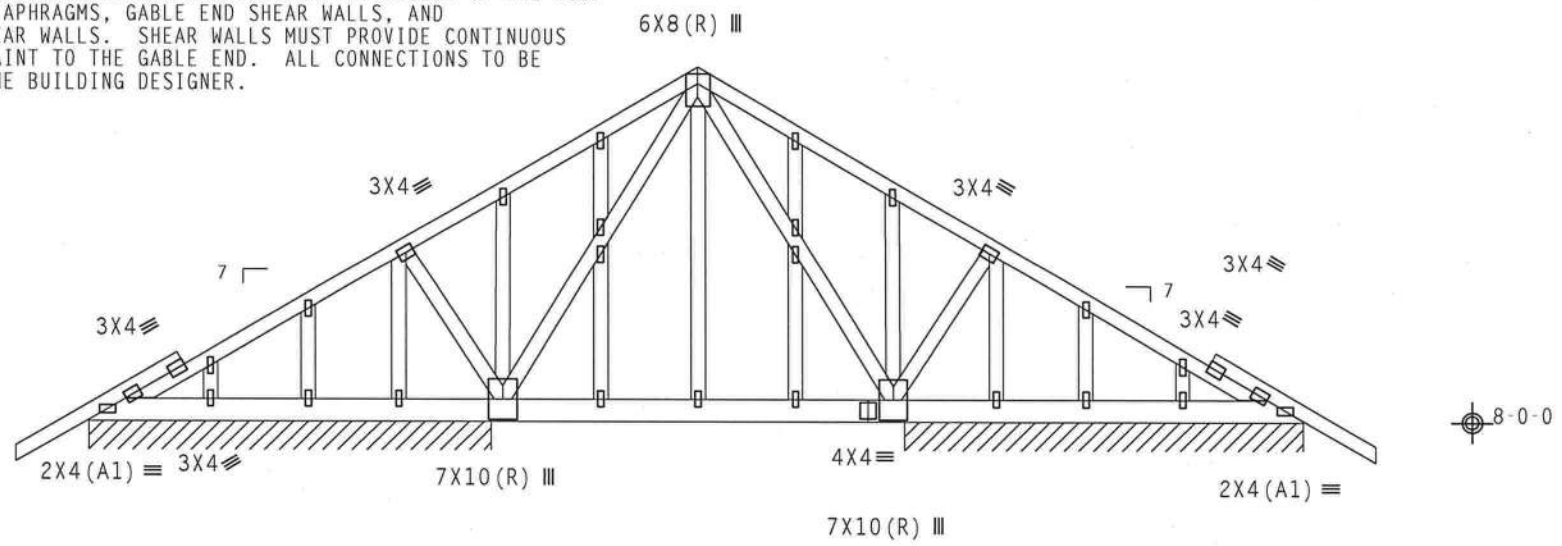
Wind reactions based on MWFRS pressures.

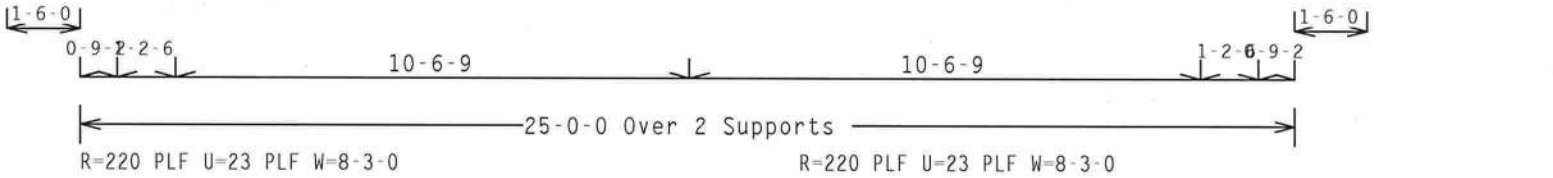
Truss spaced at 24.0" OC designed to support 1-4-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 08 '07

TC LL	20.0 PSF	REF	R8228- 56372
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039047
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	150978
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - D2 G)

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 7.08
TC - From 63 PLF at 7.08 to 63 PLF at 15.67
BC - From 20 PLF at 0.00 to 20 PLF at 14.17
BC - From 5 PLF at 14.17 to 5 PLF at 15.67
BC - 1204 LB Conc. Load at 1.10
BC - 1287 LB Conc. Load at 3.10
BC - 1351 LB Conc. Load at 5.10
BC - 3463 LB Conc. Load at 7.10

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

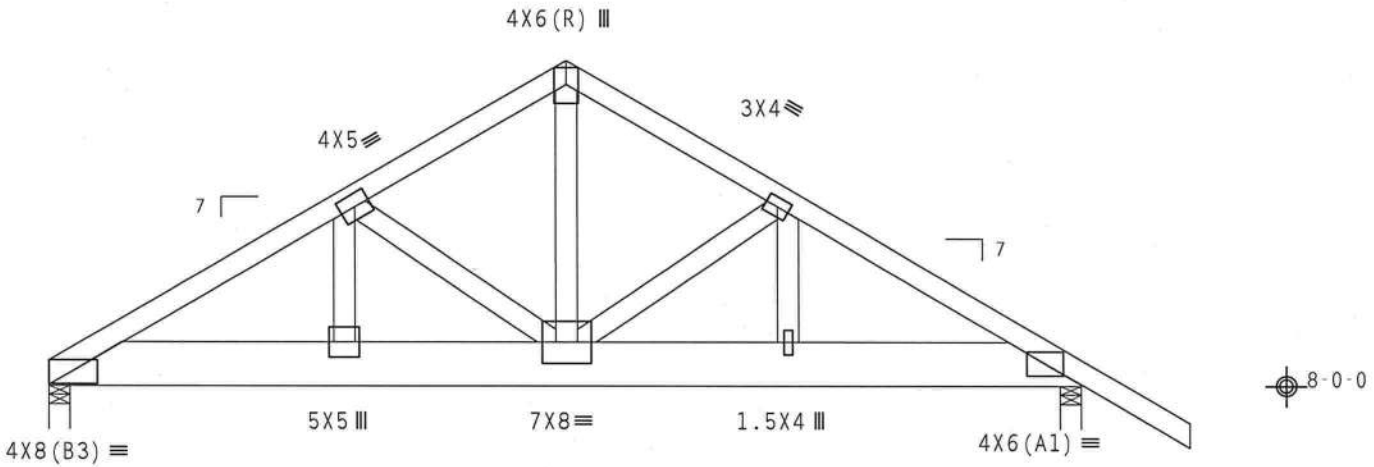
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24. .10 TY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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TC LL	20.0 PSF	REF	R8228- 56373
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039048
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	151030
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - G GE)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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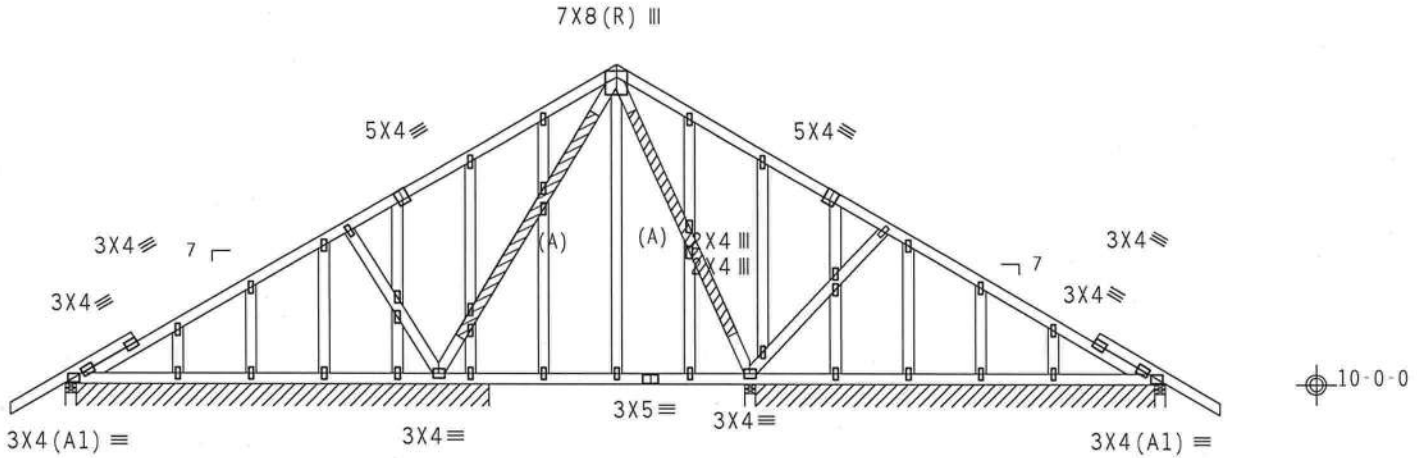
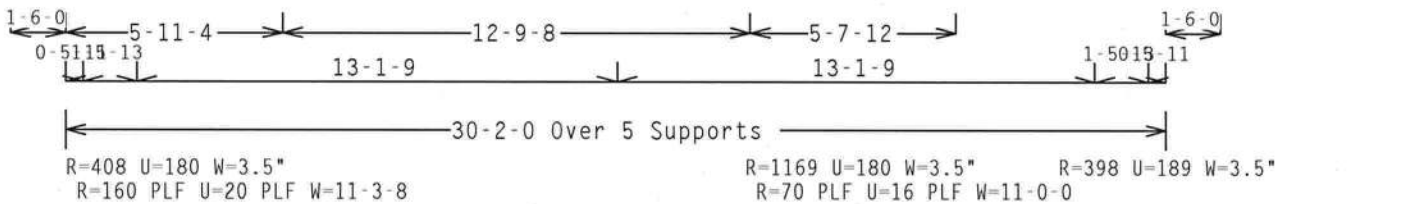
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Truss spaced at 24.0" OC designed to support 1-4-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.





Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

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Haines City, FL 33844
FL Certificate of Authorization #567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56374
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039049
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151043
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

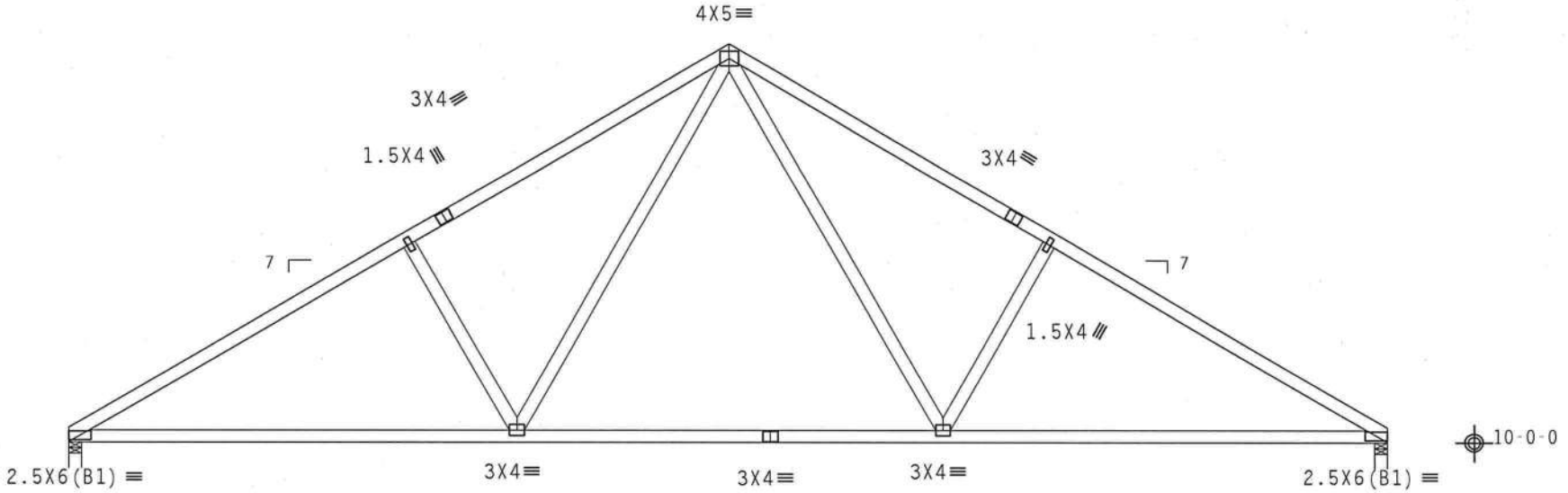
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
Fl Certificate of Authorization #667

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (H, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56375
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039005
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 151047
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - C9 G)

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3 :W10 2x4 SP #2 Dense:
:W11 2x6 SP #2:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at -1.50 to 63 PLF at 13.50
TC - From 63 PLF at 13.50 to 63 PLF at 31.92
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 31.92
BC - 2336 LB Conc. Load at 7.06
BC - 939 LB Conc. Load at 9.06, 11.06, 13.06, 15.06, 17.06
19.06, 21.06, 23.06
BC - 927 LB Conc. Load at 25.06, 27.06, 29.06, 31.06

Wind reactions based on MWFRS pressures.

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach to each web ply with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

(1) 2x8X6-6-0 SP #1 Dense Bottom chord scab centered 6-8-2 from left end. Attach to one face of chord with (4) rows of 12d_Common_(0.148"x3.25",_min.)_nails @ 6" O.C., staggered 3".

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 4.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Bearing blocks: Nail type: 12d_Common_(0.148"x3.25",_min.)_nails

BRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
1	0.000'	1	12"	4	Rigid Surface

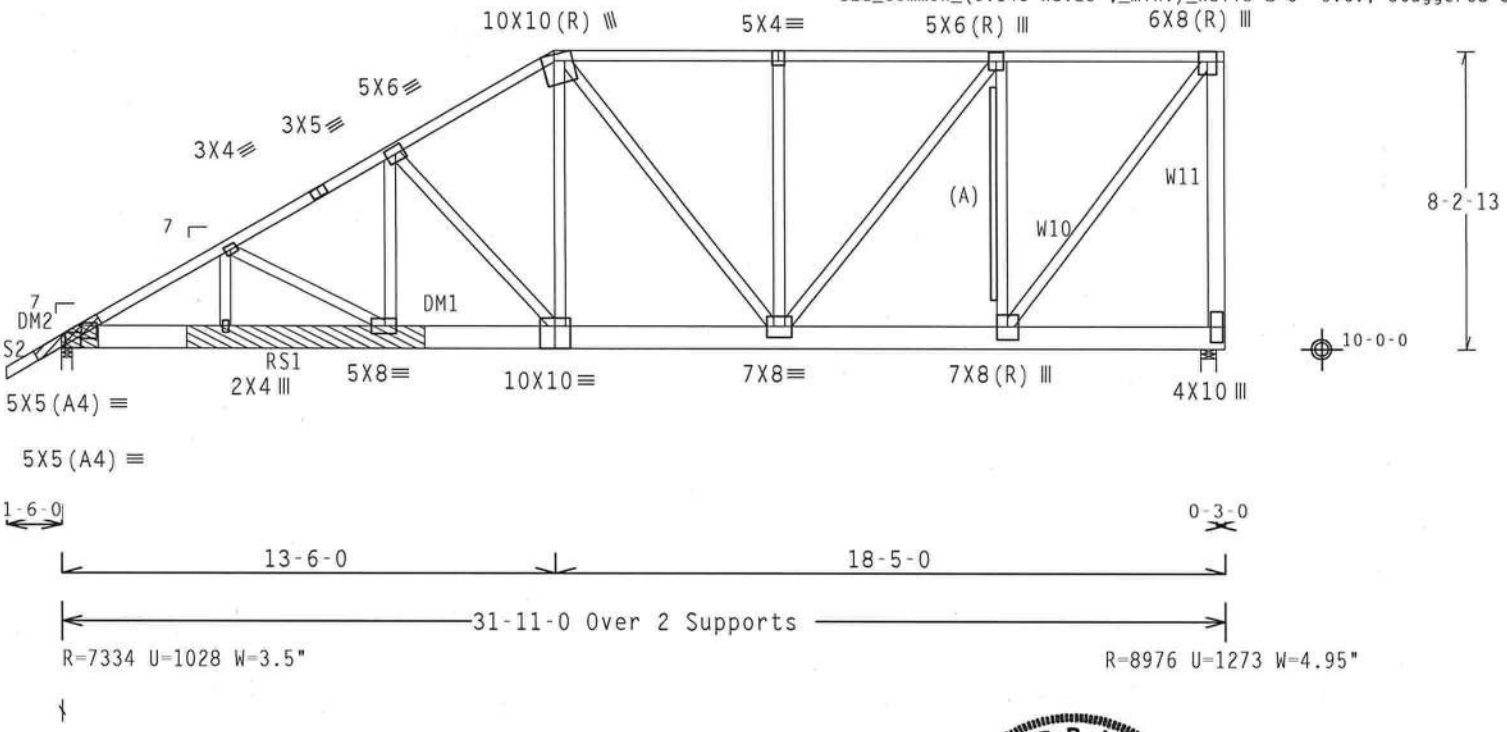
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 for additional information.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

(1) 2x4X2-0-0 SP #2 Dense Top chord scab centered 0-2-14 from left end. Attach to one face of chord with (2) rows of 12d_Common_(0.148"x3.25",_min.)_nails @ 6" O.C., staggered 3".



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 56376
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039050
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	151136
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 15.08
TC - From 63 PLF at 15.08 to 63 PLF at 30.17
BC - From 20 PLF at 0.00 to 20 PLF at 30.17
BC - 927 LB Conc. Load at 1.19, 3.19, 5.19, 7.19, 9.19 11.19, 13.19, 15.19, 17.19, 17.81, 19.81, 21.81, 23.81, 25.81 27.81, 29.81

Wind reactions based on MWFRS pressures.

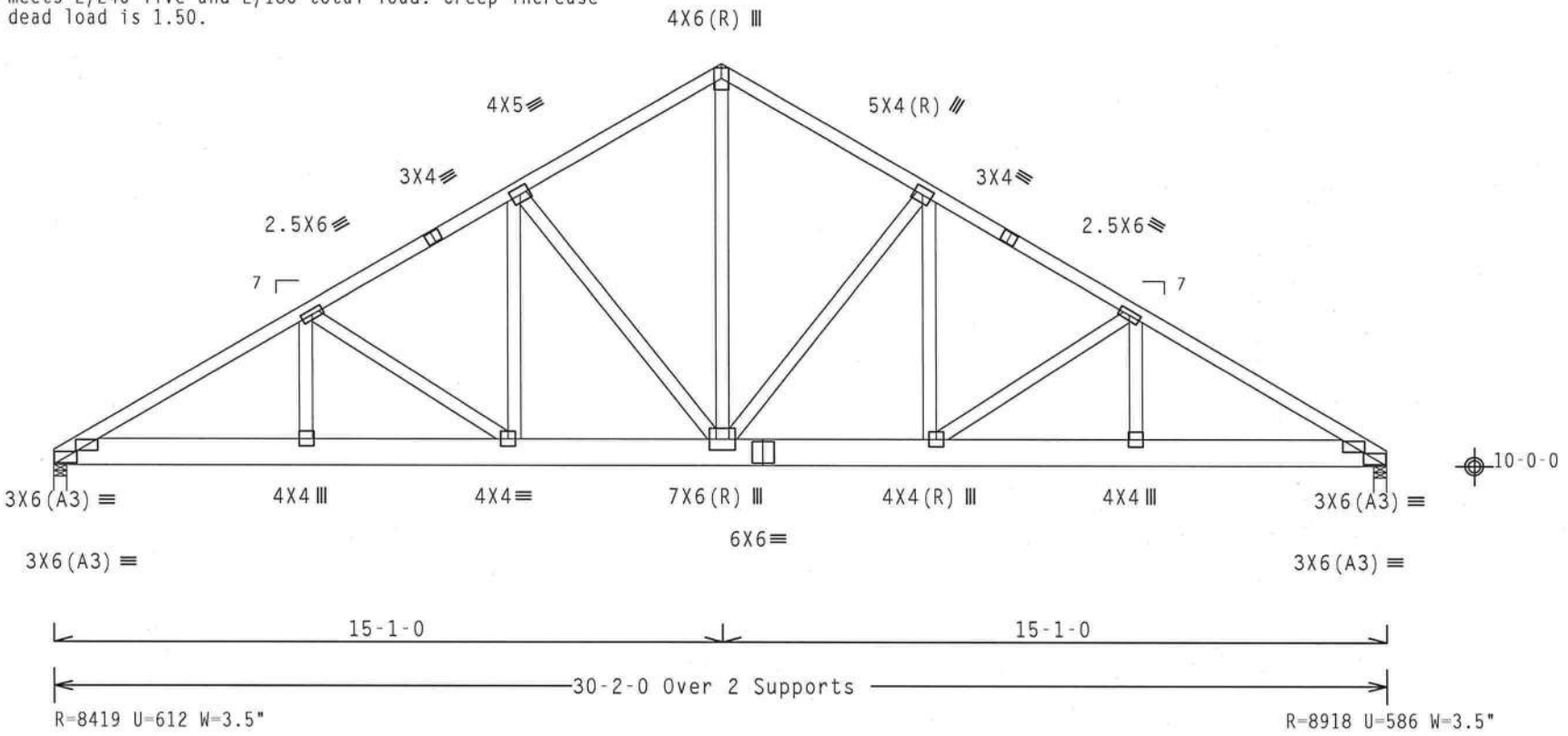
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.75" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF	R8228- 56377
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039051
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	151127
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - EJ7)

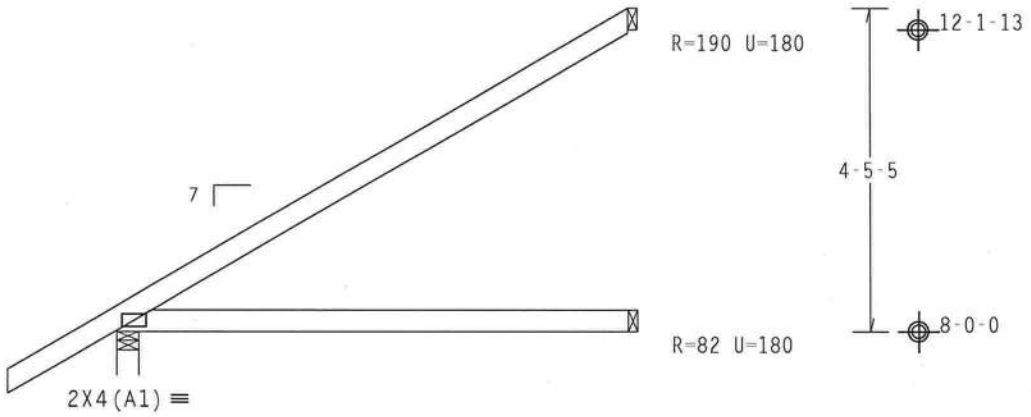
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59657 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF	R8228- 56378
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039006
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	150988
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

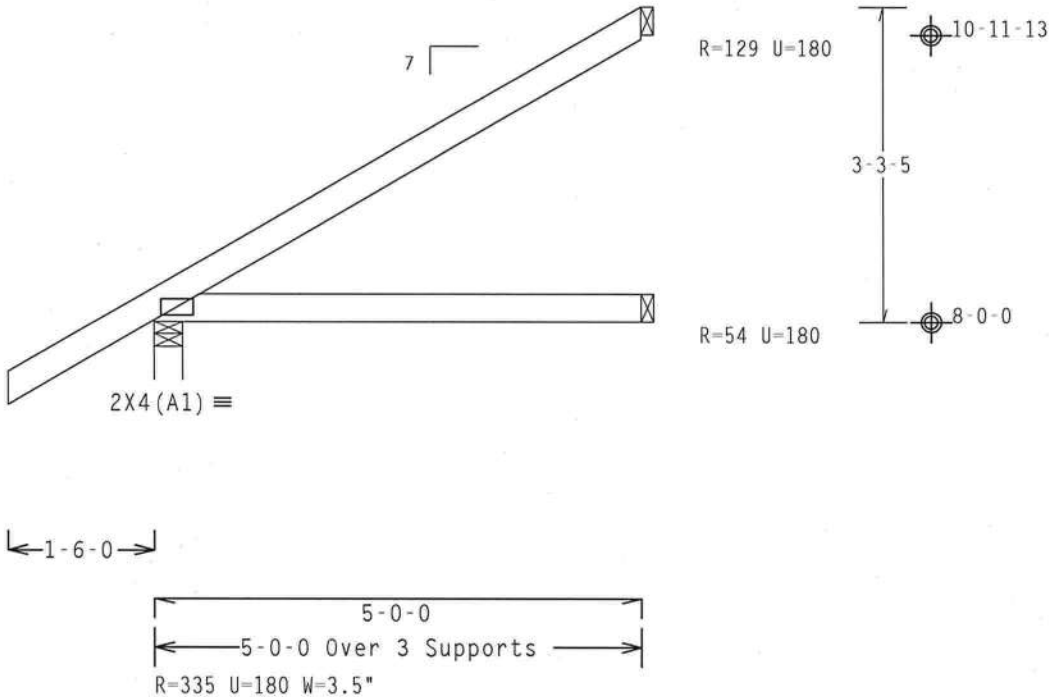
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 08 07

TC LL	20.0 PSF	REF R8228- 56379
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039061
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 150995
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

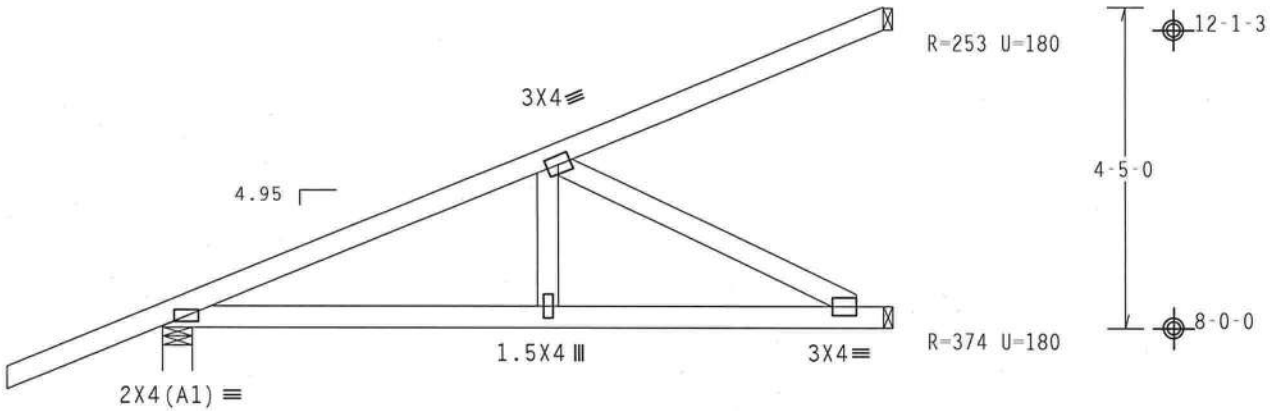
Wind reactions based on MWFRS pressures.

Hipjack supports 7-0-0 setback jacks with no webs.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56380
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039052
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151010
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - HJ7A)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

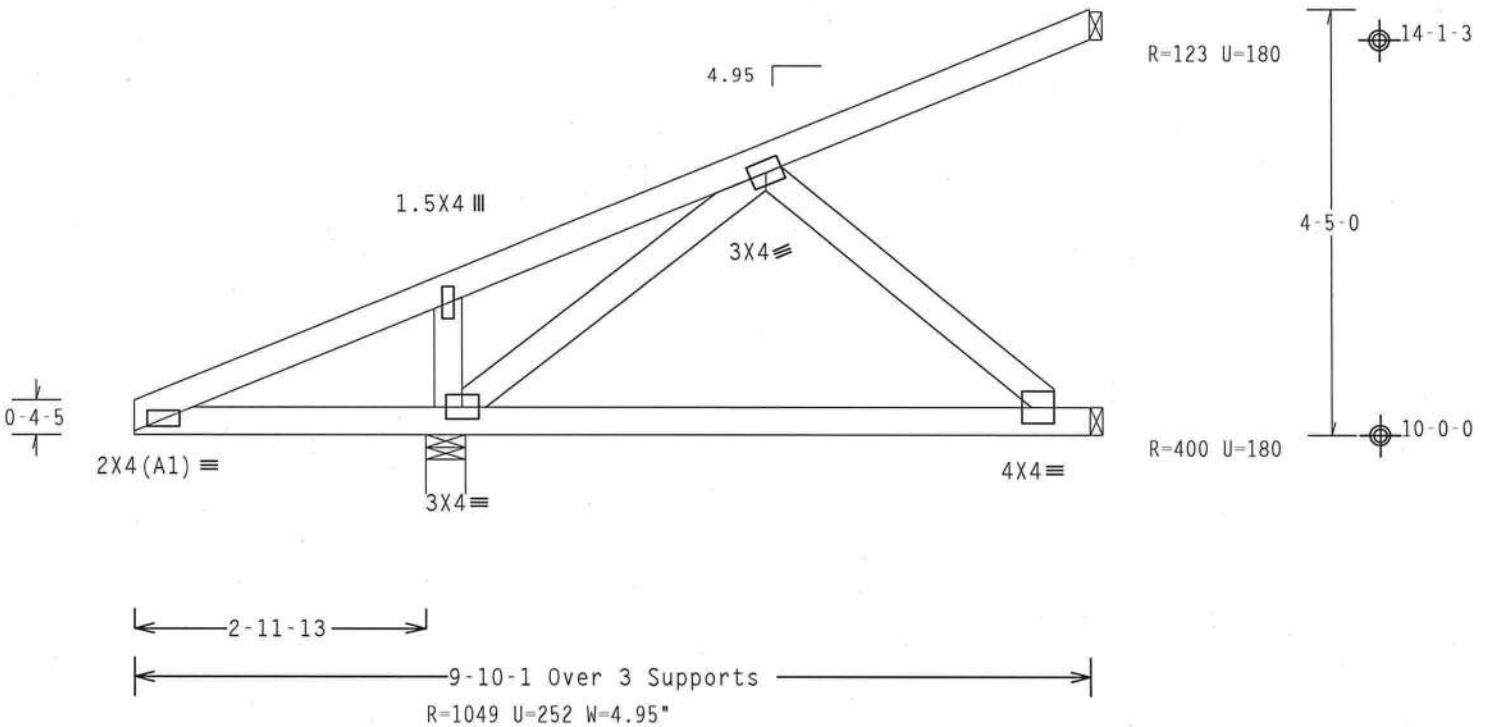
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 9.84
BC - From 20 PLF at 0.00 to 20 PLF at 9.84
TC - 126 LB Conc. Load at 4.24
TC - 259 LB Conc. Load at 7.07
BC - 126 LB Conc. Load at 4.24
BC - 259 LB Conc. Load at 7.07

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF	R8228- 56381
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039053
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	151245
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - CJ3)

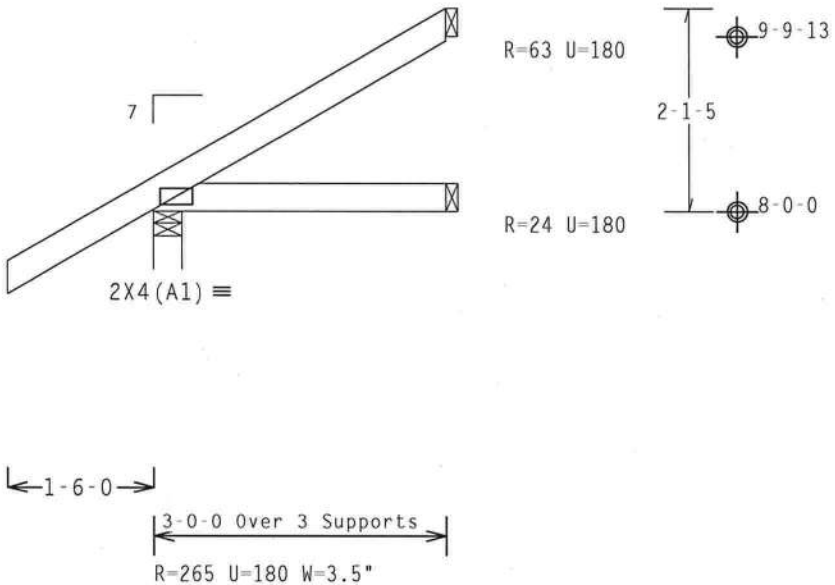
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56382
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039007
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 151001
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

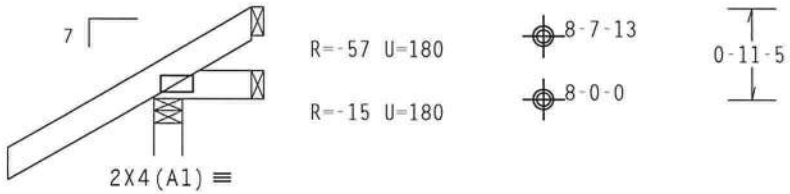
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

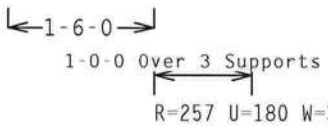
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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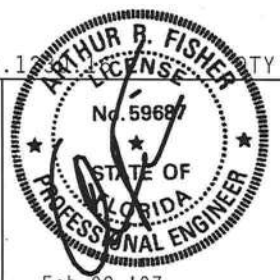


Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56383
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039054
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151004
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - HJ1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

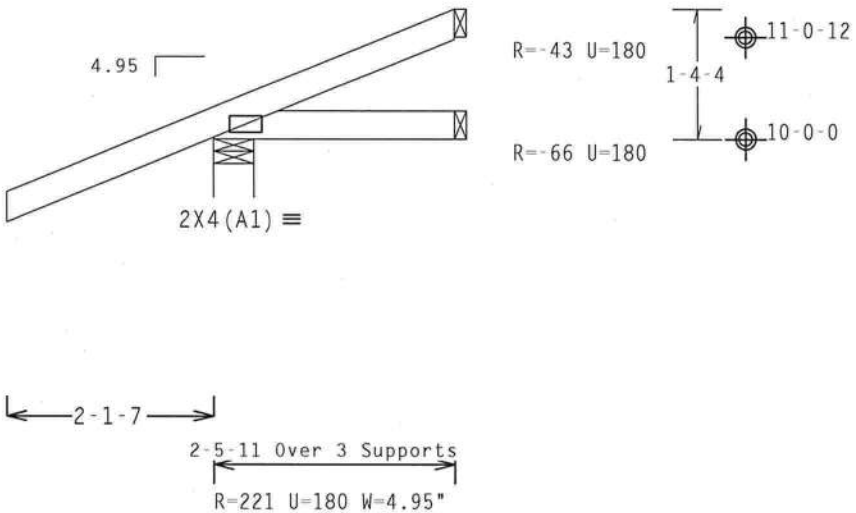
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -2.12 to 62 PLF at 2.47
BC - From 4 PLF at -2.12 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 2.47
TC - -115 LB Conc. Load at 1.48
BC - -115 LB Conc. Load at 1.48

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56384
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039055
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151236
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - EJ7A)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

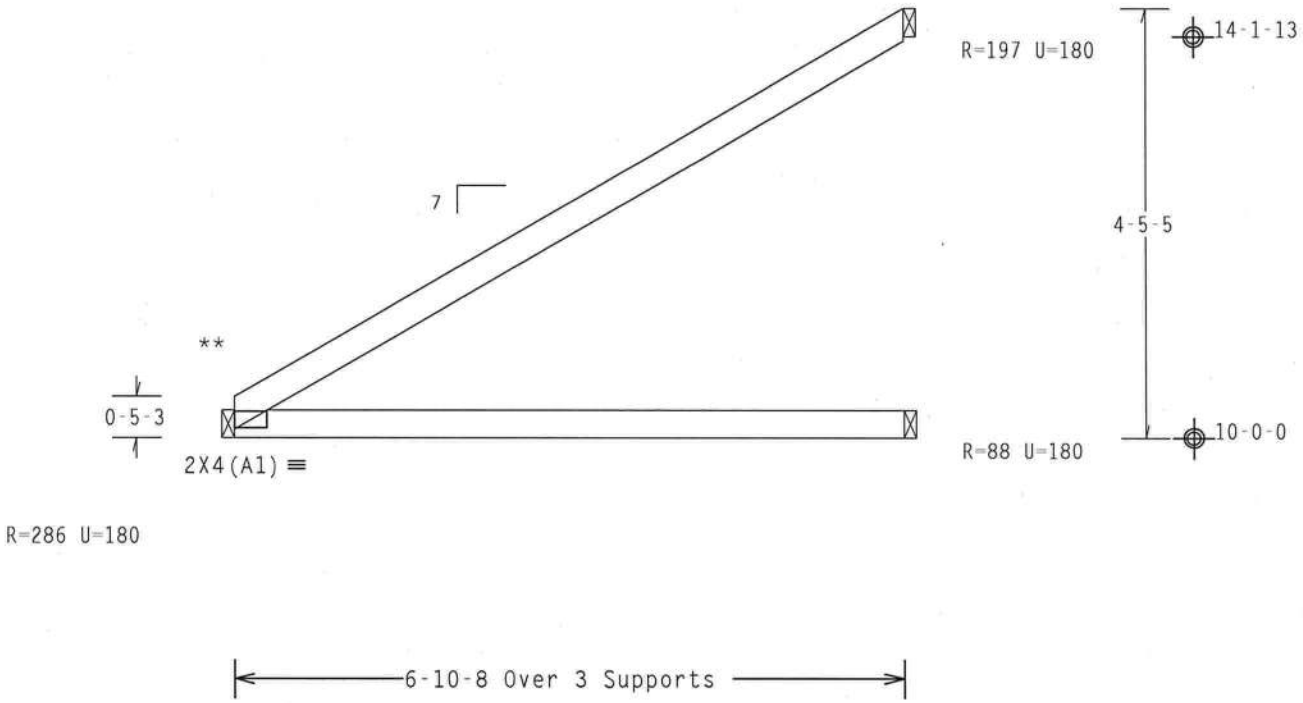
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

** FASCIA BEAM DESIGNED AND FURNISHED BY OTHERS. PROVIDE CONNECTION FOR REACTIONS SHOWN.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
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Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56385
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039008
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 151194
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

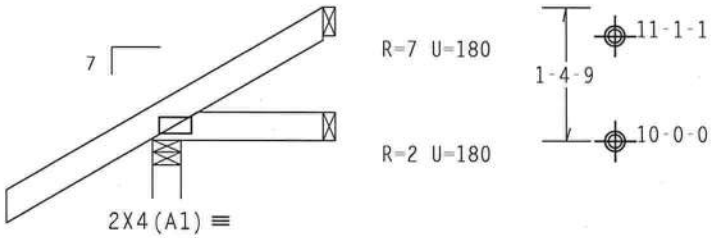
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

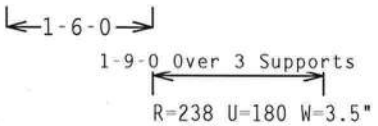
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.





Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

PLT TYP. Wave QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
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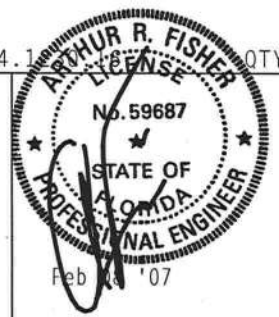


TC LL	20.0 PSF	REF R8228- 56386
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039009
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 151233
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3

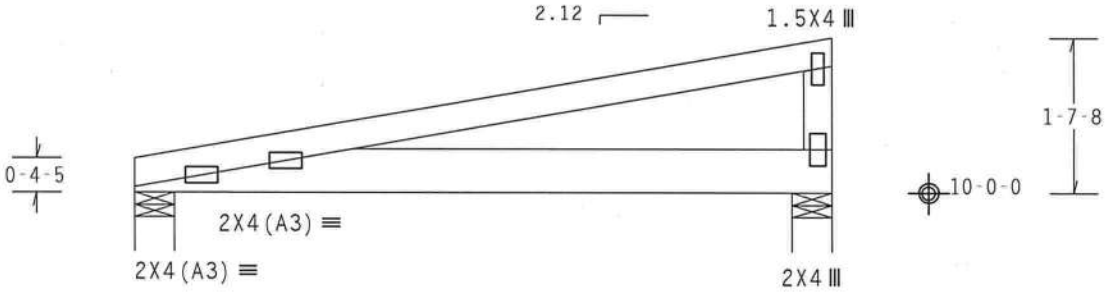
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 7.16
BC - From 20 PLF at 0.00 to 20 PLF at 7.16
BC - 286 LB Conc. Load at 1.94
BC - 282 LB Conc. Load at 3.94
BC - 280 LB Conc. Load at 5.94

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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ALPINE
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Haines City, FL 33844
FL Certificate of Authorization # 667

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56387
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039056
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151207
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

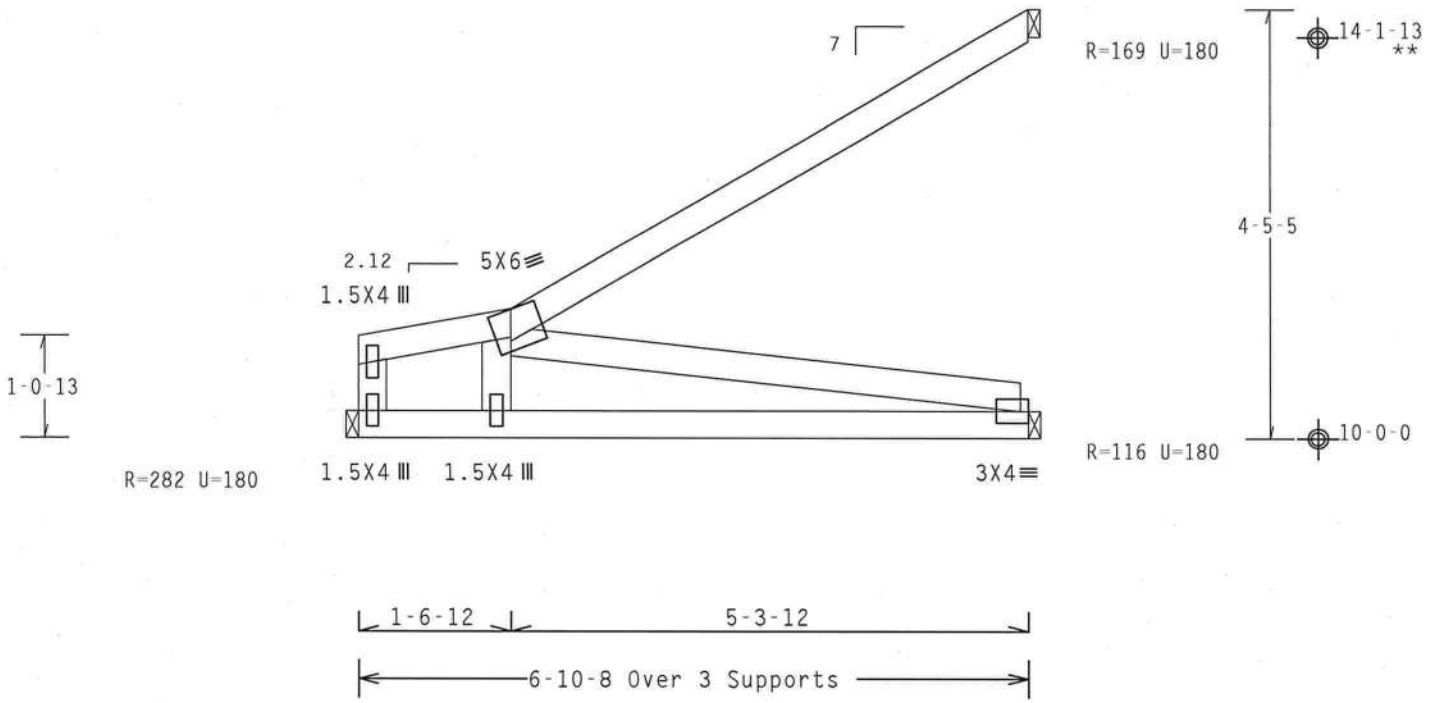
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #667

ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Feb 08 '07

TC LL	20.0 PSF	REF	R8228- 56388
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039057
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	151200
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

(7-041--Milton Builders ROWAN RES. -- , ** - M3)

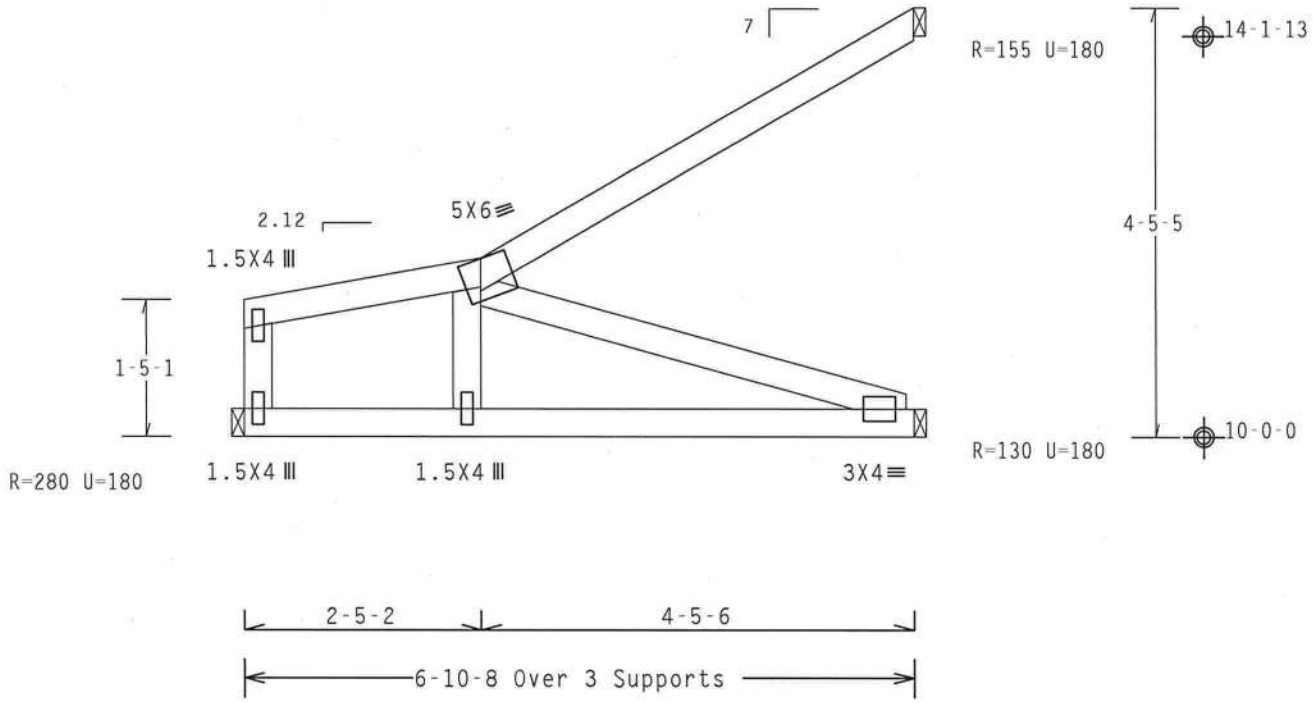
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 [illegible]Y:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Feb 08 '07

TC LL	20.0 PSF	REF R8228- 56389
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039058
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151204
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

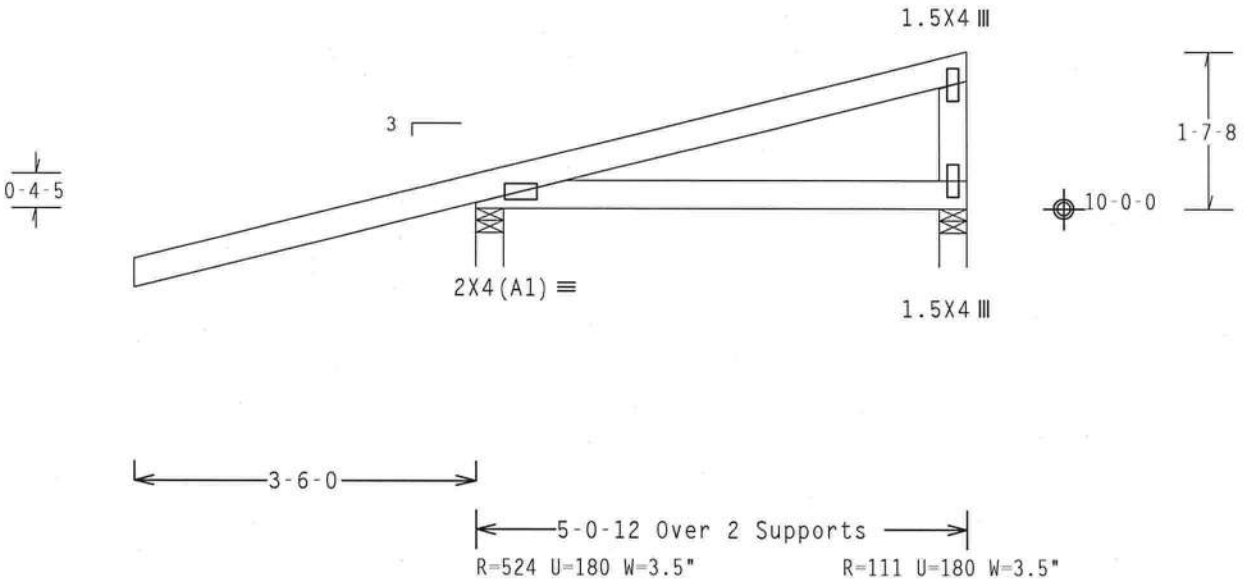
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Top chord overhangs have been checked only for loads as indicates. Overhangs not checked for man loads or long-term deflection.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #567

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Feb 08 '07

TC LL	20.0 PSF	REF	R8228- 56390
TC DL	10.0 PSF	DATE	02/08/07
BC DL	10.0 PSF	DRW	HCUSR8228 07039059
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	151230
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4P8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at -1.50 to 63 PLF at 1.75
TC - From 63 PLF at 1.75 to 63 PLF at 8.17
TC - From 63 PLF at 8.17 to 63 PLF at 11.42
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 9.92
BC - From 5 PLF at 9.92 to 5 PLF at 11.42
TC - -43 LB Conc. Load at 1.75, 8.17
TC - 7 LB Conc. Load at 1.81, 3.81, 4.96, 6.10, 8.10
TC - 129 LB Conc. Load at 1.92
BC - -66 LB Conc. Load at 1.75, 8.17
BC - 2 LB Conc. Load at 1.81, 4.96, 6.10, 8.10
BC - 129 LB Conc. Load at 1.92
BC - 1677 LB Conc. Load at 3.90
BC - 777 LB Conc. Load at 5.90
BC - 787 LB Conc. Load at 7.90

2 COMPLETE TRUSSES REQUIRED

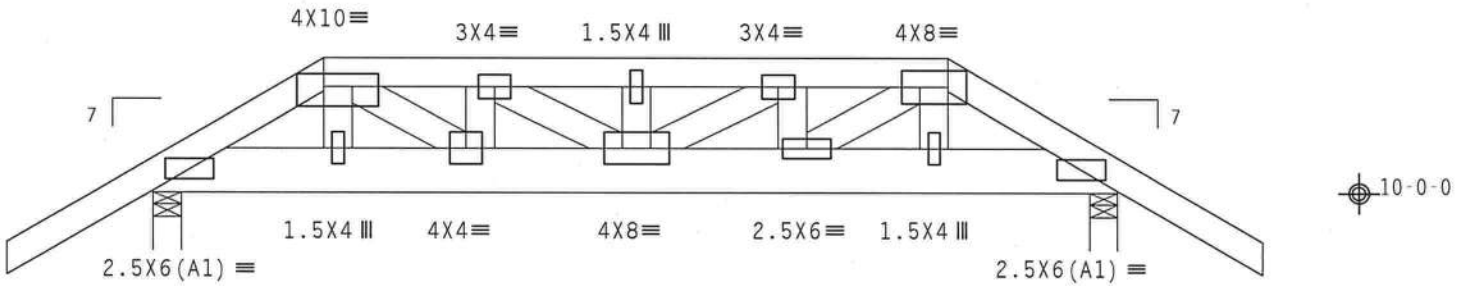
Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 5.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

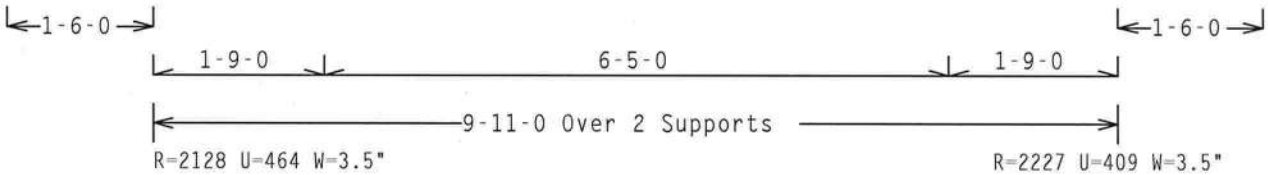
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible]EY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ARTHUR R. FISHER LICENSE No. 69687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 08 '07

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #567

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TC LL	20.0 PSF	REF R8228- 56391
TC DL	10.0 PSF	DATE 02/08/07
BC DL	10.0 PSF	DRW HCUSR8228 07039060
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 151239
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4P8228Z01

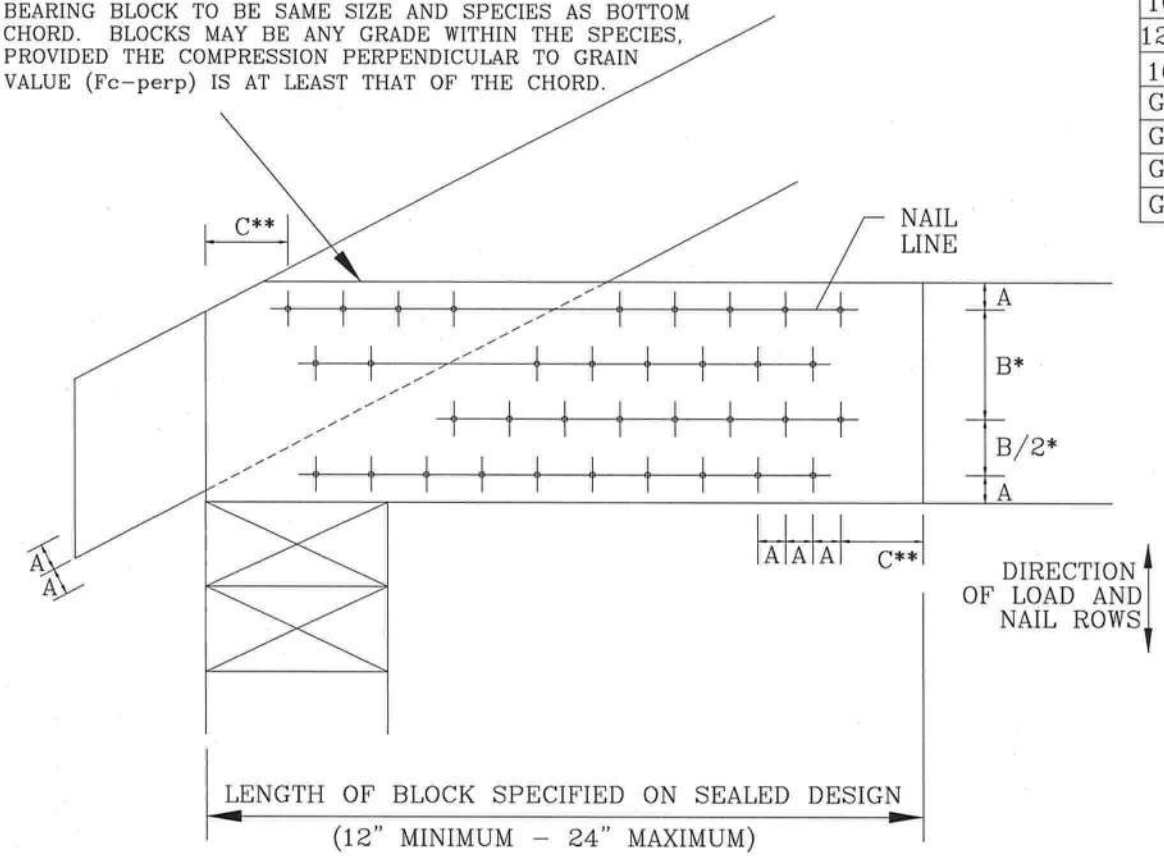
BEARING BLOCK NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

A – EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
B – SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C – END DISTANCE (15 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
- • SPACING MAY BE REDUCED BY 50%
- •• SPACING MAY BE REDUCED BY 33%

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (Fc-perp) IS AT LEAST THAT OF THE CHORD.



MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

NAIL TYPE	CHORD SIZE 2X4	2X6	2X8	2X10	2X12
8d BOX (0.113"X 2.5",MIN)	3	6	9	12	15
10d BOX (0.128"X 3.",MIN)	3	5	7	10	12
12d BOX (0.128"X 3.25",MIN)	3	5	7	10	12
16d BOX (0.135"X 3.5",MIN)	3	5	7	10	12
20d BOX (0.148"X 4.",MIN)	2	4	5	6	8
8d COMMON (0.131"X 2.5",MIN)	3	5	7	10	12
10d COMMON (0.148"X 3.",MIN)	2	4	6	8	10
12d COMMON (0.148"X 3.25",MIN)	2	4	6	8	10
16d COMMON (0.162"X 3.5",MIN)	2	4	6	8	10
GUN (0.120"X 2.5",MIN)	3	6	8	11	14
GUN (0.131"X 2.5",MIN)	3	5	7	10	12
GUN (0.120"X 3.",MIN)	3	6	8	11	14
GUN (0.131"X 3.",MIN)	3	5	7	10	12

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES A	B*	C**
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"X 3.",MIN)	7/8"	1 5/8"	2"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"X 4.",MIN)	1"	1 7/8"	2 1/4"
8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"
10d COMMON (0.148"X 3.",MIN)	1"	1 7/8"	2 1/4"
12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"
16d COMMON (0.162"X 3.5",MIN)	1'	2"	2 1/2"
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"
GUN (0.120"X 3.",MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 3.",MIN)	7/8"	1 5/8"	2"

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REF	BEARING BLOCK
DATE	11/1/06
DRWG	CNBRGBLK1106
-ENG	SJP/KAR

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

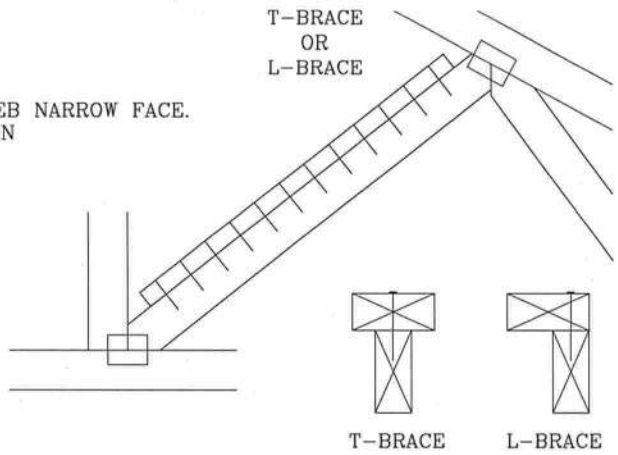
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

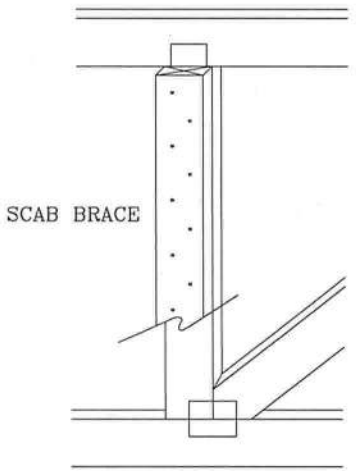
T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 10d BOX OR GUN (0.128"x 3.",MIN) NAILS.
AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN (0.128"x 3.",MIN) NAILS.
AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

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POMPANO BEACH, FLORIDA

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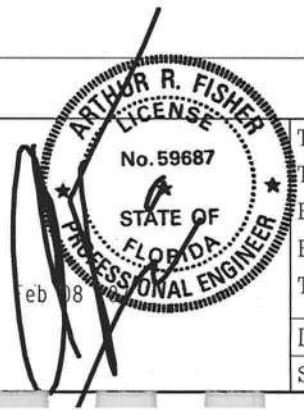


TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/1/06
BC DL	PSF	DRWG	BRCLBSUB1106
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

ASCE 7-02: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"
		#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"
		STANDARD	3' 9"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"
	SP DFL	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"
		STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"
16" O.C.	SPF HF	#1 / #2	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 4"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"
	SP DFL	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 6"	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 9"	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	
#1 / #2	STANDARD
#3	STUD

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE
#3
STUD
STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

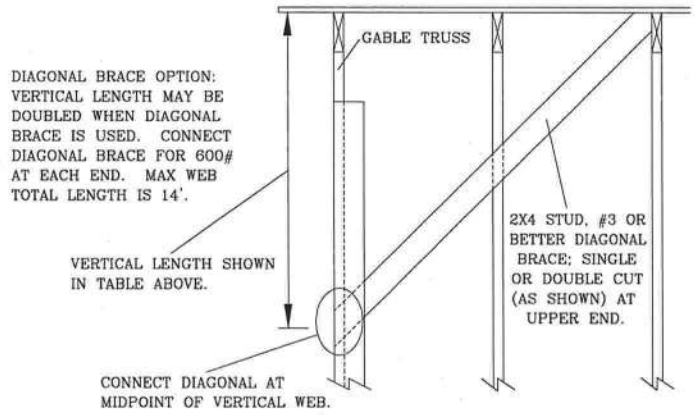
ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

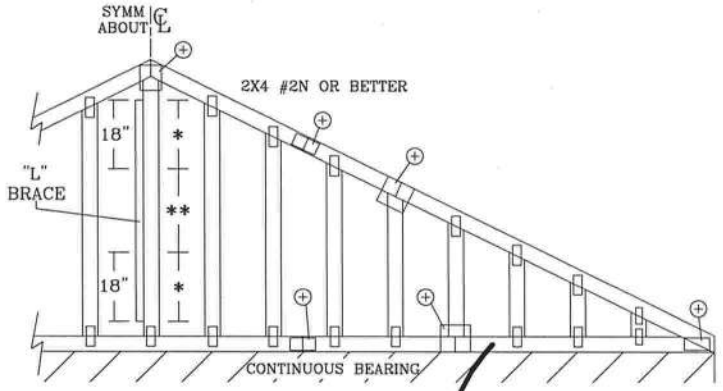
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

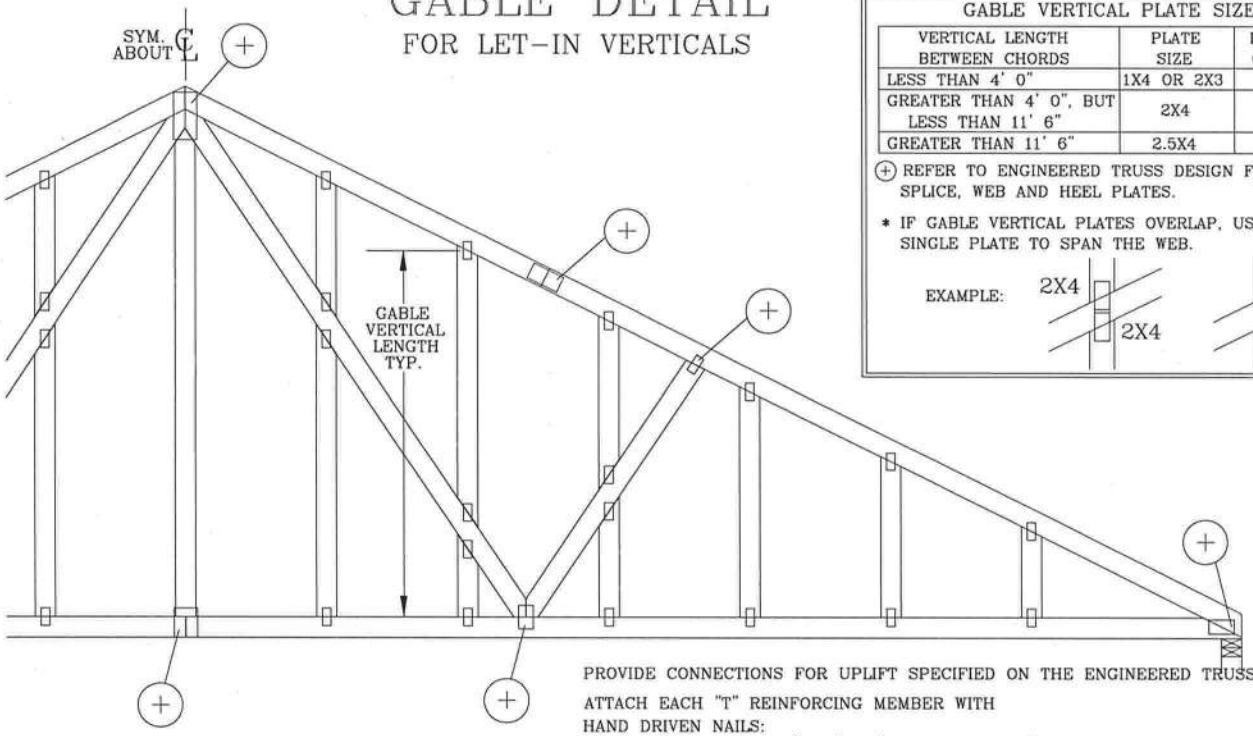
Feb 06

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11015
DATE	11/1/06
DRWG	A11015EE1106
-ENG	

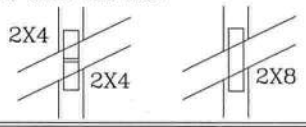
GABLE DETAIL
FOR LET-IN VERTICALS

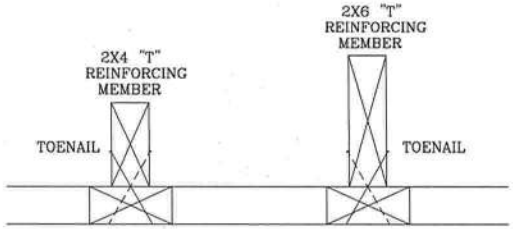


GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE: 



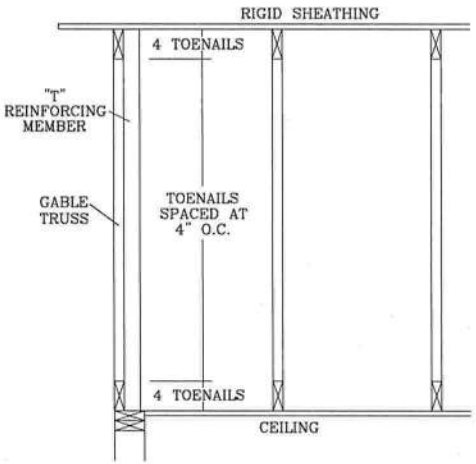
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:
ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT
GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON (0.148"X 3.",MIN) TOENAILS AT 4" O.C. PLUS
(4) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS:
8d COMMON (0.131"X 2.5",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08515EE0405,
A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08530EE0405

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 06

MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"

REF	LET-IN VERT
DATE	11/1/06
DRWG	GBLLETIN1106
-ENG	DLJ/KAR

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 536 SE Baya Dr.
City Lake City Phone 386-752-1703

Site Location: Subdivision Lakewood Est.
Lot # 7 Block# _____ Permit # 25716
Address 182 NW Emporia Glen.

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☒ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Perimeter	328	328	65

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

11-20-07 Date | 8:05 Time | BOBZ B.H. Print Technician's Name

Remarks: Completed

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©

Notice of Treatment 12481

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 536 SE Baya Ave
City Lake City Phone 752-1703

Site Location: Subdivision Lakewood Estates
Lot # 7 Block# _____ Permit # 25716
Address 182 NW Emporia Ct

Product used	Active Ingredient	% Concentration
☑ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☑ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Dwelling	3000	328	770

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

5-8-07 Date | 1:47 Time | F Fee Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink
10/05 ©

Notice of Treatment ADDTO 12481

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 536 SE Baya Ave
City Lake City Phone 752-1703

Site Location: Subdivision Milton Builders
Lot # 7 Block# _____ Permit # 25716
Address 182 NW Emporia Gln

	Product used	Active Ingredient	% Concentration
☒	Premise	Imidacloprid	0.1%
☐	Termidor	Fipronil	0.12%
☐	Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☒ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Porch	350	140	50 gal

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

7-23-07	8:03	F299
Date	Time	Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©