

DATE 08/28/2007

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000026178

APPLICANT JERRY CASTAGNA PHONE 755-6867  
ADDRESS 521 NW OLD MILL RD LAKE CITY FL 32055  
OWNER WILLIAM DANNECKER PHONE  
ADDRESS 355 SW AVIATION DRIVE LAKE CITY FL 32024  
CONTRACTOR JERRY CASTAGNA PHONE 755-6867  
LOCATION OF PROPERTY 441 S, R ON SW AVIATION DR, FIRST LOT ON R.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 156050.00  
HEATED FLOOR AREA 3121.00 TOTAL AREA 5058.00 HEIGHT 23.00 STORIES 1  
FOUNDATION CONC WALLS FRAMED ROOF PITCH 8'12 FLOOR CONC  
LAND USE & ZONING A-3 MAX. HEIGHT 35  
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00  
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 22-5S-17-09322-012 SUBDIVISION LAKE CITY AIRPARK  
LOT 12 BLOCK PHASE UNIT TOTAL ACRES 5.00

CBC047842  
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor  
PRIVATE 07-0598-E BLK JTH N  
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD. NOC ON FILE.

Check # or Cash 5069

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 \$ 785.00 CERTIFICATION FEE \$ 25.29 SURCHARGE FEE \$ 25.29  
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 \$ TOTAL FEE 910.58  
INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

After Recording return to:

Castagna Construction, Inc  
521 NW Old Mill Rd  
Lake City FL 32055

Permit No. \_\_\_\_\_

NOTICE OF COMMENCEMENT

FS 713.13

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. Legal description of property and street address if available: lot #12 Lake City Airpark  
DBB 1667-332, 752-354, 764-533, 792-11035, 802-1103, 812-1257

General description of improvement: new home, airplane hanger

2. Owner Information: Name and address:

William & Jean Dannecker  
6054 SW 52nd Terr Palm City FL 34990

b. Interest in property: 100%

c. Name and address of fee simple titleholder (if other than Owner) \_\_\_\_\_

3. Contractor: Name and address: Castagna Construction, Inc

521 NW Old Mill Rd Lake City, FL 32055

Phone number 386-755-1686 Fax number (optional, if service by fax is acceptable) 386-755-1686

4. Surety: Name and address N/A

Phone number N/A Fax number (optional, if service by fax is acceptable) \_\_\_\_\_

Amount of Bond \$ N/A

Lender: Name and address N/A

Phone number N/A Fax number (optional, if service by fax is acceptable) N/A

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

Inst: 2006012131 Date: 05/18/2006 Time: 09:15  
Phone numbers of designated persons S. F. DC, P. DeWitt Cason, Columbia County B:1084 P:316

Fax number (optional, if service by fax is acceptable) \_\_\_\_\_

6. In addition to himself or herself, Owner designates \_\_\_\_\_ of \_\_\_\_\_  
to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

Phone number of person or entity designated by owner \_\_\_\_\_ Fax  
number (optional, if service by fax is acceptable) \_\_\_\_\_

7. Expiration date of Notice of Commencement (the expiration date is one (1) year from the date of recording unless a different date is specified)

William Dannecker

Signature of Owner

STATE OF FLORIDA

COUNTY OF Columbia

Sworn to (or affirmed) and subscribed before me this 18th day of May 2006

by William Dannecker who is personally known to me  
or who has produced \_\_\_\_\_ as identification

and who did \_\_\_\_\_ or did not take an oath.

Melinda Pettyjohn

Notary Public (Signature)



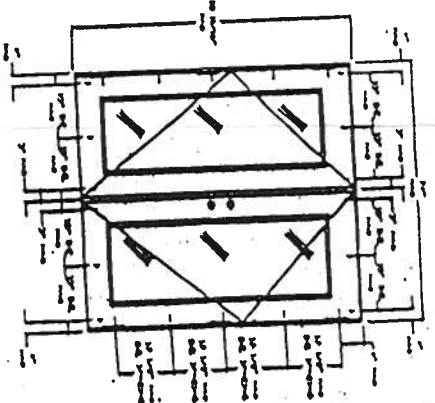
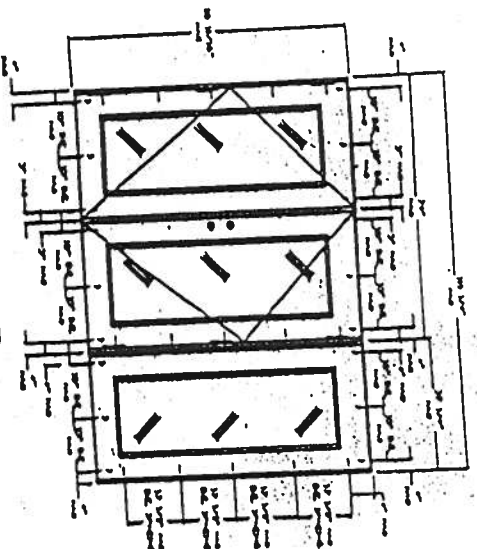
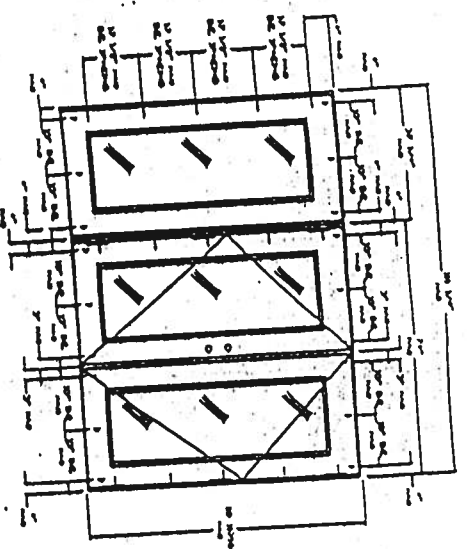
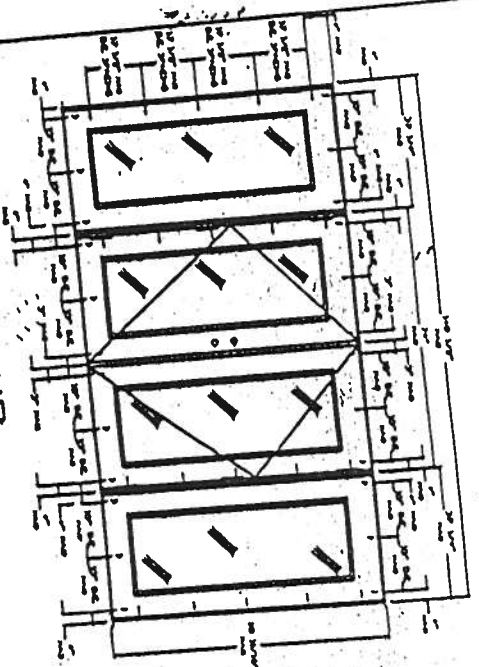
**Melinda Pettyjohn**  
Commission # DD367867  
Expires November 1, 2008  
Bonded Troy Fair Insurance, Inc. 800-385-7019

REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	10/20	REVISED FOR PRODUCTION	JTB/ML
2	10/20	REVISED FOR PRODUCTION	JTB/ML

OMNIGENIE DOOR EQUIVALENCY CHART			
OMNIGENIE DOOR SERIES NO.	GENIE DOOR SERIES NO.	PAN STEEL THICKNESS	
SERIES 100	SERIES 605300	24 GA	
SERIES 109	SERIES 605308	24 GA	
SERIES 201	SERIES 605200	25 GA	
SERIES 200	SERIES 605300	23 GA	

- NOTES:
1. TESTED IN ACCORDANCE WITH DASHA 100.
  2. FOUR SECTION 1" TALL DOOR SHOWN. 8 DOORS HAVE 3 SECTIONS SECTION HEIGHTS OF 20, 28, 36, 44, 52, 60, 68, 76, 84, 92, 100, 108, 116, 124, 132, 140, 148, 156, 164, 172, 180, 188, 196, 204, 212, 220, 228, 236, 244, 252, 260, 268, 276, 284, 292, 300, 308, 316, 324, 332, 340, 348, 356, 364, 372, 380, 388, 396, 404, 412, 420, 428, 436, 444, 452, 460, 468, 476, 484, 492, 500, 508, 516, 524, 532, 540, 548, 556, 564, 572, 580, 588, 596, 604, 612, 620, 628, 636, 644, 652, 660, 668, 676, 684, 692, 700, 708, 716, 724, 732, 740, 748, 756, 764, 772, 780, 788, 796, 804, 812, 820, 828, 836, 844, 852, 860, 868, 876, 884, 892, 900, 908, 916, 924, 932, 940, 948, 956, 964, 972, 980, 988, 996, 1004, 1012, 1020, 1028, 1036, 1044, 1052, 1060, 1068, 1076, 1084, 1092, 1100, 1108, 1116, 1124, 1132, 1140, 1148, 1156, 1164, 1172, 1180, 1188, 1196, 1204, 1212, 1220, 1228, 1236, 1244, 1252, 1260, 1268, 1276, 1284, 1292, 1300, 1308, 1316, 1324, 1332, 1340, 1348, 1356, 1364, 1372, 1380, 1388, 1396, 1404, 1412, 1420, 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# DIAPER BOOK CUNIL

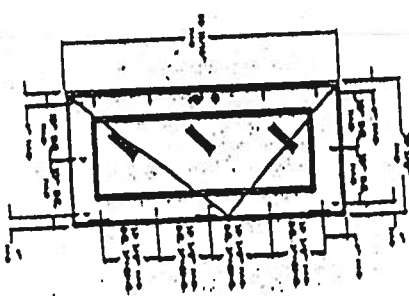
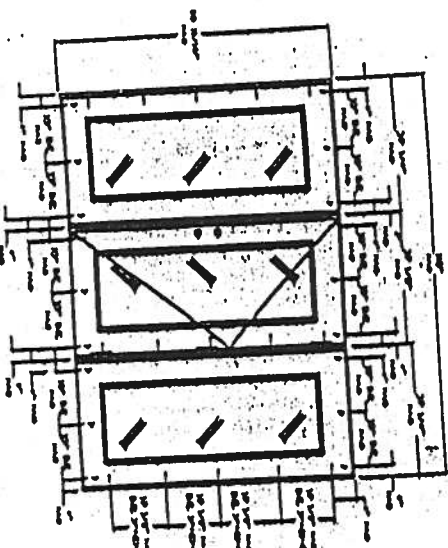
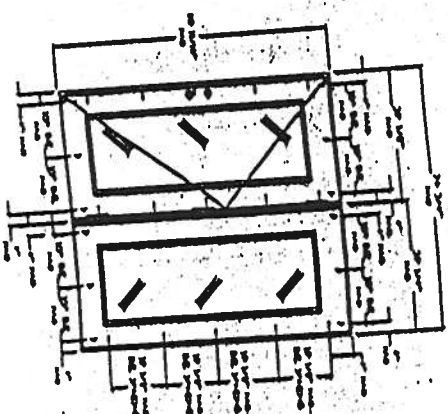
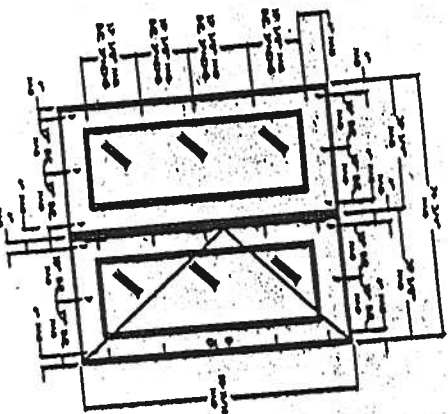


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DX

XD

DXD

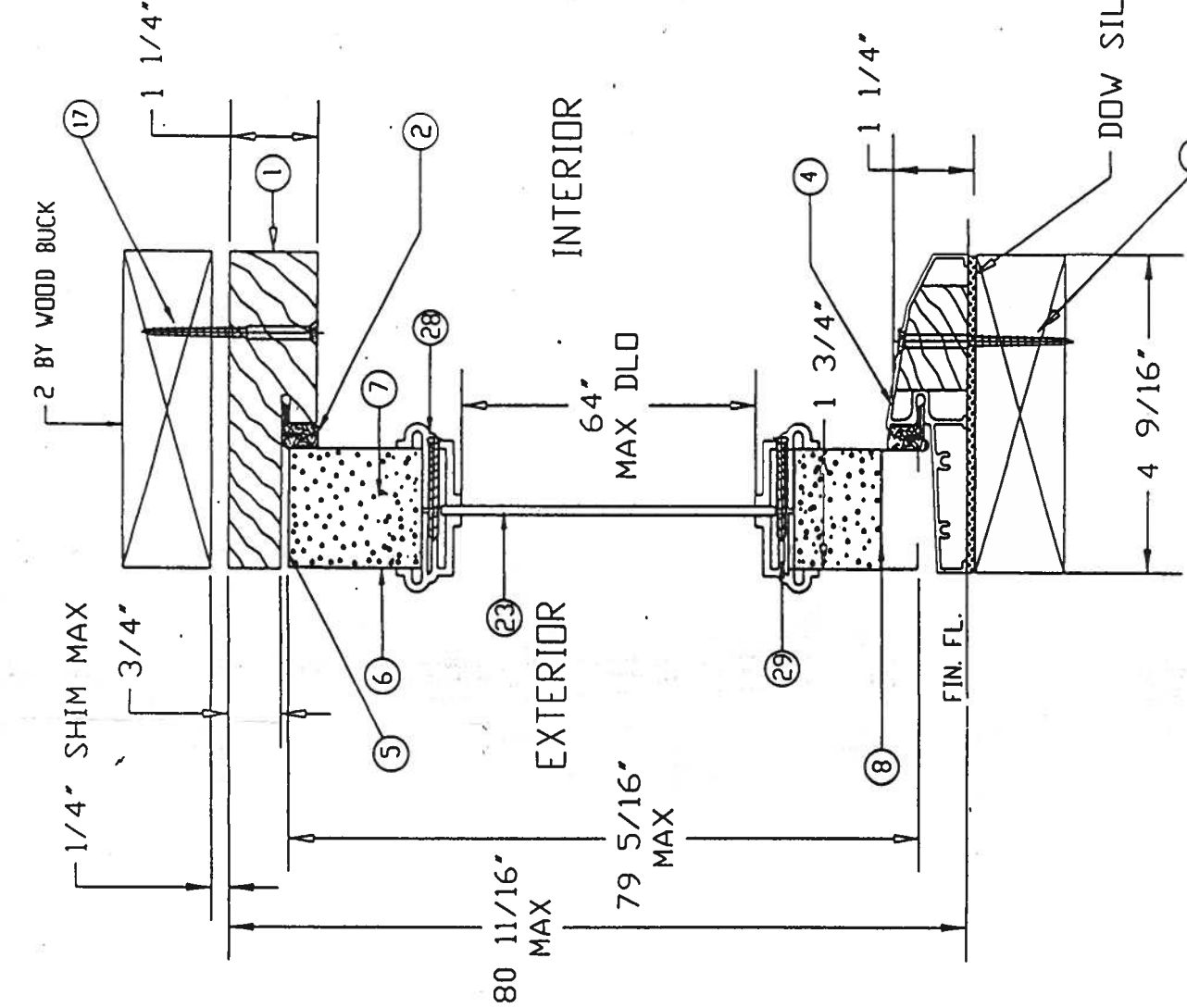
X

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE JUN 05 2004  
BY Maurice J. [Signature]  
PROJECT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEI NO. 01-0314-29

DR BY <u>LD</u>	DATE <u>1-11-01</u>	REV	DATE	BY
PREMOR ENTRY SYSTEMS				
911 C. STATION				
PITTSBURGH, PA 15202				
ENGINEER		DATE	BY	
UNITS: INCHES, POUNDS		DATE	BY	
EXTENDING: INCHES, POUNDS, SILL, CORN, JOINT		DATE	BY	
PART NAME		DATE	BY	
SCALE		DATE	BY	
31-1028-EW-0				
SHEET 5 OF 6				
REVISION (11112)				



MATERIALS LIST



ITEM NO.	DESCRIPTION	PART NUMBER	COMMENTS
1	WOOD HEAD JAMB	EV-14	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
2	COMPRESSION WEATHERSTRIP	EV-25	LOCKSCREEN BRAND LOXSEAL 9650 (BRONZE)
3	ALUMINUM ASTRAGAL	EV-12	PREMDOR BRAND OR EQUIVALENT - 5/8" ALUMINUM ASTRAGAL
4	ALUMINUM-BUMPER THRESHOLD	EV-15	PREMDOR BRAND OR EQUIVALENT - 1 1/4" X 4 9/16"
5	TOP CHANNEL	EV-08	PREMDOR BRAND - 1 1/16" - 20 GA STEEL
6	STEEL SKIN	26 ga (017) 104 - 1000	SEE DETAIL DRAWING FOR FINISH AND PROCESS PER LOCAL RES. CODES IS REQ.
7	POLYURETHANE FOAM CORE	BASF FOAM -	DENSITY 2.0 TO 2.5 lbs./ft <sup>3</sup>
8	BOTTOM CHANNEL	EV-07	PREMDOR BRAND - 1 1/16" - 20 GA STEEL
9	WOOD LOCK BLOCK	EV-09	4" X 9 1/2" MTL. TO BE PINE OR EQUIVALENT
10	STRIKE STILE	EV-06	15/16" X 1 1/16" MTL. TO BE PINE OR EQUIVALENT
11	HINGE STILE	EV-05	15/16" X 1 1/16" MTL. TO BE PINE OR EQUIVALENT
12	LOCK PREP FILLER PLATE	EV-10	PREMDOR BRAND - .050" THICK - MTL. TO BE POLYETHYLENE
13	4"x4" HINGE	EV-16	HAGER BRAND HINGE OR EQUIVALENT - .097 THICK (STEEL)
14	WOOD HINGE JAMB	EV-13	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
15	#10 X 3/4" F.H.V.S.		(4) SCREWS PER HINGE INTO DOOR
16	#10 X 2" F.H.V.S.		(5) SCREWS THROUGH HINGE JAMB INTO SIDELITE JAMB, 8" DOWN FROM TOP, MAX 18" O.C. THEREAFTER
17	18 F.H.V.S. MINIMUM 1 1/2" END DIST. OR 3/8" MIN. JACOBS MINIMUM 1 1/2" END DIST.		(10) SCREWS THROUGH STRIKE JAMB INTO SIDELITE JAMB, 4" DOWN FROM TOP, MAX 8" O.C. THEREAFTER
18	#10 X 3/4" F.H.V.S.		(5) SCREWS THROUGH EACH SIDELITE JAMB INTO SIDELITE, 4" DOWN FROM TOP, MAX 15" O.C. THEREAFTER
19	#8 X 2" F.H.V.S.		REFER TO ELEVATION VIEW, FOR # OF SCREWS USED AND LOCATIONS
20	LOCKSET		(2) SCREWS PER HINGE INTO JAMB
21	#10 X 1 3/4" F.H.V.S.		(2) SCREWS AT EACH STRIKE PLATE
22	WOOD SIDELITE JAMB	EV-19	KVIKSET BRAND 200 LOCK OR HARLDC BRAND 100 LOCK
23	22" X 64" SINGLE PANEL GLASS	EV-20	(2) SCREWS PER HINGE INTO JAMB
24	SIDELITE TRIM (WOOD)	EV-21	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
25	WOOD CASING	EV-22	TEMPERED GLASS IN POLYPROPYLENE FRAME - DC-1643 - (DDL-2) 1/8" CLEAR TEMPERED GLASS
26	WOOD SIDELITE HEAD JAMB	EV-23	5/16" X 1 1/2" MTL. TO BE PINE OR EQUIVALENT
27	WOOD SIDELITE BASE	EV-24	1/8" X 1 1/2" MTL. TO BE PINE OR EQUIVALENT - ITEMS ARE HOLDINGS USED FOR SIDE BY SIDE JAMBS AS MULLIONS
28	POLYPROPYLENE LITE FRAME	DC-1643, DDL-2	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
29	#6 X 1 1/2" PAN HEAD SCREWS		1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
30	SIDELITE STILES	EV-26	HP Polypropylene by ODL
31	PIN NAIL		18 PER FRAME SCREW SPACING TO BE 3" IN FROM EACH CORNER AND NOT MORE THAN 16" O.C. THEREAFTER
			15/16" X 1 1/16" MTL. TO BE PINE OR EQUIVALENT
			3/4" LONG NAIL, 4" IN FROM COR, MAX 8" O.C. THEREAFTER, USED ON MULLIONS AND TBM

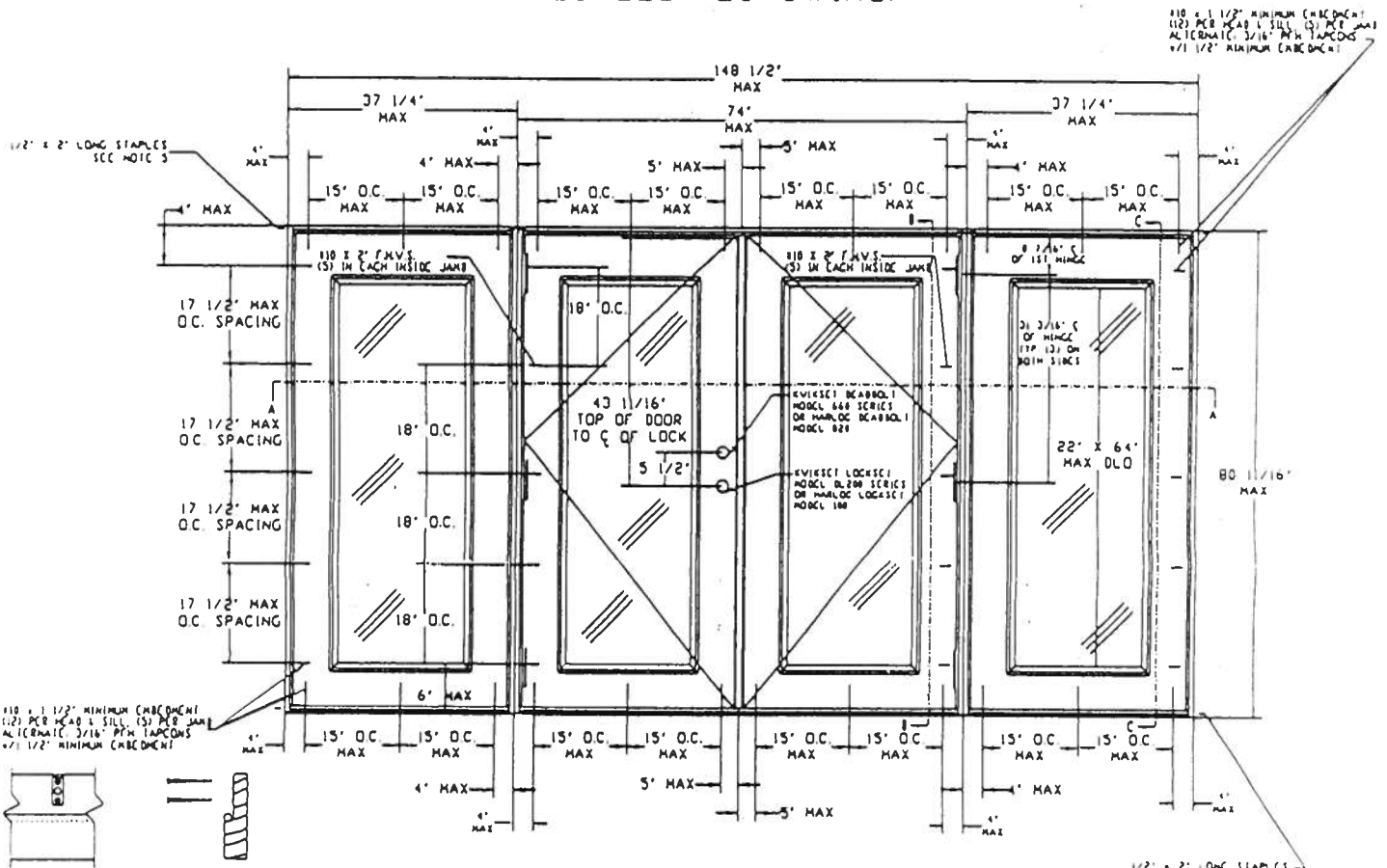
#995 DOW SILICONE

SECTION B-B

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE JUN 05 2004  
BY [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE CO  
ACCEPTANCE NO. 314-29

LIMITS: UNLESS NOTED, FRAC. : DEC. : ANG. :		B	DATE COUNTY MODIFICATIONS	1/1/2001	JD
EXTENSIONS: UNLESS NOTED, SIDE COMPL. IDLS.		A	ADDED PAGE 5 (DOOR OPTIONS)	10-1-98	RS
ENGINEER:		LIR	REVISIONS	DATE	BY
DR BY R.S.		PART NAME: ENERGY VOOD EDGE DOOR (B-B)			
DATE 7-29-97		SCALE:			
PREMDOR ENTRY SYSTEMS					
911 E. JEFFERSON					
PITTSBURGH, KS. 66762					
31-1028-EW-0					
SHEET 3 OF 6					
REVISION LETTER B					

# PREMDOR (ENTERGY BRAND) DOUBLE DOOR WITH SIDELITES IN WOOD FRAMES WITH A BUMPER THRESHOLD (OUTSWING)



ATTACH ASTRAGAL THROW BOLT STRIKE PLATE TO THE HEADER AND THRESHOLD WITH #10 x 1 3/4\"/>

## NOTES:

1) WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.  
2) THE PRECEDING DRAWINGS ARE INTENDED TO QUALIFY THE FOLLOWING INSTALLATIONS.

A. WOOD FRAME CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY WOOD OPENING.

B. MASONRY OR CONCRETE CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY STRUCTURAL WOOD BUCK.

C. MASONRY OR CONCRETE CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED DIRECTLY TO CONCRETE OR MASONRY WITH OR WITHOUT A NON-STRUCTURAL ONE BY WOOD BUCK.

3. ALL ANCHORING SCREWS TO BE #10 WITH MINIMUM 1 1/2\"/>

4. UNIT MUST BE INSTALLED WITH 'MIAMI-DADE COUNTY APPROVED' SHUTTERS.

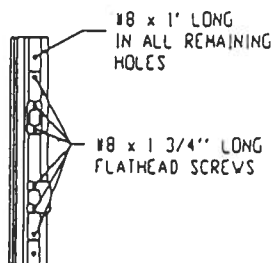
5. THREE STAPLES PER SIDE JAMB INTO HEADER ON SIDELITES AND DOOR. THREE STAPLES PER JAMB INTO THRESHOLD ON SIDELITES AND DOOR.

6. LATEX SEALANT TO BE APPLIED AT SIDE BY SIDE JAMBS AND SIDELITES.

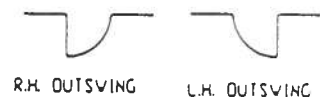
7. DOOR/SIDELITE HEADER, DOOR/SIDELITE JAMBS, AND SIDELITE BASE CORNERS ARE COPED AND BUTT JOINED.

8. DOORS SHALL BE PRE-PAINTED WITH A WATER-BASED EPOXY RUST INHIBITIVE PRIMER PAINT WITH A DRY FILM THICKNESS OF 0.8 TO 1.2 MIL.

9. FRAMES SHALL BE PRE-PAINTED WITH AN ACRYLIC LATEX WATER-BASED/ WATER-REDUCIBLE WHITE PRIMER WITH A DRY FILM THICKNESS OF 0.8 TO 1.2 MIL.



ASTRAGAL



DESIGN PRESSURE RATINGS		
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED *	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
Positive	+ 50.5 psf	+50.5 psf
Negative	NOT APPROVED*	-50.5 psf

\* UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG SUCH THAT THE ANGLE BETWEEN THE EDGE OF CANOPY OR OVERHANG TO SILL IS LESS THAN 45 DEGREES. UNLESS UNIT IS INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT AND THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION.

APPROVED AS COMPLYING WITH  
SOUTH FLORIDA BUILDING CODE  
DATE JUN 05 2007  
BY *[Signature]*  
PROJECT CONTROL DIVISION C  
BUILDING CODE COMPLIANCE OF  
ACCEPTANCE NO. 01-03-07

UNITS UNLESS NOTED, FRAC. : DEC. : ANG. :	C. BASE COUNT MODIFICATIONS	REVISION
EXTRUSIONS UNLESS NOTED, STA. COM. : IQ. S	1. ADDED PAGE 5 (DOOR OPTIONS)	1. 11
ENGINEER:	A. ADD OTHER DOOR CONFIGURATIONS	2. 11
DR. BY R.S. : DATE 7-29-97	REVISIONS	3. 11
PREMDOR ENTRY SYSTEMS	PART NAME : CHECK MOD. LIST ONLY FOR VARIATIONS	4. 11
911 C. LUTHERSON	DATE : 11/1/03	5. 11
PLISSING, KS 66762	31-1028-EN-0	SHEET 1 OF 1
	REVISION LETTER	

# Columbia County Building Permit Application CH 5069

For Office Use Only Application # 070766 Date Received 7/24 By JW Permit # 26178  
 Application Approved by - Zoning Official BLK Date 01.08.07 Plans Examiner OK JTH Date 7-27-07  
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3  
 Comments EN. HEIGHT  
NOC SITE PLAN Neat JOINSHIP

Applicants Name JERRY CASTAGNA - CONS INC Phone 386 755 686  
 Address 521 NW OLD MILL DR. LAKE CITY FLA 32055  
 Owners Name WILLIAM C DANNECKER Phone \_\_\_\_\_  
 911 Address 355 SW AVIATION  
 Contractors Name JERRY CASTAGNA Phone 386-755-6867  
 Address 521 NW OLD MILL DR. LAKE CITY FLA 32055  
 Fee Simple Owner Name & Address \_\_\_\_\_  
 Bonding Co. Name & Address N/A  
 Architect/Engineer Name & Address NICHOLAS GEISLER 1758 NW BROWN RD LAKE CITY FLA 32055  
 Mortgage Lenders Name & Address N/A

Property ID Number 22-55-17-09322-012 Estimated Cost of Construction 280,000  
 Subdivision Name LOT 12 LAKE CITY PARK Lot 12 Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase \_\_\_\_\_  
 Driving Directions 441 SOUTH ABOUT 3 1/2 MILE TO AVIATION DR  
on Right TURN Right FIRST Lot on Right.

Type of Construction Block House Number of Existing Dwellings on Property 1  
 Total Acreage 5 Lot Size \_\_\_\_\_ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing  
 Actual Distance of Structure from Property Lines - Front 150 Side 225 Side 190 Rear 175  
 Total Building Height 23 Number of Stories 1 Heated Floor Area 3121 Roof Pitch 8/12  
TOTAL 5,058

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 all laws regulating construction in this jurisdiction.

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

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

[Signature]  
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA  
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me  
 this 24th day of July 2007.

Personally known \_\_\_\_\_ or Produced Identification \_\_\_\_\_

JW Caled Melinda 8.1.07

[Signature]  
 Contractor Signature  
 Contractors License Number CBC 47842  
 Competency Card Number QB 33997

NOTARY STAMP  **Melinda Pettyjohn**  
 Commission # DD367867  
 Expires November 1, 2008  
[Signature]  
 Notary Signature



Prepared by and Return to:  
Virlyn Willis  
Gateway Title Agency, LLC  
4255 SW Cambridge Glen  
Lake City, Florida 32024  
File Number: 32000GW  
Parcel I.D. Number: R09322-012  
(incidental to the issuance of a Title Insurance Policy)

1001  
Return To Keystone Title Agency, Inc.  
9735 U.S. Hwy. 19  
Port Richey, FL 34668  
File # 32000GW

### General Warranty Deed

Made this February 18, 2005 A.D. By Jeffrey P. Roberts and Karen A. Roberts, his wife,  
whose address is: 213 Pebbles Drive, Smyrna, TN 37167 hereinafter called the grantor, to William C. Dannecker  
and Jean D. Dannecker, husband and wife, whose post office address is: 6054 SW 52nd Terrace, Palm City,  
FL 34990, hereinafter called the grantee:

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth, that the grantor, for and in consideration of the sum of **Seventy Seven Thousand dollars & no cents, (\$77,000.00)** and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

Lot 12, of Lake City Airpark, according to the Plat thereof, as recorded in Plat Book 5, at Page 10, of the Public Records of Columbia County, Florida.

Subject to covenants, conditions, restrictions, reservations, limitations, easements and agreements of record, if any; taxes and assessments for the year 2005 and subsequent years; and to all applicable zoning ordinances and/or restrictions and prohibitions imposed by governmental authorities, if any

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.



And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

~~REQUIRES TWO DIFFERENT WITNESSES~~

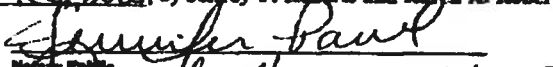
~~Witness #1 signature~~  
~~monica L. Clouse~~  
~~Print Witness #1 name~~  
~~Christine Sellers~~  
~~Witness #2 signature~~  
~~Christine Sellers~~  
~~Print Witness #2 name~~

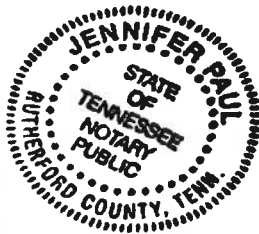
  
Jeffrey P. Roberts (Seal)  
  
Karen A. Roberts (Seal)

State of Tennessee  
County of Rutherford

The foregoing instrument was acknowledged before me this 18<sup>th</sup> of Feb., 2005, by Jeffrey P. Roberts and Karen A. Roberts, his wife, who has produced a drivers license as identification.

Notary Seal

  
Notary Public  
my commission expires: November 24, 2008



Inst: 2005004957 Date: 03/02/2005 Time: 15:42  
Doc. Stamp - Deed : 539.00  
DC, P. Dewitt Cason, Columbia County B: 1039 P: 1678

# Columbia County Property Appraiser

DB Last Updated: 5/11/2007

Parcel: 22-5S-17-09322-012

## 2007 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

### Owner & Property Info

Search Result: 1 of 1

<b>Owner's Name</b>	DANNECKER WILLIAM C & JEAN D		
<b>Site Address</b>			
<b>Mailing Address</b>	6054 SW 52ND TERR PALM CITY, FL 34990		
<b>Use Desc. (code)</b>	VACANT (000000)		
<b>Neighborhood</b>	22517.02	<b>Tax District</b>	3
<b>UD Codes</b>	MKTA02	<b>Market Area</b>	02
<b>Total Land Area</b>	0.000 ACRES		
<b>Description</b>	LOT 12 LAKE CITY AIRPARK S/D. ORB 667-332, 752-354, 764-533 792-1635, 802-163, 812-1257, WD 1020-429, WD 1039-1478		

### GIS Aerial



### Property & Assessment Values

<b>Mkt Land Value</b>	cnt: (1)	\$59,000.00
<b>Ag Land Value</b>	cnt: (0)	\$0.00
<b>Building Value</b>	cnt: (0)	\$0.00
<b>XFOB Value</b>	cnt: (0)	\$0.00
<b>Total Appraised Value</b>		\$59,000.00

<b>Just Value</b>	\$59,000.00
<b>Class Value</b>	\$0.00
<b>Assessed Value</b>	\$59,000.00
<b>Exempt Value</b>	\$0.00
<b>Total Taxable Value</b>	\$59,000.00

### Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
2/18/2005	1039/1478	WD	V	Q		\$77,000.00
6/30/2004	1020/429	WD	V	Q		\$50,000.00
10/25/1995	812/1257	WD	V	Q		\$20,000.00

### 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

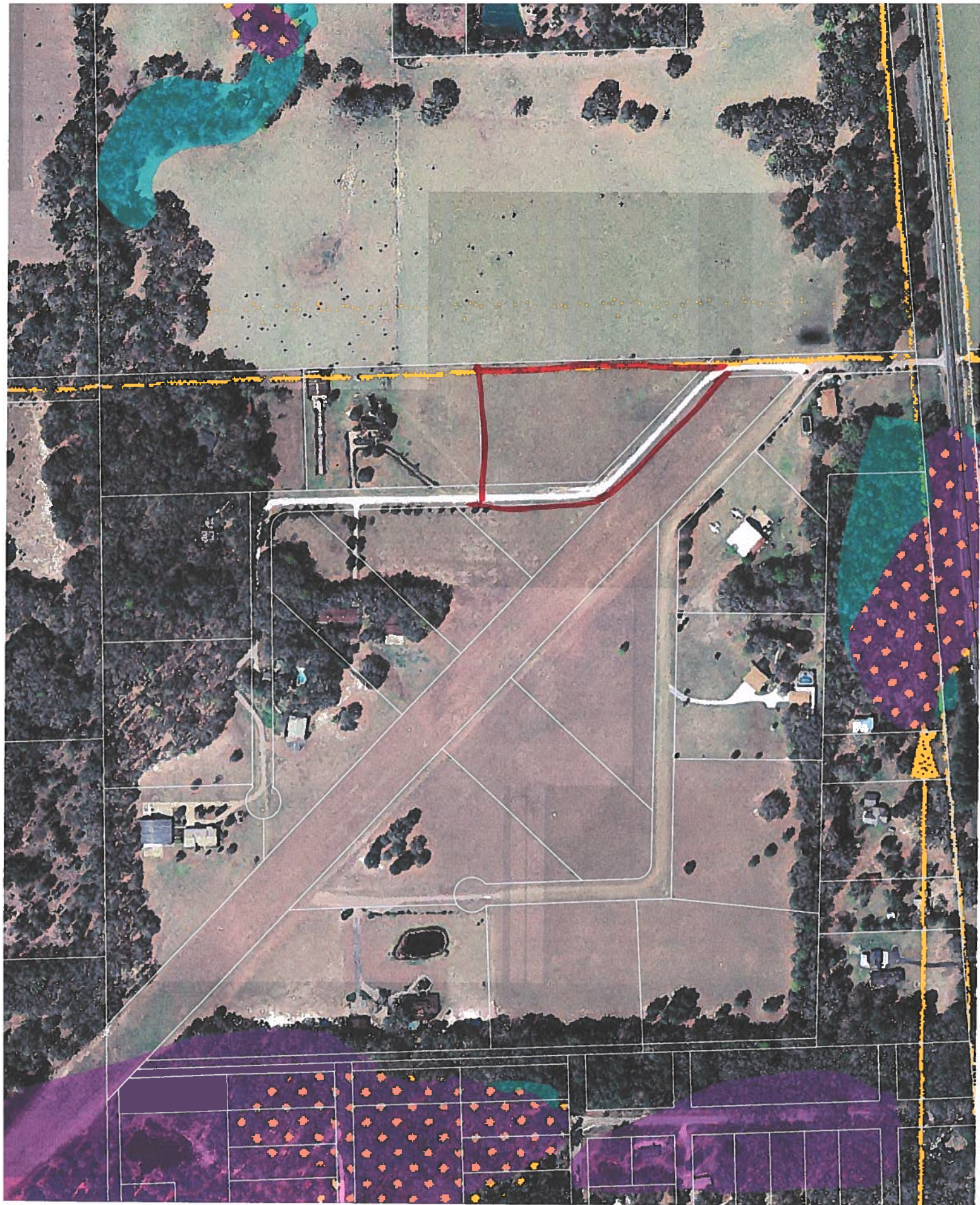
Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (.000AC)	1.00/1.00/1.00/1.00	\$59,000.00	\$59,000.00

Columbia County Property Appraiser

DB Last Updated: 5/11/2007

1 of 1





0707-66



DANA ECK

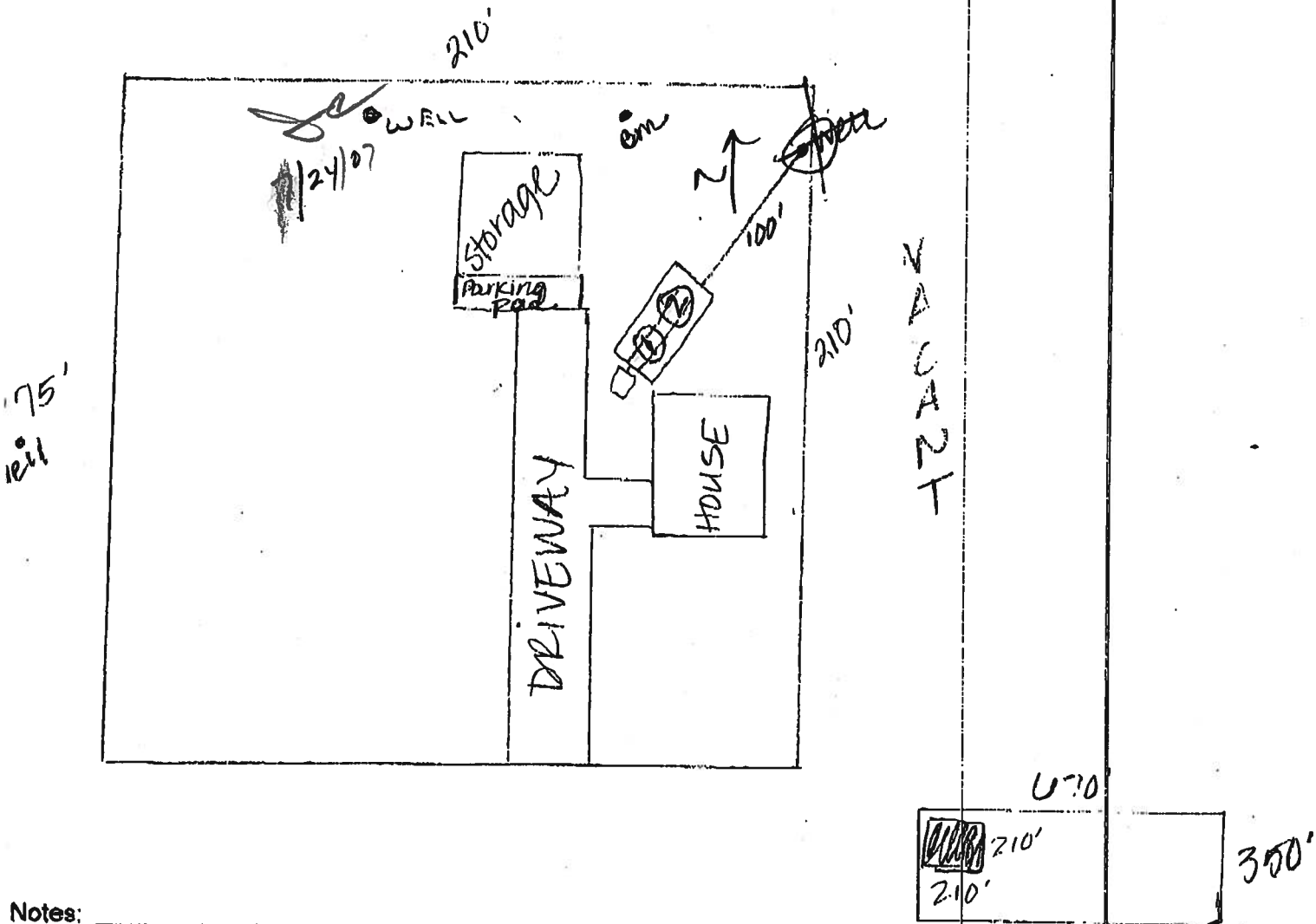
**REVISED**  
*Revised*

STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-0598-E

PART II - SITEPLAN

Scale: 1 inch = 50 feet.



Notes: \_\_\_\_\_

Site Plan submitted by: Rock D 7-0

Plan Approved ☒ Not Approved \_\_\_\_\_

By Mr. O. L.

MASTER CONTRACTOR

Date JAN 25 2007

County Health Department

**Columbia CHD**

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A

Project Name: **William & Jean Dannecker**  
Address: **255 SW Aviation Drive**  
City, State: **Lake City, FL 32024-**  
Owner: **Dannecker Res.**  
Climate Zone: **North**

Builder:  
Permitting Office: **cow USBA**  
Permit Number:  
Jurisdiction Number: **221000**

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? No ☐
6. Conditioned floor area (ft<sup>2</sup>) 3121 ft<sup>2</sup> ☐
7. Glass type<sup>1</sup> and area: (Label reqd. by 13-104.4.5 if not default)
  - a. U-factor: Description Area

(or Single or Double DEFAULT) 7a(Sngle Default) 449.3 ft<sup>2</sup> ☐
  - b. SHGC:
 

(or Clear or Tint DEFAULT) 7b. (Clear) 449.3 ft<sup>2</sup> ☐
8. Floor types
  - a. Slab-On-Grade Edge Insulation R=0.0, 300.0(p) ft ☐
  - b. N/A ☐
  - c. N/A ☐
9. Wall types
  - a. Concrete, Ext Insul, Exterior R=5.0, 2140.7 ft<sup>2</sup> ☐
  - b. Frame, Wood, Adjacent R=13.0, 360.0 ft<sup>2</sup> ☐
  - c. N/A ☐
  - d. N/A ☐
  - e. N/A ☐
10. Ceiling types
  - a. Under Attic R=30.0, 3300.0 ft<sup>2</sup> ☐
  - b. N/A ☐
  - c. N/A ☐
11. Ducts(Leak Free)
  - a. Sup: Unc. Ret: Unc. AH: Garage Sup. R=6.0, 50.0 ft ☐
  - b. Sup: Unc. Ret: Unc. AH: Garage Sup. R=6.0, 50.0 ft ☐

12. Cooling systems
  - a. Central Unit Cap: 40.0 kBtu/hr ☐  
SEER: 11.00 ☐
  - b. Central Unit Cap: 40.0 kBtu/hr ☐  
SEER: 11.00 ☐
  - c. N/A ☐
13. Heating systems
  - a. Electric Heat Pump Cap: 40.0 kBtu/hr ☐  
HSPF: 6.80 ☐
  - b. Electric Heat Pump Cap: 40.0 kBtu/hr ☐  
HSPF: 6.80 ☐
  - c. N/A ☐
14. Hot water systems
  - a. Electric Resistance Cap: 50.0 gallons ☐  
EF: 0.90 ☐
  - b. Electric Resistance Cap: 50.0 gallons ☐  
EF: 0.90 ☐
  - c. Conservation credits  
(HR-Heat recovery, Solar  
DHP-Dedicated heat pump)
15. HVAC credits PT, ☐

(CF-Ceiling fan, CV-Cross ventilation,  
HF-Whole house fan,  
PT-Programmable Thermostat,  
MZ-C-Multizone cooling,  
MZ-H-Multizone heating)

Glass/Floor Area: 0.14

Total as-built points: 38834  
Total base points: 40591

## PASS

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

PREPARED BY: *Jonathan M...*

DATE: 10-24-06

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: \_\_\_\_\_



<sup>1</sup> 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: 255 SW Aviation Drive, Lake City, FL, 32024-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Overhang Type/SC Ornt Len Hgt Area X SPM X SOF = Points							
.18	3121.0	20.04	11258.1	Single, Clear	W	1.5	10.0	75.0	43.84	0.98	3218.6
				Single, Clear	N	1.5	10.0	45.0	21.73	0.98	960.0
				Single, Clear	N	8.0	10.0	20.0	21.73	0.75	323.8
				Single, Clear	W	9.5	10.0	133.3	43.84	0.54	3169.3
				Single, Clear	W	9.5	10.0	15.0	43.84	0.54	356.6
				Single, Clear	N	9.5	10.0	20.0	21.73	0.72	312.4
				Single, Clear	N	9.5	10.0	6.0	21.73	0.72	93.7
				Single, Clear	E	9.5	10.0	60.0	47.92	0.53	1524.8
				Single, Clear	S	9.5	10.0	15.0	40.81	0.53	323.0
				Single, Clear	E	1.5	10.0	9.0	47.92	0.98	421.9
				Single, Clear	S	1.5	10.0	16.0	40.81	0.96	626.9
				Single, Clear	S	1.5	10.0	20.0	40.81	0.96	783.7
				Single, Clear	S	1.5	10.0	15.0	40.81	0.96	587.7
				As-Built Total:				449.3		12702.5	
WALL TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Adjacent	360.0	0.70	252.0	Concrete, Ext Insul, Exterior			5.0	2140.7	0.50		1070.3
Exterior	2140.7	1.70	3639.2	Frame, Wood, Adjacent			13.0	360.0	0.60		216.0
Base Total:		2500.7	3891.2	As-Built Total:				2500.7		1286.3	
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points							
Adjacent	20.0	1.60	32.0	Exterior Insulated				20.0	4.10		82.0
Exterior	20.0	4.10	82.0	Adjacent Insulated				20.0	1.60		32.0
Base Total:		40.0	114.0	As-Built Total:				40.0		114.0	
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points							
Under Attic	3121.0	1.73	5399.3	Under Attic			30.0	3300.0	1.73 X 1.00		5709.0
Base Total:		3121.0	5399.3	As-Built Total:				3300.0		5709.0	
FLOOR TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Slab	300.0(p)	-37.0	-11100.0	Slab-On-Grade Edge Insulation			0.0	300.0(p)	-41.20		-12360.0
Raised	0.0	0.00	0.0								
Base Total:			-11100.0	As-Built Total:				300.0		-12360.0	

**SUMMER CALCULATIONS****Residential Whole Building Performance Method A - Details**

ADDRESS: 255 SW Aviation Drive, Lake City, FL, 32024-

PERMIT #:

BASE				AS-BUILT						
INFILTRATION    Area X BSPM = Points				Area X    SPM    =    Points						
3121.0    10.21    31865.4				3121.0    10.21    31865.4						
Summer Base Points: 41428.0				Summer As-Built Points: 39317.3						
Total Summer X Points	System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier	=	Cooling Points
41428.0	0.4266		17673.2	(sys 1: Central Unit 40000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 39317                    0.50    (1.09 x 1.000 x 1.00)    0.310                    0.950                    6316.1 (sys 2: Central Unit 40000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 39317                    0.50    (1.09 x 1.000 x 1.00)    0.310                    0.950                    6316.1 39317.3                1.00                    1.090                0.310                0.950                12632.1						



# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: 255 SW Aviation Drive, Lake City, FL, 32024-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points			
.18	3121.0	12.74	7157.1	Single, Clear	W	1.5	10.0	75.0	28.84	1.01	2175.4
				Single, Clear	N	1.5	10.0	45.0	33.22	1.00	1495.2
				Single, Clear	N	8.0	10.0	20.0	33.22	1.02	674.8
				Single, Clear	W	9.5	10.0	133.3	28.84	1.16	4464.5
				Single, Clear	W	9.5	10.0	15.0	28.84	1.16	502.4
				Single, Clear	N	9.5	10.0	20.0	33.22	1.02	676.1
				Single, Clear	N	9.5	10.0	6.0	33.22	1.02	202.8
				Single, Clear	E	9.5	10.0	60.0	26.41	1.27	2015.6
				Single, Clear	S	9.5	10.0	15.0	20.24	2.65	804.6
				Single, Clear	E	1.5	10.0	9.0	26.41	1.01	240.7
				Single, Clear	S	1.5	10.0	16.0	20.24	1.01	327.9
				Single, Clear	S	1.5	10.0	20.0	20.24	1.01	409.9
				Single, Clear	S	1.5	10.0	15.0	20.24	1.01	307.4
				As-Built Total:			449.3			14297.3	
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	360.0	3.60	1296.0	Concrete, Ext Insul, Exterior	5.0			2140.7	4.30	9205.0	
Exterior	2140.7	3.70	7920.6	Frame, Wood, Adjacent	13.0			360.0	3.30	1188.0	
Base Total: 2500.7 9216.6				As-Built Total:			2500.7			10393.0	
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points			
Adjacent	20.0	8.00	160.0	Exterior Insulated				20.0	8.40	168.0	
Exterior	20.0	8.40	168.0	Adjacent Insulated				20.0	8.00	160.0	
Base Total: 40.0 328.0				As-Built Total:			40.0			328.0	
CEILING TYPES Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	3121.0	2.05	6398.0	Under Attic	30.0			3300.0	2.05 X 1.00	6765.0	
Base Total: 3121.0 6398.0				As-Built Total:			3300.0			6765.0	
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	300.0(p)	8.9	2670.0	Slab-On-Grade Edge Insulation	0.0			300.0(p)	18.80	5640.0	
Raised	0.0	0.00	0.0								
Base Total: 2670.0				As-Built Total:			300.0			5640.0	

**WINTER CALCULATIONS****Residential Whole Building Performance Method A - Details**ADDRESS: **255 SW Aviation Drive, Lake City, FL, 32024-**

PERMIT #:

<b>BASE</b>			<b>AS-BUILT</b>		
<b>INFILTRATION</b>	Area X BWPM = Points		Area X WPM = Points		
	3121.0 -0.59 -1841.4		3121.0 -0.59 -1841.4		
<b>Winter Base Points:</b>	<b>23928.3</b>		<b>Winter As-Built Points:</b>	<b>35582.0</b>	
Total Winter X System = Heating Points Multiplier Points			Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)		
			(sys 1: Electric Heat Pump 40000 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 35582.0 0.500 (1.069 x 1.000 x 1.00) 0.501 0.950 9060.4 (sys 2: Electric Heat Pump 40000 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 35582.0 0.500 (1.069 x 1.000 x 1.00) 0.501 0.950 9060.4		
<b>23928.3</b>	<b>0.6274</b>	<b>15012.6</b>	<b>35582.0 1.00 1.069 0.501 0.950 18120.8</b>		

**WATER HEATING & CODE COMPLIANCE STATUS****Residential Whole Building Performance Method A - Details**

ADDRESS: 255 SW Aviation Drive, Lake City, FL, 32024-

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank Volume	EF	Number of Bedrooms	X Tank X Ratio	Multiplier X Credit Multiplier	= Total
Number of Bedrooms	X	Multiplier	= Total						
3		2635.00	7905.0	50.0	0.90	3	0.50	2693.56	4040.3
				50.0	0.90	3	0.50	2693.56	4040.3
				As-Built Total:					8080.7

**CODE COMPLIANCE STATUS**

BASE					AS-BUILT				
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points		Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	
17673	15013	7905	40591		12632	18121	8081	38834	

**PASS**

# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: 255 SW Aviation Drive, Lake City, FL, 32024-

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.	

Tested sealed ducts must be certified in this house.

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

**ESTIMATED ENERGY PERFORMANCE SCORE\* = 84.3**

**The higher the score, the more efficient the home.**

Dannecker Res., 255 SW Aviation Drive, Lake City, FL, 32024-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 40.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	3	b. Central Unit	Cap: 40.0 kBtu/hr
5. Is this a worst case?	No		SEER: 11.00
6. Conditioned floor area (ft <sup>2</sup> )	3121 ft <sup>2</sup>	c. N/A	
7. Glass type <sup>1</sup> and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 40.0 kBtu/hr
(or Single or Double DEFAULT)	7a(Sngle Default) 449.3 ft <sup>2</sup>		HSPF: 6.80
b. SHGC:		b. Electric Heat Pump	Cap: 40.0 kBtu/hr
(or Clear or Tint DEFAULT)	7b. (Clear) 449.3 ft <sup>2</sup>		HSPF: 6.80
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 300.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 50.0 gallons
c. N/A			EF: 0.90
9. Wall types		b. Electric Resistance	Cap: 50.0 gallons
a. Concrete, Ext Insul, Exterior	R=5.0, 2140.7 ft <sup>2</sup>		EF: 0.90
b. Frame, Wood, Adjacent	R=13.0, 360.0 ft <sup>2</sup>	c. Conservation credits	
c. N/A		(HR-Heat recovery, Solar	
d. N/A		DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits	PT,
10. Ceiling types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 3300.0 ft <sup>2</sup>	HF-Whole house fan,	
b. N/A		PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts(Leak Free)		MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft		
b. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft		

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](http://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.*



# Energy Code Compliance

## Duct System Performance Report

Project Name: William & Jean Dannecker  
 Address: 255 SW Aviation Drive  
 City, State: Lake City, FL 32024-  
 Owner: Dannecker Res.  
 Climate Zone: North

Builder:  
 Permitting Office:  
 Permit Number:  
 Jurisdiction Number:

### Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25(tot)	_____ cfm25(out)
2	System2	_____ cfm25(tot)	_____ cfm25(out)
3	System3	_____ cfm25(tot)	_____ cfm25(out)
4	System4	_____ cfm25(tot)	_____ cfm25(out)
5	<b>Total House Duct System Leakage</b>	Sum lines 1-4 _____  Divide by _____ (Total Conditioned Floor Area)  = _____ (Q <sub>n,tot</sub> )  <input type="checkbox"/> Receive credit if Q <sub>n,tot</sub> ≤ 0.03	Sum lines 1-4 _____  Divide by _____ (Total Conditioned Floor Area)  = _____ (Q <sub>n,out</sub> )  <input type="checkbox"/> Receive credit if Q <sub>n,out</sub> ≤ 0.03 AND Q <sub>n,tot</sub> ≤ 0.09

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Florida Rater Certification #: \_\_\_\_\_  
 DATE: \_\_\_\_\_

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: <http://energygauge.com/search.htm>



BUILDING OFFICIAL: \_\_\_\_\_  
 DATE: \_\_\_\_\_

BP# 26178  
**Notice of Treatment** 12816

**Applicator:** Florida Pest Control & Chemical Co. (www.flapest.com)

**Address:** 536 SE BAYA DR.

**City:** Lake City **Phone:** (386) 752-1703

**Site Location:** Subdivision \_\_\_\_\_

**Lot #** \_\_\_\_\_ **Block#** \_\_\_\_\_ **Permit #** 26178

**Address:** 355 SW Aviation DR.

Product used	Active Ingredient	% Concentration
<input checked="" type="checkbox"/> Premise	Imidacloprid	0.1%
<input type="checkbox"/> Termidor	Fipronil	0.12%
<input type="checkbox"/> Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

**Type treatment:**

☒ Soil

☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
MAIN BODY	5850	318	400
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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 \_\_\_\_\_.

11-16-07  
 Date

10<sup>20</sup>  
 Time

RD Crawford  
 Print Technician's Name

**Remarks:** \_\_\_\_\_

Applicator - White

Permit File - Canary

Permit Holder - Pink



# 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  
Page 1 of 1 Document ID:1T5Z8228Z0226143916

Truss Fabricator: Anderson Truss Company  
Job Identification: 7-088--Jerry Castagna Constructi DANNECKER -- Lake City, FL  
Truss Count: 70  
Model Code: Florida Building Code 2004 and 2006 Supplement  
Truss Criteria: ANSI/TPI-2002(STD)/FBC  
Engineering Software: Alpine Software, Version 7.24.  
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 - 32.0 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

Details: BRCLBSUB-A11030EE-GBLLETIN-A11015EE-PIGBACKA-PIGBACKB-

Seal Date: 03/26/2007

-Truss Design Engineer-

Arthur R. Fisher

Florida License Number: 59687

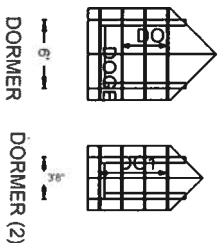
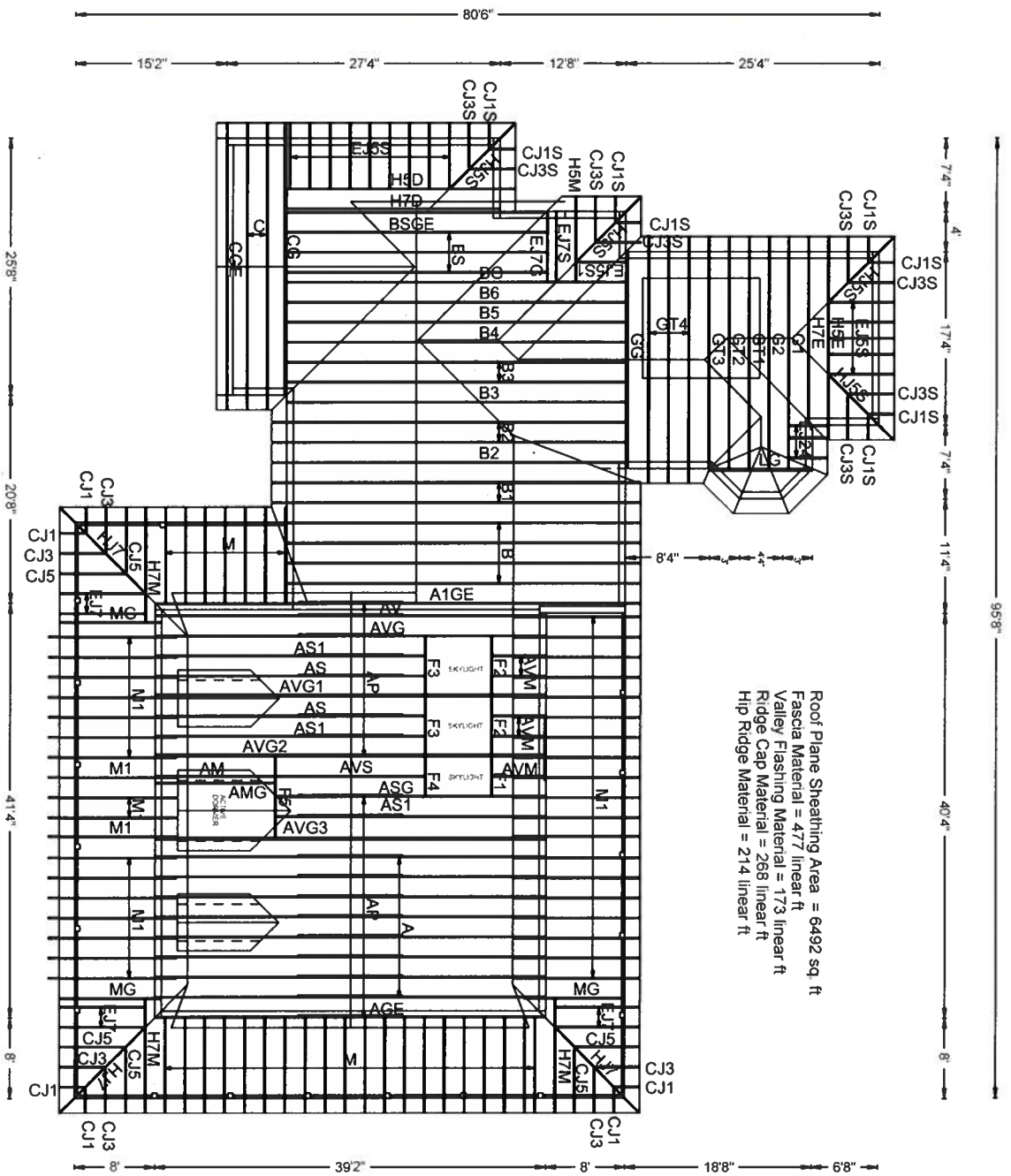
1950 Marley Drive

Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	64659--A		07085022	03/26/07
2	64660--AGE		07085077	03/26/07
3	64661--A1GE		07085078	03/26/07
4	64662--AVM		07085023	03/26/07
5	64663--AM		07085024	03/26/07
6	64664--AMG		07085025	03/26/07
7	64665--AS		07085079	03/26/07
8	64666--AS		07085026	03/26/07
9	64667--AS1		07085027	03/26/07
10	64668--AV		07085028	03/26/07
11	64669--AVG		07085088	03/26/07
12	64670--AVG1		07085089	03/26/07
13	64671--AVG2		07085090	03/26/07
14	64672--AVG3		07085091	03/26/07
15	64673--AVS		07085029	03/26/07
16	64674--ASG		07085081	03/26/07
17	64675--BG		07085083	03/26/07
18	64676--BS		07085030	03/26/07
19	64677--BSGE		07085084	03/26/07
20	64678--B6		07085031	03/26/07
21	64679--B5		07085032	03/26/07
22	64680--B4		07085033	03/26/07
23	64681--B3		07085034	03/26/07
24	64682--B3		07085035	03/26/07
25	64683--B2		07085036	03/26/07
26	64684--B2		07085037	03/26/07
27	64685--B1		07085038	03/26/07
28	64686--B		07085039	03/26/07
29	64687--CG		07085085	03/26/07
30	64688--CGE		07085040	03/26/07
31	64689--C		07085041	03/26/07
32	64690--H5D		07085042	03/26/07
33	64691--H7D		07085043	03/26/07
34	64692--DO		07085044	03/26/07
35	64693--D01		07085045	03/26/07
36	64694--DOGE		07085046	03/26/07

#	Ref	Description	Drawing#	Date
37	64695--H5E		07085047	03/26/07
38	64696--H7E		07085048	03/26/07
39	64697--F1		07085049	03/26/07
40	64698--F3		07085080	03/26/07
41	64699--F2		07085050	03/26/07
42	64700--F4		07085051	03/26/07
43	64701--F5		07085082	03/26/07
44	64702--GG		07085086	03/26/07
45	64703--G2		07085052	03/26/07
46	64704--G1		07085053	03/26/07
47	64705--GT1		07085054	03/26/07
48	64706--GT2		07085055	03/26/07
49	64707--GT3		07085056	03/26/07
50	64708--GT4		07085057	03/26/07
51	64709--EJ7		07085058	03/26/07
52	64710--CJ5		07085059	03/26/07
53	64711--HJ7		07085060	03/26/07
54	64712--CJ3		07085061	03/26/07
55	64713--CJ1		07085062	03/26/07
56	64714--CJ1S		07085063	03/26/07
57	64715--HJ5S		07085064	03/26/07
58	64716--CJ3S		07085065	03/26/07
59	64717--H5M		07085066	03/26/07
60	64718--EJ7S		07085067	03/26/07
61	64719--EJ5S		07085068	03/26/07
62	64720--EJ5S1		07085069	03/26/07
63	64721--EJ7G		07085070	03/26/07
64	64722--EJ24		07085071	03/26/07
65	64723--LG		07085087	03/26/07
66	64724--M		07085072	03/26/07
67	64725--M1		07085073	03/26/07
68	64726--H7M		07085074	03/26/07
69	64727--MG		07085075	03/26/07
70	64728--AP		07085076	03/26/07





CASTAGNA CONSTRUCTION/DANNECKER  
 #7-088 03.22.07



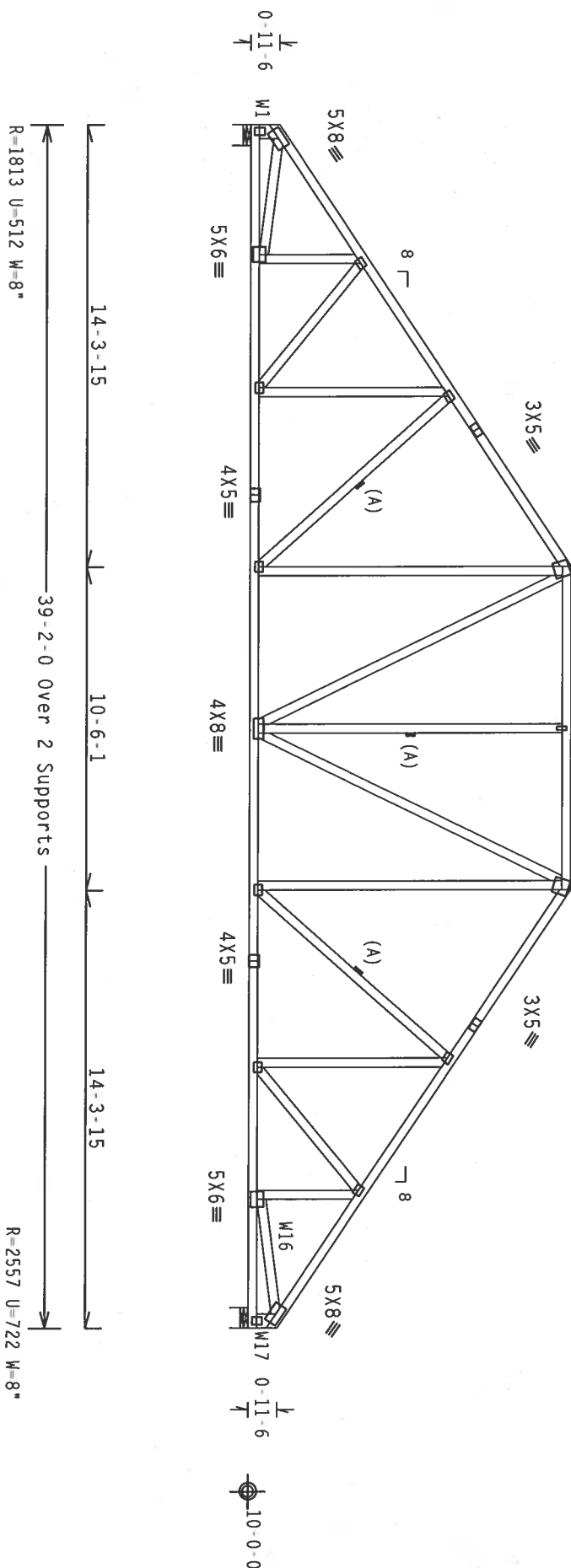
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3 : W1, W17 2x6 SP #2:  
: W16 2x4 SP #2 Dense:

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

TC - From	64 PLF at 0.00 to	64 PLF at 14.33
TC - From	64 PLF at 14.33 to	64 PLF at 24.84
TC - From	64 PLF at 24.84 to	64 PLF at 29.12
TC - From	176 PLF at 29.12 to	176 PLF at 29.34
TC - From	176 PLF at 29.34 to	237 PLF at 35.86
TC - From	64 PLF at 35.86 to	64 PLF at 39.17
BC - From	20 PLF at 0.00 to	20 PLF at 39.17
TC - From	124 LB Conc. Load at	35.86

This truss is not reversible. Per ANSI/TPI 1-2002, Section 2.4.3 Truss Manufacturer is responsible to provide information for proper orientation of trusses. This information shall be provided to the contractor.

110 mph wind, 15.72 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$  GCPI(+/-)=0.18  
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.



Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.24.1

\*\*\*HARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY, 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.

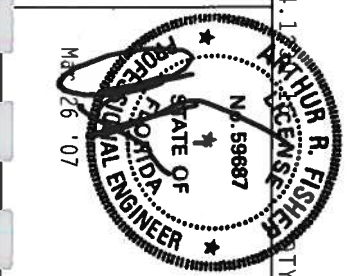
\*\*\*IMPORTANT\*\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMPLIANCE WITH APPLICABLE PROVISIONS OF AWS (QUALITY DESIGN SPEC. BY AFAPA) AND TPI-1. ITW BCG CONNECTOR PLATES ARE MADE OF 2010/1604 (W/H/S/S) ASTM A553 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY A LATERAL BRACE TO EACH END OF THE TRUSS. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604.2.

ALL TRUSSES ARE TO BE ASSEMBLED AND BRACED IN ACCORDANCE WITH THE TRUSS MANUFACTURER'S 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.



ITW Building Components Group, Inc. Gaines City, FL 33944  
FL Code of Jurisdiction # 567



TC LL	20.0 PSF	REF	R8228-64659
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCSR8228 07085022
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT. LD.	40.0 PSF	SEQN-	173798
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02



[illegible]

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

110 mph wind, 15.37 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EWP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf(+/-)=0.18

DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

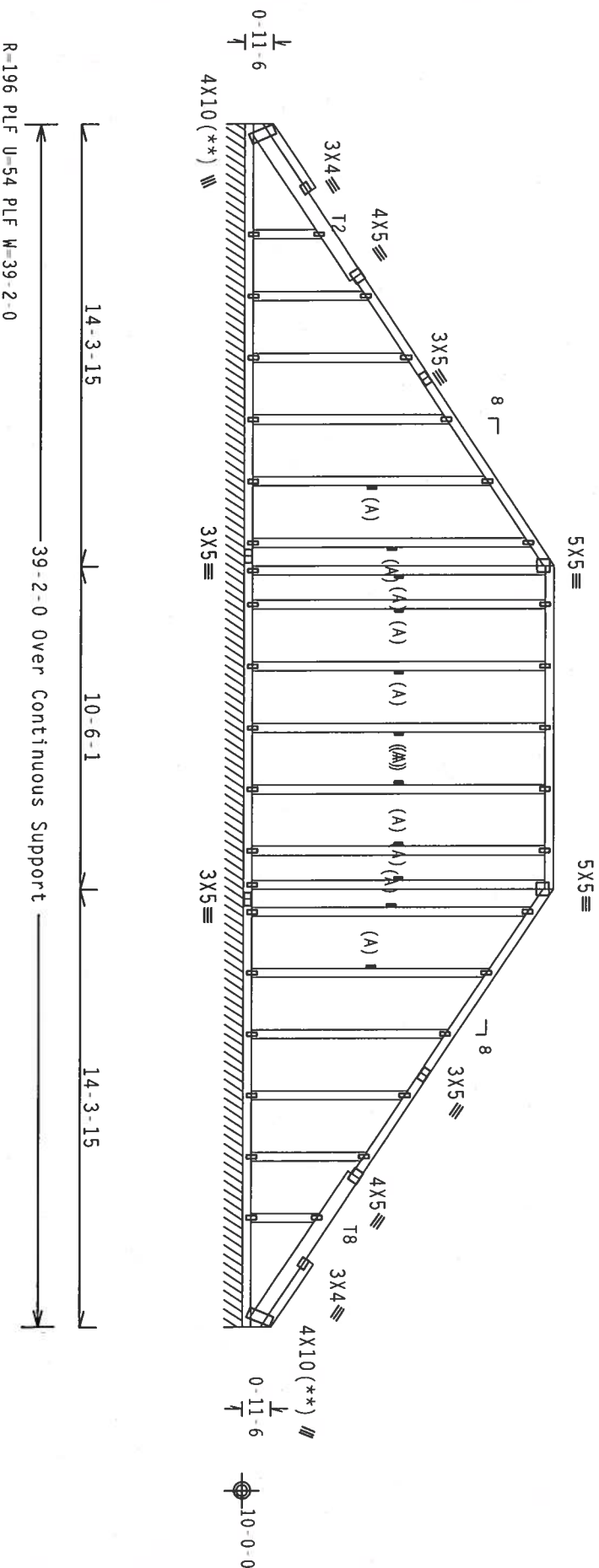
10

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

---

Girder supports 8-0-0 span to BC one face and 2-0-0 span to TC/BC split opposite face.

200

Design Crit:  $TPI-2002(STD)/FBC$  $Cq/RT=1.00(1.25)/10(0)$ 

FL/-/4/-/-/R/-

Scale = .1875"/Ft.

**WARNING:** TOBES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI GUIDING/COMPLEMENT SAFETY INFORMATION, PUBLISHED BY BCSI, 10000 BUCKLE CIRCLE, SUITE 100, NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND NICK, NATION TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MIDDLESEX, NJ 08919, FOR SAFETY PRACTICES PRIOR TO PREPARING THE SESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

№. 59687

TC LL	20.0 PSF
TC DL	10.0 PSF

REF	R8228 - 64660
DATE	03/26/07

\*\*\*IMPORTANT\*\*\*URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITV RCE INC SHALL NOT

STATE OF  
VER

BC DL 10.0 PSF

DRW HCUSR8228 07085077

ALPINE

ALPINE

**Haines City, FL 33844**

CONCRETE INDUSTRIES ASSOCIATION OF PROFESSIONAL ENGINEERING RESPONSIBILITY SUIT FOR THE CROSS 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.

2

DOCKILLAC, 1:20

CONTACTING 04 011

[illegible]

Top chord 2x4 SP #2 Dense: T4, T5 2x6 SP #2:  
Bot chord 2x6 SP #1 Dense: B2 2x6 SP #2:  
Webs 2x4 SP #3: W8, W12 2x4 SP #2 Dense:  
W16 2x6 SP #2:

SPECIAL LOADS

TC - From	DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25
TC - From	61 PLF at -1.50 to 61 PLF at 11.30
TC - From	64 PLF at 11.30 to 64 PLF at 21.16
TC - From	64 PLF at 21.16 to 64 PLF at 22.33
TC - From	61 PLF at 22.33 to 61 PLF at 32.84
TC - From	64 PLF at 32.84 to 61 PLF at 43.75
TC - From	61 PLF at 43.75 to 61 PLF at 46.88
TC - From	61 PLF at 46.88 to 61 PLF at 47.17
BC - From	4 PLF at -1.50 to 4 PLF at 0.00
BC - From	20 PLF at 0.00 to 20 PLF at 15.17
BC - From	20 PLF at 15.17 to 20 PLF at 31.17
BC - From	20 PLF at 31.17 to 20 PLF at 34.73
BC - From	133 PLF at 34.73 to 133 PLF at 47.17

See DWG5 A11015EE0207 & GBLLETTIN0207 for more requirements.

110 mph wind, 15.05 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, Exp C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, W=1.00 Gcpl(+/-)=0.18

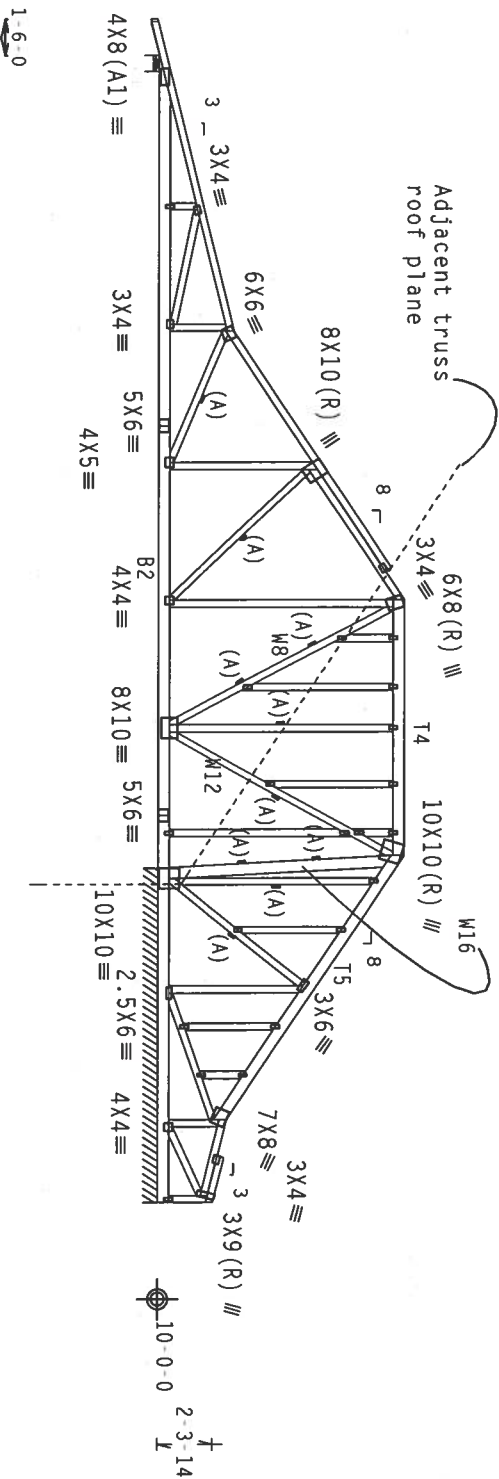
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

(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.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

FL/-/4/-/-/R/-

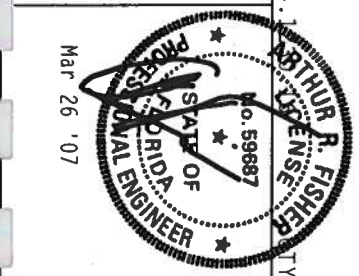
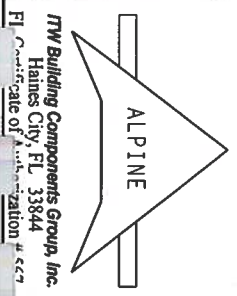
Scale = .125"/ft.

\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI'S BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY THE NATIONAL 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 BCG, 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 ARPA AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SS/V) 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.2.

DESIGNATION OF PLATES FOLLOWED BY TPI SHALL BE PER ANNEAL AS OF 1711.2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



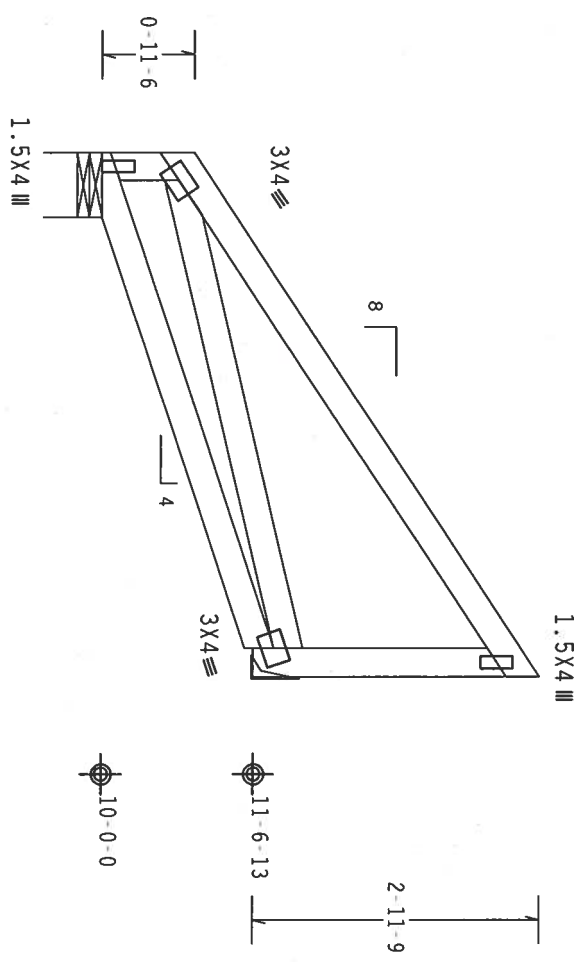
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TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085078
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT. LD.	40.0 PSF	SEQN-	173949
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02

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

Wind reactions based on MFRS 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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 gcpl(+/-)=0.18  
Right end vertical not exposed to wind pressure.



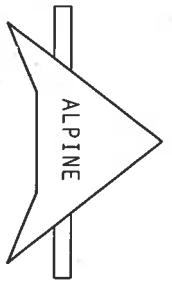
5-4-8 Over 2 Supports  
R=222 U=180 W=8\"/>

PLT TYP. Wave

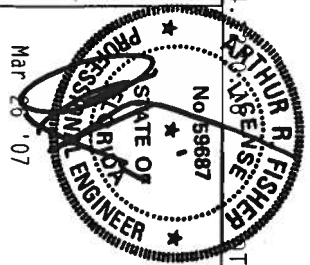
Design Crit: TP1-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST BUILDING COMPONENT 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. JTW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TP1. JTW BCG CONNECTION PLATES ARE MADE OF 2018/1604 (W.H/S/S) ASTM A553 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604.2. UNLESS OTHERWISE INDICATED, ALL CONNECTIONS SHALL BE PER ANNEA 20 OF TP11 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



JTW Building Components Group, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 557



TY: 1 FL / 4 / - / - / R / -

Scale = .5" / ft.

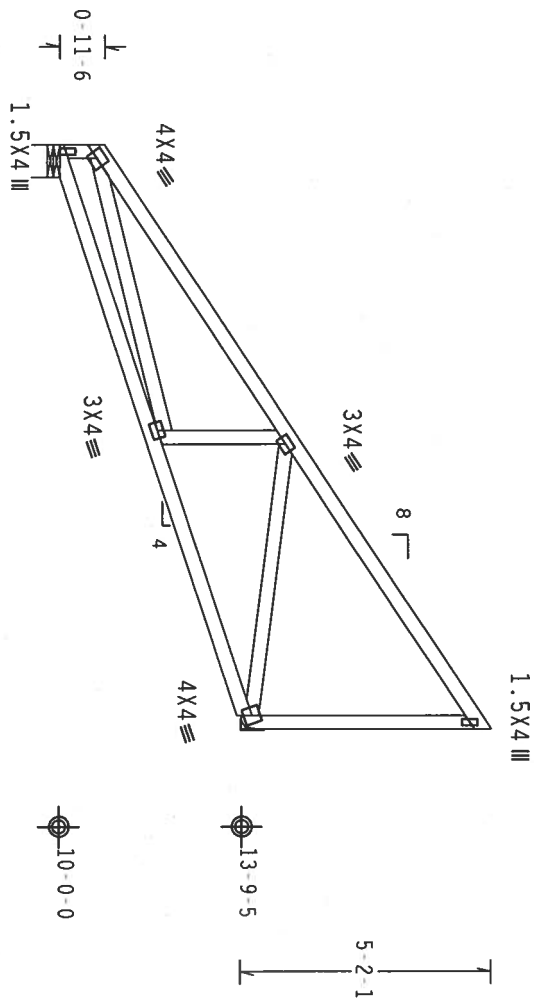
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TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCU8R8228 07085023
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT. LD.	40.0 PSF	SEQN-	173558
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$   $G_Cp1(+/-)=0.18$   
Right end vertical not exposed to wind pressure.



PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC  
Cq/RT=1.00(1.25)/10(0)

7.24.1

QTY:1 FL/-/4/-/1/R/-

Scale = .25\"/>

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE FOLLOWING INFORMATION IS FOR THE USER'S INFORMATION ONLY. IT IS THE USER'S RESPONSIBILITY TO OBTAIN THE NECESSARY PERMITS AND TO FOLLOW THE LOCAL, STATE AND FEDERAL REQUIREMENTS FOR THE INSTALLATION AND BRACING OF TRUSSES. THE USER SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE USER'S RESPONSIBILITY. THE USER SHALL BE RESPONSIBLE FOR THE PROPER ATTACHMENT OF THE TRUSS TO THE SUPPORTS AND TO THE CEILING. THE USER SHALL BE RESPONSIBLE FOR THE PROPER ATTACHMENT OF THE TRUSS TO THE CEILING. THE USER SHALL BE RESPONSIBLE FOR THE PROPER ATTACHMENT OF THE TRUSS TO THE CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE USER'S RESPONSIBILITY. THE USER SHALL BE RESPONSIBLE FOR THE PROPER ATTACHMENT OF THE TRUSS TO THE SUPPORTS AND TO THE CEILING. THE USER SHALL BE RESPONSIBLE FOR THE PROPER ATTACHMENT OF THE TRUSS TO THE CEILING. THE USER SHALL BE RESPONSIBLE FOR THE PROPER ATTACHMENT OF THE TRUSS TO THE CEILING.

ALPINE

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



TC LL	20.0 PSF	REF	R8228 - 64663
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085024
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN	173765
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T5Z8228202



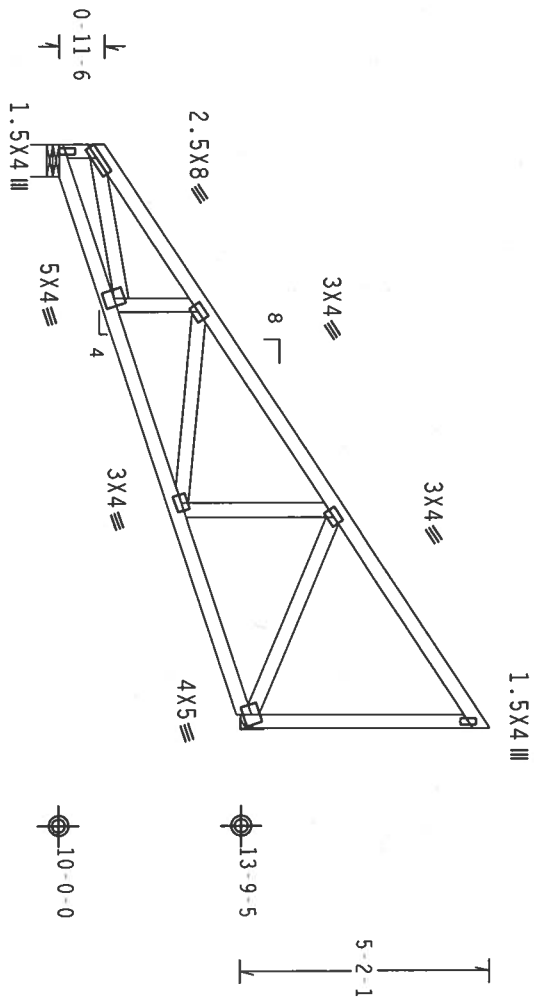
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

**SPECIAL LOADS**

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
TC - From 64 PLF at 0.00 to 64 PLF at 3.30  
TC - From 286 PLF at 3.30 to 225 PLF at 10.05  
TC - From 64 PLF at 10.05 to 64 PLF at 12.00  
BC - From 21 PLF at 0.00 to 21 PLF at 11.71  
TC - 186 LB Conc. Load at 3.30

Loading has been calculated by the truss fabricator.  
It is the responsibility of the Building Designer (or  
Engineer of Record) to verify and approve the loading.

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 C, wind TC  
DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCPI(+/-)=0.18  
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.



12-0-0 Over 2 Supports  
R=1222 U=339 W=8"  
R=1270 U=352

PLT TYP. Wave

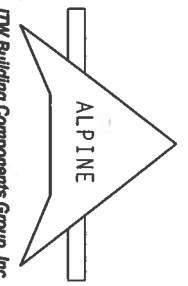
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24.1

\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.  
TRUSSES ARE TO BE STORED UPRIGHT ON A FLAT SURFACE. DO NOT LIE ON THEIR SIDE. DO NOT WALK ON TRUSSES.  
NORTH LEE STREET, SUITE 312, TAMPA, FL 33604-1234 AND VICTOR TRUSS COMPANY, UNLESS  
OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE  
A PROPERLY ATTACHED RIGID CEILING.

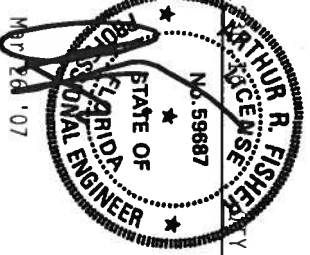
\*\*\*IMPORTANT\*\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT  
BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OF TRUSSES IN CONFORMANCE WITH  
TPI-2002(STD)/FBC, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AREA) AND TPI-2002(STD)/FBC.  
CONNECTOR PLATES ARE MADE OF 2018/1664 (W/H/55/4) ASTM A653 GRADE 40/60 (W, K/H/55) 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 ANNEA AS OF TPI-2002 SEC.3. A SEAL ON THIS  
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT  
DESIGN. ENGINEER'S SIGNATURE AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE  
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.  
Haines City, FL 33844  
FL Code of Jurisdiction #567



TC LL	20.0 PSF	REF	R8228-64664
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085025
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN-	173802
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228202

Scale = .25"/ft.

110 mph wind, 15.72 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, Cat II, Exp C, wind TC DL=5.0 psf, wind BC DL=5.0 psf Iw=1.00 Gcpi(+/-)=0.18

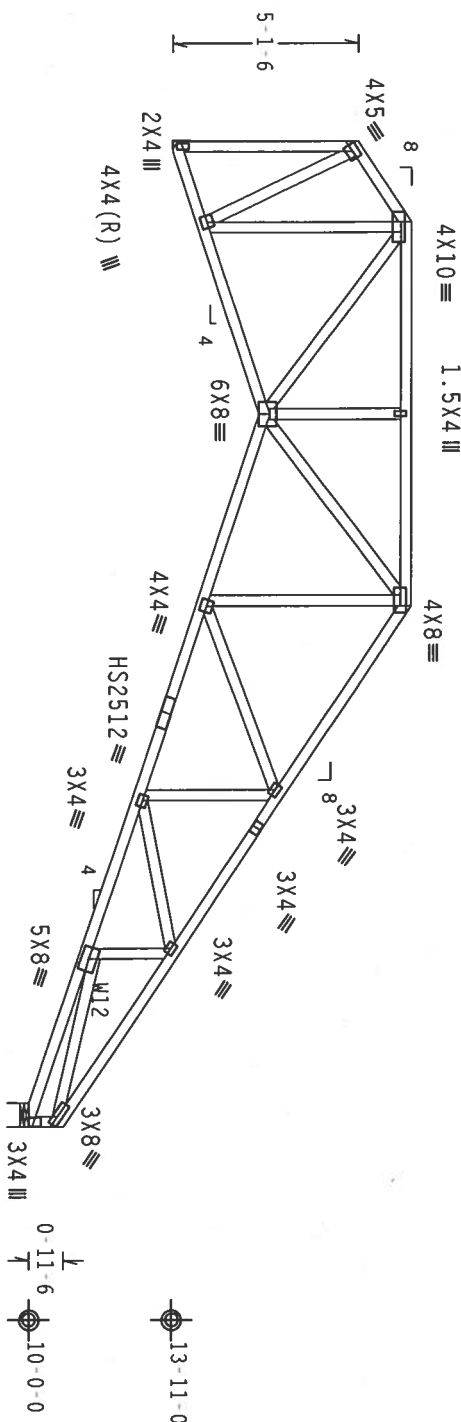
Wind reactions based on MWFRS pressures.

left end vertical not exposed to wind pressure.

Calculated horizontal deflection is 0.11" due to live load and 0.17" due to dead load.

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

Loading has been calculated by the truss fabricator. It is the responsibility of the Building Designer (or Engineer of Record) to verify and approve the loading



Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0) \quad 7.24.$ 

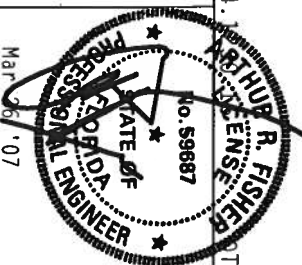
TY:1 FL/-/4/-/-/R/-

Scale = .1875"/Ft.

**WARNING:** FRAMES BUILDING EXTERIOR CASE IN FABRICATION. SHIPPING, INSTALLING AND BRACING. REFER TO GC#1 (BUILDING COMPONENT SAFETY INFORMATION). MANAGED BY IP1 (TROSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MASON, MI, 48139) FOR SAFETY PRACTICES PRIOR TO TRANSFERRING THESE COMPONENTS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

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



TC LL	20.0 PSF	REF	R8228- 64665
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085079
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN-	13679
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228202



110 mph wind, 15.72 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP C, wind Td DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 Gcpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

0.16" due to dead load.

factor for dead load is 1.50.

R=1992 U=581 W=8'

Scale = .1875"/Ft.

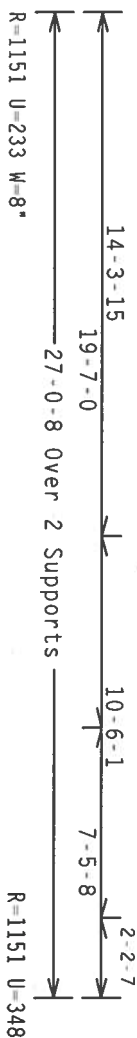
STATE



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110 mph wind, 15.72 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$  Gcpi(+/-)=0.18



Scale = .1875"/Ft.

CONNECTION PLATES MADE OF 2018/1604 (C/N:055/5) ASIN A655 GRADE 40/60 (C/N:55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND INSURE OVERLAP. POSITION PER DRAWING 1604.2. SEAL ON THIS SIDE. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA AS OF 1/11/2002 SEC.3. A SEAL ON THIS SIDE AND INDICATES ACCEPTANCE OF PROFESSIONAL AND ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS DESIGNER'S DESIGN. USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI-1 SEC. 2.



TC LL	20.0 PSF	REF	R8228- 64667
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085027
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN-	173747
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228202

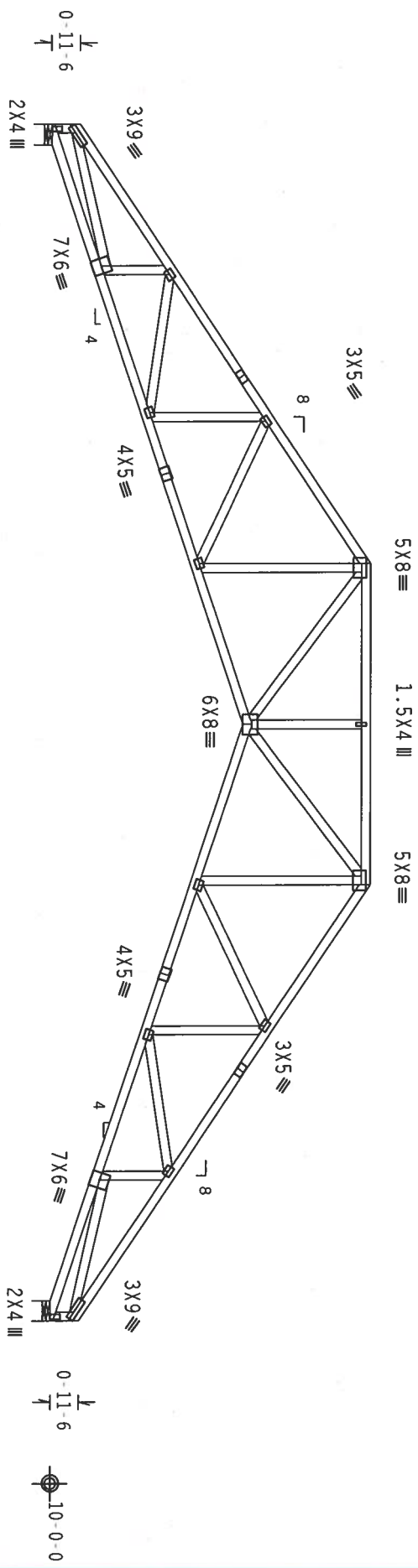
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

Wind reactions based on MFRS pressures.

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

110 mph wind, 15.72 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf,  $I_w=1.00$   $G_{CPI}(+/-)=0.18$

Calculated horizontal deflection is 0.26" due to live load and 0.43" due to dead load.



14-3-15 19-7-0 10-6-1 19-7-0 14-3-15  
39-2-0 Over 2 Supports  
R=1667 U=402 W=8"

Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

7.24.1 FL/-/4/-/R/-

Scale = .1875"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS SOCIETY OF AMERICA, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304, AND WICA (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 BCG, 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.

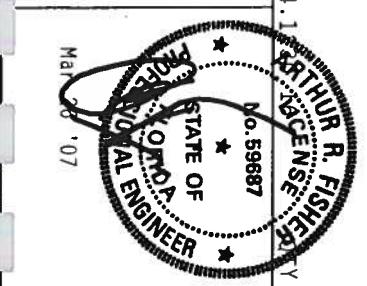
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2018/16GA (W/SS/SS) ASTM A653 GRADE 40/60 (Q, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER GRANTING 160A.2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AS OF TPI-2002, SEC.3. A SEAL ON THIS DESIGN SHALL BE AFFIXED TO THE TRUSS DESIGN. THE SEAL SHALL BE AFFIXED TO THE TRUSS DESIGN. THE SEAL SHALL BE AFFIXED TO THE TRUSS DESIGN. THE SEAL SHALL BE AFFIXED TO THE TRUSS DESIGN.

DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

ALPINE



TC LL	20.0 PSF	REF	R8228-64668
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCSR8228 07085028
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT. LD.	40.0 PSF	SEQN-	173116
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02



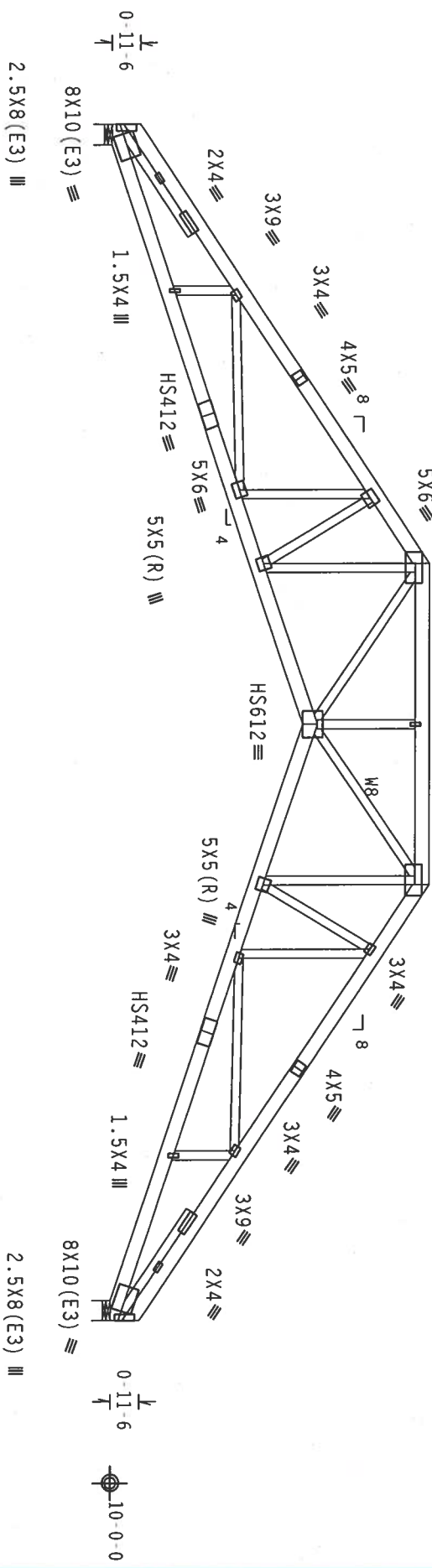
Top chord 2x6 SP #1 Dense  
Bot chord 2x6 SP #1 Dense  
Webs 2x4 SP #3 : W8 2x4 SP #2 Dense:  
:Lt Slider 2x4 SP #2 Dense: BLOCK LENGTH = 4.315'  
:Rt Slider 2x4 SP #2 Dense: BLOCK LENGTH = 4.314'

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
TC - From 64 PLF at 0.00 to 64 PLF at 14.33  
TC - From 64 PLF at 14.33 to 64 PLF at 24.84  
TC - From 64 PLF at 24.84 to 64 PLF at 39.17  
BC - From 21 PLF at 0.00 to 21 PLF at 19.58  
BC - From 21 PLF at 19.58 to 21 PLF at 39.17  
BC - 472 LB Conc. Load at 5.44  
BC - 1573 LB Conc. Load at 12.06

This truss is not reversible. Per ANSI/TPI 1-2002,  
Section 2.4.3 Truss Manufacturer is responsible to  
provide information for proper orientation of trusses.  
This information shall be provided to the  
contractor.

110 mph wind, 15.72 ft mean hgt, ASCE 7-02, CLOSED bldg, not  
located within 4.50 ft from roof edge, CAT 11, Exp C, wind TC  
DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$   $GCPi(+/-)=0.18$   
Wind reactions based on MWFRS pressures.  
Calculated horizontal deflection is 0.33" due to live load and  
0.54" due to dead load.  
Deflection meets L/240 live and L/180 total load. Creep increase  
factor for dead load is 1.50.



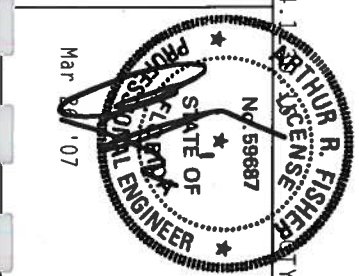
PLT TYP. 20 Gauge HS,18 Gauge HS, Design Crit: TPI-2002(STD)/FBC  
Wave Cq/RT=1.00(1.25)/10(0) 7.24.1

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN ERECTION, HANDLING, SHIPPING, INSTALLING AND BRACING.  
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WICA CHORD 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.

ALPINE

TW Building Components Group, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 5547

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT  
BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OF THE TRUSS IN CONFORMANCE WITH  
TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.  
DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF WDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI.  
CONNECTOR PLATES ARE MADE OF 70/18/16GA (W/N/S/S) ASTM A653 GRADE 40/60 (W, K/H, S5) GALV. STEEL. APPLY  
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z.  
AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK AS OF TPI 1-2002 SEC.3. A SEAL ON THIS  
DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE  
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228 - 64669
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085088
BC LL	0.0 PSF	HC-ENG CR/AF	
TOT. LD.	40.0 PSF	SEQN-	173790
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T5Z8228Z02

Scale = .1875"/ft.

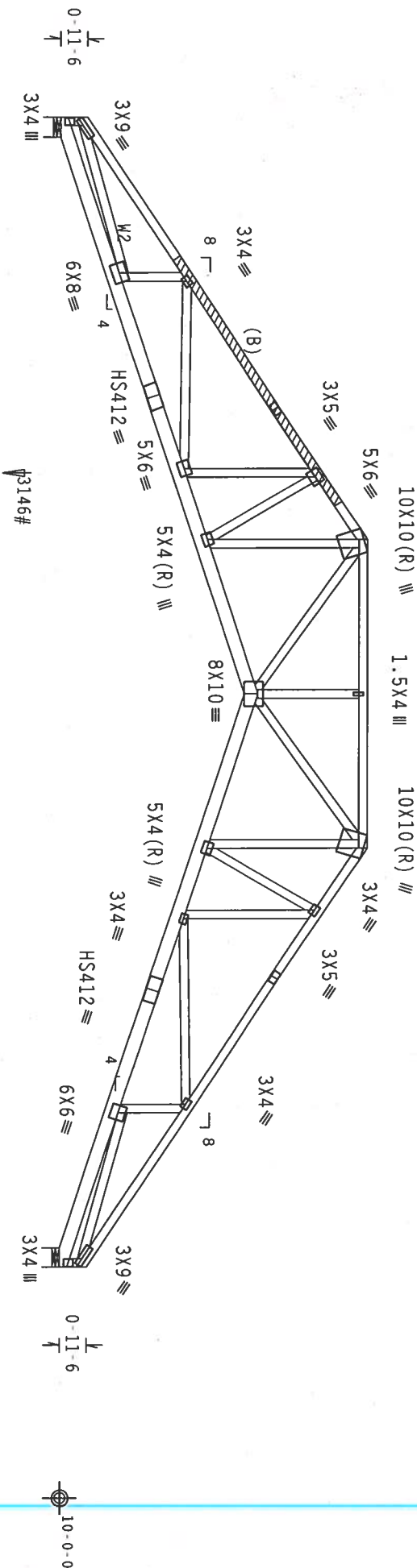
**2 COMPLETE TRUSSES REQUIRED**  
Natl'g Schedule: (10d\_Box\_or\_Gun\_(0.128"x3",\_min.)\_natls)

1800

110 mph wind, 15.72 ft mean hgt, ASCE 7-02. CLOSED bldg, not located within 4.50 ft from roof edge. CAT II, EXP C, Wind to DL=0.0 psf, wind BC DL=5.0 psf, IW=1.00 GCP(+/-)=0.18

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

10



Scale = .1875"/Ft.

R=4657 U=1315 W=8"

14-3-15

19-7-0

10-6-1

14-3-15

19-7-0

39-2-0 Over 2 Supports

R=2767 U=781 W=8"

No. 59687

**FREE**



10 07 11.11

10

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL DESIGNER'S DESIGN SHOWN. THE SUITABILITY AND USE OF BUILDING DESIGNER PER ANSI/SPR 1 SEC. 2.

10 07 1011

JREF - 1T5Z8228Z02

[illegible]

Top Chord 2x4 SP #2 Dense : T3 2x6 SP #1 Dense:  
Bot Chord 2x6 SP #1 Dense  
Webs 2x4 SP #3 : W2, W16 2x4 SP #2 Dense:

## 2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or 10d x3" min.)  
Top Chord: 1 Row @ 12.00" o.c.  
Bot Chord: 1 Row @ 9.50" o.c.  
Webs: 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

110 mph wind, 15.72 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, W=1.00 GCPI(+/-)-0.18

Calculated horizontal deflection is 0.32" due to live load and 0.50" due to dead load.

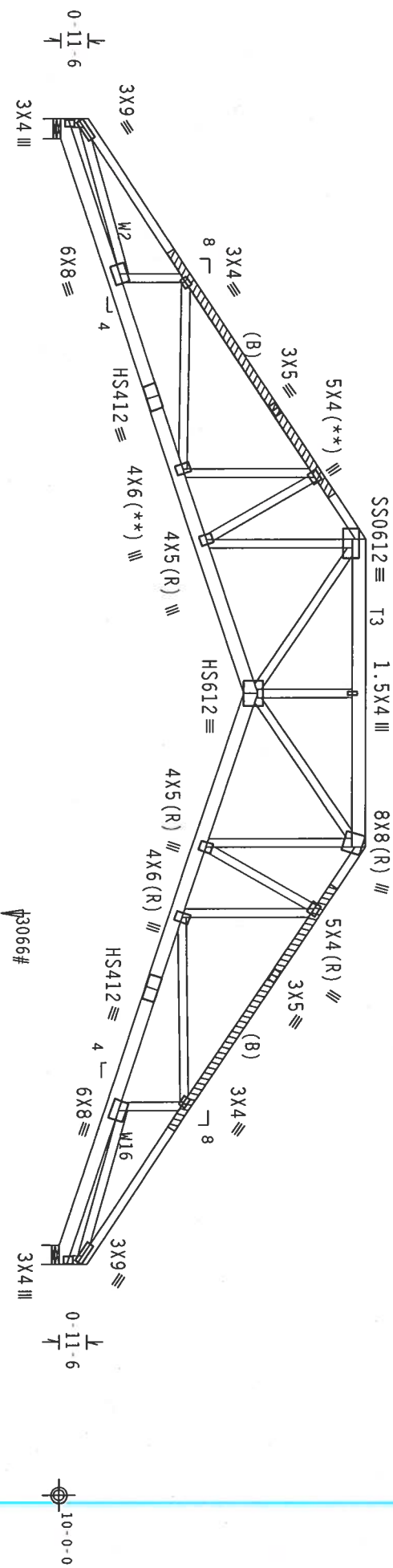
Calculated vertical deflection is 0.41" due to live load and 0.64" due to dead load at X = 19-7-0.

SPECIAL LOADS  
-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25  
TC - From 64 PLF at 0.00 to 64 PLF at 14.33  
TC - From 64 PLF at 14.33 to 64 PLF at 24.84  
TC - From 64 PLF at 24.84 to 64 PLF at 29.17  
BC - From 21 PLF at 0.00 to 21 PLF at 19.58  
BC - From 21 PLF at 19.58 to 21 PLF at 39.17  
BC - 746 LB Conc. Load at 5.44  
BC - 2045 LB Conc. Load at 12.06  
BC - 3066 LB Conc. Load at 27.10

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.

- (B) (1) scab reinforced. 2x4x (10-0-0) SP #2 Dense (or better). Attach to one face of truss with (1) row of 10d box (0.128"x3") nails @ 6" o.c. throughout member(s) without splitting lumber.



14-3-15 19-7-0 10-6-1 14-3-15 19-7-0  
R=4669 U-1318 W=8"  
R=4522 U-1277 W=8"

PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: TPI-2002(STD)/FBC

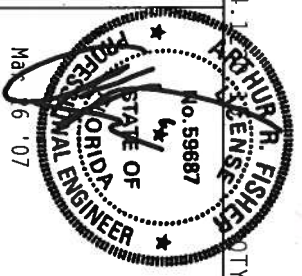
Q/RT=1.00(1.25)/10(0) 7.24.18 HURR. FISHER QTY:1 FL/-4/-/R/- Scale = .1875"/ft.

\*\*HARRING\*\* TRUSSES REQUIRE EXTREME CARE IN ERECTION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 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.

ALPINE

ITW Building Components Group, Inc.  
Haines City, FL 33844  
FL State of Florida, Division of Building

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, 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. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/S) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY DEVIATION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING SHALL BE OBTAINED FROM A PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABLEITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228-64671
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCSR8228 07085090
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT. LD.	40.0 PSF	SEQN-	174053
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228202



Top Chord 2x4 SP #2 Dense  
Bot Chord 2x6 SP #1 Dense  
Webs 2x4 SP #3 :W20 2x4 SP #2 Dense:

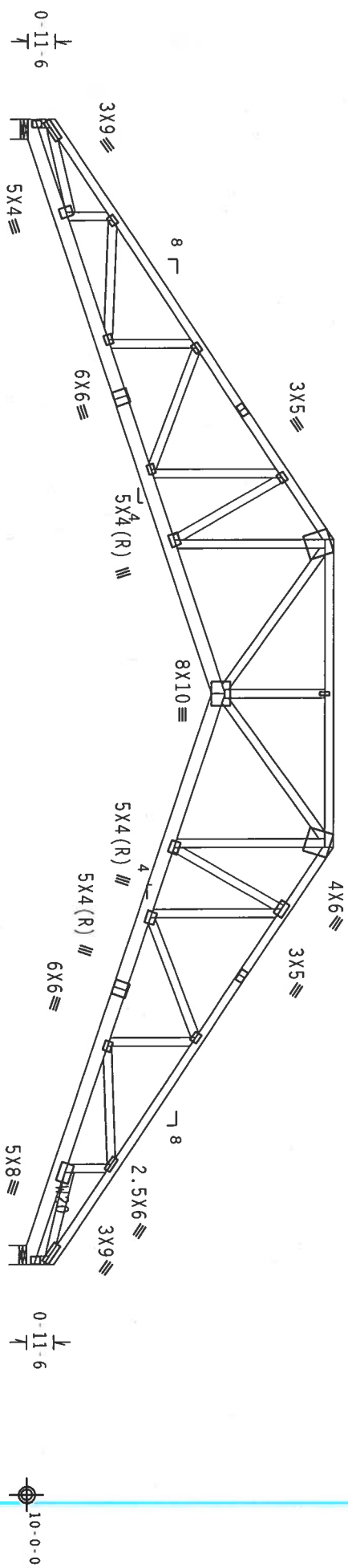
SPECIAL LOADS

TC - From	64 PLF at 0.00 to	64 PLF at 14.33
TC - From	64 PLF at 14.33 to	64 PLF at 24.84
TC - From	64 PLF at 24.84 to	64 PLF at 29.11
TC - From	225 PLF at 29.11 to	225 PLF at 29.34
TC - From	225 PLF at 29.34 to	286 PLF at 35.86
TC - From	64 PLF at 35.86 to	64 PLF at 39.17
BC - From	21 PLF at 0.00 to	21 PLF at 19.58
BC - From	21 PLF at 19.58 to	21 PLF at 39.17
BC -	186 LB Conc. Load at 27.10	
BC -	2364 LB Conc. Load at 27.10	

Loading has been calculated by the truss fabricator.  
It is the responsibility of the Building Designer (or  
Engineer of Record) to verify and approve the loading.

This truss is not reversible. Per ANSI/TPI 1-2002,  
Section 2.4.3 Truss Manufacturer is responsible to  
provide information for proper orientation of trusses.  
This information shall be provided to the contractor.

10X10(R) 1.5X4 10X10(R)



14-3-15 19-7-0 10-6-1 39-2-0 Over 2 Supports 14-3-15 19-7-0  
R=2685 U=758 W=8" R=4683 U=1322 W=8"

Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING.  
RETURN TO THE TRUSS MANUFACTURER FOR ALL PROBLEMS AND REPAIRS. NO TRUSS SHALL BE USED FOR ANY OTHER PURPOSE.  
ENTERPRISE LANE, MADISON, MI 48061-1537 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.

ALPINE

ITW Building Components Group, Inc.  
Haines City, FL 33844  
FL State of Florida, Division of Building

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun (0.128"x3", min.) nails)  
Top Chord: 1 Row @10.25" o.c.  
Bot Chord: 1 Row @12.00" 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, 15.72 ft mean hgt, ASCE 7-02, CLOSED bldg, not  
located within 4.50 ft from roof edge, CAT II, EXP C, Wind TC  
DL=5.0 psf, Wind BC DL=5.0 psf, W=1.00 Gcpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

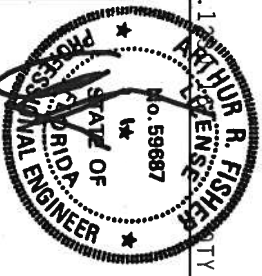
Calculated horizontal deflection is 0.25" due to live load and  
0.40" due to dead load.

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

Design Crt: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24.1

FL/-/4/-/R/-

Scale = 1/875"/ft.



TC LL	20.0 PSF	REF R8228-64672
TC DL	10.0 PSF	DATE 03/26/07
BC DL	10.0 PSF	DRW HCUR8228 07085091
BC LL	0.0 PSF	HC-ENG CR/AF
TOT.LD.	40.0 PSF	SEQN- 174098
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T5Z8228Z02

110 mph wind, 21.52 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DLE=5.0 psf, wind BC DLE=5.0 psf Iw=1.00 Gcpl(+/-)=0.18

End verticals not exposed to wind pressure.


$$C_q/RT=1.00(1.25)/10(0)$$

Scale = .1875"/Ft.

1  
ARTHUR R FISHER  
LICENSE  
No. 59687  
STATE OF  
1

FREE

STANDARD



May 07

May 19 2017

3

2

1

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100

TC LL	20.0 PSF	REF	R8228-64673
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085029
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN-	173667
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228202

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

110 mph wind, 15.72 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCPI(+/-)=0.18

Wind reactions based on MMFRS pressures.

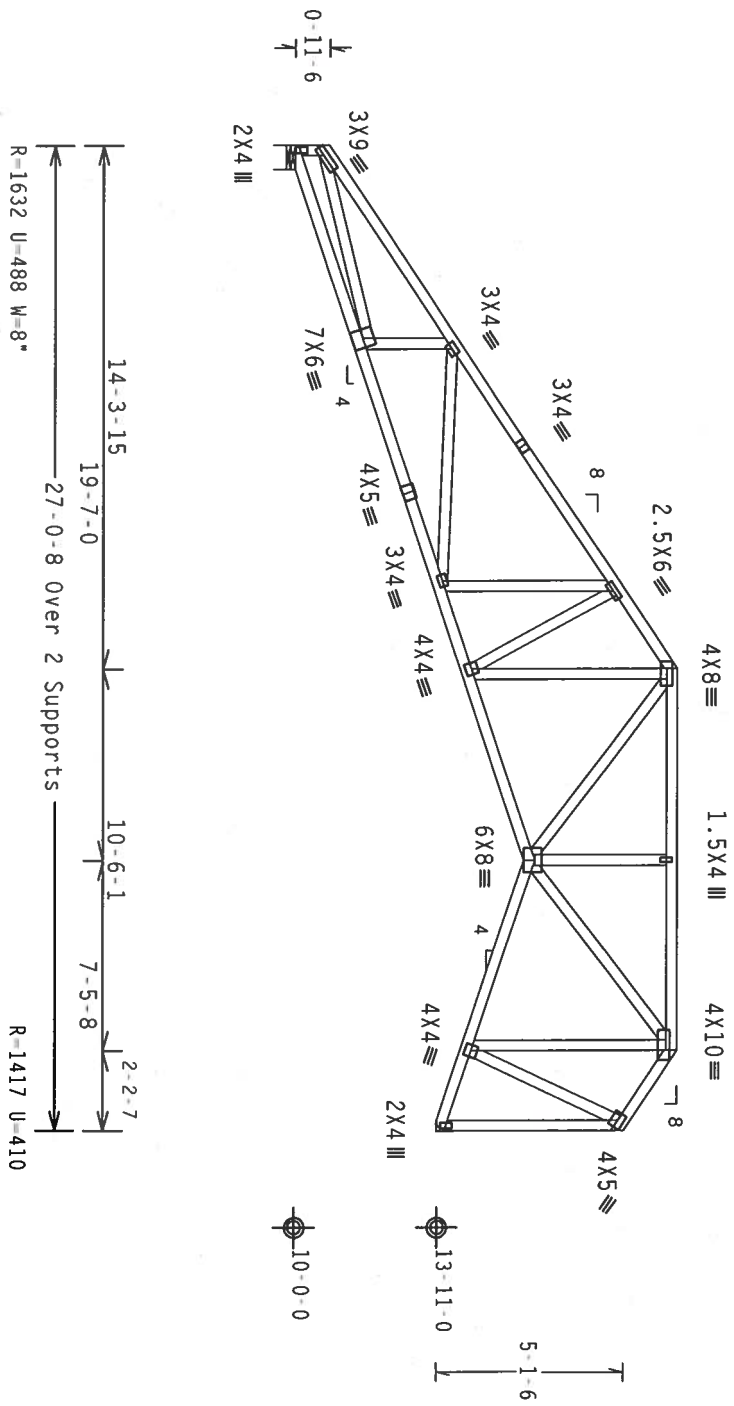
Calculated horizontal deflection is 0.10" due to live load and 0.17" due to dead load.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
TC - From 64 PLF at 0.00 to 64 PLF at 14.33  
TC - From 64 PLF at 14.33 to 64 PLF at 24.84  
TC - From 64 PLF at 24.84 to 64 PLF at 27.04  
BC - From 21 PLF at 0.00 to 21 PLF at 19.58  
BC - From 21 PLF at 19.58 to 21 PLF at 27.04  
PLB - 274 LB Conc. load at (5.44, 11.63)  
PLB - 472 LB Conc. load at (12.06, 13.84)

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.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

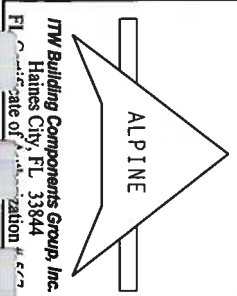
7.24.1 FL/-/4/-/R/-

Scale = .1875"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND NCA (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 BCG, 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 COMPLIES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AREA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (W/55/5) ASTM A653 GRADE 40/60 (W, K/H-55) GALV. STEEL. APPLY ALL RECOMMENDED DETAILING AND BRACING REQUIREMENTS. THIS TRUSS IS DESIGNED FOR THE TRUSS COMPANY'S DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE TRUSS COMPANY'S DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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Haines City, FL 33844  
FL Certificate of Registration # 677

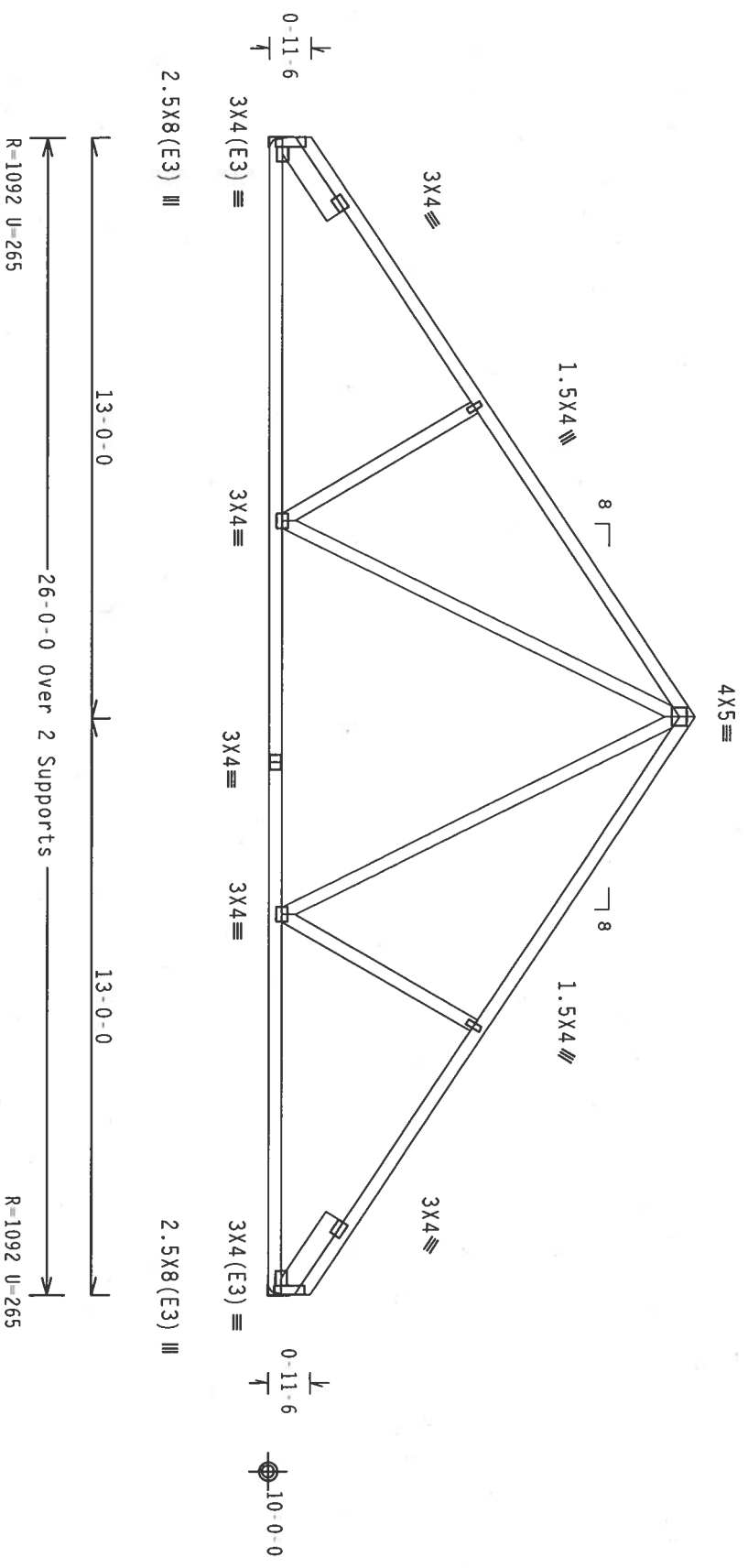
TC LL	20.0 PSF	REF	R8228-64674
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085081
BC LL	0.0 PSF	HC-ENG CR/AF	
TOT.LD.	40.0 PSF	SEQN	173672
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T5Z8228Z02





Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
:Lt Slider 2x6 SP #2: BLOCK LENGTH = 2.122'  
:Rt Slider 2x6 SP #2: BLOCK LENGTH = 2.122'  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.28 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$  GCPI (+/-)=0.18  
Wind reactions based on MWFRS pressures.



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

\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGNER FOR TRUSS SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 ENTERPRISE BLVD., SUITE 100, ALBANY, NY 12204-1000). ALWAYS FOLLOW THE MANUFACTURER'S INSTRUCTIONS. OTHERWISE, INDICATED FOR 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 BCG, 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. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ACPA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/1664 (W/H/55/X) ASTM A653 GRADE 40/60 (W, K/H/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK AS OF TPI-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.



PROFESSIONAL ENGINEER  
STATE OF FLORIDA  
No. 59687  
R. FISHER  
Mar 26 '07

TC LL	20.0 PSF	REF R8228-64676
TC DL	10.0 PSF	DATE 03/26/07
BC DL	10.0 PSF	DRW HCUR8228 07085030
BC LL	0.0 PSF	HC-ENG CR/AF
TOT. LD.	40.0 PSF	SEON- 172780
DUR. FAC.	1.25	
SPACING	24.0"	
JREF	1T5Z8228Z02	

Wind reactions based on MWFRS pressures.  
End verticals not exposed to wind pressure.

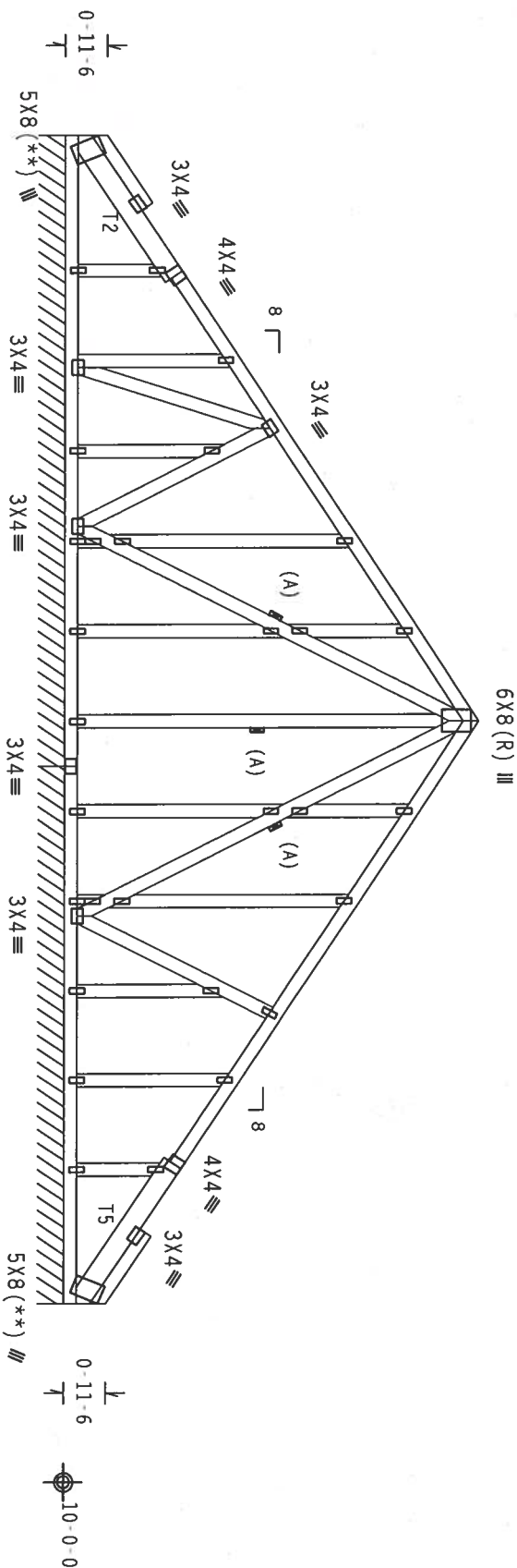
(A) Continuous lateral bracing equally spaced on member.

Bracing shown in referenced gable detail may be used in lieu of web bracing indicated on this drawing.

110 mph wind, 15.00 ft mean hgt., ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$  Gcpl(+/-)=0.18

Truss spaced at 24.0" OC designed to support 1-0-0 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.



13-0-0 13-0-0

26-0-0 Over 2 Supports

R=130 PLF U=18 PLF W=14-0-0

R=137 PLF U=28 PLF W=12-0-0

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)

$$Cq/RT=1.00(1.25)/10(0)$$

7.24.12

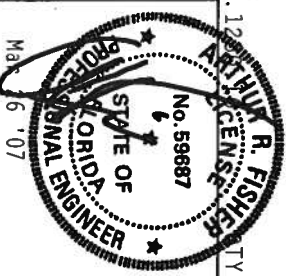
FL/-/4/-/-/R/-

Scale = .25"/Ft.

**\*WARNING\*** TRUCKS REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND DRIVING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATING INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WPCA (WOOD TRUSS COUNCIL OF AMERICA, 63000 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO RECONSTRUCTING THESE STRUCTURES. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

**ITW Building Components Group, Inc.**  
Haines City, FL 33844  
FL Certificate of Authorization # 557



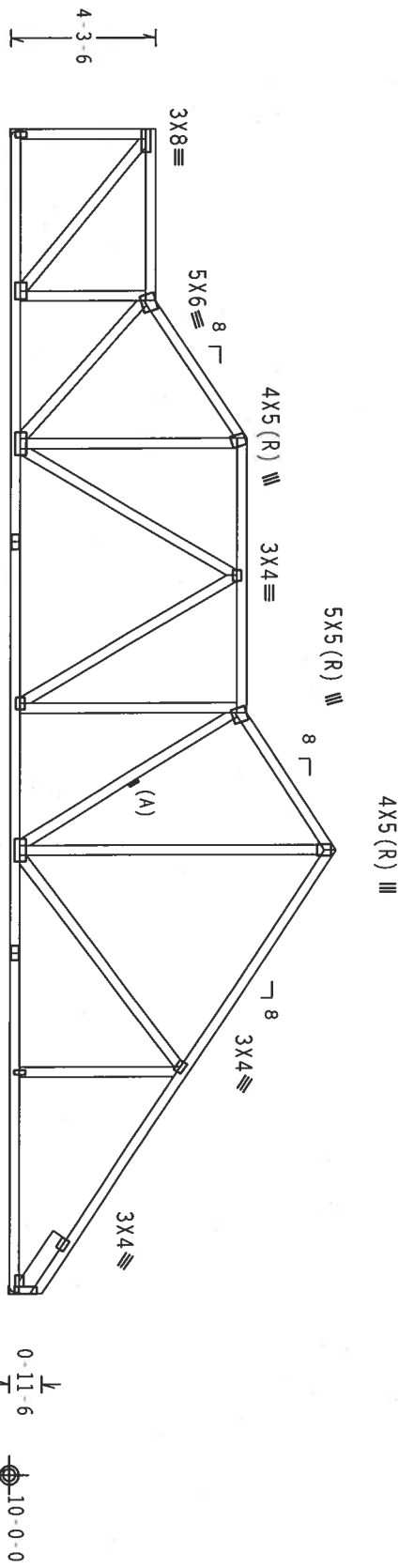
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TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 0705084
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN-	173884
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T528228202

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
:Rt Slider 2x6 SP #2: BLOCK LENGTH = 2.07'

Left end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

110 mph wind, 15.28 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $1w=1.00 GCP(+/-)=0.18$   
Wind reactions based on MWFRS pressures.  
Max JT VERT DEF: LL: 0.11" DL: 0.19" recommended camber 1/4"  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



5'-0'-0" 4'-0'-0" 8'-0'-0" 4'-0'-0" 13'-0'-0"  
34'-0'-0" Over 2 Supports  
R=1429 U=370  
R=1429 U=340

PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

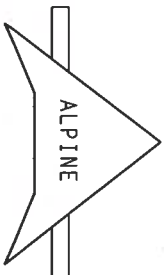
FL/-/4/-/-/R/-

Scale = .1875"/ft.

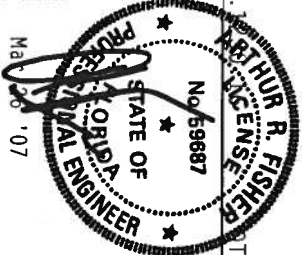
\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND WICHITA, KS 67201. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AS OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY OR THE TRUSS COMPONENT MANUFACTURER'S SEAL OF APPROVAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.  
Haines City, FL 33844  
FL-001-001-001-001-001



TC LL	20.0 PSF	REF	R8228 - 64678
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085031
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT. LD.	40.0 PSF	SEQN-	172994
DUR. FAC.	1.25		
SPACING	24.0"	JREF -	1T5Z8228Z02



WEDS ZX4 SP #3

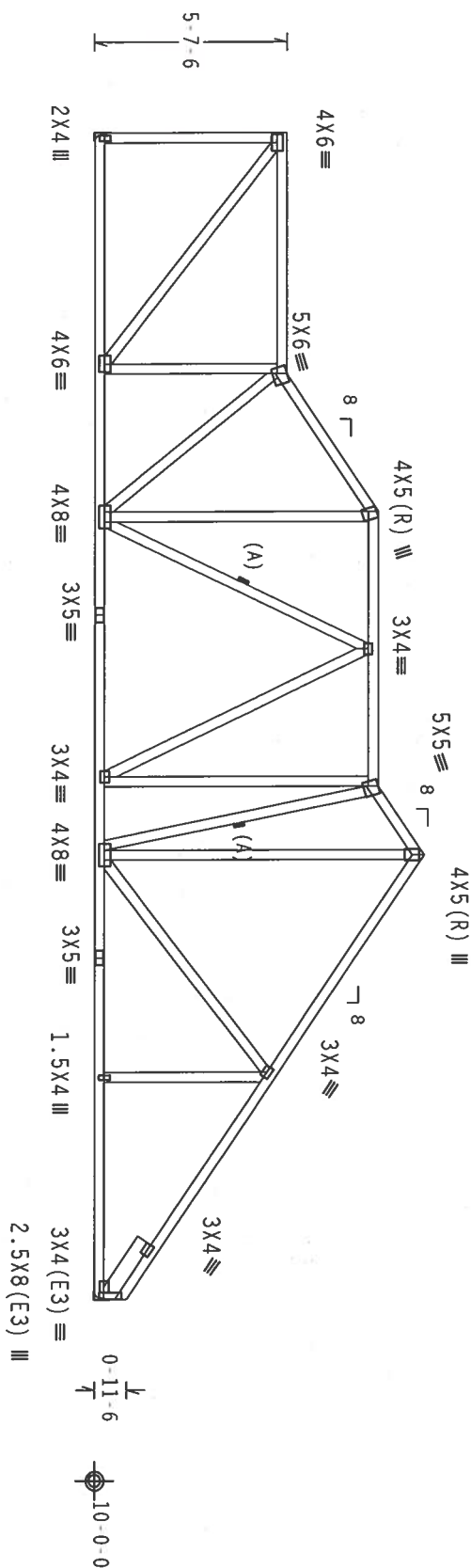
(A) Continuous lateral bracing equally spaced on member.

110 mph wind, 15.28 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, Wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$  Gcpi (+/-) 0.18

Wind reactions based on MMFRS pressures.

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

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



34-0-0 Over 2 Supports  $R=1429$   $U=335$

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)

 $Cq/RT=1.00(1.25)/10(0)$ 

**LICENSE** FL/-/4/-/-/R/-  
**CITY:** 1

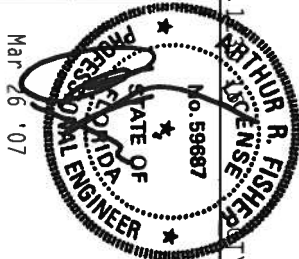
Scale = .1875"/Ft.

\*WARNING\*\* FRILES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DG-1 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TROSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD PRESERVING COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MOJIB, MI, 48139) FOR SAFETY PRACTICES PRIOR TO INSTALLING THESE FRILES. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

**ITW Building Components Group, Inc.**  
Chicago, IL 60644

**HAINES CITY, FL 33844**



TC LL	20.0 PSF	REF	R8228 - 64679
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085032
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN	173004
DUR.FAC.	1.25		
SPACING	24.0"	JREF	- 1T528228202

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf Iw=1.00 gcpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

(A) Continuous lateral bracing equally spaced on member.


$$Cq/RT=1.00(1.25)/10(0)$$

Scale = .1875"/Ft.

12  
ARTHUR R. FISHER  
LICENSE  
No. 59687  
CITY



Mar 28 '07

10-27-1911

•

TC LL	20.0 PSF	REF	R8228- 64680
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085033
BC LL	0.0 PSF	HC-ENG	CR /AF
TOT.LD.	40.0 PSF	SEQN-	173012
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02

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 C, wind TC  
DL=5.0 psf, wind BC DL=5.0 psf Iw=1.00 GCpf(+/-)=0.18

DL=5.0 psf, Wind BC DL=5.0 psf. IW=1.00 GCPI (+/-)=0.18

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.

 $C_q/RT=1.00(1.25)/10(0)$ 

7.24.18

FL/-/4/-/-/R/-/-

Scale = .1875"/Ft.

\*"WARNING" FRAMES (BUILDING COMPONENT SAFETY INFORMATION). HANDLED BY TP1 (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 65000 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 PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. IIM BCG, INC. SHALL NOT**

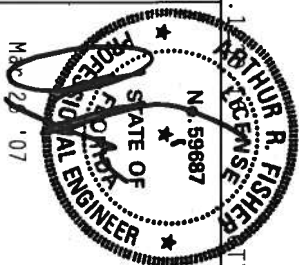
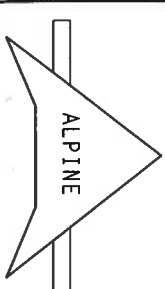
TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

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 REF DRAWINGS 1604-3

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

**TTW Building Components Group, Inc.**  
Haines City, FL 33844  
FL Certificate of Registration # 677



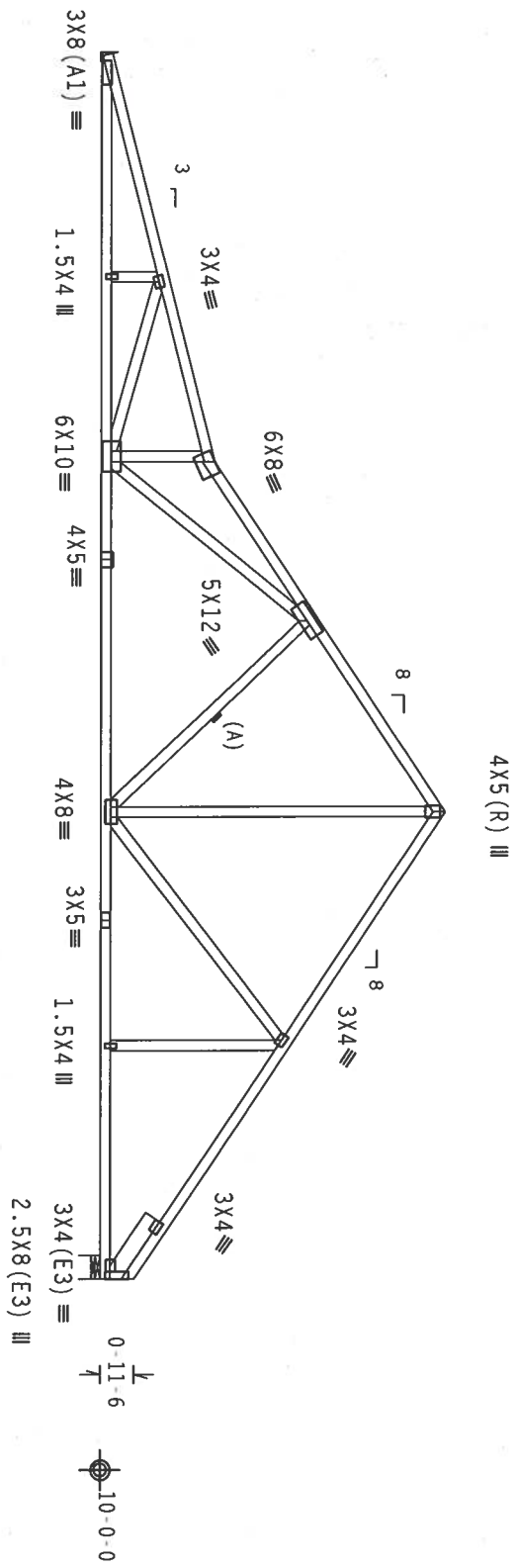
TC LL	20.0 PSF	REF	R8228 - 64681
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085034
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN -	173024
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T5Z8228202

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

:Rt Slider 2x6 SP #2: BLOCK LENGTH = 2.078'

(A) Continuous lateral bracing equally spaced on member.

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$   $GCP(+/)=0.18$   
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.



11-3-10 9-8-6 13-0-0  
34-0-0 Over 2 Supports  
R=1402 U=356  
R=1417 U=341 W=8"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

FL/-/4/-/R/-

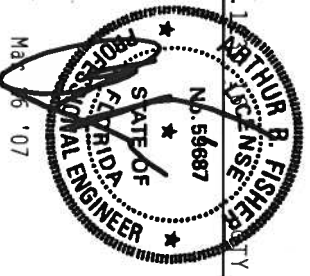
Scale = .1875"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI BUILDING COMPONENT SPECIFICATIONS FOR THE FOLLOWING: 6100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WICA (WOOD 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 BCG, 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 AWS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/1604 (W/MS/PS) ASTM A563 GRADE 40/60 (W/MS/PS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604 Z.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE CERTIFICATE OF AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AWS/TPI 1 SEC. 2.

ITW Building Components Group, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 557



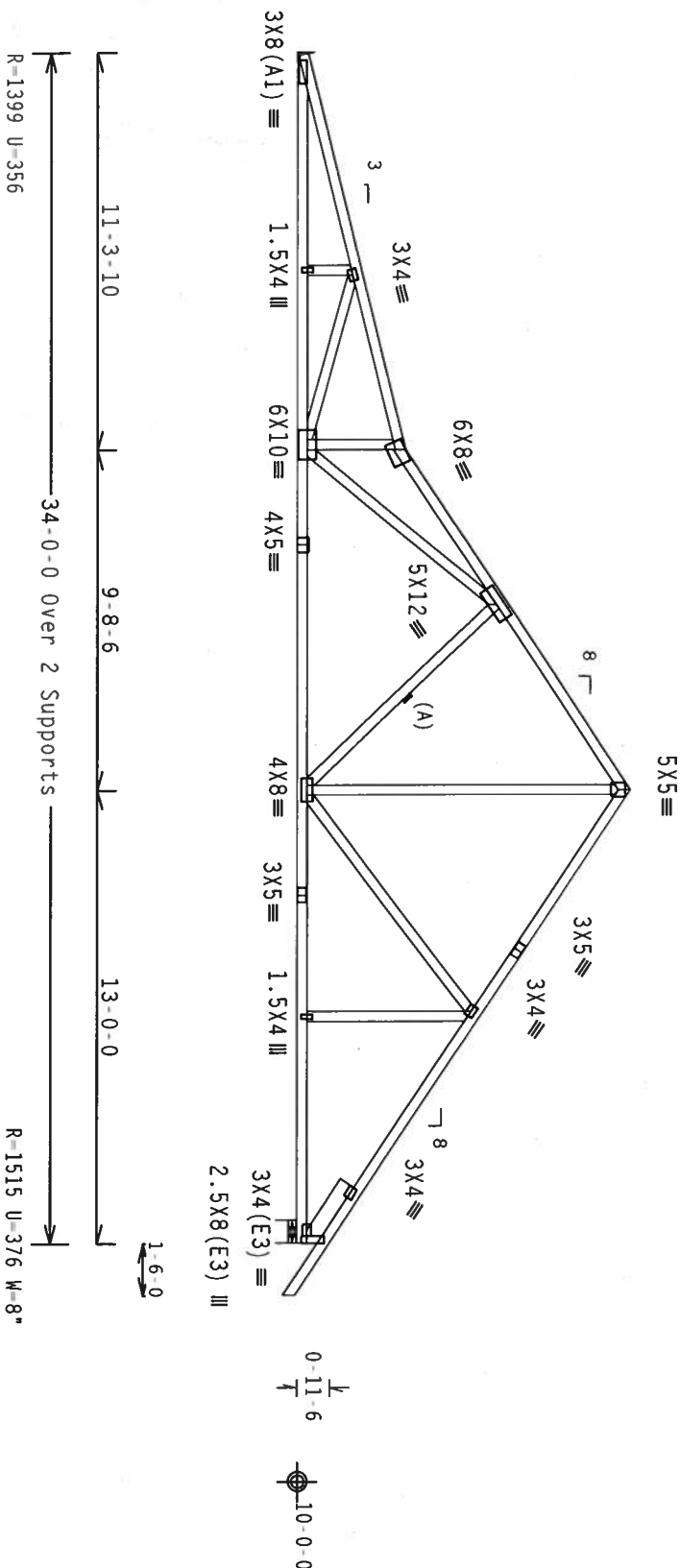
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TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCSR8228 07085035
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT. LD.	40.0 PSF	SEQN-	173032
DUR. FAC.	1.25		
SPACING	24.0"	JREF -	1T5Z8228Z02



Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

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 C, Wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$  GCP(+/-)=0.18



Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/10(0)$$

QTY:1 FL/-/4/-/-/R/-/

Scale = .1875"/ft.

**WARNING:** FRAMES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IP1 (TRUSS PLATE INSTITUTE), 218 MONTGOMERY LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 65000 KENNETH LEE STREET, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO REERING THESE DEVICES. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

**\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT**

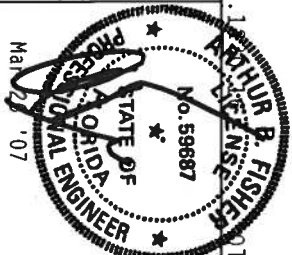
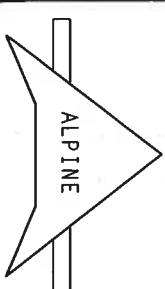
**TRP: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES**

CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H/SS/K) ASIM 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-2

ANY INSPECTION OF DETAILS FOLLOWED BY (7) SHALL BE PERFORMED AS OF 11/14/2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

**ITW Building Components Group, Inc.**  
Haines City, FL 33844  
FL State of Florida

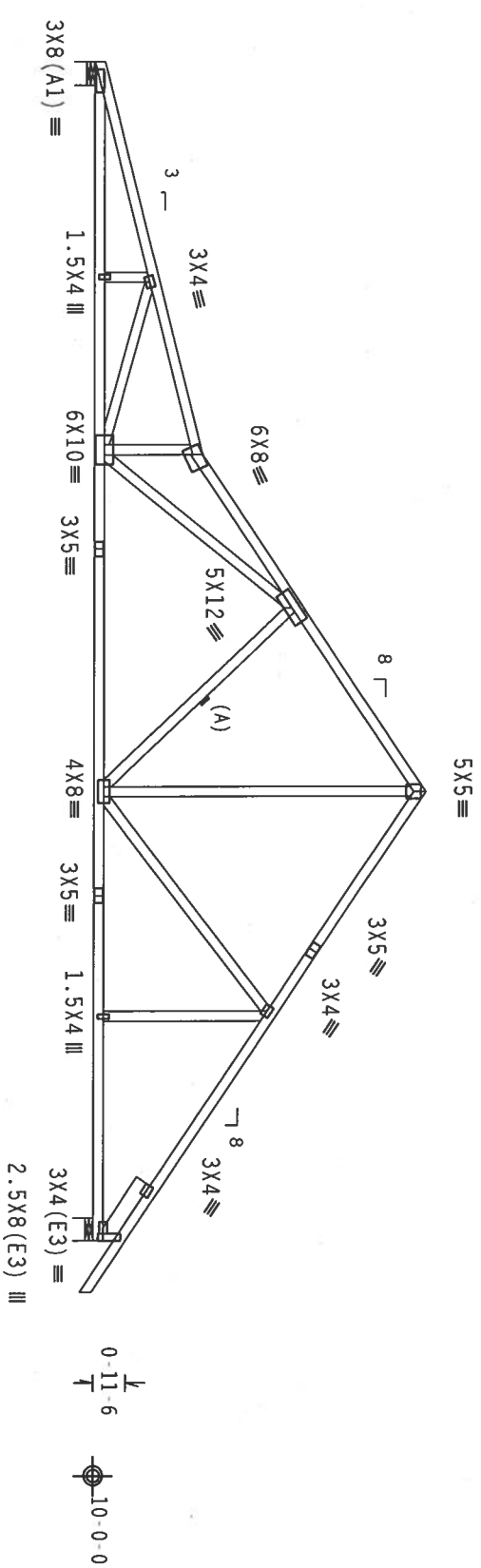


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TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085036
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN -	173040
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T5Z8228Z02

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
Rt Slider 2x6 SP #2: BLOCK LENGTH = 2.078'

(A) Continuous lateral bracing equally spaced on member.

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$  GCPI(+/-)=0.18  
Wind reactions based on MMFRS pressures.  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



11-3-10  
9-8-6  
13-0-0  
1-6-0  
34-0-0 over 2 Supports  
R=1400 U-356 W-8  
R=1514 U-375 W-8

PLT TYP. Wave

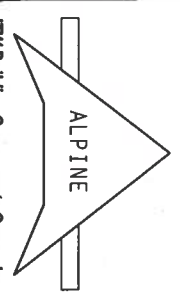
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

QTY:1 FL/-/4/-/-R/-

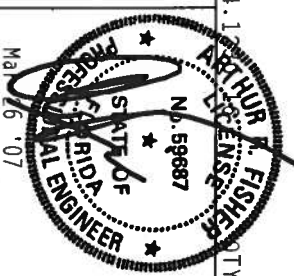
Scale = .1875"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE NATIONAL ASSOCIATION OF BUILDING OFFICIALS, 1300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WFLA CORD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI, 48071 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 BCG, 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 A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY NAPA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/1664 (W/H/S/S) ASTM A653 GRADE 40/60 (W, K/H, S/S) 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 AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

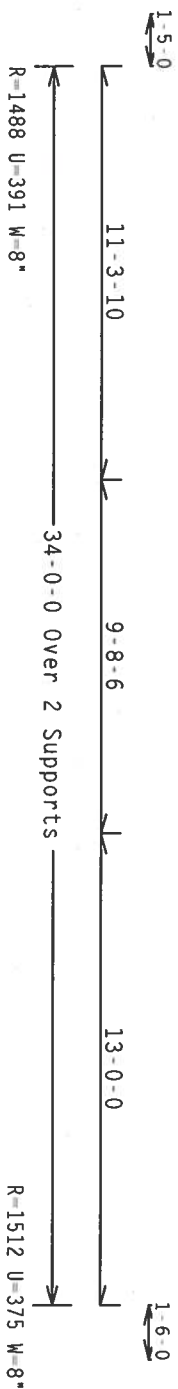


TC LL	20.0 PSF	REF R8228-64684
TC DL	10.0 PSF	DATE 03/26/07
BC DL	10.0 PSF	DRW HCUR8228 07085037
BC LL	0.0 PSF	HC-ENG CR/AF
TOT. LD.	40.0 PSF	SEON- 173047
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1T5Z8228Z02

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf Iw=1.00 GCp1(+/-)=-0.18


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.



Scale = .1875"/Ft.

**\*\*IMPORTANT\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT



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

\*IMPORTANT \* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THIS TIP: ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AREA) AND TPI.

FOR EACH TYPE OF TRUSS (TYPICAL), THE FOLLOWING MATERIALS ARE REQUIRED:

1. STEEL: APPROXIMATELY 60% OF THE TOTAL WEIGHT OF THE TRUSS SHALL BE COMPOSED OF STEEL.

2. WOOD: APPROXIMATELY 40% OF THE TOTAL WEIGHT OF THE TRUSS SHALL BE COMPOSED OF WOOD.

3. JOINTS: APPROXIMATELY 10% OF THE TOTAL WEIGHT OF THE TRUSS SHALL BE COMPOSED OF JOINTS.

4. FINISHES: APPROXIMATELY 5% OF THE TOTAL WEIGHT OF THE TRUSS SHALL BE COMPOSED OF FINISHES.

5. PAINTS TO EACH FACE OF TRUSSES (COLOR IS NOT SPECIFIED). APPROXIMATELY 1% OF THE TOTAL WEIGHT OF THE TRUSS SHALL BE COMPOSED OF PAINTS TO EACH FACE OF TRUSSES (COLOR IS NOT SPECIFIED).

AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AT ALL TPI-2002 SEC.3.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SIGNED FOR THE TRUSS COMPONENTS OF THE 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.

Mar 26 '07

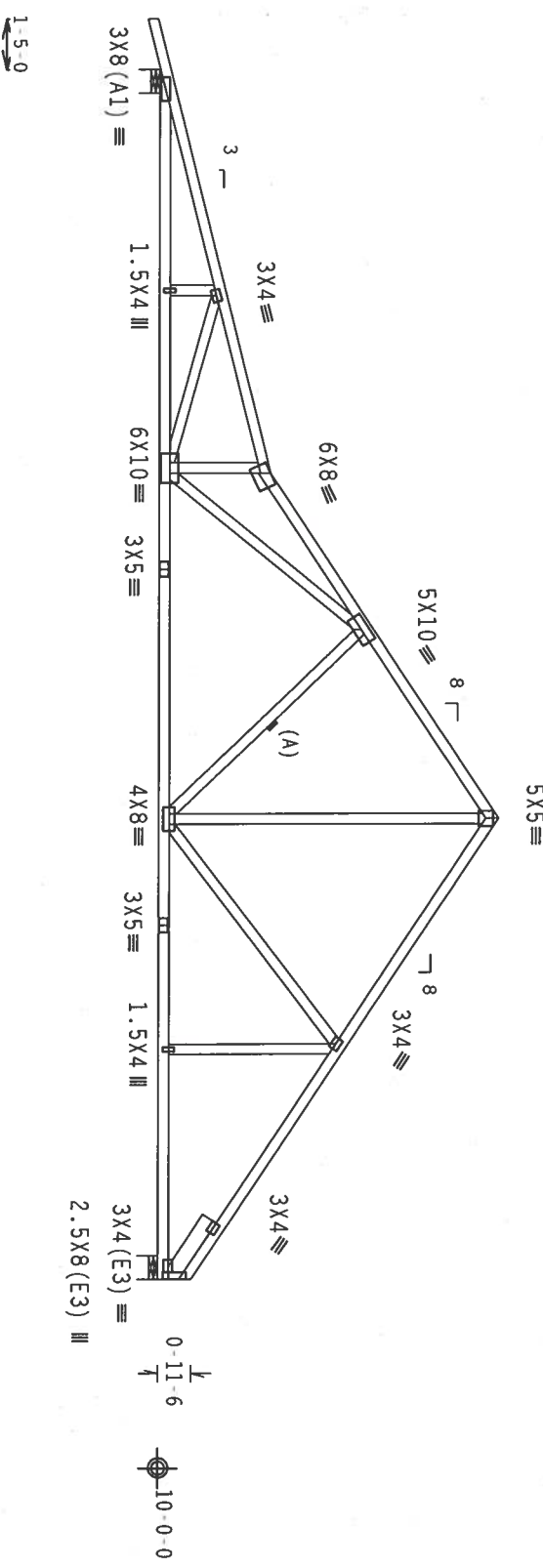
Mar 26 '07

TC LL	20.0 PSF	REF	R8228- 64685
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07065038
BC LL	0.0 PSF	HC-ENG CR/AF	*
TOT.LD.	40.0 PSF	SEQN-	173053
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
:Rt Slider 2x6 SP #2: BLOCK LENGTH = 2.078'

(A) Continuous lateral bracing equally spaced on member.

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$   $GCP(+/-)=0.18$   
Wind reactions based on MMFRS pressures.  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



11-3-10 9-8-6 13-0-0  
34-0-0 Over 2 Supports  
R-1490 U-391 W-8"  
R-1414 U-340 W-8"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

QTY: 1 FL/-/4/-/1/-/R/-

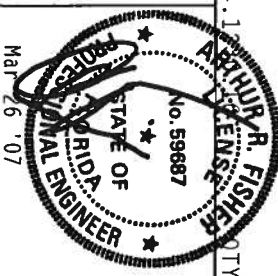
Scale = .1875"/ft.

\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY) INFORMATION, PUBLISHED BY THE NATIONAL 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. TIV BCG, 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 AND BRACING, BY ACPA AND TPI.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ACPA AND TPI. TIV BCG CONNECTOR PLATES ARE MADE OF 2018/1604 (W/H/S/S) ASTM A563 GRADE 40/50 (W, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, Z.

ALL CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TIV Building Components Group, Inc.  
Haines City, FL 33844  
Florida State of Registration # 577

TC LL	20.0 PSF	REF	R8228- 6/686
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085039
BC LL	0.0 PSF	HC-ENG CR/AF	*
TOT. LD.	40.0 PSF	SEQN-	173060
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02



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

Webbs 2x4 SP #3 : W5 2x4 SP #2 Dense:

: Lt Slider 2x6 SP #2: BLOCK LENGTH = 1.500'  
: Rt Slider 2x6 SP #2: BLOCK LENGTH = 1.500'

SPECIAL LOADS

TC	From	64 PLF at -1.25 to 64 PLF at 12.83
TC	From	64 PLF at 12.83 to 64 PLF at 25.67
BC	From	5 PLF at -1.50 to 5 PLF at 0.00
BC	From	20 PLF at 0.00 to 20 PLF at 25.67
BC	From	1440 LB Conc. Load at 5.06
BC	From	896 LB Conc. Load at 7.06, 9.40, 11.40, 13.40
BC	From	1037 LB Conc. Load at 7.40
BC	From	2041 LB Conc. Load at 14.40
BC	From	1429 LB Conc. Load at 16.40, 18.40, 20.40
BC	From	1417 LB Conc. Load at 22.40, 24.40

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun (0.128"x3", min.)\_nails)

Top Chord: 1 Row @12.00" o.c.  
Bot Chord: 2 Rows @5.00" o.c. (Each Row)

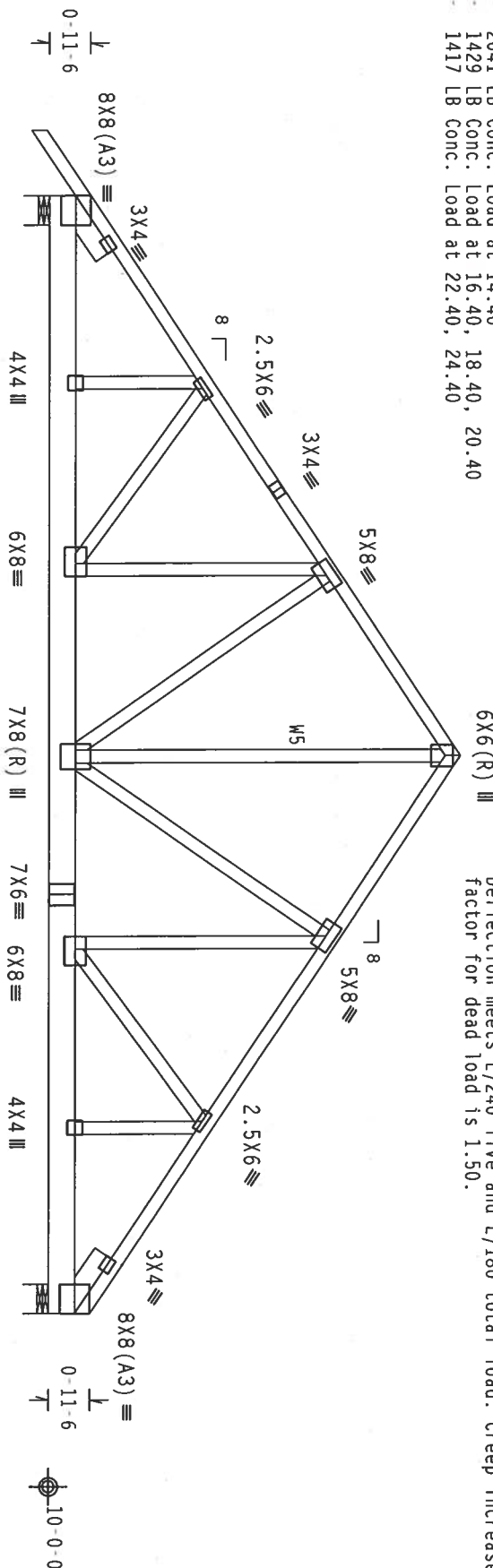
Webbs : 1 Row @ 4" o.c.

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1W=1.00 Gcp1(+/-)=0.18

Wind reactions based on MMFRS pressures.

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



PLT TYP. Wave

Design Cmt: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

7.24.1

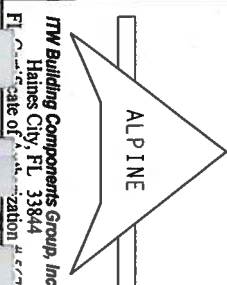
Scale = .25" / Ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (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.

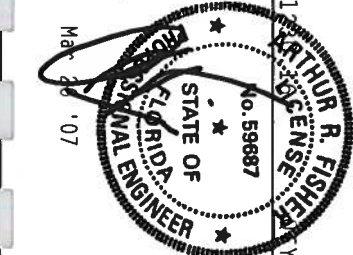
\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. JTW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMPONENTS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. JTW BCG TRUSS PLATES ARE MADE OF 20/18/16GA (W/V/S/S) ASH 4653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

ALL TRUSS PLATES SHALL BE INSTALLED IN ACCORDANCE WITH TPI-2002(STD) OR THE A SEAL ON THIS DRAWING SHALL BE PLACED IN THE MIDDLE OF THE TRUSS. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



FL 0.00 Scale of 1/4" = 1'-0"



TC LL	20.0 PSF	REF	R8228 - 64687
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085085
BC LL	0.0 PSF	HC-ENG CR/AF	
TOT.LD.	40.0 PSF	SEON	173082
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T528228202

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

Wind reactions based on MMFRS pressures.  
End verticals not exposed to wind pressure.

See DWGS A11015FE0207 & GBLLETIN0207 for more requirements.

(A) Continuous lateral bracing equally spaced on member.

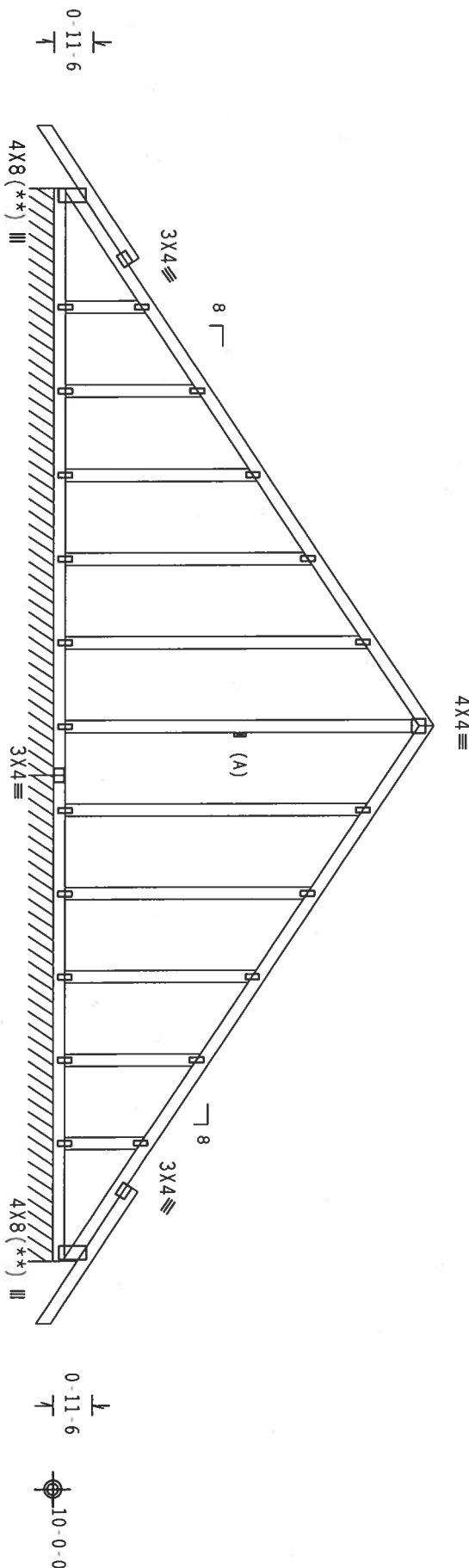
Bracing shown in referenced gable detail may be used  
in lieu of web bracing indicated on this drawing.

(\*\*) 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 C, wind TC DL=5.0 psf, wind BC  
DL=5.0 psf. LW=1.00 GCPI(+/-)=0.18

Truss spaced at 24.0" OC designed to support 1-0-0 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.



R=138 PLF U-22 PLF W-14-0-0

R=142 PLF U=41 PLF W=11-8-0

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

Design Cmt: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

7.24.10 R. FISHER/ST. HUR  
No. 59687  
PROFESSIONAL ENGINEER  
FL. LICENSE

Scale = .25" / 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 WICA (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.

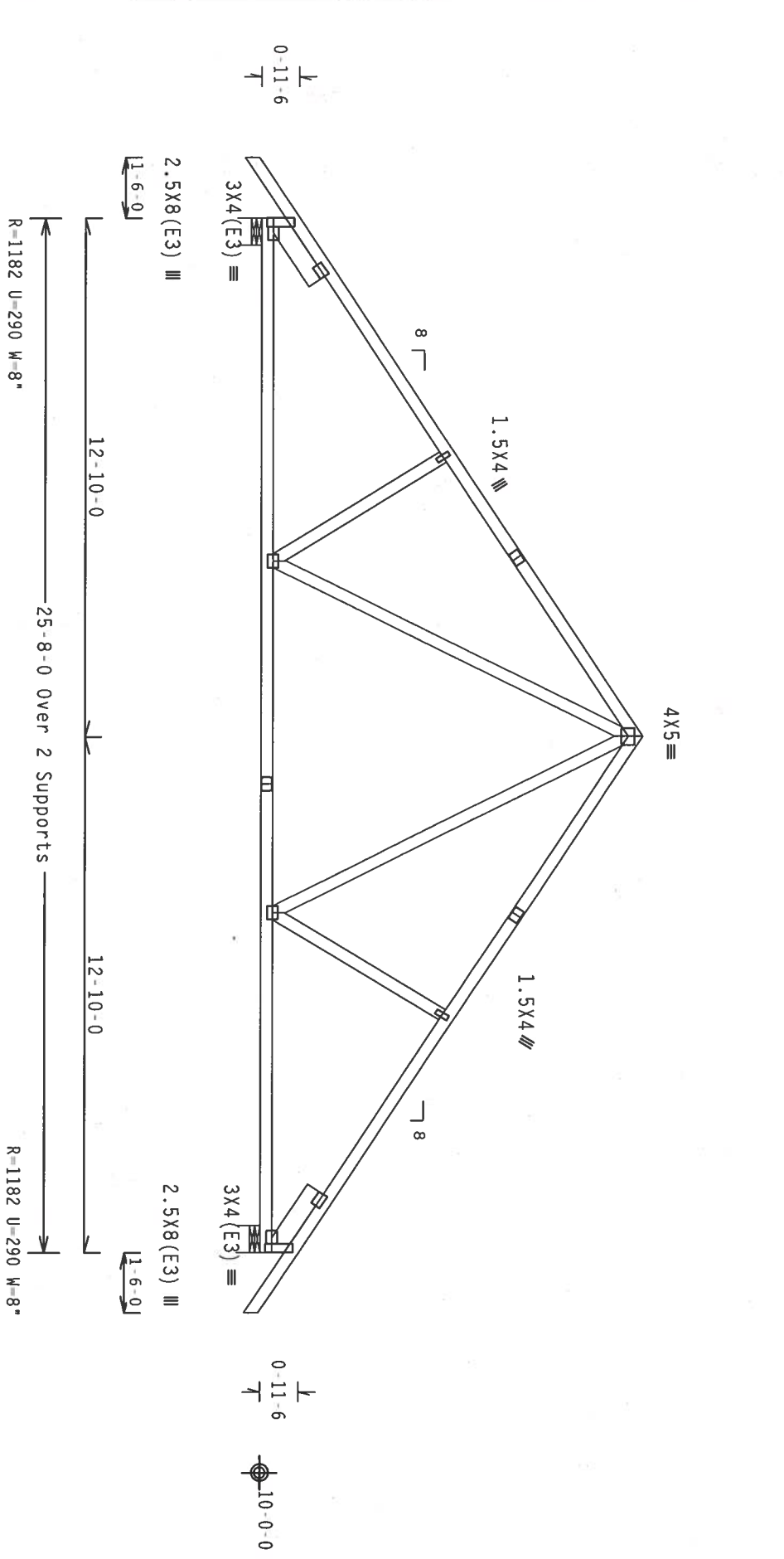
\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, BY AFRAP AND TPI. THE BCG DESIGN COMPONENTS ARE MADE OF 20/10/100A (W/35/35) ASTM A653 GRADE 40/60 (K, K/H/SS) GALV. STEEL. APPLY CONNECTION PLATES ARE MADE OF 20/10/100A (W/35/35) ASTM A653 GRADE 40/60 (K, K/H/SS) GALV. STEEL. APPLY ANY INSPECTION OF TRUSSES FOR CORROSION SHALL BE DONE BY THE TRUSS FABRICATOR. THE TRUSS FABRICATOR SHALL BE RESPONSIBLE FOR THE TRUSS FABRICATOR'S DESIGN, THE STABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 557

TC LL	20.0 PSF	REF	R8228- 64688
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085040
BC LL	0.0 PSF	HC-ENG CR/AF	
TOT.LD.	40.0 PSF	SEQN-	172754
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
:lt Slider 2x6 SP #2: BLOCK LENGTH = 1.910'  
:Rt Slider 2x6 SP #2: BLOCK LENGTH = 1.910'  
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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCPI(+/-)=0.18  
Wind reactions based on MWFRS pressures.



Note: All Plates Are 3X4 Except As Shown.  
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24



Scale = .25"/ft.

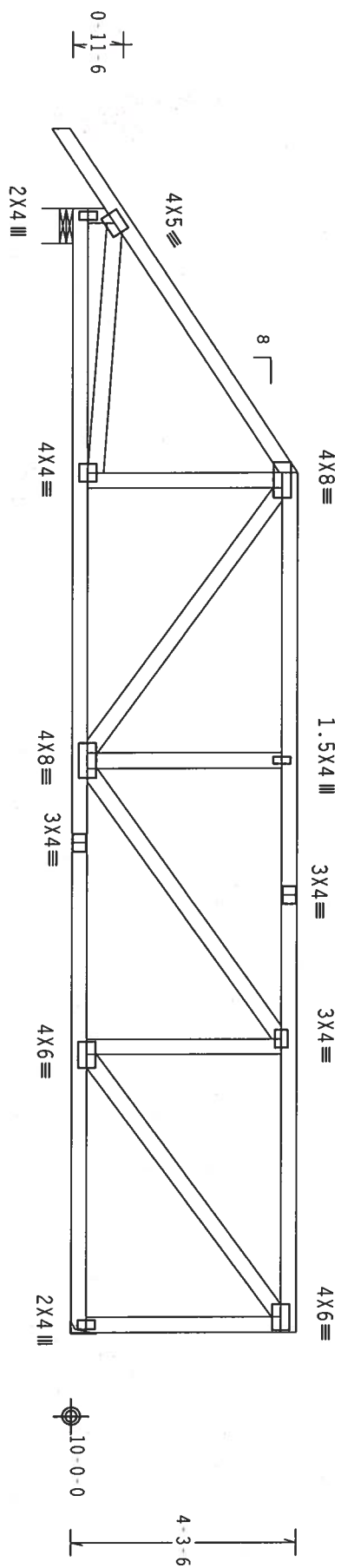
PLT TYP. Wave		Scale = .25"/ft.	
 ALPINE TIV Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 5547	TC LL	20.0 PSF	REF R8228-64689
	TC DL	10.0 PSF	DATE 03/26/07
	BC DL	10.0 PSF	DRW HCUR8228 07085041
	BC LL	0.0 PSF	HC-ENG CR/AF
	TOT. LD.	40.0 PSF	SEQN- 172764
DUR. FAC. 1.25		JREF- 1T5Z8228Z02	
SPACING 24.0"			

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

Wind reactions based on MMFRS pressures.  
#1 hip supports 5-0-0 jacks with no webs.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$   $G_{CPI}(+/-)=-0.18$

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.



1-6-0  
5-0-0  
21-4-0 Over 2 Supports  
R=1476 U=361 W=8"  
16-4-0  
R=1440 U=326

PLT TYP. Wave

Design Crt: TP1-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

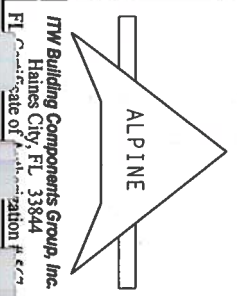


FL/-/4/-/-/R/-

Scale = .3125"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSTI TRUSSING COMPANY'S TRUSSING MANUAL AND TRUSSING MANUAL FOR THE AMERICAN TRUSS COUNCIL OF AMERICA, NORTH LEE STREET, SUITE 212, ALEXANDRIA, VA, 22304, AND WICK HODD 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 BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OF TRUSS IN CONFORMANCE WITH TP1, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TP1. ITW BCG CONNECTION PLATES ARE MADE OF 2018/1604 (W/H/SS/A) ASTM A563 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 1604.2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TP11-2002 SEC.3. THE SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



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

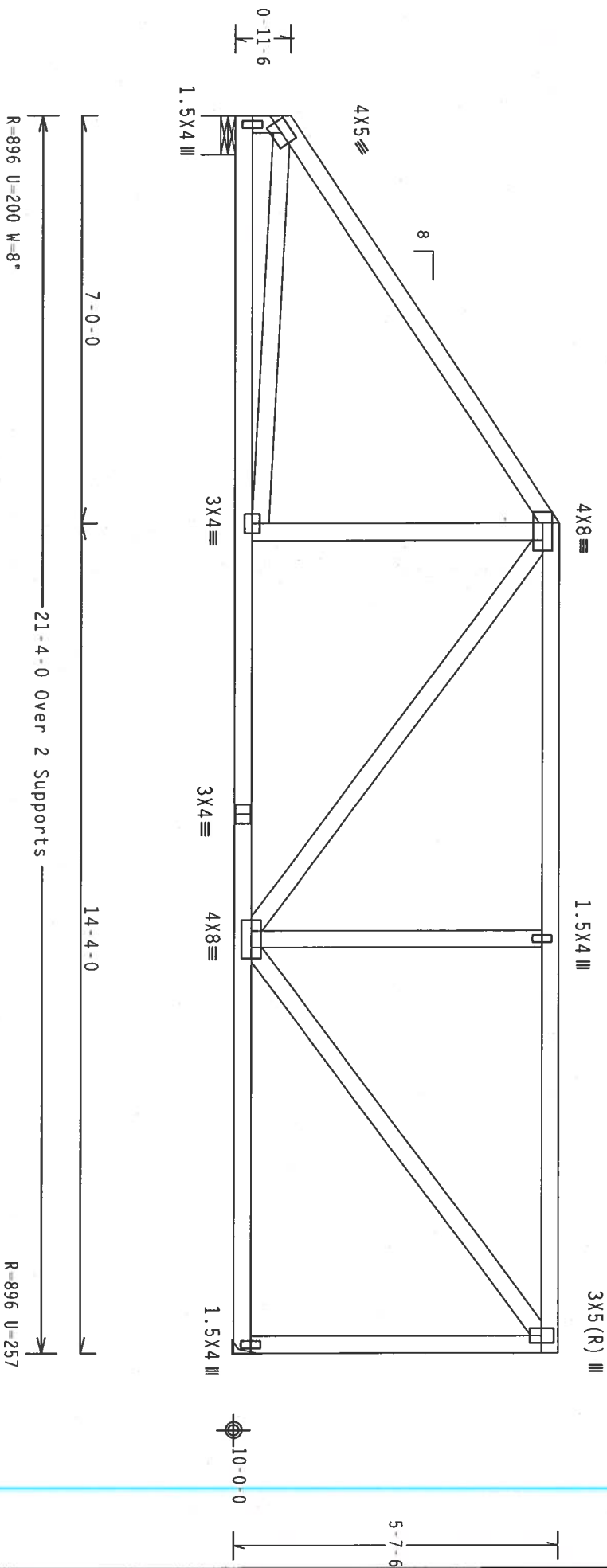
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TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCSR8228 07085042
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT. LD.	40.0 PSF	SEQN-	172709
DUR. FAC.	1.25		
SPACING	24.0"	JREF	1T5Z8228Z02



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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf Iw=1.00 Gcpi(+/-)-0.18

Right end vertical not exposed to wind pressure.

Right end vertical not exposed to wind pressure.



Scale = .375"/Ft.

\*WARNING\*\* TRUSSES BEING EXPOSED CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IP1 (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI, 48319) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

\*\*\*IMPORTANT\*\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT

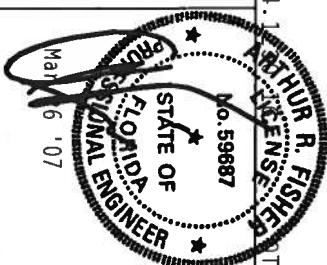
TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (M.M/SS/K) ASTM A653 GRADE 40/60 (M. K/H.SS) GALV. STEEL. APPLY

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

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



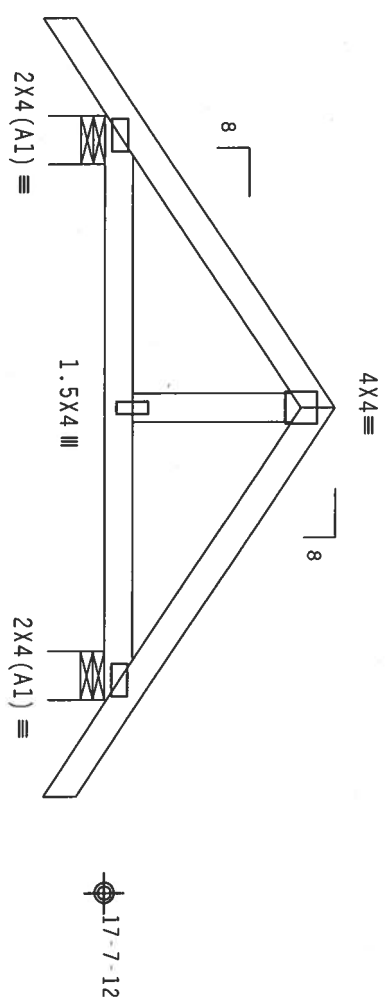
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TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085043
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN-	172716
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T528228202

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

Wind reactions based on MWFRS pressures.

110 mph wind, 18.68 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf,  $I_w=1.00$  GCPI(+/-)=0.18

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



3-0-0 3-0-0 6-0-0 Over 2 Supports  
R=321 U=180 W=6"

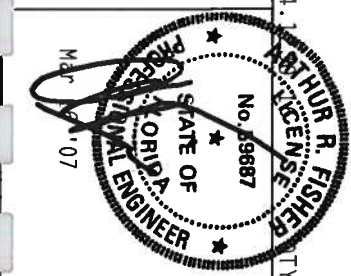
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS COMPANY, 5300 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 BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OF THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG CONNECTOR PLATES ARE MADE OF 2019/16GA (W/H/55/K) ASTM A653 GRADE 40/60 (W, K/H/55) 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 TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT DESIGNER. THE SEAL 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 Registration # 547



TC LL	20.0 PSF	REF	R8228-64692
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085044
BC LL	0.0 PSF	HC-ENG CR/AF	*
TOT. LD.	40.0 PSF	SEON	172794
DUR. FAC.	1.25		
SPACING	24.0"		
JREF	1T5Z8228Z02		



Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

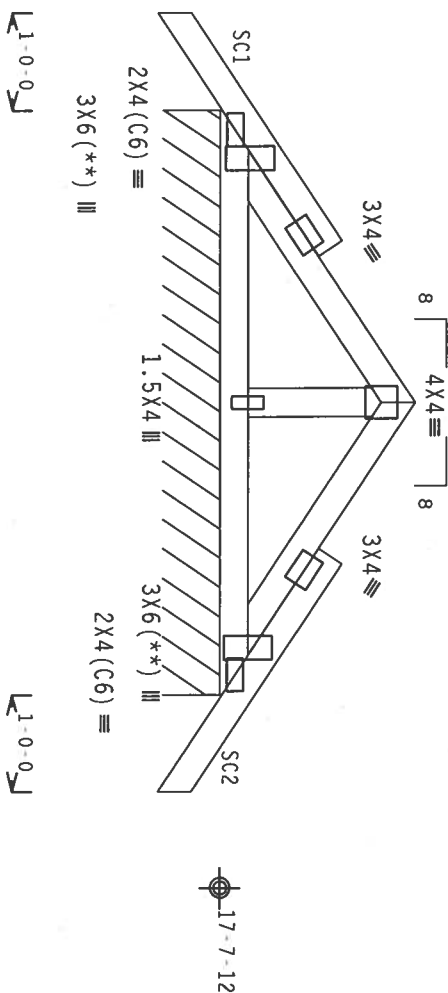
See DWGS A11030EE0207 & GBULLETIN0207 for more requirements.

110 mph wind, 18.81 ft mean hgt., ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$   $G_{CPI}(+/-)=0.18$

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

In lieu of structural panels use purlins to brace TC @ 24" OC.

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



6-0-0 Over Continuous Support →

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$ 

PROPERTY: 1

TY:1 FL/-/4/-/-/R/-

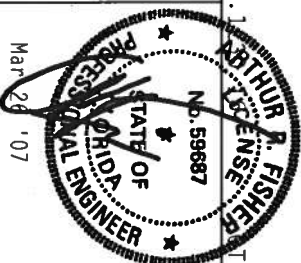
Scale = .5" / Ft.

\*WARNING: FRAMES, ROLING, EXTREM, CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO GC-1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IP1 (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LAKE, MIDLAND, TX, 79706) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNDESSED OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

**ITW Building Components Group, Inc.**  
 11111 E. 15th St.  
 Tulsa, OK 74116-1111  
 Tel: 918/438-1111  
 Fax: 918/438-1111

Haines City, FL 33844  
FL Certificate of Authorization # 6677

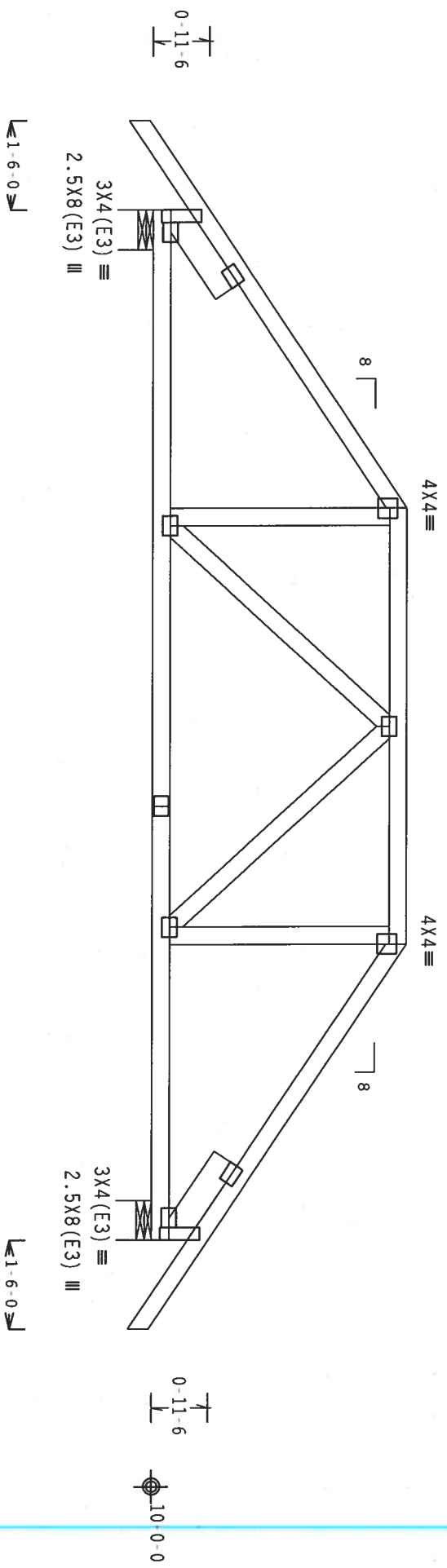


TC LL	20.0 PSF	REF	R8228- 64694
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085046
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN-	172812
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T528228202



Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
:Lt Slider 2x6 SP #2: BLOCK LENGTH = 1.671'  
:Rt Slider 2x6 SP #2: BLOCK LENGTH = 1.671'  
#1 hip supports 5-0-0 jacks with no webs.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCP(+/-)=0.18  
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.



Note: All Plates Are 3x4 Except As Shown.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

TY:1 FL/-/4/-/-/R/-

Scale = .375"/Ft.

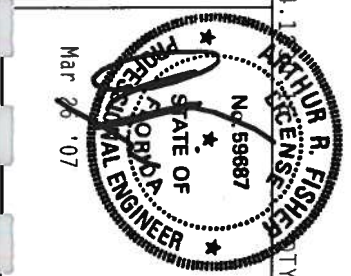
\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE TRUSS ASSOCIATION OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. 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 BCG, 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 COMPLIANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2010/16GA (W/H/S/S) ASTM A653 GRADE 40/60 (W, K/H, S/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AS OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHALL BE OBTAINED BY A PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY 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.

ITW Building Components Group, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 547



TC LL	20.0 PSF	REF	R8228 - 64695
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCSR8228 07065047
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT. LD.	40.0 PSF	SEQN-	172844
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf(+)-0.18

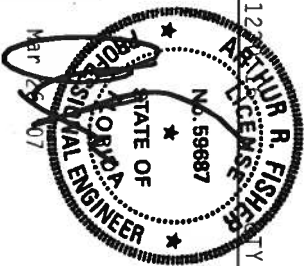

$$Cq/RT=1.00(1.25)/10(0)$$

Scale = .375"/Ft.

**\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. JTM BCG, INC. SHALL NOT**

ALPINE

FLORIDA STATE OF



TC LL	20.0 PSF	REF	R8228- 64696
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 0705048
BC LL	0.0 PSF	HC-ENG CR/AF	*
TOT.LD.	40.0 PSF	SEQN-	172849
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T528228202

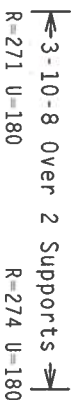
110 mph wind, 15.00 ft mean hgt., ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpl(+/-)=0.18

Truss must be installed as shown with top chord up.

	(LUMBER DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25)
TC From 60 PLF at 0.00 to 60 PLF at 3.88	
BC From 20 PLF at 0.00 to 20 PLF at 3.88	
BC 235 LB Conc. Load at 1.94	

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

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)

 $Cq/RT=1.00(1.25)/10(0) \quad 7.24.$ 

FL/-/4/-/-/R/-

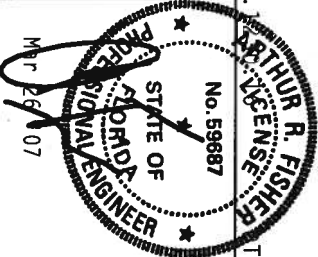
Scale = .5" / Ft.

\*"WARNING" FRAMES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO GC-1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IP1 (FROSS PRACTICE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD PRESERVATION COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MOUNTAIN, NJ, 07036) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

**ITW Building Components Group, Inc.**  
Haines City, FL 33844  
FL Certificate of Authorization # 6677

\* IMPORTANT \* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IPTI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P) AND IPTI. ITW BCG HAS BEEN ADVISED THAT PER 601B/160C/17A/180C/19A/20A/21A/22A/23A/24A/25A/26A/27A/28A/29A/30A/31A/32A/33A/34A/35A/36A/37A/38A/39A/40A/41A/42A/43A/44A/45A/46A/47A/48A/49A/50A/51A/52A/53A/54A/55A/56A/57A/58A/59A/60A/61A/62A/63A/64A/65A/66A/67A/68A/69A/70A/71A/72A/73A/74A/75A/76A/77A/78A/79A/80A/81A/82A/83A/84A/85A/86A/87A/88A/89A/90A/91A/92A/93A/94A/95A/96A/97A/98A/99A/100A/101A/102A/103A/104A/105A/106A/107A/108A/109A/110A/111A/112A/113A/114A/115A/116A/117A/118A/119A/120A/121A/122A/123A/124A/125A/126A/127A/128A/129A/130A/131A/132A/133A/134A/135A/136A/137A/138A/139A/140A/141A/142A/143A/144A/145A/146A/147A/148A/149A/150A/151A/152A/153A/154A/155A/156A/157A/158A/159A/160A/161A/162A/163A/164A/165A/166A/167A/168A/169A/170A/171A/172A/173A/174A/175A/176A/177A/178A/179A/180A/181A/182A/183A/184A/185A/186A/187A/188A/189A/190A/191A/192A/193A/194A/195A/196A/197A/198A/199A/200A/201A/202A/203A/204A/205A/206A/207A/208A/209A/210A/211A/212A/213A/214A/215A/216A/217A/218A/219A/220A/221A/222A/223A/224A/225A/226A/227A/228A/229A/230A/231A/232A/233A/234A/235A/236A/237A/238A/239A/240A/241A/242A/243A/244A/245A/246A/247A/248A/249A/250A/251A/252A/253A/254A/255A/256A/257A/258A/259A/260A/261A/262A/263A/264A/265A/266A/267A/268A/269A/270A/271A/272A/273A/274A/275A/276A/277A/278A/279A/280A/281A/282A/283A/284A/285A/286A/287A/288A/289A/290A/291A/292A/293A/294A/295A/296A/297A/298A/299A/300A/301A/302A/303A/304A/305A/306A/307A/308A/309A/310A/311A/312A/313A/314A/315A/316A/317A/318A/319A/320A/321A/322A/323A/324A/325A/326A/327A/328A/329A/330A/331A/332A/333A/334A/335A/336A/337A/338A/339A/340A/341A/342A/343A/344A/345A/346A/347A/348A/349A/350A/351A/352A/353A/354A/355A/356A/357A/358A/359A/360A/361A/362A/363A/364A/365A/366A/367A/368A/369A/370A/371A/372A/373A/374A/375A/376A/377A/378A/379A/380A/381A/382A/383A/384A/385A/386A/387A/388A/389A/390A/391A/392A/393A/394A/395A/396A/397A/398A/399A/400A/401A/402A/403A/404A/405A/406A/407A/408A/409A/410A/411A/412A/413A/414A/415A/416A/417A/418A/419A/420A/421A/422A/423A/424A/425A/426A/427A/428A/429A/430A/431A/432A/433A/434A/435A/436A/437A/438A/439A/440A/441A/442A/443A/444A/445A/446A/447A/448A/449A/450A/451A/452A/453A/454A/455A/456A/457A/458A/459A/460A/461A/462A/463A/464A/465A/466A/467A/468A/469A/470A/471A/472A/473A/474A/475A/476A/477A/478A/479A/480A/481A/482A/483A/484A/485A/486A/487A/488A/489A/490A/491A/492A/493A/494A/495A/496A/497A/498A/499A/500A/501A/502A/503A/504A/505A/506A/507A/508A/509A/510A/511A/512A/513A/514A/515A/516A/517A/518A/519A/520A/521A/522A/523A/524A/525A/526A/527A/528A/529A/530A/531A/532A/533A/534A/535A/536A/537A/538A/539A/540A/541A/542A/543A/544A/545A/546A/547A/548A/549A/550A/551A/552A/553A/554A/555A/556A/557A/558A/559A/560A/561A/562A/563A/564A/565A/566A/567A/568A/569A/570A/571A/572A/573A/574A/575A/576A/577A/578A/579A/580A/581A/582A/583A/584A/585A/586A/587A/588A/589A/590A/591A/592A/593A/594A/595A/596A/597A/598A/599A/600A/601A/602A/603A/604A/605A/606A/607A/608A/609A/610A/611A/612A/613A/614A/615A/616A/617A/618A/619A/620A/621A/622A/623A/624A/625A/626A/627A/628A/629A/630A/631A/632A/633A/634A/635A/636A/637A/638A/639A/640A/641A/642A/643A/644A/645A/646A/647A/648A/649A/650A/651A/652A/653A/654A/655A/656A/657A/658A/659A/660A/661A/662A/663A/664A/665A/666A/667A/668A/669A/670A/671A/672A/673A/674A/675A/676A/677A/678A/679A/680A/681A/682A/683A/684A/685A/686A/687A/688A/689A/690A/691A/692A/693A/694A/695A/696A/697A/698A/699A/700A/701A/702A/703A/704A/705A/706A/707A/708A/709A/710A/711A/712A/713A/714A/715A/716A/717A/718A/719A/720A/721A/722A/723A/724A/725A/726A/727A/728A/729A/730A/731A/732A/733A/734A/735A/736A/737A/738A/739A/740A/741A/742A/743A/744A/745A/746A/747A/748A/749A/750A/751A/752A/753A/754A/755A/756A/757A/758A/759A/760A/761A/762A/763A/764A/765A/766A/767A/768A/769A/770A/771A/772A/773A/774A/775A/776A/777A/778A/779A/780A/781A/782A/783A/784A/785A/786A/787A/788A/789A/790A/791A/792A/793A/794A/795A/796A/797A/798A/799A/800A/801A/802A/803A/804A/805A/806A/807A/808A/809A/810A/811A/812A/813A/814A/815A/816A/817A/818A/819A/820A/821A/822A/823A/824A/825A/826A



FL / 4 / - / R / -		Scale = .5" / Ft.	
TC LL	20.0 PSF	REF	R8228 - 64697
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085049
BC LL	0.0 PSF	HC-ENG	CR / AF
TOT. LD.	40.0 PSF	SEQN -	174034
DUR. FAC.	1.25		
SPACING	24.0"	JREF -	1T5Z8228Z02

Top chord 2x4 SP #2 Dense  
Bot chord 2x6 SP #1 Dense  
Webs 2x4 SP #3

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
TC - From 60 PLF at 0.00 to 60 PLF at 5.75  
BC - From 20 PLF at 0.00 to 20 PLF at 5.75  
BC - 1151 LB Conc. Load at 1.94  
BC - 1395 LB Conc. Load at 3.94

Truss must be installed as shown with top chord up.

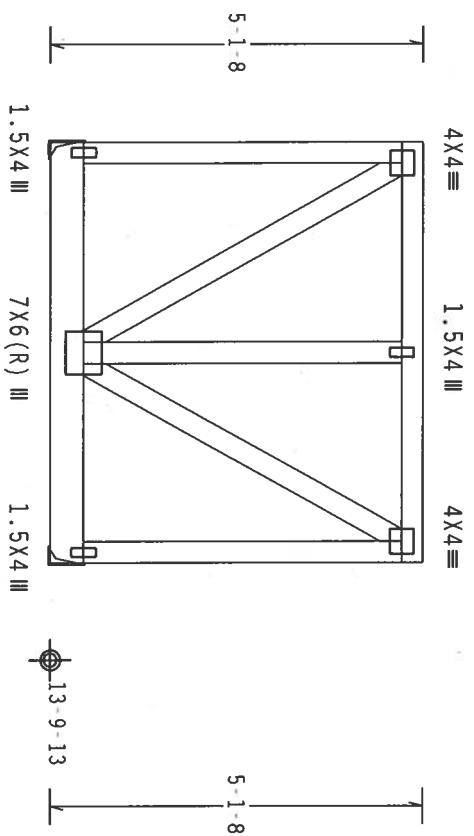
110 mph wind, 18.95 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$   $G C P_i(+/-)=-0.18$

Wind reactions based on MWFRS pressures.

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.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



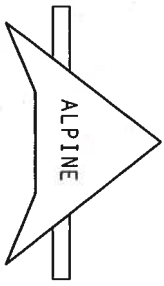
5-9-0 Over 2 Supports  
R=1433 U=510 R=1573 U=560

PLT TYP. Wave

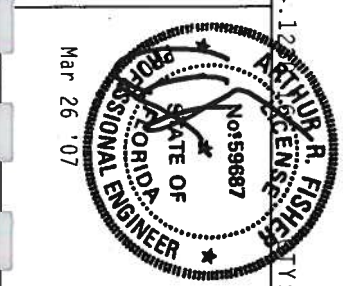
Design Crit: TP1-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RECTOR'S TRUSSES COMPANY, INC. 2201 N. W. 13TH AVE. SUITE 100, MIAMI, FL 33136. (305) 551-1111. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314. AND WICHAMOND TRUSS COMPANY OF AMERICA, 2300 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 BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1, OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY NDS) AND TP1. ITW BCG CONNECTOR PLATES ARE MADE OF 2010/1604 (40/1604) ASTM A573 GRADE 40/60 (4, 4/16/55) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TP11-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN AND CONSTRUCTION. USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 SEC. 2.



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



TC LL	20.0 PSF	REF	R8228- 64698
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCU5R8228 07065080
BC LL	0.0 PSF	HC-ENG CR/AF	
TOT. LD.	40.0 PSF	SEQN-	173784
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02

Scale = .375"/ft.



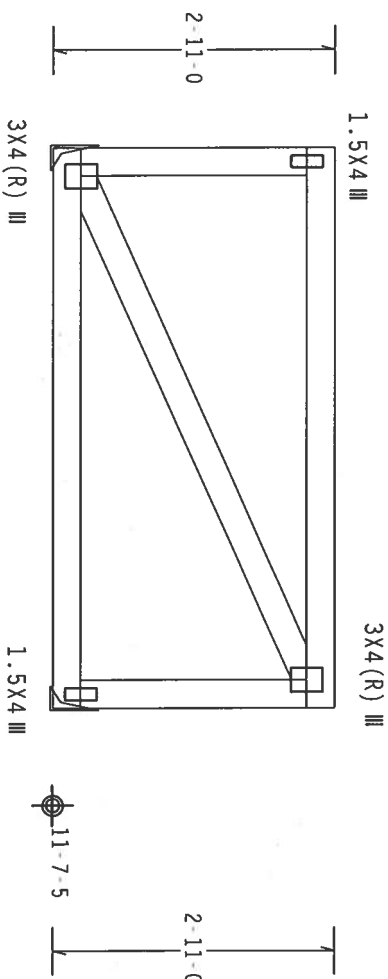
110 mph wind, 15.00 ft mean hgt., ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.18

Truss must be installed as shown with top chord up.

	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 5.75	
BC - From 20 PLF at 0.00 to 20 PLF at 5.75	
BC - 235 LB Conc. Load at 1.94, 3.94	

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

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



Design Crit: TPI-2002(STD)/FBC

$$C_q/RT=1.00(1.25)/10(0)$$

7.24.13861.0

FL/14/11R/

Scale = .5" / Ft.

\*\*\*\*\*WARNING\*\*\*\*\* FRUIT BUILDING EXTERIOR CARE IN FABRICATION, HANDING, SHIPPING, INSTALLING AND BRACING REFER TO GC51 (BUILDING COMPONENT SPECIFICATION), PUBLISHED BY IP1 (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR TRUSS PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

\* \* \* IMPORTANT \* \* \* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT

TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

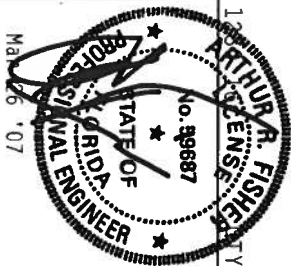
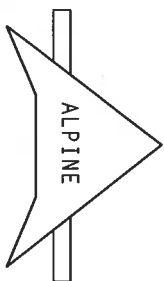
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. ITM BCG

CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H/SS/K) ASTM A653 GRADE 40/60 (W. K/H.SS) GALV. STEEL. APPLY

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS

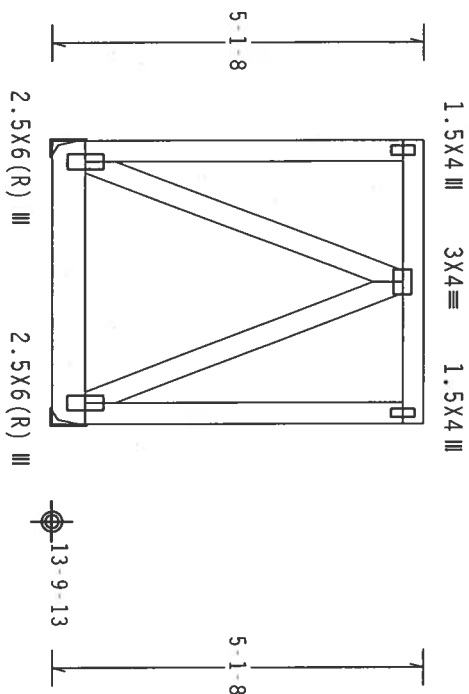
DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND NOT THAT OF THE MANUFACTURER.

**ITW Building Components Group, Inc.**  
Haines City, FL 33844  
FL Certificate of Authorization # 677



TC LL	20.0 PSF	REF	R8228- 64699
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085050
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN-	17366
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02

Truss must be installed as shown with top chord up.



13-10-8 Over 2 Supports  
R=472 U=180 R=472 U=180

Design Critt: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)

**WARNING**—FRUES BUILDING EXTERIOR CASE INFORMATION, HANDLING, SHIPPING, INSTALLING AND DRIVING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD PRES. COUNCIL OF AMERICA, 65000 MIDWAY ENTERPRISE LANE, MADISON, WI, 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\***FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT

TYPE: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS

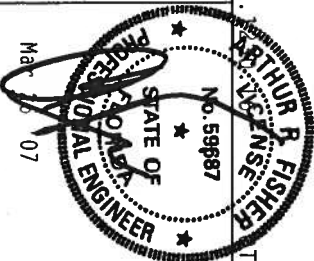
DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND USER. SEE 9.

**ITW Building Components Group, Inc.**  
Haines City, FL 33844  
FL Certificate of Registration # 577

Wind reactions based on MMFRS pressures.

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

The TC of this truss shall be braced with attached spans at 24 OC in lieu of structural sheathing.

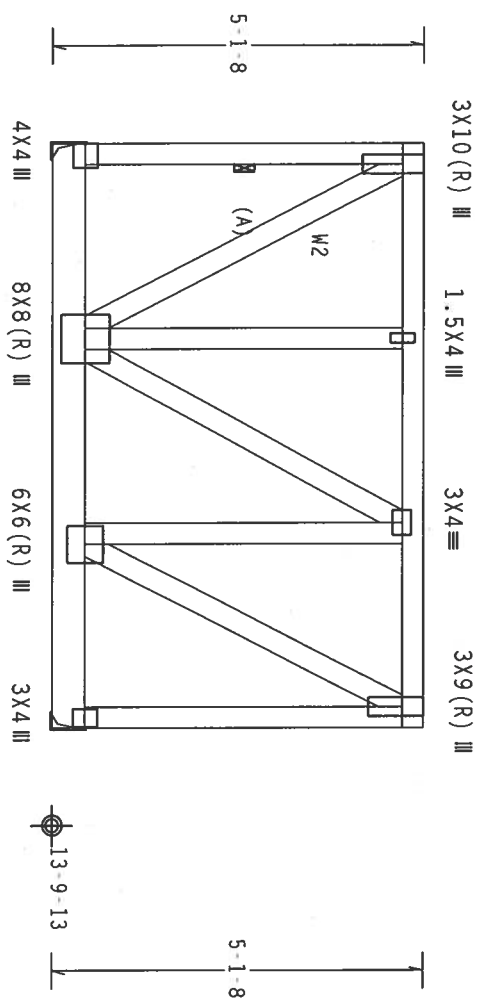


FL/-4/-/-/R/-	Scale = .375"/Ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"
JREF - 1T5Z8228202	REF R8228 - 64700
	DATE 03/26/07
	DRW HCUR8228 07085051
	HC-ENG CR/AF
	SEQN - 174030

Top chord 2x4 SP #2 Dense  
Bot chord 2x6 SP #1 Dense  
Webs 2x4 SP #3 :W2 2x4 SP #2 Dense:

SPECIAL LOADS  
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
TC From 60 PLF at 0.00 to 60 PLF at 8.00  
BC From 20 PLF at 0.00 to 20 PLF at 8.00  
BC 1152 LB Conc. Load at 1.94, 5.94  
BC 1270 LB Conc. Load at 2.60  
BC 1417 LB Conc. Load at 3.94

This truss is not reversible. Per ANSI/TPI 1-2002,  
Section 2.4.3 Truss Manufacturer is responsible to  
provide information for proper orientation of trusses.  
This information shall be provided to the contractor.



110 mph wind, 18.95 ft mean hgt, ASCE 7-02, CLOSED bldg, not  
located within 4.50 ft from roof edge, CAT II, EXP C, wind TC  
DL=5.0 psf, wind BC DL=5.0 psf. 1w-1.00 GCPI(+/-)=0.18  
Wind reactions based on MMFRS pressures.  
End verticals not exposed to wind pressure.  
(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.  
Truss must be installed as shown with top chord up.  
The TC of this truss shall be braced with attached spans at 24"  
OC in lieu of structural sheathing.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

7.24.

FL/-/4/-/-/R/-

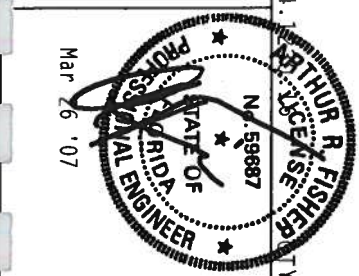
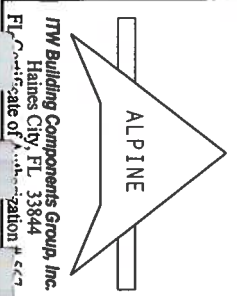
Scale = .375"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.  
REFLECT TO THE TRUSS MANUFACTURER'S INSTRUCTIONS. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS BEING  
NORTH-LE STREET SUITE 312, ALEXANDRIA, VA 22304 AND VICTOR TRUSS COMPANY OF AMERICA, UNLESS  
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 BCG, INC. SHALL NOT  
BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH  
TPI-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTION PLATES ARE MADE OF 2018/16GA (W/H/SS) 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 ANNEK AS OF TPI-1-2002 SEC.3. A SEAL ON THIS  
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT  
DESIGN AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228-64701
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCSR8228 07085082
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN-	174066
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02

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

Weds 2x4 SP #3 : W5 2x4 SP #2 Dense:  
: Lt Slider 2x6 SP #2: BLOCK LENGTH = 1.500'  
: Rt Slider 2x6 SP #2: BLOCK LENGTH = 1.500'

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
TC - From 64 PLF at 0.00 to 64 PLF at 10.83  
TC - From 64 PLF at 10.83 to 64 PLF at 21.67  
BC - From 20 PLF at 0.00 to 20 PLF at 21.67  
TC - 158 LB Conc. Load at 1.06  
BC - 210 LB Conc. Load at 1.06  
BC - 3826 LB Conc. Load at 3.06  
BC - 1429 LB Conc. Load at 5.06, 7.06, 9.06  
BC - 1402 LB Conc. Load at 11.06, 13.06, 15.06  
BC - 1399 LB Conc. Load at 17.06, 19.06

This truss is not reversible. Per ANSI/TPI 1-2002, Section 2.4.3 Truss Manufacturer is responsible to provide information for proper orientation of trusses. This information shall be provided to the contractor.

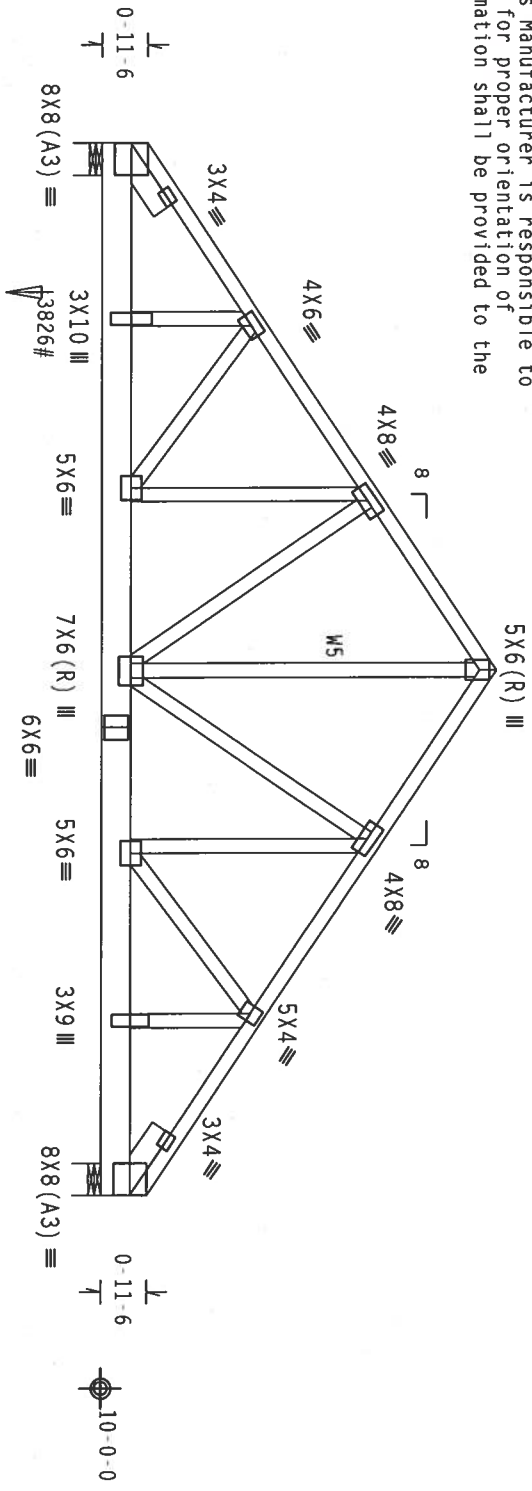
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun (0.128"x3", min.) nails)  
Top Chord: 1 Row @ 12.00" o.c.  
Bot Chord: 2 Rows @ 4.00" o.c. (Each Row)  
Weds : 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, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCPI(+/-)=0.18

Wind reactions based on MMFRS pressures.

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



10'-10'-0  
21'-8'-0 Over 2 Supports  
R=9594 U-2658 W=8"  
R=7710 U-2136 W=8"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

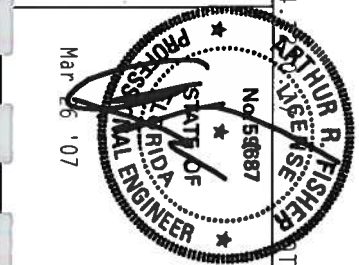
FL/-/4/-/R/-

Scale = .25"/ft.

\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN ERECTION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI BUILDING COMPONENTS (PUBLISHED BY THE TRUSS SOCIETY OF AMERICA, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WICA (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.

ALPINE

TW Building Components Group, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 557

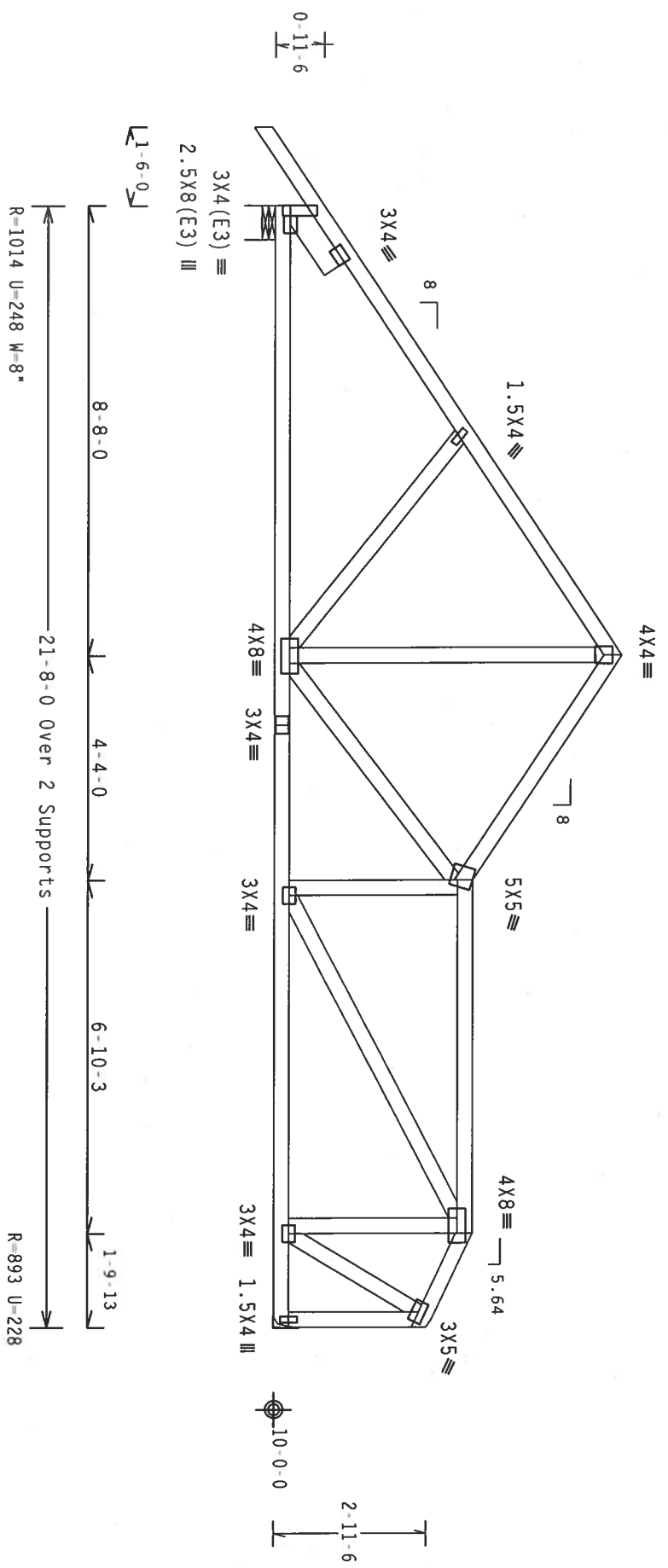


TC LL	20.0 PSF	REF	R8228 - 64/702
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085086
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT. LD.	40.0 PSF	SEQN-	159619
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T5Z8228Z02



Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
Lt Slider 2x6 SP #2: BLOCK LENGTH = 1.500'  
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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$  GCPI(+/-)=0.18  
Wind reactions based on MMFRS pressures.  
Right end vertical not exposed to wind pressure.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.24.1

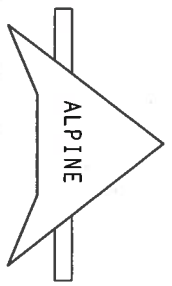
FL/-/4/-/R/-

Scale = .3125"/ft.

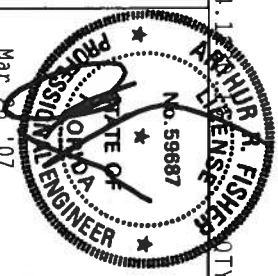
\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 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 BCG, 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 ASEP) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/1604 (W/H/35/3) ASTM A653 GRADE 40/60 (W, R/H/55) GALV. STEEL. APPLY LATEST EDITION OF NDS AND TPI. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604.2. ALL TRUSSES SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH TPI-2002 DECISION PER DRAWINGS 1604.2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS DESIGN. 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.



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



TC LL	20.0 PSF	REF	R8228-64703
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCSR8228 07085052
BC LL	0.0 PSF	HC-ENG CR/AF	
TOT.LD.	40.0 PSF	SEQN	172914
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T5Z8228Z02

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCp1(+/-)=0.18

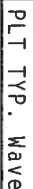
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

(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.

(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

$$C_q/RT=1.00(1.25)/10(0)$$

7.24.130 ACENSEMENT: 1

FL/-/4/-/-/R/-/

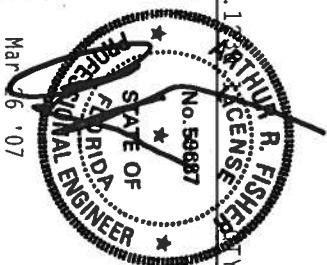
Scale = .3125" / Ft.

**WARNING:** THESE BUILDING COMPONENTS ARE IN FABRICATION, SHIPPING, INSTALLING AND BRACING. REFER TO BC91 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRESS PASTE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NRC (NATIONAL RESEARCH COUNCIL OF AMERICA, 6500 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 PROPERLY ATTACHED RIGID CEILING.

ALPINE

**TTW Building Components Group, Inc.**

Haines City, FL 33844  
FL 33844



TC LL	20.0 PSF	REF	R8228-64704
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085053
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN-	172970
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, LW=1.00 gcpi(+/-)0.18

Right end vertical not exposed to wind pressure.

Right end vertical not exposed to wind pressure.


$$Cq/RT=1.00(1.25)/10(0)$$

7.24.162016ENSCOTY:1

FL/14/1/1/R/1-

Scale = .3125" / Ft.

No. 99887  
 OFFICE OF

**\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT**

**TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.**

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMCA STANDARD 1, SECTION 2.



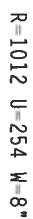
**ITW Building Components Group, Inc.**  
Haines City, FL 33844  
FL Certificate of Authorization # 667



TC LL	20.0 PSF	REF	R8228 - 64705
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085054
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN-	172920
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T5Z8228Z02

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt. ASE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, Exp C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1W=1.00 Gcp1(+/-)=0.18



Scale = .3125"/ft.

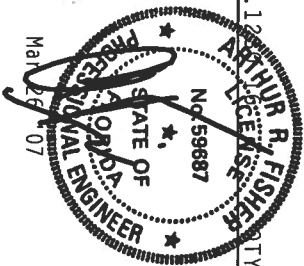
\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IPT-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

**\* IMPORTANT \***FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THIS BCO, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TYPE OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMPARISONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ACI/AIA) AND TPI.  
TYPICAL CONNECTION DETAIL PER DCA/ACI/IBRIST STEEL JOINTS (MAY 96), PER ENGLISH GALV STEEL APPLY PLATES TO EACH SIDE OF TRUSS AND TOP CHORDS OVERLAP AS SHOWN ON DRAWING PER DISCUSSION  
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A-2 OF TPI(2002 SEC.3).

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SUITLY FOR THE TRUSS COMPONENT DESIGN SHOWN.

THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



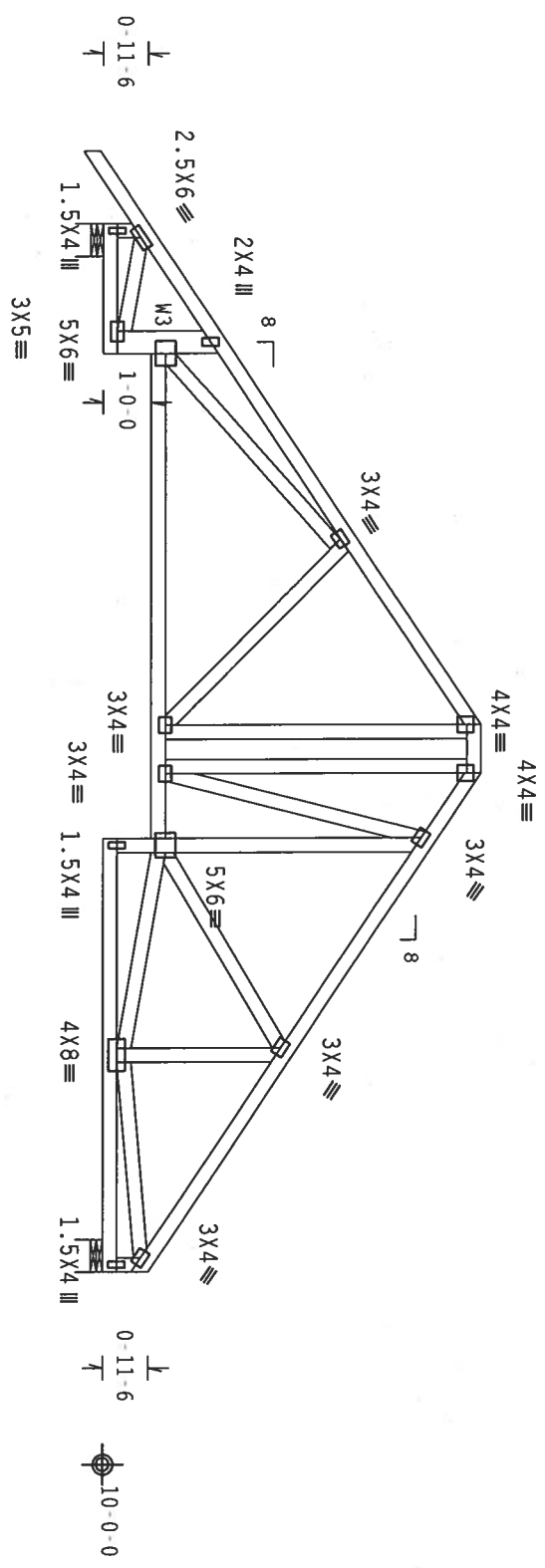
TC LL	20.0 PSF	REF	R8228 - 64706
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085055
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN -	172925
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T5Z8228Z02



Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3 :W3 2x6 SP #2:

Wind reactions based on MMFRS pressures.

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCP1(+/-)=0.18  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



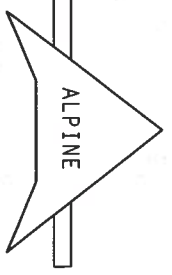
1-6-0  
2-8-0  
10-4-0  
10-0-0  
10-4-0  
9-0-0  
21-8-0 Over 2 Supports  
R=1017 U=252 W=8"  
R=907 U=216 W=8"

PLT TYP. Wave

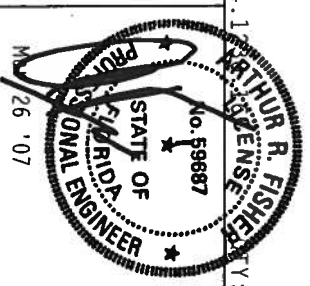
Design Crit: TPI-2002(STD)/FBC  
CQ/RT=1.00(1.25)/10(0)

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (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 BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OF TRUSS IN PERFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MD5 (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/1604 (W/H/S/R) ASH 855 GRADE 40/60 (4. K/H/SS) GALV. STEEL. APPLY PLATE INSPECTION OF STEEL TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604.2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENTS. THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

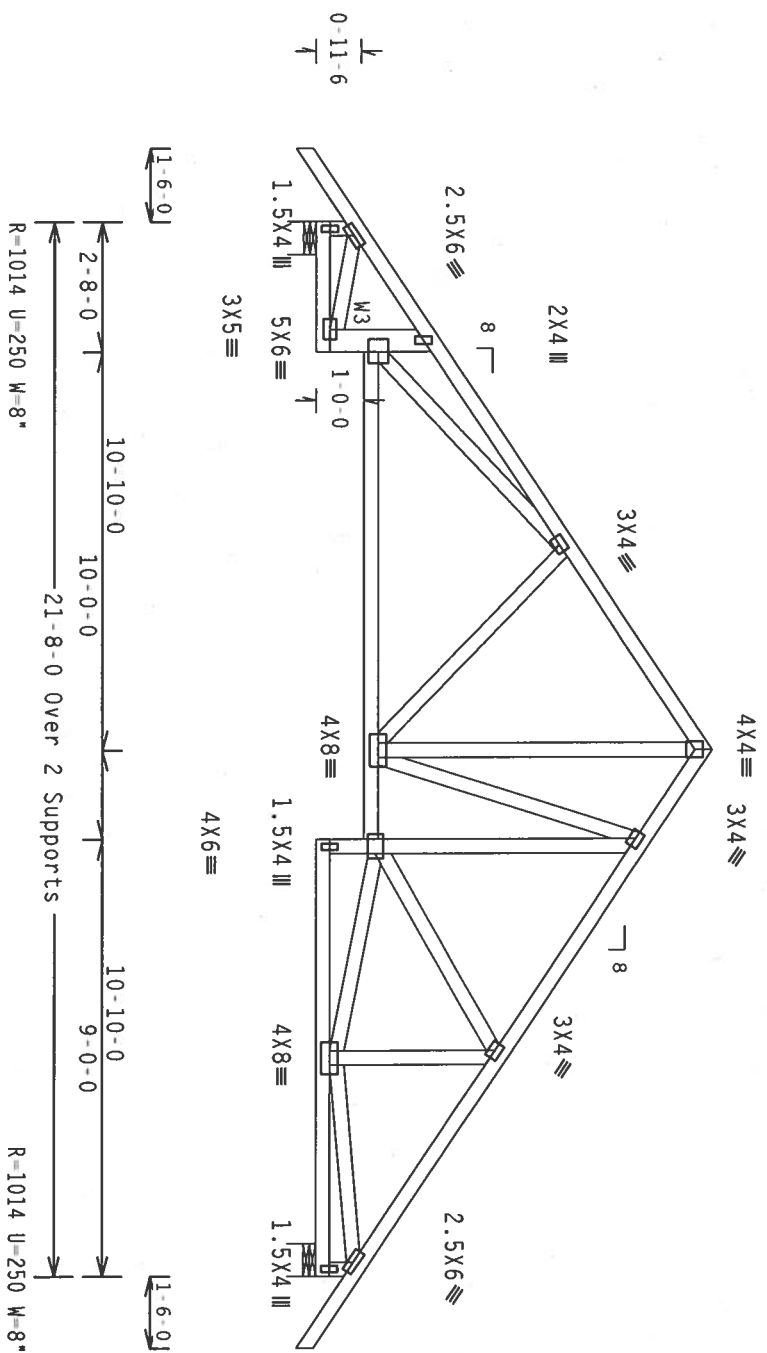


FL/-/4/-/1-1/R/-	Scale = .25"/ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT. LD.	40.0 PSF
DUR. FAC.	1.25
SPACING	24.0"
REF	R8228-64707
DATE	03/26/07
DRW	HCUSR8228 07085056
HC-ENG CR/AF	
SEQN-	172930
JREF	1T5Z8228202

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3 :W3 2x6 SP #2:

Wind reactions based on MFRS pressures.

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1W=1.00 GCpl(+/-)=0.18  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)



FL/-/4/-/R/-

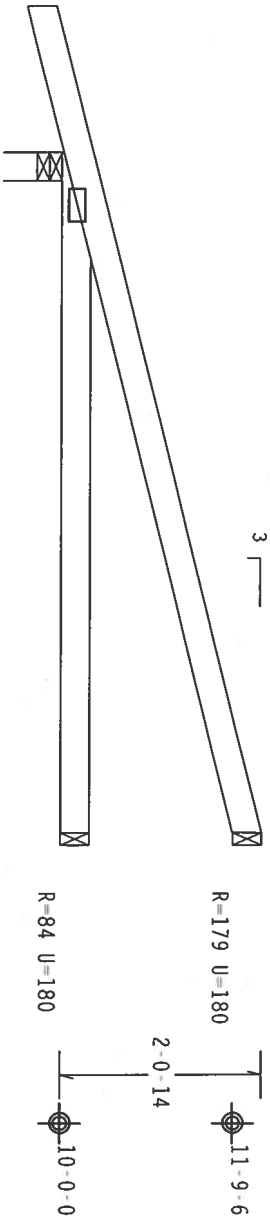
Scale = .25"/ft.

<p><b>ALPINE</b></p> <p>NTW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567</p>		<p><b>IMPORTANT**</b> TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS SYSTEMS INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WCA CHORD 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.</p> <p><b>**IMPORTANT**</b> FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, 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 &amp; BRACING OF TRUSSES.</p> <p>DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF WDS (NATIONAL DESIGN SPEC. BY AERPA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/160A (W/H/55/S) ASTM A653 GRADE 40/60 (W, K/H/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF JOISTS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHALL BE IN INCHES. ALL DIMENSIONS SHALL BE TO THE CENTERLINE OF THE DIMENSION INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.</p>		<p>TC LL 20.0 PSF REF R8228- 64708</p> <p>TC DL 10.0 PSF DATE 03/26/07</p> <p>BC DL 10.0 PSF DRW HCUR8228 07085057</p> <p>BC LL 0.0 PSF HC-ENG CR/AF</p> <p>TOT.LD. 40.0 PSF SEQN- 172939</p> <p>DUR.FAC. 1.25</p> <p>SPACING 24.0"</p> <p>JREF- 1T5Z8228Z02</p>	
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Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense

Wind reactions based on MMFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$  GCP1(+/-)=0.18  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



1-6-0

7-0-0 Over 3 Supports

R=398 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.24.1

TY:1 FL/-/4/-/1-/R/-

Scale = .5"/ft.

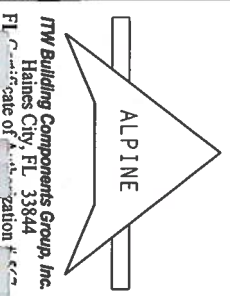
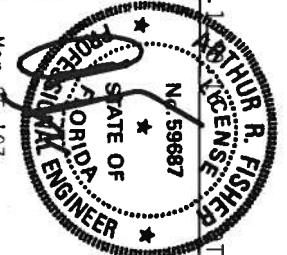
**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCGS TRUSS CONSTRUCTION MANUAL, 2180 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND WICKWOOD ENTERPRISE LANE, MADISON, NJ 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. 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. JTW BCG, 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. JTW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SS/V) ASTM A653 GRADE 40/60 (W, K/H, SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TPI-2002 SEC.3. A SEAL ON THIS

DESIGN SHOWS THE LOCATION OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

THIS DOCUMENT IS NOT VALID FOR CONSTRUCTION PURPOSES (UNLESS A VENDOR/ENGINEER) SUBMITTED BY JERRY CASTAGNA PERM.

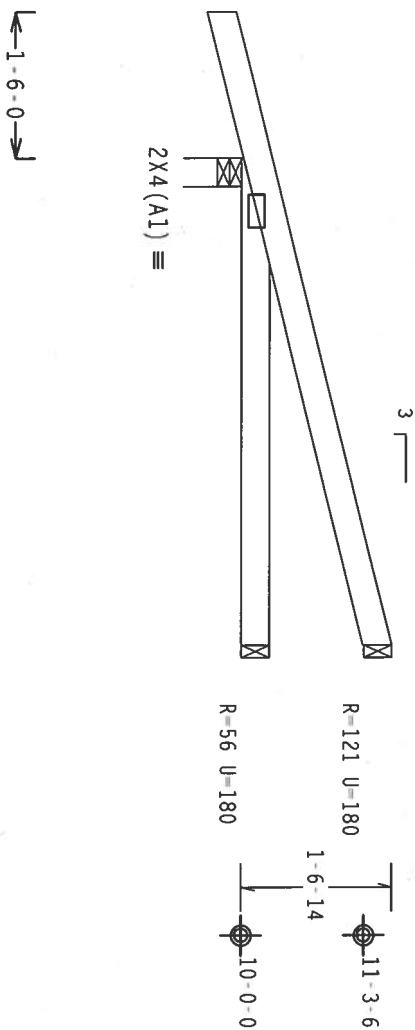


JTW Building Components Group, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 677

TC LL	20.0 PSF	REF	R8228- 64709
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085058
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN-	172653
DUR.FAC.	1.25		
SPACING	24.0"		
JREF	1T5Z8228Z02		

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 Gcp1(+/-)0.18	ASCE 7-02, CLOSED bldg, not
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)

 $C_q/RT=1.00(1.25)/10(0)$ 

7.24.12  
CENS  
TY:1

FL/-/4/-/-/R/-

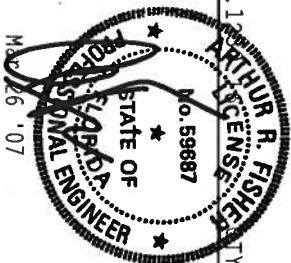
Scale = .5"/Ft.

\*WARNING\* - FRILES REQUIRING EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO GC51 (BUILDING COMPONENT SPECIFICATION). PUBLISHED BY IP1 (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD INSTITUTE OF AMERICA), 65000 ROCKHILL 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 PROPERLY ATTACHED RIGID CEILING.

ALPINE

**ITW Building Components Group, Inc.**  
11000  
City, IL 60644

Haines City, FL 33844  
FL Certificate of Registration #



TC LL	20.0 PSF	REF	R8228- 64710
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085059
BC LL	0.0 PSF	HC-ENG	CR/AF *
TOT.LD.	40.0 PSF	SEQN-	172615
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T5Z8228202



110 mph wind, 15.00 ft mean hgt., ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$  Gcpl(+/-)=0.18

Hipjack supports 7-0-0 setback jacks with no webs.

100



7.24.136.16 CENSE SHEET: 1 FL/-/4/-/-/R/-

Scale = .5" / Ft.

1  
ARTHUR R. FISHER  
BIBLIOTHECA  
No. 59687  
STATE OF  
★

**\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT**

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

DESIGN CONDITIONS: AIR APPLICABLE PROVISIONS OF MOST NATIONAL DESIGN SPEC. BY AREA) AND THE BUILDING CODES SHALL BE USED. THE TRUSS SHALL BE MADE OF 20/80/160A (N/855/S) ASTM A553 GRADE 40/60 (N/4/55) GALV. STEEL. APPLY CONNECTOR PLATES ARE MADE OF 20/80/160A (N/855/S) ASTM A553 GRADE 40/60 (N/4/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX AS OF FEB-2002 SECTION 3. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENTS OF THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMI/TP1 SEC. 2.

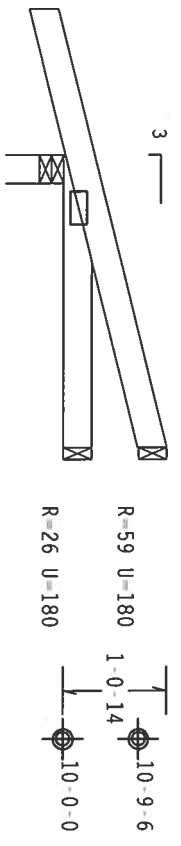
Mar 29, 07

TC LL	20.0 PSF	REF	R8228 - 64711
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085060
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN -	172632
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T528228202

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

Wind reactions based on MMFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC  
DL=5.0 psf, LW=1.00 GCPI(+/-)=0.18  
Deflection meets L/240 live and L/180 total load. Creep increase  
factor for dead load is 1.50.



←1-6-0→

3-0-0 Over 3 Supports  
R=255 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)



TY:1 FL/-4/-/R/-

Scale =.5"/ft.

**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSTI BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WCA (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 BCG, 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 ASEP) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/1064 (W/55/K) ASTM A653 GRADE 40/60 (W/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. ALL TRUSS DESIGNERS MUST BE AWARE OF THE 2002 SEC. 2.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. ONLY 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.			
ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Registration # 677			
TC LL	20.0 PSF	REF	R8228-64712
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085061
BC LL	0.0 PSF	HC-ENG CR/AF	*
TOT.LD.	40.0 PSF	SEQN-	172620
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02

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

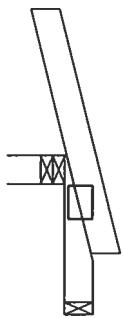
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC  
DL=5.0 psf.  $I_w=1.00$   $G_{CPI}(+/-)=0.18$

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

Wind reactions based on MMFRS pressures.

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

3



R=35 U=180  
10-0-0

3x4 (\*\*) =

1-6-0 over 2 Supports

R=223 U=180 W=3.5"

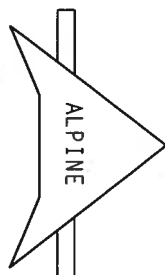
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
 $C_q/RT=1.00(1.25)/10(0)$

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING.  
REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210  
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCA (NATIONAL 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 BCG, 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 COMPONETS WITH APPLICABLE PROVISIONS OF WDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI.  
CONNECTOR PLATES ARE MADE OF 2018/1604 (W/H/S/S) ASTM A563 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY  
THE FOLLOWING FACTORS AND, UNLESS OTHERWISE SPECIFIED ON THIS DESIGN, POSITION PER DRAWINGS 1604.2.  
ANY INSPECTION OF PLATES SHALL BE MADE BY A QUALIFIED PERSONNEL. A SEAL ON THIS  
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. FOR THE TRUSS COMPANY  
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



FL/14/-/R/-

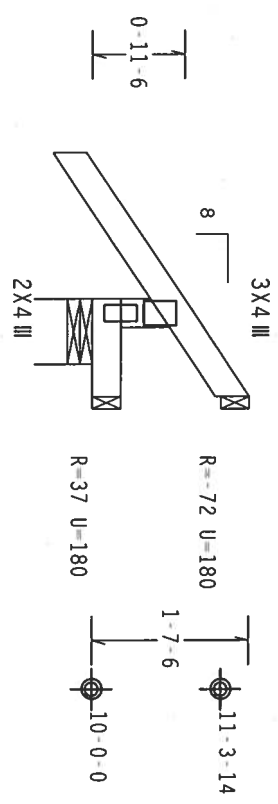
Scale = .5"/ft.

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TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCSR8228 07085062
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT. LD.	40.0 PSF	SEQN-	172626
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z828Z02

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

Wind reactions based on MFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$  GCPI(+/-)=0.18  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



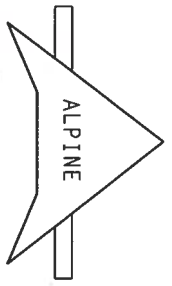
1-6-0 Over 3 Supports  
R=223 U=180 W=8"

PLT TYP. Wave

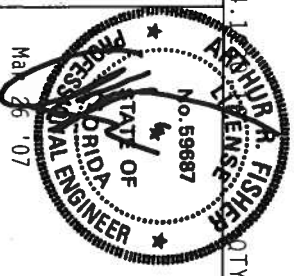
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE 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. JTW BCG, 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 AND BRACING. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BCS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. JTW BCG CONNECTIONS ARE MADE OF 2018/1604 (W/H/S/S) ASTM A653 GRADE 40/60 (4, K/H-55) GALV. STEEL. APPLY PLATE FROM FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604 Z. ALL DIMENSIONS ARE IN FEET AND INCHES. DIMENSIONS SHALL BE MEASURED AS OF 1/11/2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE AND PROFESSIONAL RESPONSIBILITY OF THE TRUSS COMPONENT DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



JTW Building Components Group, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 547



TC LL	20.0 PSF	REF	R8228-64714
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCSR8228 07085063
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT. LD.	40.0 PSF	SEQN-	172670
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02

Scale = .5"/ft.



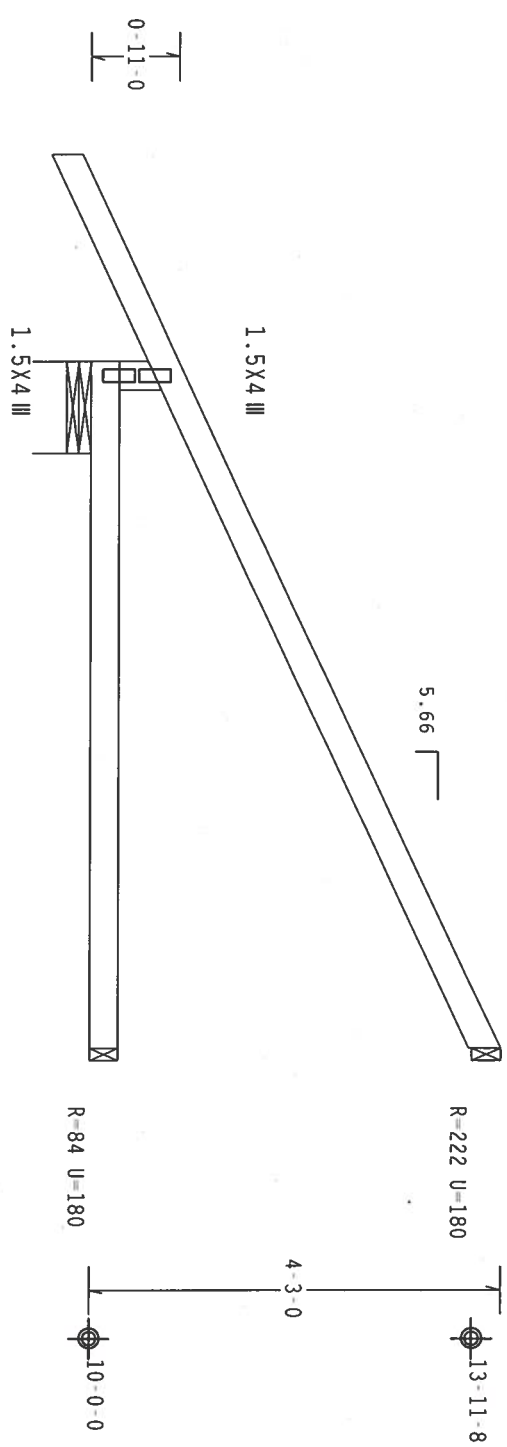
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

Wind reactions based on MMFRS 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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCPI(+/-)=0.18

Hipjack supports 5-0-0 setback jacks with no webs.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

FL/-/4/-/-/R/-

Scale = .5"/ft.

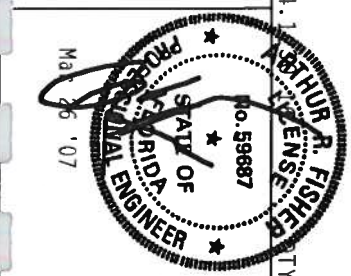
\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INSTITUTE) PUBLISHED BY THE NATIONAL TRUSS COUNCIL OF AMERICA, 100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WTCO, COUNCIL OF AMERICA, 100 ENTERPRISE 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 BCG, 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.

CONNECTION PLATES ARE MADE OF 2018/16GA (W/H/55/S) ASTM A653 GRADE 40/60 (W, K/H/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE CERTIFICATE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SEAL IS THE PROPERTY OF THE DESIGNER AND SHALL NOT BE REPRODUCED OR USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.  
Gaines City, FL 33844  
FL Certificate of Registration # 647

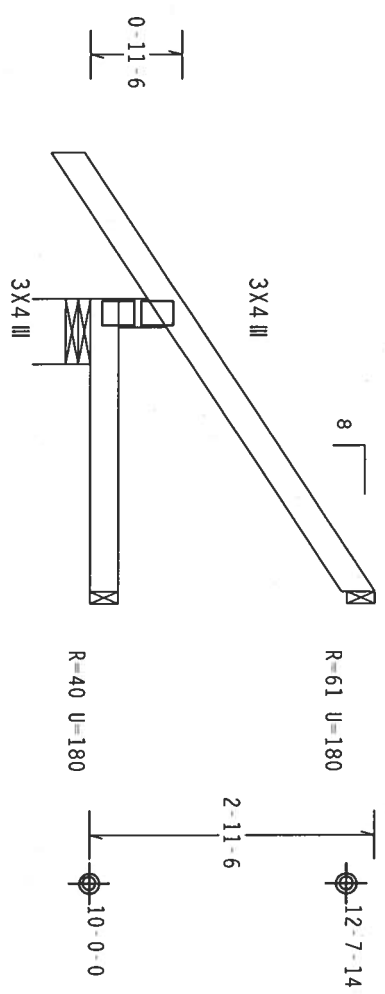


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TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCSR8228 07095064
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT. LD.	40.0 PSF	SEQN	172680
DUR. FAC.	1.25		
SPACING	24.0"	JREF	1T5Z8228202

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

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCPI(+/-)=0.18  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



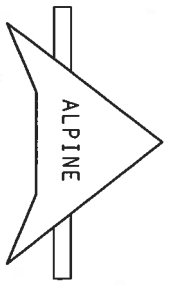
← 1-6-0 →  
3-0-0 over 3 Supports  
R-255 U=180 W=8"

PLT TYP. Wave

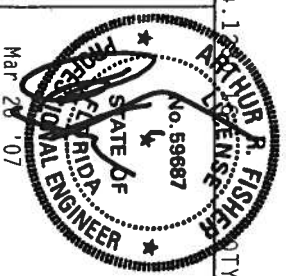
Design Crit: TP1-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE NATIONAL 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 BCG, 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. ITW BCG CONNECTION PLATES ARE MADE OF 2018/16GA (44 H/SS/PS) ASTM A653 GRADE 40/60 (44 K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. DEFLECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. A SEAL ON THIS DRAWING INDICATES THE SUFFICIENCY AND 25 OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 5547



TC LL	20.0 PSF	REF	R8228-64716
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07065065
BC LL	0.0 PSF	HC-ENG CR/AF	*
TOT. LD.	40.0 PSF	SEQN-	172675
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02

Scale = .5"/ft.

110 mph wind, 15.00 ft mean hgt., ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$   $G_{CPI}(+/-)=0.18$

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.


$$C_q/RT=1.00(1.25)/10(0)$$

7.24.1381 LICENSE HEAT CITY:1

FL/-/4/-/-/R/-

Scale = .5"/Ft.

STATE OF  
No. 59687  
ARTHUR R. FISHER  
LICENSE

N/b. 59687

STATE OF  
ER

20.0 PST  
11.6 LL

TC DL 10.0 PSF

BC DL 10.0 PSF

BC 11 0.0 PSE

TOT ID 40 0 PSE

101:ED: 40:0 F21

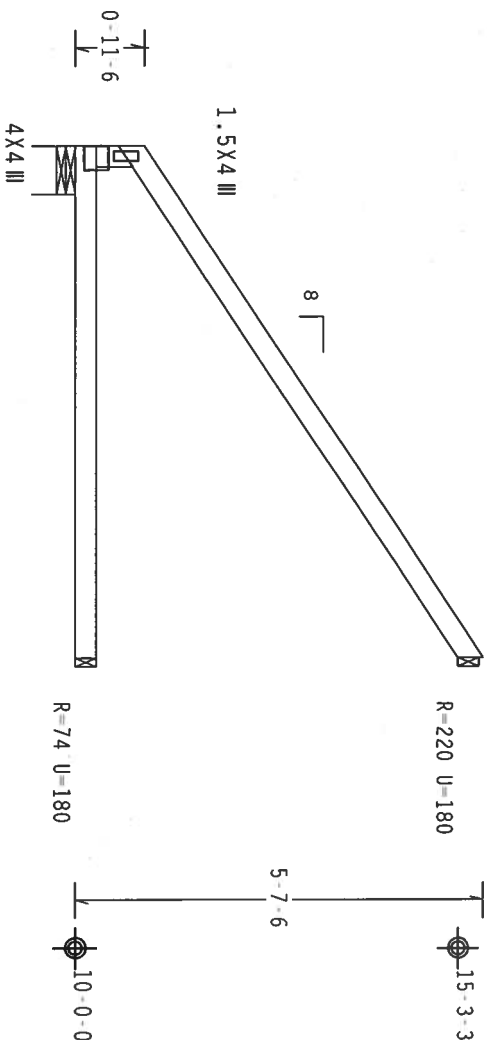
DUR.FAC. 1.25

SPACING 24.0"

REL	R8228 - 64717
DATE	03/26/07
DRW	HCUSR8228 07085066
HC-ENG	CR/AF
SEQN -	172858
JREF -	1T528228202

Wind reactions based on MWFRS pressures.

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$  Gcp1(+/-)=0.18



7-0-0 Over 3 Supports

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$ 

7.24.1

:1 FL/-/4/-/-/R/-

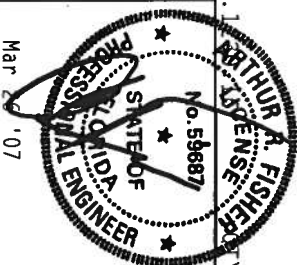
Scale = .375"/Ft.

\*WARNING: THESE FRAMES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO GC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IP1 (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 65000 MIDWAY ENTERPRISE LANE, MIDLAND, MI, 48179) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

ALPINE

**ITT Building Components Group, Inc.**

Haines City, FL 33844



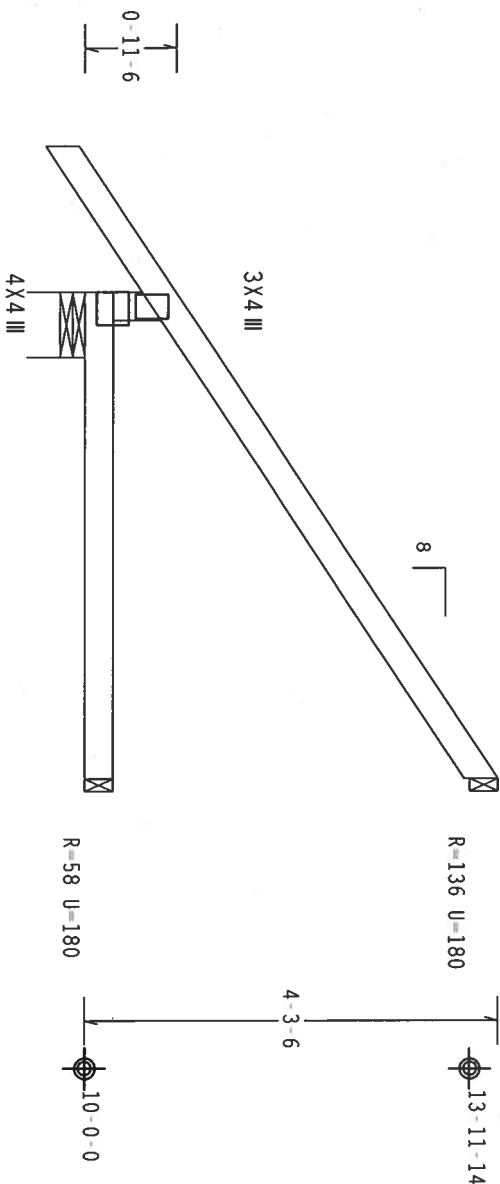
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TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085067
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN -	172853
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T5Z8228202



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

Wind reactions based on MMFRS pressures.

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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. LW=1.00 GCpl(+/-)=0.18  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



5-0-0 Over 3 Supports  
R=329 U=180 W=8"

PLT TYP. Wave

Design Crtt: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

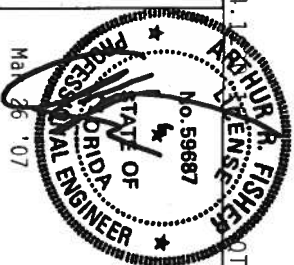
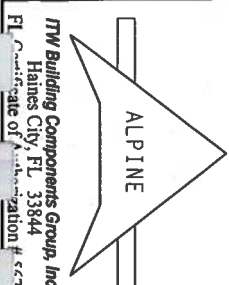
7.24.1

NOTY:1 FL/-/4/-/R/-

Scale = .5"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE SOURCE FOR TRUSS MANUFACTURING PRACTICES. NORTH LEE STREET SUITE 312, ALEXANDRIA, VA, 22304 AND WICA (WOOD 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 BCG, 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 AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2018/1664 (W.H/55/K) ASTM A653 GRADE 40/60 (W. K/H-55) 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 AMES AS OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SEAL OF THE ENGINEER OR THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMS/TP1 1 SEC. 2.

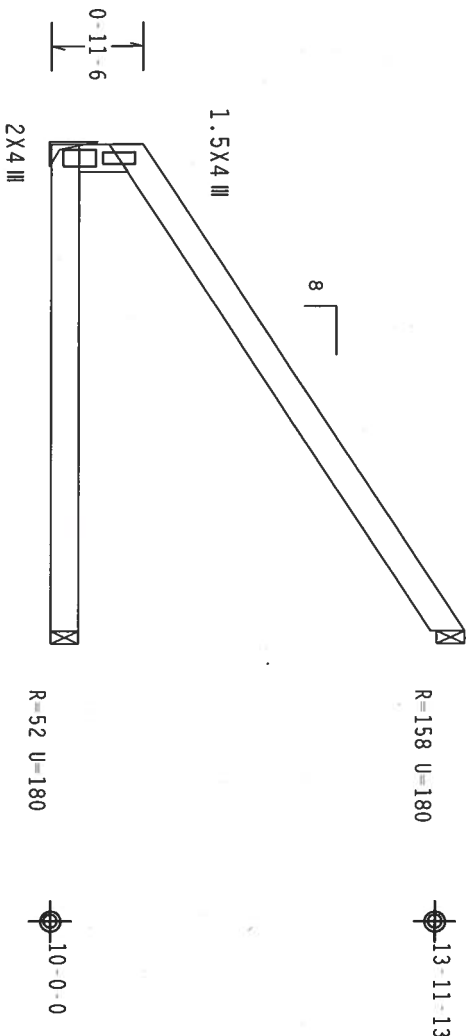


TC LL	20.0 PSF	REF	R8228-64719
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085068
BC LL	0.0 PSF	HC-ENG CR/AF	*
TOT.LD.	40.0 PSF	SEQN-	172702
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02

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

Wind reactions based on MMFRS pressures.

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 C, Wind TC DL=5.0 psf, wind BC DL=5.0 psf, LW=1.00 GCPI(+/-)=0.18  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



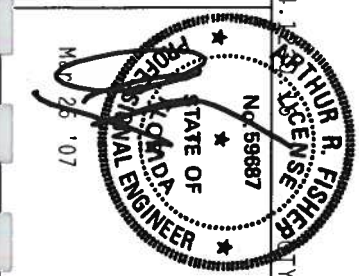
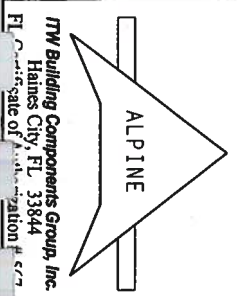
5-0-0 Over 3 Supports  
R=210 U=180

PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 BUILDING COMPONENT SAFETY MANUAL FOR PROPER TRUSS HANDLING AND BRACING. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND WICKHAM TRUSS COMPANY OF AMERICA, 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. JTW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OF TRUSSES. TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TP1. JTW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/SS/4) ASTM A653 GRADE 40/60 (W, K/H/SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP1-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT DESIGN AND MANUFACTURE. USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228 - 64720
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCSR8228 07085069
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT. LD.	40.0 PSF	SEQN-	172743
DUR. FAC.	1.25		
SPACING	24.0"	JREF -	1T528228202

Scale = .5"/ft.

[illegible]

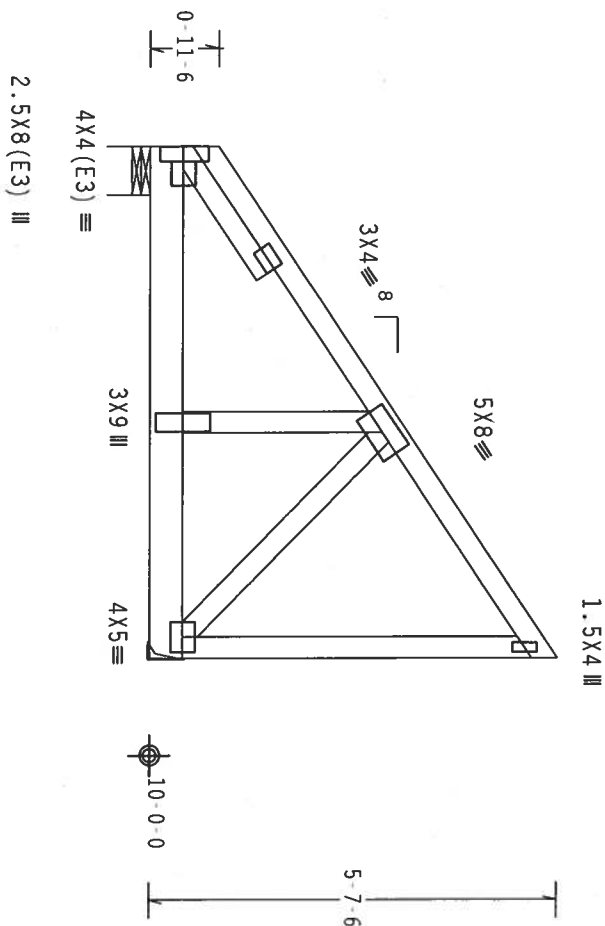
Webs 2x4 SP #3

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 64 PLF at 0.00 to 64 PLF at 7.00  
 BC - From 20 PLF at 0.00 to 20 PLF at 7.00  
 BC - 1092 LB Conc. Load at 2.06, 4.06, 6.06

Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.



7-0-0 Over 2 Supports  $R=1670$  U=412 W=8"  $R=2196$  U=539

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/10(0)$$

7.24.1

FL/-/4/-/-/R/-

Scale = .375" / Ft.

**\*WARNING\*** FRUES BUILDING EXTERIOR CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BC61 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NPCA (NORTH CAROLINA PRESS COUNCIL OF AMERICA, 65000 MIDWAY ENTERPRISE LANE, SUITE 5012, MI 53179) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANS AND BOTTOM CHORD SHALL HAVE/PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT**

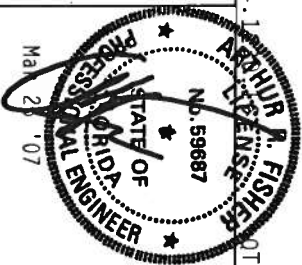
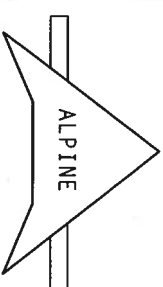
TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTION PLATES ARE MADE OF 20/18/16GA (W.H.55/K) ASIM A653 GRADE 40/60 (W. K/H.55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS 160A-2

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

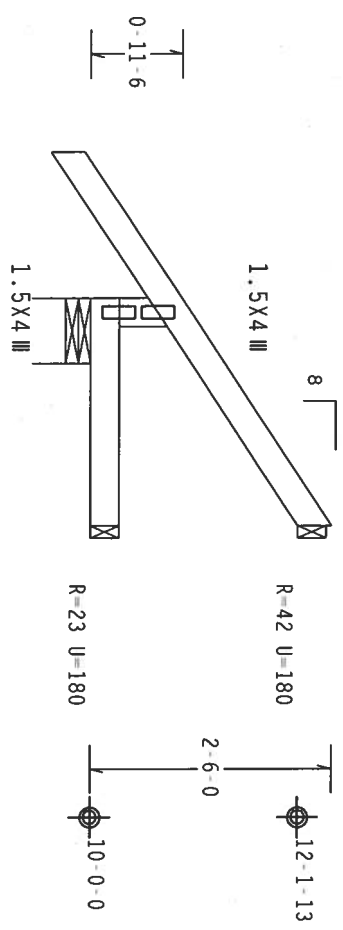


TC LL	20.0 PSF	REF	R8228 - 64721
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085070
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN -	172789
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T528228202

TOP Chord 2x4 SP #2 Dense  
Bot Chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

Wind reactions based on MFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 GCPI(+/-)=0.18  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



2-4-0 Over 3 Supports  
R=235 U=180 W=8"

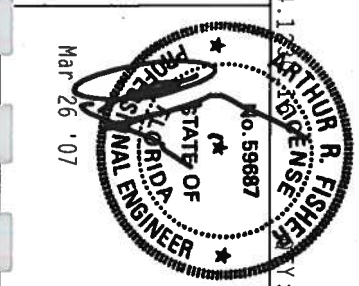
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. NORTH LEE STREET, MOBILE, AL 36688. (205) 681-1212. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



TW Building Components Group, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 547



TC LL	20.0 PSF	REF	R8228-64722
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085071
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT. LD.	40.0 PSF	SEQN-	172962
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1T5Z8228Z02

Scale = .5"/ft.



Weds 2x4 SP #3

## SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

IC	From	62 PLF at	0.00 to	62 PLF at	4.16
ESSE	62 PLF at <td>4.16 to <td>62 PLF at <td>4.16 <td>62 PLF at </td></td></td></td>	4.16 to <td>62 PLF at <td>4.16 <td>62 PLF at </td></td></td>	62 PLF at <td>4.16 <td>62 PLF at </td></td>	4.16 <td>62 PLF at </td>	62 PLF at

To	PLT at	62
From	PLT at	62
IC	PLT at	62

BC	From	20 PLF at	0.00 to	20 PLF at	10.33
1	1.00	0.00	0.00	0.00	0.00
2	1.00	0.00	0.00	0.00	0.00
3	1.00	0.00	0.00	0.00	0.00
4	1.00	0.00	0.00	0.00	0.00
5	1.00	0.00	0.00	0.00	0.00
6	1.00	0.00	0.00	0.00	0.00
7	1.00	0.00	0.00	0.00	0.00
8	1.00	0.00	0.00	0.00	0.00
9	1.00	0.00	0.00	0.00	0.00
10	1.00	0.00	0.00	0.00	0.00
11	1.00	0.00	0.00	0.00	0.00
12	1.00	0.00	0.00	0.00	0.00
13	1.00	0.00	0.00	0.00	0.00
14	1.00	0.00	0.00	0.00	0.00
15	1.00	0.00	0.00	0.00	0.00
16	1.00	0.00	0.00	0.00	0.00
17	1.00	0.00	0.00	0.00	0.00
18	1.00	0.00	0.00	0.00	0.00
19	1.00	0.00	0.00	0.00	0.00
20	1.00	0.00	0.00	0.00	0.00
21	1.00	0.00	0.00	0.00	0.00
22	1.00	0.00	0.00	0.00	0.00
23	1.00	0.00	0.00	0.00	0.00
24	1.00	0.00	0.00	0.00	0.00
25	1.00	0.00	0.00	0.00	0.00
26	1.00	0.00	0.00	0.00	0.00
27	1.00	0.00	0.00	0.00	0.00
28	1.00	0.00	0.00	0.00	0.00
29	1.00	0.00	0.00	0.00	0.00
30	1.00	0.00	0.00	0.00	0.00
31	1.00	0.00	0.00	0.00	0.00
32	1.00	0.00	0.00	0.00	0.00
33	1.00	0.00	0.00	0.00	0.00
34	1.00	0.00	0.00	0.00	0.00
35	1.00	0.00	0.00	0.00	0.00
36	1.00	0.00	0.00	0.00	0.00
37	1.00	0.00	0.00	0.00	0.00
38	1.00	0.00	0.00	0.00	0.00
39	1.00	0.00	0.00	0.00	0.00
40	1.00	0.00	0.00	0.00	0.00
41	1.00	0.00	0.00	0.00	0.00
42	1.00	0.00	0.00	0.00	0.00
43	1.00	0.00	0.00	0.00	0.00
44	1.00	0.00	0.00	0.00	0.00
45	1.00	0.00	0.00	0.00	0.00
46	1.00	0.00	0.00	0.00	0.00
47	1.00	0.00	0.00	0.00	0.00
48	1.00	0.00	0.00	0.00	0.00
49	1.00	0.00	0.00	0.00	0.00
50	1.00	0.00	0.00	0.00	0.00
51	1.00	0.00	0.00	0.00	0.00
52	1.00	0.00	0.00	0.00	0.00
53	1.00	0.00	0.00	0.00	0.00
54	1.00	0.00	0.00	0.00	0.00
55	1.00	0.00	0.00	0.00	0.00
56	1.00	0.00	0.00	0.00	0.00
57	1.00	0.00	0.00	0.00	0.00
58	1.00	0.00	0.00	0.00	0.00
59	1.00	0.00	0.00	0.00	0.00
60	1.00	0.00	0.00	0.00	0.00
61	1.00	0.00	0.00	0.00	0.00
62	1.00	0.00	0.00	0.00	0.00

BC - 1066 LB Conc. Load at 2.40

BC	893	LB Conc.	Load at	4.40
BC	893	LB Conc.	Load at	4.40

895	LB Conc.	Load at	0.40
899	LB Conc.	Load at	0.40

Top Word: 1 Row @ 12.00" 0.0 c  
Bot Chord: 1 Row @ 4.00" 0.0 c

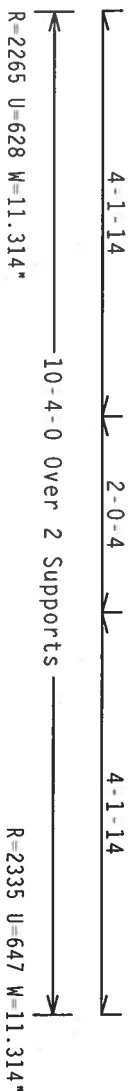
webs : 1 Row @ 4" o.c.

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 11, EXP C, wind TD DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 GCpf(+/-)=0.18

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

 $Cq/RT=1.00(1.25)/10(0)$ 

7.24.1286-16CENS-16TY:1

TY:1 FL/-/4/-/-/R/-

Scale = .5" / Ft.

\*"WARNING" LABELS REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO GC51 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRESS PALLADIUM INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD INDUSTRIES COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO TRANSFERRING SUCH PANELS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

**\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT**

BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGNING, MANUFACTURING, INSTALLING, OR USING TRUSSES IN CONFORMANCE WITH TPI-1 WITHOUT DESIGNING, MANUFACTURING, INSTALLING, OR USING TRUSSES IN CONFORMANCE WITH TPI-1.

DESIGN COMBURNS WITH APPLICABLE PROVISIONS OF MODS (NATIONAL DESIGN SPEC., BY AISC) AND IFL. ILM BPLY  
CONNECTOR PLATES ARE MADE OF 20/18/16G4 (W./H./S/K) ASTM A553 GRADE 40/60 (W./K.H./S) GALV. STEEL. APPLY  
PLATES TO EACH FACE OF THUS AND UNITS OTHERWISE LOCATED IN THIS DESIGN. POSITION PER DRAWINGS 160A.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TP11-2002 SECT.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.



**ITW Building Components Group, Inc.**  
Haines City, FL 33844  
FL State of Registration # 00000000



Mar 27 1977

ARTHUR R. FISHER  
REG. ENG.  
No. 53687  
STATE OF  
FLORIDA  
ENGINEER

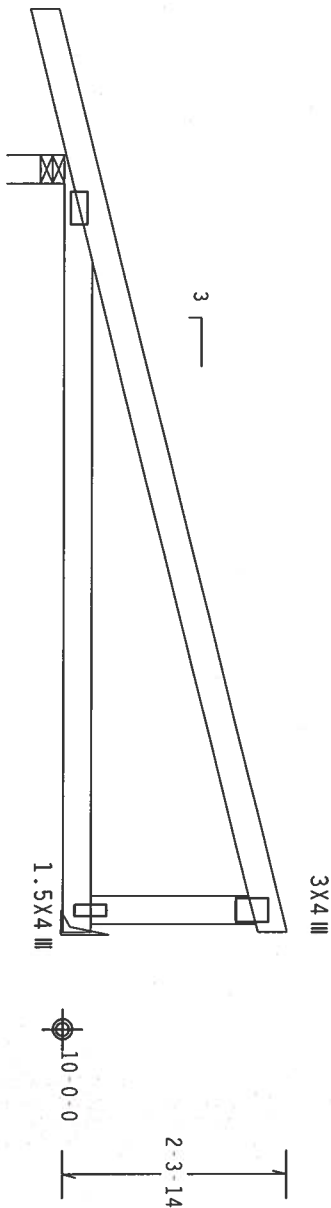
TC LL	20.0 PSF	REF	R8228 - 64723
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085087
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN -	172984
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T5Z8228202

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

Wind reactions based on MMFRS 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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 gcpl(+/-)=0.18  
Right end vertical not exposed to wind pressure.



1-6-0

8-0-0 Over 2 Supports  
R-433 U=180 W=3.5"  
R-309 U=180

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

7.24.1 ARTHUR R. FISHER  
No. 59687  
Professional Engineer  
Mar 21 2007

Scale = .5"/ft.

FL/14/-/-/R/-

TC LL

REF R8228-64724

TC DL 20.0 PSF

DATE 03/26/07

BC DL 10.0 PSF

DRW HCUR8228 07085072

BC LL 0.0 PSF

HC-ENG CR/AF

TOT.LD. 40.0 PSF

SEQN- 172636

DUR.FAC. 1.25

JREF- 1T5Z8228Z02

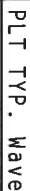
SPACING 24.0"

ALPINE

ITW Building Components Group, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 5547

\*\*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), 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND NCA (NATIONAL COUNCIL OF AMERICA, 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 BCG, 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 A BRACING OF TRUSSES.  
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/1604 (W/55/5) ASTM A653 GRADE 40/60 (W, K/H-55) GALV. STEEL. APPLY AN ANTI-RUST COATING TO ALL EXPOSED SURFACES. ALL TRUSSES SHALL BE SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY 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.

110 mph wind; 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 1, Exp C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpi(+/-)-0.18


$$Cq/RT=1.00(1.25)/10(0)$$

FL/-/4/-/-/R/-

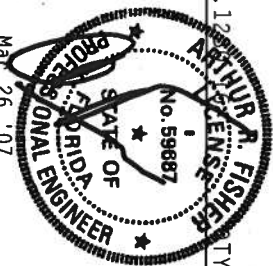
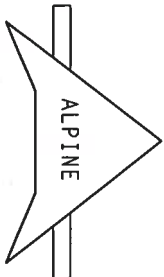
Scale = .5" / Ft.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, 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 AND BRACING OF TRUSSES, DESIGN CONFORMANCE WITHDRAWAL OF INSURANCE AS WELL AS OTHER DESIGN CONC. BY AGREED) AND TPI (TU BCG) SHALL BE THE SOLE RESPONSIBILITY OF THE USER.

**\* IMPORTANT \*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. IIT BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. IIT BCG TRUSS PLATES AND EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 1606.2 (CONNECTIONS), 1606.3 (BRACING), 1606.4 (BRACING), 1606.5 (BRACING), 1606.6 (BRACING), 1606.7 (BRACING), 1606.8 (BRACING), 1606.9 (BRACING), 1606.10 (BRACING), 1606.11 (BRACING), 1606.12 (BRACING), 1606.13 (BRACING), 1606.14 (BRACING), 1606.15 (BRACING), 1606.16 (BRACING), 1606.17 (BRACING), 1606.18 (BRACING), 1606.19 (BRACING), 1606.20 (BRACING), 1606.21 (BRACING), 1606.22 (BRACING), 1606.23 (BRACING), 1606.24 (BRACING), 1606.25 (BRACING), 1606.26 (BRACING), 1606.27 (BRACING), 1606.28 (BRACING), 1606.29 (BRACING), 1606.30 (BRACING), 1606.31 (BRACING), 1606.32 (BRACING), 1606.33 (BRACING), 1606.34 (BRACING), 1606.35 (BRACING), 1606.36 (BRACING), 1606.37 (BRACING), 1606.38 (BRACING), 1606.39 (BRACING), 1606.40 (BRACING), 1606.41 (BRACING), 1606.42 (BRACING), 1606.43 (BRACING), 1606.44 (BRACING), 1606.45 (BRACING), 1606.46 (BRACING), 1606.47 (BRACING), 1606.48 (BRACING), 1606.49 (BRACING), 1606.50 (BRACING), 1606.51 (BRACING), 1606.52 (BRACING), 1606.53 (BRACING), 1606.54 (BRACING), 1606.55 (BRACING), 1606.56 (BRACING), 1606.57 (BRACING), 1606.58 (BRACING), 1606.59 (BRACING), 1606.60 (BRACING), 1606.61 (BRACING), 1606.62 (BRACING), 1606.63 (BRACING), 1606.64 (BRACING), 1606.65 (BRACING), 1606.66 (BRACING), 1606.67 (BRACING), 1606.68 (BRACING), 1606.69 (BRACING), 1606.70 (BRACING), 1606.71 (BRACING), 1606.72 (BRACING), 1606.73 (BRACING), 1606.74 (BRACING), 1606.75 (BRACING), 1606.76 (BRACING), 1606.77 (BRACING), 1606.78 (BRACING), 1606.79 (BRACING), 1606.80 (BRACING), 1606.81 (BRACING), 1606.82 (BRACING), 1606.83 (BRACING), 1606.84 (BRACING), 1606.85 (BRACING), 1606.86 (BRACING), 1606.87 (BRACING), 1606.88 (BRACING), 1606.89 (BRACING), 1606.90 (BRACING), 1606.91 (BRACING), 1606.92 (BRACING), 1606.93 (BRACING), 1606.94 (BRACING), 1606.95 (BRACING), 1606.96 (BRACING), 1606.97 (BRACING), 1606.98 (BRACING), 1606.99 (BRACING), 1606.100 (BRACING).

DESIGN SHOWS THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228 - 64725
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085073
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT.LD.	40.0 PSF	SEQN-	173840
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T528228T02

אמא כנאוי בי שווייטשע (כאמפאניעס) וואס איז אפגעשטעלט דאס צווייטע

110 mph wind, 15.00 ft mean hgt., ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpl(+/-)=0.18

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.


$$Cq/RT=1.00(1.25)/10(0)$$

Scale = .5" / Ft.

STATE OF  
No. 59687

FLORIDA

**STONY BROOK**

三

5.

—

TC LL	20.0 PSF	REF	R8228 - 64726
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085074
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT. LD.	40.0 PSF	SEQN -	172646
DUR. FAC.	1.25		
SPACING	24.0"	JREF -	1T528228702

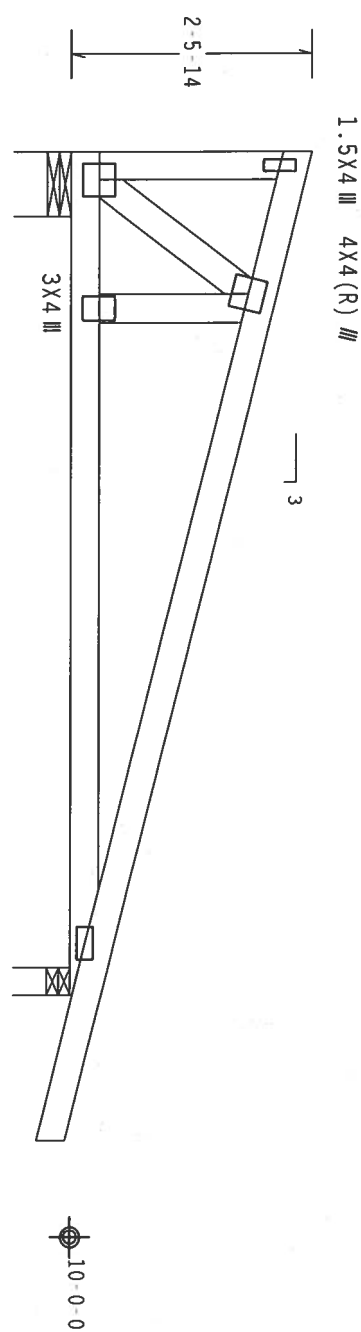


Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL-5.0 psf, wind BC DL=5.0 psf.  $1w=1.00$  GCPI(+/-)=0.18

Left end vertical not exposed to wind pressure.

**SPECIAL LOADS**  
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
TC - From 61 PLF at 0.00 to 61 PLF at 10.17  
BC - From 20 PLF at 0.00 to 20 PLF at 8.67  
BC - From 4 PLF at 8.67 to 4 PLF at 10.17  
BC - 945 LB Conc. Load at 1.60  
  
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.



8'-8'-0 Over 2 Supports  
R-1100 U-292 W-8\*  
R-640 U-198 W-3.5\*  
1'-6'-0

PLT TYP. Wave

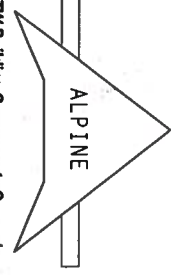
Design Crit: TP1-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

FL/-/4/-/-/R/-

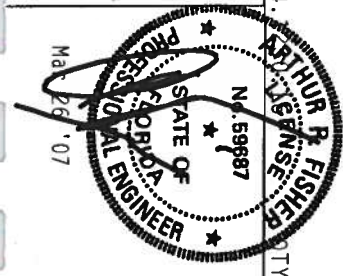
Scale = .5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE NATIONAL TRUSS COUNCIL OF AMERICA, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WCA (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 BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1, OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TP1. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TP1. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/1604 (W/H/S/S) ASTM A563 GRADE 40/60 (W, K/H, S/S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TP11-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



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



TC LL	20.0 PSF	REF	R8228-64727
TC DL	10.0 PSF	DATE	03/26/07
BC DL	10.0 PSF	DRW	HCUSR8228 07085075
BC LL	0.0 PSF	HC-ENG	CR/AF
TOT. LD.	40.0 PSF	SEQN-	172665
DUR. FAC.	1.25		
SPACING	24.0"		

JREF - 1T5Z8228Z02

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

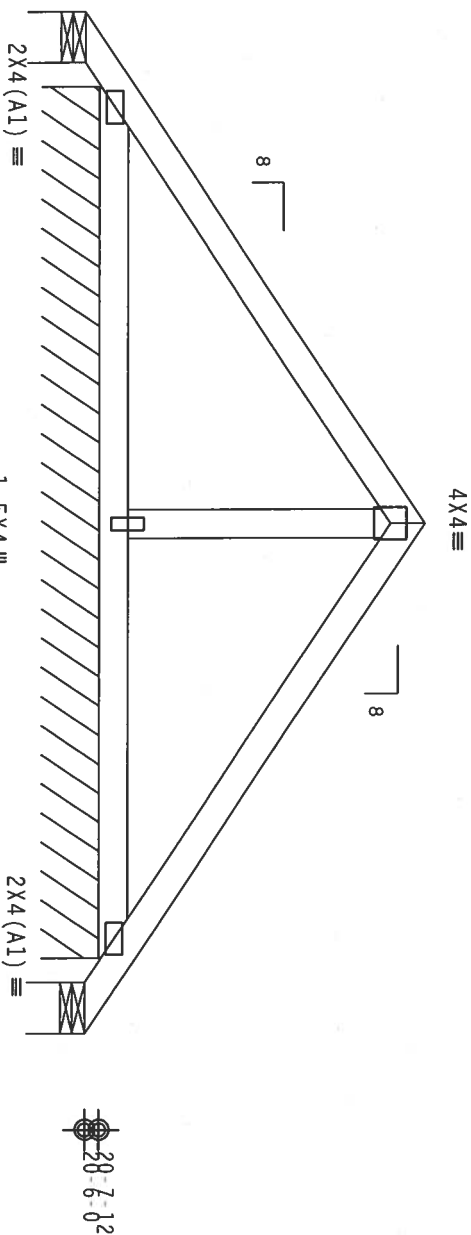
Wind reactions based on MMFRS pressures.

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

Top chord of supporting truss under piggyback to be laterally braced at 24' oc, unless specified otherwise.

110 mph wind, 22.25 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=1.2 psf.  $I_w=1.00$   $G_{CPI}(+/-)=0.18$

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



R=75 U=180 W=6.31"  
R=92 PLF U=63 PLF W=8-11-7  
R=75 U=180 W=6.31"

PLT TYP. Wave

\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 BUILDING COMPONENT SAFETY INFORMATION 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.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.24

FL/-/4/-/-/R/-

Scale = .5"/ft.

\*\*\*IMPORTANT\*\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, 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 AREA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/S) 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 AREA AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL 20.0 PSF REF R8228-64728

TC DL 10.0 PSF DATE 03/26/07

BC DL 2.0 PSF DRW HCUR8228 07085076

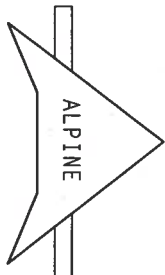
BC LL 0.0 PSF HC-ENG CR/AF

TOT. LD. 32.0 PSF SEQN- 173743

DUR. FAC. 1.25

SPACING 24.0"

JREF- 1T5Z8228Z02



ITW Building Components Group, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 577

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.

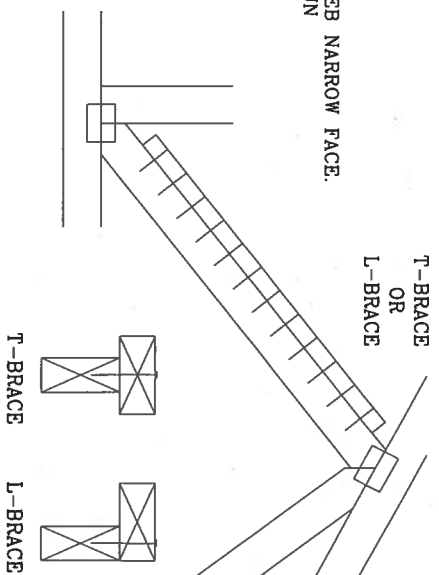
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.

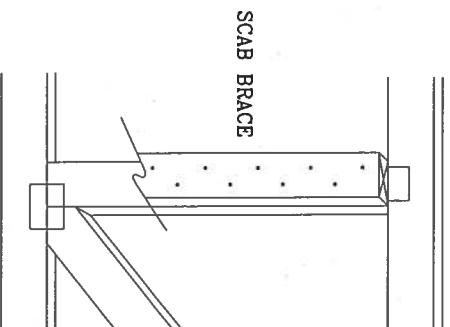
T-BRACING  
OR  
L-BRACING:

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



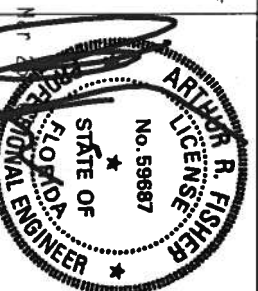
THIS DRAWING REPLACES DRAWING 579.640



ITV BUILDING COMPONENTS GROUP, INC.  
POMPAHO BEACH, FLORIDA

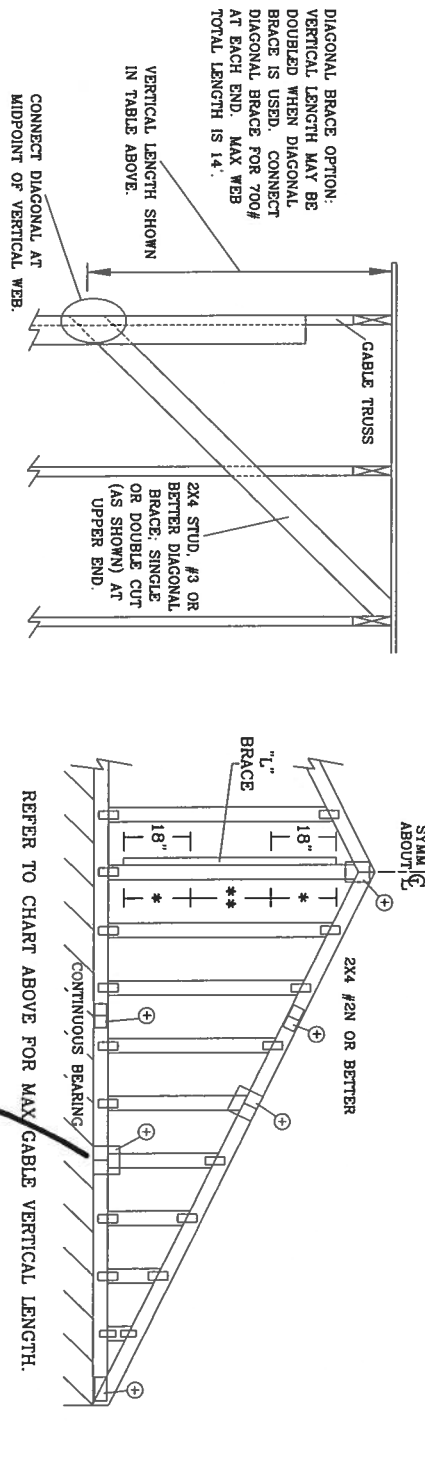
\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE ST., SUITE 312, ALEXANDRIA, VA 22314 AND VITA CWOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND THE IBC. BCG CONNECTOR PLATES ARE MADE OF 6061-T6 ALUMINUM. ALL BOLTS ARE 304 STAINLESS STEEL. ALL DESIGN POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TPI 1-2002 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.



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	BRCIBSUB0207
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

2x4 CABLE VERTICAL SPACING		BRACE		NO BRACES		(1) 1x4 "L" BRACE *		(1) 2x4 "L" BRACE *		(2) 2x4 "L" BRACE **		(1) 2x6 "L" BRACE *		(2) 2x6 "L" BRACE **	
GRADE	SPECIES	SPF	HF	SP	DFL	SPF	HF	SP	DFL	SPF	HF	SP	DFL	SPF	HF
24" O.C.	SPF	#1 / #2	3' 8"	5' 5"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"
	STUD	#3	3' 7"	5' 5"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"
	STANDARD	#1	3' 7"	5' 5"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"
	STUD	#3	3' 7"	5' 5"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"
16" O.C.	SPF	#1 / #2	4' 0"	6' 4"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"
	STUD	#3	3' 11"	6' 4"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"
	STANDARD	#1	3' 11"	6' 4"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"
	STUD	#3	3' 11"	6' 4"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"	8' 10"
12" O.C.	SPF	#1 / #2	4' 1"	8' 0"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"
	STUD	#3	4' 1"	8' 0"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"
	STANDARD	#1	4' 1"	8' 0"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"
	STUD	#3	4' 1"	8' 0"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"



ALPINE

ITW BUILDING COMPONENTS GROUP, INC.  
POMPAHO BEACH, FLORIDA

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 218 NORTH LEE ST., SUITE 312, ALEXANDRIA, VA 22304 AND VITCA (VIRGINIA TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., 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 COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. BY AIA/ASA AND TPI. TPI, BCS CONNECTOR PLATES ARE MADE OF 20/18/16GA (V/A/H/SS) ASTM A653 GRADE 40/60 (V/A/H/SS) DESIGNATION PER PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED IN THIS PER DESIGN DETAIL, ALL PLATES SHALL BE 1/4" THICK. 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  
No. 59897  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

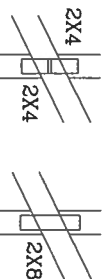


CABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

④ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

\* IF CABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

**EXAMPLE:**



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN  
ATTACH EACH "I" REINFORCING MEMBER WITH  
HAND DRIVEN NAILS:

### HAND DRIVEN NAILS:

(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 CABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

ASCE 7-93 CABLE DETAIL DRAWINGS

A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207,  
A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207,  
A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207,

ASCE 7-98 CABLE DETAIL DRAWINGS

A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08515EC0207,

A13030EC0207, A12030EC0207, A1030EC0207, A08530EC0207

ASCE 7-02 CABLE DETAIL DRAWINGS A13015EEF0207 A11

[illegible]

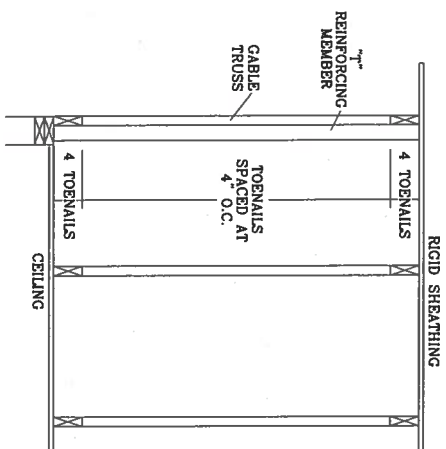
ASCE 7-05 CABLE DETAIL DRAWINGS

A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08515E50207,

A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08530E50207

SEE APPROPRIATE ALPINE CABLE DETAIL (ASCE OR SBCCI)

VERTICAL LENGTH.



THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

TO CONVERT FROM "L" TO "W" REINFORCING MEMBERS  
MULTIPLY "L" FACTOR BY LENGTH (BASED ON CABLE  
VERTICAL SPECIES, GRADE AND SPACING) FOR (1)  
2X4 "L" BRACE GROUP A, OBTAINED FROM THE  
APPROPRIATE ALPINE CABLE 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 M/R		"1" REINF. MBR. SIZE	SBCI	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	0 %	20 %	
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" BRACE INCREASE (EBONY ABOVE) = 10% = 110

(1) 2X4 "L" BRACE LENGTH = 6' 7"

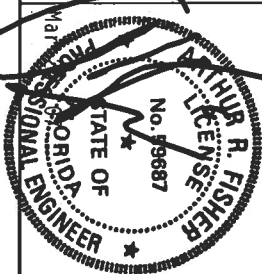
MAXIMUM "T" REINFORCED CABLE VERTICAL LENGTH

$$1.10 \times 6' 7'' = 7' 3''$$


**ITW BUILDING COMPONENTS GROUP, INC.**  
**POMPANO BEACH, FLORIDA**

1. TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TP1 TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314 AND VITA CYCLOD TRUSS COUNCIL, 4 AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53797 FOR SAFETY PRACTICES PRIOR TO PERFORMING THE STEEL CONNECTIONS. TRUSSES OVERLAPSE INDICATED CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID JOINTING.

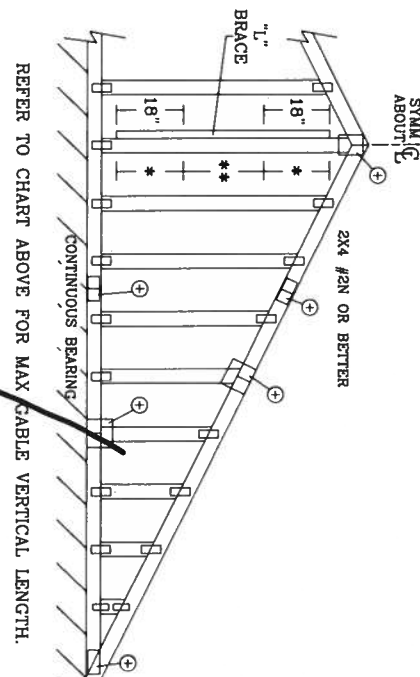
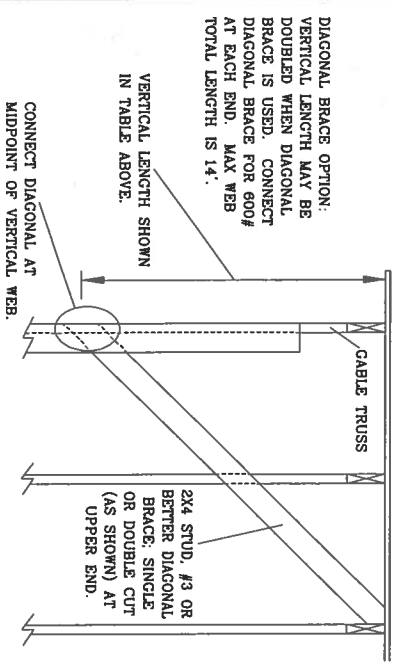
2. FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. TP1 BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1 OR APPLICABLE PROVISIONS OF NS INTERNATIONAL DESIGN SPEC. BY AREA4 AND TP1 VITA BEG CONNECTOR PLATES ARE MADE OF 60/16/26GA (V.A.H.S.S) AND A563 GRADE 40/60 (V.A.H.S.S) AND ARE TO BE USED IN THE MANNER INDICATED BY THE DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER POSITION PER DRAWINGS 1604-2, 1604-3 AND 1604-4. INSPECTION OF ALL TRUSSES SHALL BE MADE BY THE DESIGNER. ANNEX A3 OF TP1-1-2006 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/TP1-1 SEC. 2.



REF	LET-IN VERT
DATE	2/23/07
DRWG	GBLETTIN0207
-ENG	DLJ/KAR

# MAX GABLE VERTICAL LENGTH

CABLE VERTICAL SPACING	2X4 BRACE SPECIES	GRADE	NO BRACES	(1) 1X4 "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	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" O.C.	SPF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			STUD	3' 9"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			STANDARD	3' 9"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
16" O.C.	SPF	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			STUD	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	12' 5"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			STANDARD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	12' 5"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
24" O.C.	SPF	#1 / #2	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	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"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	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"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"



**GABLE TRUSS DETAIL NOTES:**

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PSF OVER CONTINUOUS BEARING (5 PSF TO 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' 0" O.C. IN 18" END ZONES AND 4' 0" O.C. BETWEEN ZONES.

\*\* FOR (2) "L" BRACES: SPACE NAILS AT 3' 0" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 90% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH	NO SPICE	
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, SPICE, AND HEEL PLATES.		

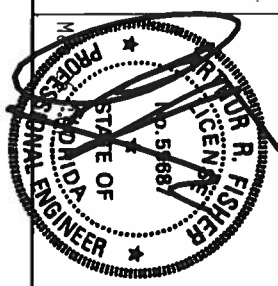
BRACING GROUP SPECIES AND GRADES:			
GROUP A:		GROUP B:	
SPRUCE-PINE-FIR	HEM-FIR	SPRUCE-PINE-FIR	HEM-FIR
#1 / #2	#2	#1 / #2	#2
STUD	STUD	STUD	STUD
STANDARD	STANDARD	STANDARD	STANDARD



ITW BUILDING COMPONENTS GROUP, INC.  
POMPAHO BEACH, FLORIDA

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**REMARKS:** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, INCLUDING THE BUILDING OF TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASA AND TPI. TPI, BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (V4)SS/SS/SS 40/60 (V4)SS/SS/SS. DESIGN OF TRUSSES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS PERMANENTLY ATTACHED PLATE, ALL DIMENSIONS ARE IN INCHES. 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.



REF	ASCE7-02-CAB11015
DATE	2/23/07
DRWG	A11015EE0207
ENG	
MAX. TOT. LD.	60 PSF
MAX. SPACING	24.0"

100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02 OR ASCE 7-05, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK C ANCHORAGE TO PERMANENTLY RESTRAIN PUTRINS.

80 MPH WIND, 30.00 FT MEAN HGT, SBC,  
ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF  
WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.  
MUST BE ADEQUATELY BRACED BY SHEATHING C

100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-98,  
CLOSED BLDG, LOCATED ANYWHERE IN ROOF CAT II,  
EXP. C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.  
PROVIDE DIAGONAL BRACING OR OTHER SUITABLE

\* 12" MIN RIGID SHEATHING OVERLAP WITH 8d COMMON (0.131"x2.5") OR GUN NAILS IN OVERLAP ZONE SPACED AT 4" O.C.

DETAIL B

FLAT TO BRACING PER ENGINEERS SEALED DESIGN

FLAT TOP CHORD  $\leq 20'$

PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS AND SECURED WITH 2X4 #3 GRADE SCAB (1 SIDE ONLY) ATTACHED WITH 10d COMMON NAILS AT 4" O.C.

FLAT TC BRACING PER ENGINEER'S SEALED DESIGN

FLAT TOP CHORD  $\leq 30'$

IN LIEU OF TRULOX CONNECTORS, ALPINE 62PB SPECIAL PIGGYBACK CONNECTORS MAY BE USED. SHOP APPLY TOOTHED PORTION, FIELD ATTACH TO MATING TRUSS WITH (4) 0.120" X 0.375" NAILS MINIMUM EACH FACE.

(4) 8d COMMON NAILS (0.131"X2.5")

2" X 8 X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 8d COMMON NAILS PER GUSSET, (4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

THIS DRAWING REPLACES DRAWINGS 581,670 & 961,860



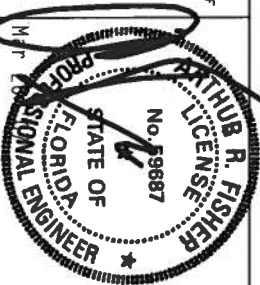
**ITW BUILDING COMPONENTS GROUP, INC.**  
**POMPANO BEACH, FLORIDA**

\*\*VAINING\*\*= TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TP1 TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22304 AND VITA C/VOID TRUSS COUNCIL, DUNFRIES, 6300 ENTERPRISE LN., HANSON, VA 53759 FOR SAFETY PRACTICES PRIOR TO PERFORMING THE STEEL CONNECTIONS. TRUSSES SHALL BE INSTALLED TO CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\*= FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMANCE WITH TP1 OR APPLICABLE PROVISIONS OF NSI NATIONAL DESIGN SPEC. BY AREA AND TP1.

TP1, BCG CONNECTOR PLATES ARE MADE OF 201/191664 C.V.H./SS555 AFTER VACUUM BAKED 40/60 (V.A.S.S) DESIGN POSITION PER DRAWING. EACH PLATE OF 1/8" THICKNESS AND UNLESS OTHERWISE LOCATED ON THIS SPECIFICATION, POSITION PER DRAWING.

ANNEX A3 OF TP1-1-2002 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 NSI/TP1 SEC. 2



TC LL	PSF	REF	PIGgyBACK
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	PIGBACKA0207
BC LL	PSF	-ENG	DLJ/KAR
TOT. LD. MAX 60 PSF			
DUR. FAC. 1.15			
SPACING 24.0"			



TOP	CHORD	2X4	#2	OR	BETTER
BOT	CHORD	2X4	#2	OR	BETTER
	WEBS	2X4	#3	OR	BETTER

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

TRUSS TOP CHORD WITH 1.5X3 PLATE. ATTACH VERTICAL WEBS TO  
 PIGGYBACK BOTTOM CHORD MAY BE OMITTED.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

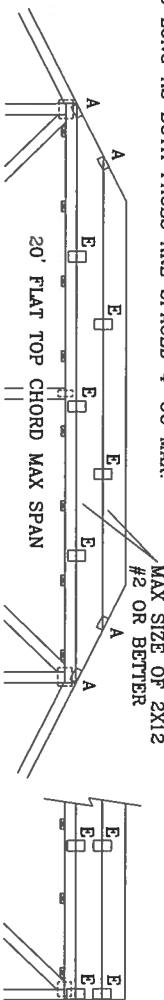
REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

130 MPH WIND, 30' MEAN HGT, ASCE 7-98, ASCE 7-02 OR  
ASCE 7-05, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II,  
EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

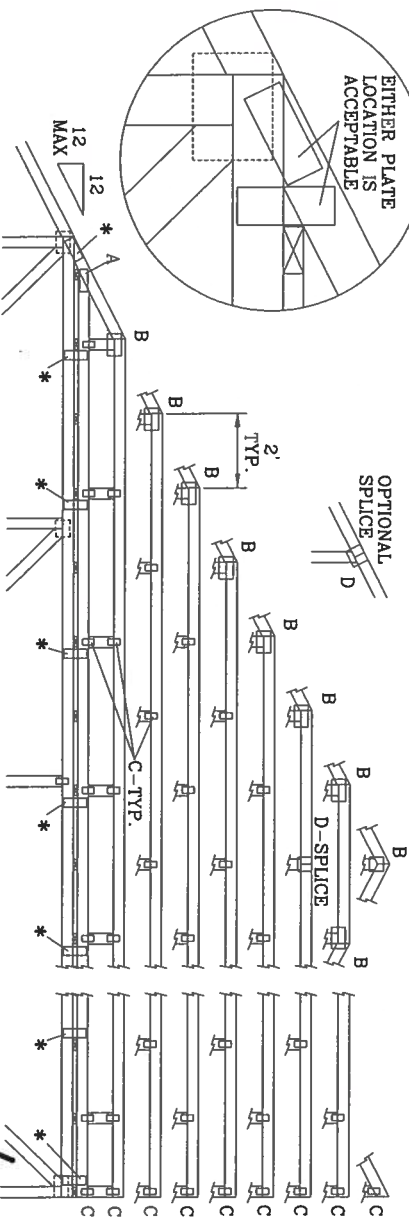
110 MPH WIND, 30' MEAN HGT, SBC  
ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF  
WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E,\*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.



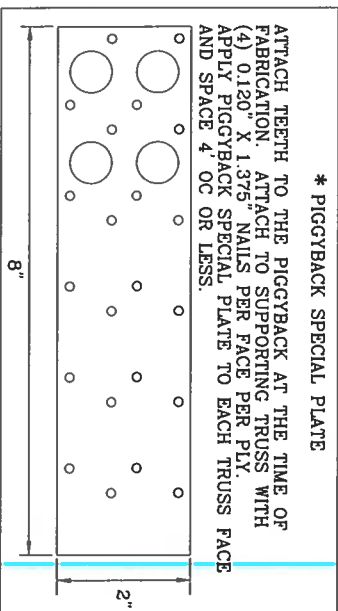
EITHER PLATE  
LOCATION IS  
ACCEPTABLE

**OPTIONAL  
SPICE**



\*ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE

THIS DRAWING REPLACES DRAWINGS 634,016 634,017 & 847,045



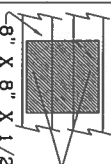
**\* PIGGYBACK SPECIAL PLATE**

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4" OC OR LESS.

WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0" TO 7'9"	NO BRACING
7'9" TO 10'	1x4 <sup>3/4"</sup> BRACE. SAME GRADE SPECIES AS WEB MEMBER. OR BETTER, AND 80% LENGTH OF MEMBER. ATTACH WITH 6d BOX (0.113'X 2.5' MIN) NAILS AT 4" OC.
10' TO 14'	2x4 <sup>3/4"</sup> BRACE. SAME GRADE SPECIES AS WEB MEMBER. OR BETTER, AND 80% LENGTH OF MEMBER. ATTACH WITH 16d BOX (0.135'X 3.5' MIN) NAILS AT 4" OC.

ATTACH TRULOX PLATES WITH (3) 0.120" X 1.375" NAILS OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRUSS AT 4' OC. ROTATED VERTICALLY			



(4) 6d BOX (0.089"X 2",MIN) NAILS.

-8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 6d BOX (0.099" X 2." MIN) NAILS PER GUSSET.

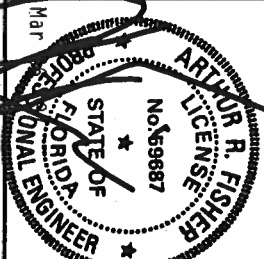
(4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC

# ALPINE

**ITW BUILDING COMPONENTS GROUP, INC.**  
**POMPANO BEACH, FLORIDA**

1. **MAINTENANCE** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314 AND VICA (VOID) TRUSS COUNCIL C, AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53707 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIONS. TRUSSES OVERLAP INDICATED AREA. CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOLTS. CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

2. **WARRANTY** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. TPI BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN AND FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH TPI OR APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. BY AISC/AIA AND TPI. TPI BCG CONNECTOR PLATES ARE MADE OF 207B/16GA (A/HS/SS) ASTM A653 GRADE 40/60 (A/HS/SS) DESIGN POSITION PER DRAWING 16047. PLACE OF EROSION/CRACKS OR DEFECTS OF MATERIAL LOCATED ON THIS PER ANNEK A3 OF TPI 1-2002 SEC. 3, A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



MAX LOADING	REF	PIGGYBACK
55 PSF AT	DATE	2/23/07
1.33 DUR. FAC.	DRWG	PIGBACKBO
50 PSF AT	-ENG	DLJ/KAR
1.25 DUR. FAC.		
47 PSF AT		
1.15 DUR. FAC.		
SPACING		24.0"



***Castagna Construction, Inc***  
***521 NW Old Mill Rd***  
***Lake City, Fl 32055***  
***386-755-6867 phone***  
***386-755-3745 fax***  
***Castagnaconstruc@bellsouth.net***

September 15, 2008

Building Department  
RE: Dannecker Job

To whom it may concern,

We need to get a 90 extension on permit # 26178 for William Dannecker.  
We appreciate your consideration and help in this matter.

Sincerely

Castagna Construction, Inc.  
Jerry Castagna  
CBC047842

*Castagna Construction*  
*521 NW Old Mill Rd.*  
*Lake City, Florida 32055*

Re: ~~\_\_\_\_\_~~

Plans will include arc fault interrupters in all bedrooms.

Jerry Castagna  
Castagna Construction *INC*

jc/lc



# ELK

Available Colors: Antique Slate, Weatheredwood, Shalewood, Sablewood, Hickory, Barkwood\*\*, Forest Green, Wedgewood\*\*, Birchwood\*\*, Sandalwood, Gallery Collections Balsam Forest, Weathered Sage, Sierra Sunset



**PRESTIQUE®  
HIGH DEFINITION®**



**RAISED PROFILE™**

## Prestique Plus High Definition and Prestique Gallery Collection™

Product size .....13½" x 39½"  
Exposure .....5½"  
Pieces/Bundle .....16  
Bundles/Square .....498.5 sq.ft.  
Squares/Pellet .....11

50-year limited warranty period:  
non-prorated coverage for  
shingles and application labor for  
the initial 5 years, plus an option  
for transferability\*1 prorated  
coverage for application labor and  
shingles for balance of limited  
warranty period 5-year limited  
wind warranty\*.

## Raised Profile

Product size .....13½" x 39½"  
Exposure .....5½"  
Pieces/Bundle .....22  
Bundles/Square .....370.0 sq.ft.  
Squares/Pellet .....16

30-year limited warranty period:  
non-prorated coverage for  
shingles and application labor for  
the initial 5 years, plus an option  
for transferability\*1 prorated  
coverage for application labor and  
shingles for balance of limited  
warranty period 5-year limited  
wind warranty\*.

## Prestique I High Definition

Product size .....13½" x 39½"  
Exposure .....5½"  
Pieces/Bundle .....16  
Bundles/Square .....498.5 sq.ft.  
Squares/Pellet .....14

40-year limited warranty period:  
non-prorated coverage for  
shingles and application labor for  
the initial 5 years, plus an option  
for transferability\*1 prorated  
coverage for application labor and  
shingles for balance of limited  
warranty period 5-year limited  
wind warranty\*.

## HIP AND RIDGE SHINGLES

### Seal-A-Ridge® w/FLX™

Size: 12" x 12"  
Exposure: 6½"  
Pieces/Bundle: 46  
Coverage: 4 Bundles = 100 linear feet ..

## Prestique High Definition

Product size .....13½" x 39½"  
Exposure .....5½"  
Pieces/Bundle .....22  
Bundles/Square .....370.0 sq.ft.  
Squares/Pellet .....16

30-year limited warranty period:  
non-prorated coverage for  
shingles and application labor for  
the initial 5 years, plus an option  
for transferability\*1 prorated  
coverage for application labor and  
shingles for balance of limited  
warranty period 5-year limited  
wind warranty\*.

## Elk Starter Strip

62 Bundles/Pellet  
18 Pellets/Truck  
936 Bundles/Truck  
18 Pieces/Bundle  
1 Bundle = 120.33 linear feet

Available Colors: Antique Slate, Weatheredwood, Shalewood, Sablewood, Hickory, Barkwood\*\*, Forest Green, Wedgewood\*\*, Birchwood\*\*, Sandalwood, Gallery Collections Balsam Forest, Weathered Sage, Sierra Sunset

All Prestique, Raised Profile and Seal-A-Ridge roofing products contain Elk WindGuard® sealant. WindGuard activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blowoffs and leaks.

Check for availability with built-in StainGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae. Not available in Sablewood.

All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 897) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-4 D 3191, Type-4 E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles meet the latest Metro Dade building code requirements.

\*See actual limited warranty for conditions and limitations.

\*\*Check for product availability.

## SPECIFICATIONS

Score Work Includes finishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color). Hip and ridge type to be Elk Seal-A-Ridge with formula FLX.

All exposed metal surfaces (flashing, vents, etc.) to be painted with matching Elk roof accessory paint.

Preparation of Roof Deck: Roof deck to be dry, well seasoned 1" x 6" (24.4mm x 152.4mm) boards exterior grade plywood (exposure 1 rated sheathing at least 3/8" (9.5mm) thick conforming to the specifications of the American Plywood Association 210 (11.974mm) oriented strandboard or chipboard. Most fire retardant plywood decks are NOT approved substrates for Elk shingles. Consult Elk Field Service for application specifications over other decks and other slopes.

MATERIALS Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. For low slopes (4" per foot (101.6/304.8mm) to a minimum of 2" per foot (50.8/304.8mm)), use two plys of underlayment overlapped a minimum of 18". Fasteners shall be of sufficient length and holding power for securing material as required by the application instructions. Printed on shingle wrapper.

For areas where slope is a problem, shingles shall be (name) with StainGuard treatment, as manufactured by the Elk Tuscaloosa plant. Hip and ridge type to be Seal-A-Ridge with formula FLX with StainGuard treatment.

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All

warranties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to meet Elk application requirements. In some areas, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements less than those contained in its application instructions.

For specifications in CSI format, call 800.354.SPEC (7732) or e-mail specinfo@elkcorp.com.

SOUTHEAST &  
ATLANTIC OFFICE:  
800.945.5551

CORPORATE HEADQUARTERS:  
800.354.7732

PLANT LOCATION:  
800.945.5545

**ELK**  
www.elkcorp.com

55JCV7 01.02



# PRODUCT PERFORMANCE DATA

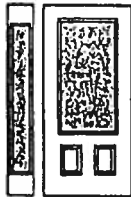
HURRICANE CODE

## WOOD-EDGE STEEL DOOR IN WOOD FRAME

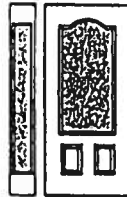
### PRODUCT CERTIFICATION SHEET 01-0314.29 (DADE-OUTSWING)

Valid for the following side-hinged door arrangements (Sheet 2 of 2):

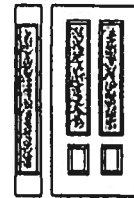
#### 3/4 GLASS:



404 Series



410 Series

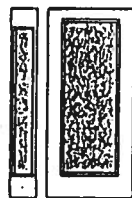


450 Series

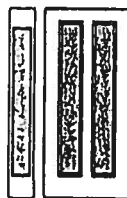
#### FULL GLASS:



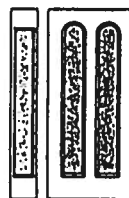
109 Series



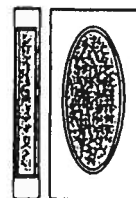
114, 120, 122 Series



152 Series



149 Series

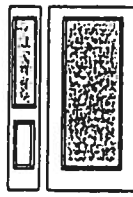


300 Series

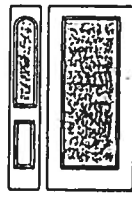
#### SIDELITE STYLES:



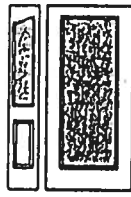
680 Series



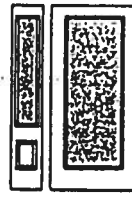
129 Series



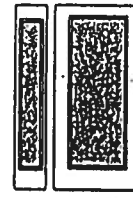
200 Series



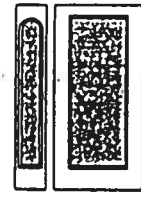
12R, 12L, 23R,  
23L, 24R, 24L  
Series



450 Series



152 Series



149 Series

DP ±50.5-50.5

IMPACT NO

MULTI\_WE\_STL\_WD\_GLZ-2

Entergy  
Entry Systems

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

PREMI  
makes  
it!

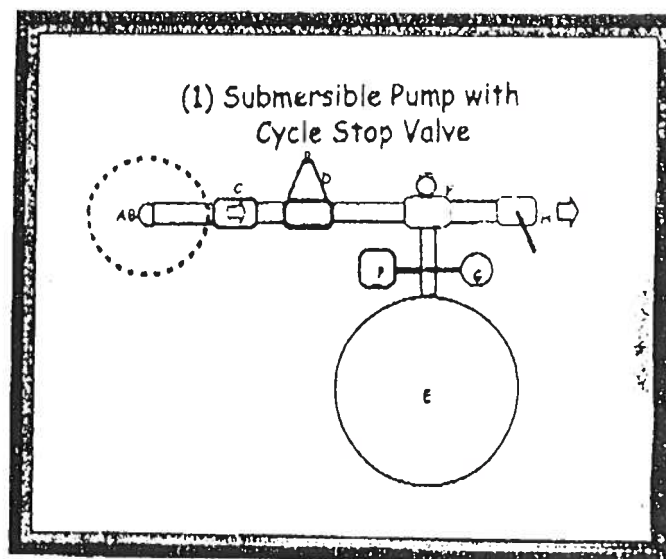
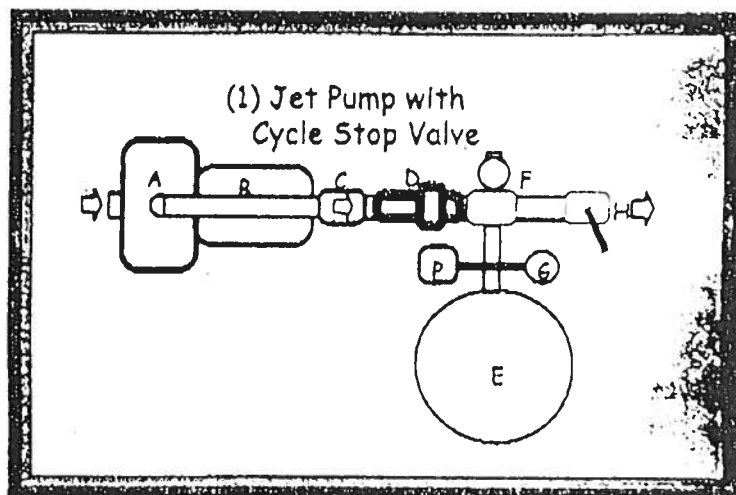
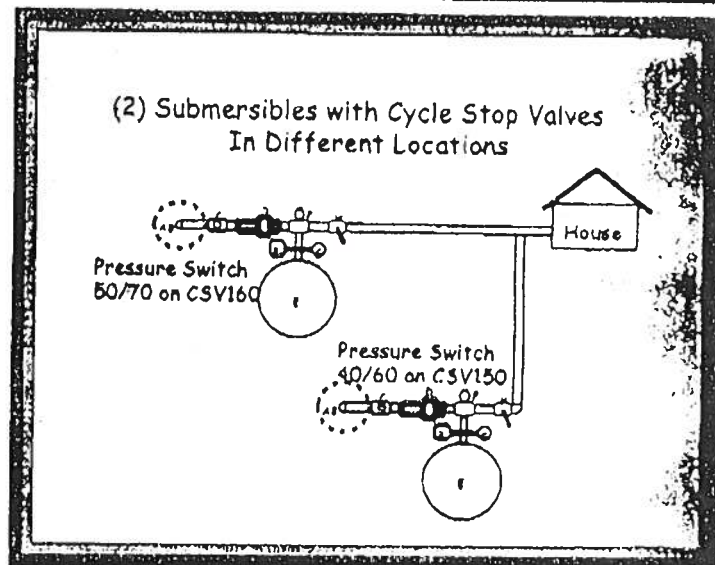
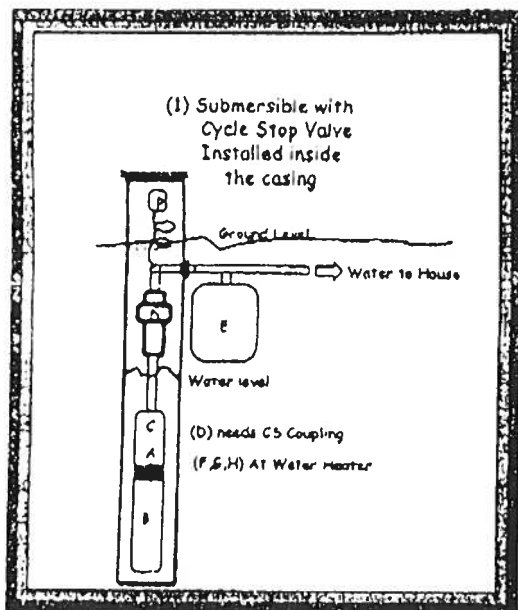




## Technical Information

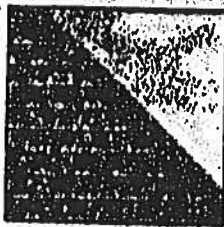
## Model CSV1 and CSV2 Applications

- A) Pump
- B) Motor
- C) Check valve
- D) Cycle Stop Valve
- E) Pressure tank
- F) Pressure relief valve
- G) Pressure gauge
- H) Isolation valve
- P) Pressure switch
- LP) Low Pressure Cut off



**ELK**

ARCHITECTURAL SHINGLES • ROOFING • FLOORING

**PRESTIQUE®  
HIGH DEFINITION®****Prestique Plus High Definition  
and Prestique Gallery Collection™**

Product size .....13½" x 39½"  
Exposure .....5½"  
Pieces/Bundle .....16  
Bundles/Square .....4/98.5 sq.ft.  
Squares/Pellet .....11

30-year limited warranty period:  
non-prorated coverage for  
shingles and application labor for  
the initial 5 years, plus an option  
for transferability\*†; prorated  
coverage for application labor and  
shingles for balance of limited  
warranty period 5-year limited  
wind warranty\*.

**RAISED PROFILE™****Raised Profile**

Product size .....13½" x 39½"  
Exposure .....5½"  
Pieces/Bundle .....22  
Bundles/Square .....3/100 sq.ft.  
Squares/Pellet .....16

30-year limited warranty period:  
non-prorated coverage for  
shingles and application labor for  
the initial 5 years, plus an option  
for transferability\*†; prorated  
coverage for application labor and  
shingles for balance of limited  
warranty period 5-year limited  
wind warranty\*.

**Prestique I High Definition**

Product size .....13½" x 39½"  
Exposure .....5½"  
Pieces/Bundle .....16  
Bundles/Square .....4/98.5 sq.ft.  
Squares/Pellet .....14

40-year limited warranty period:  
non-prorated coverage for  
shingles and application labor for  
the initial 5 years, plus an option  
for transferability\*†; prorated  
coverage for application labor and  
shingles for balance of limited  
warranty period 5-year limited  
wind warranty\*.

**HIP AND RIDGE SHINGLES****Seal-A-Ridge® w/FLX™**

Size: 12" x 12"  
Exposure: 6½"  
Pieces/Bundle: 46  
Coverage: 4 Bundles = 100 linear feet ..

**Prestique High Definition**

Product size .....13½" x 39½"  
Exposure .....5½"  
Pieces/Bundle .....22  
Bundles/Square .....3/100 sq.ft.  
Squares/Pellet .....16

30-year limited warranty period:  
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the initial 5 years, plus an option  
for transferability\*†; prorated  
coverage for application labor and  
shingles for balance of limited  
warranty period 5-year limited  
wind warranty\*.

**Elk Starter Strip**

52 Bundles/Pellet  
16 Pellets/Truck  
936 Bundles/Truck  
19 Pieces/Bundle  
1 Bundle = 120.33 linear feet

Available Colors: Antique Slate, Weatheredwood, Shalwood, Sablewood, Hickory, Barkwood™, Forest Green, Wedgewood™, Birchwood™, Sandalwood,  
Gallery Collections: Balsam Forest®, Weathered Sage®, Sierra Sunset®.

All Prestique, Raised Profile and Seal-A-Ridge roofing products contain Elk WindGuard® sealant. WindGuard activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in StainGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae. Not available in Sablewood.

All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 987) and Class "A" Fire Ratings (UL 790); and  
ASTM Specifications D 3018, Type-I D 3161, Type-II E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles meet the latest Metro Dade building code requirements.

\*See actual limited warranty for conditions and limitations.

†Check for product availability.

**SPECIFICATIONS**

Score Work includes finishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color). Hip and ridge type to be Elk Seal-A-Ridge with formula /FLX.

All exposed metal surfaces (flashing, vents, etc.) to be painted with matching Elk roof accessory paint.

PREPARATION OF ROOF DECK: Roof deck to be dry, well-seasoned 1" x 6" (25.4mm x 152.4mm) boards; exterior-grade plywood (exposure 1 rated sheathing) at least 3/4" (19.05mm) thick conforming to the specifications of the American Plywood Association 210 (11.07mm) oriented strandboard or chipboard. Most fire retardant plywood decks are NOT approved substrates for Elk shingles. Consult Elk Field Service for application specifications over other decks and other slopes.

MATERIALS: Underlayment for standard roof slopes, 1" per foot (101.6/304.8mm) or greater: apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. For low slopes (1" per foot (101.6/304.8mm) to a minimum of 2" per foot (50.8/304.8mm)), use two piles of underlayment overlapped a minimum of 18". Fasteners shall be of sufficient length and holding power for securing material as required by the application instructions printed on shingle wrapper.

For areas where slope is a problem, shingles shall be coated with StainGuard treatment, as manufactured by the Elk Tuccaloosa plant. Hip and ridge type to be Seal-A-Ridge with formula /FLX with StainGuard treatment.

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All

warranties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to meet Elk application requirements. In some areas, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements less than those contained in its application instructions.

For specifications in CSI format, call 800.354.SPEC (7732) or e-mail specinfo@elkcorp.com.

SOUTHEAST &  
ATLANTIC OFFICE:  
800.945.5551

CORPORATE HEADQUARTERS:  
800.354.7732

PLANT LOCATION:  
800.945.5545

**ELK**

www.elkcorp.com

55-JCT 01.02



# Residential System Sizing Calculation

## Summary

Dannecker Res.  
255 SW Aviation Drive  
Lake City, FL 32024-

Project Title:  
William & Jean Dannecker

Code Only  
Professional Version  
Climate: North

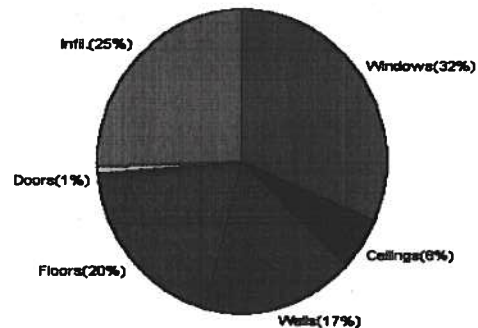
10/25/2006

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
<b>Total heating load calculation</b>	<b>66849 Btuh</b>	<b>Total cooling load calculation</b>	<b>71770 Btuh</b>
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	119.7 80000	Sensible (SHR = 0.75)	104.8 60000
Heat Pump + Auxiliary(0.0kW)	119.7 80000	Latent	137.9 20000
		Total (Electric Heat Pump)	111.5 80000

## WINTER CALCULATIONS

Winter Heating Load (for 3121 sqft)

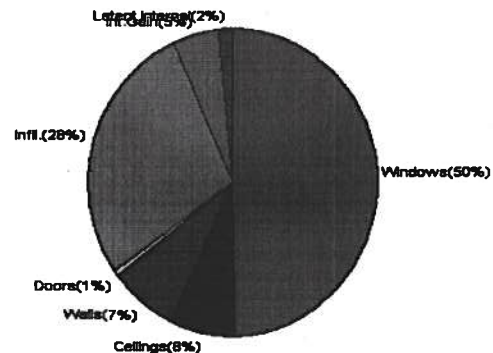
Load component		Load	
Window total	449 sqft	21113	Btuh
Wall total	2501 sqft	11376	Btuh
Door total	40 sqft	518	Btuh
Ceiling total	3300 sqft	3889	Btuh
Floor total	300 sqft	13098	Btuh
Infiltration	416 cfm	16856	Btuh
Duct loss		0	Btuh
<b>Subtotal</b>		<b>66849</b>	<b>Btuh</b>
Ventilation	0 cfm	0	Btuh
<b>TOTAL HEAT LOSS</b>		<b>66849</b>	<b>Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 3121 sqft)

Load component		Load	
Window total	449 sqft	35540	Btuh
Wall total	2501 sqft	5309	Btuh
Door total	40 sqft	392	Btuh
Ceiling total	3300 sqft	5465	Btuh
Floor total		0	Btuh
Infiltration	364 cfm	6777	Btuh
Internal gain		3780	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
<b>Total sensible gain</b>		<b>57263</b>	<b>Btuh</b>
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		13307	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
<b>Total latent gain</b>		<b>14507</b>	<b>Btuh</b>
<b>TOTAL HEAT GAIN</b>		<b>71770</b>	<b>Btuh</b>



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *John T. [Signature]*

DATE: 10-24-06

# System Sizing Calculations - Winter

## Residential Load - Whole House Component Details

Dannecker Res.  
255 SW Aviation Drive  
Lake City, FL 32024-

Project Title:  
William & Jean Dannecker

Code Only  
Professional Version  
Climate: North

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

10/25/2006

### Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	1, Clear, Metal, 1.27	W	75.0		47.0	3524 Btuh
2	1, Clear, Metal, 1.27	N	45.0		47.0	2115 Btuh
3	1, Clear, Metal, 1.27	N	20.0		47.0	940 Btuh
4	1, Clear, Metal, 1.27	W	133.3		47.0	6264 Btuh
5	1, Clear, Metal, 1.27	W	15.0		47.0	705 Btuh
6	1, Clear, Metal, 1.27	N	20.0		47.0	940 Btuh
7	1, Clear, Metal, 1.27	N	6.0		47.0	282 Btuh
8	1, Clear, Metal, 1.27	E	60.0		47.0	2819 Btuh
9	1, Clear, Metal, 1.27	S	15.0		47.0	705 Btuh
10	1, Clear, Metal, 1.27	E	9.0		47.0	423 Btuh
11	1, Clear, Metal, 1.27	S	16.0		47.0	752 Btuh
12	1, Clear, Metal, 1.27	S	20.0		47.0	940 Btuh
13	1, Clear, Metal, 1.27	S	15.0		47.0	705 Btuh
Window Total			449(sqft)			21113 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Concrete Blk, - Ext(0.13)	5.0	2141		4.8	10194 Btuh
2	Frame - Wood - Adj(0.09)	13.0	360		3.3	1182 Btuh
Wall Total			2501			11376 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
Door Total			40			518Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	3300		1.2	3889 Btuh
Ceiling Total			3300			3889Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	300.0 ft(p)		43.7	13098 Btuh
Floor Total			300			13098 Btuh
Zone Envelope Subtotal:						49993 Btuh
Infiltration	Type	ACH X	Zone Volume		CFM=	Load
	Natural	0.80	31210		416.1	16856 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					66849 Btuh



# Manual J Winter Calculations

## Residential Load - Component Details (continued)

Dannecker Res.  
255 SW Aviation Drive  
Lake City, FL 32024-

Project Title:  
William & Jean Dannecker

Code Only  
Professional Version  
Climate: North

10/25/2006

### WHOLE HOUSE TOTALS

	Subtotal Sensible	66849 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	66849 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

Dannecker Res.  
255 SW Aviation Drive  
Lake City, FL 32024-

Project Title:  
William & Jean Dannecker

Code Only  
Professional Version  
Climate: North

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

10/25/2006

### Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	1, Clear, Metal, 1.27	W	75.0		47.0	3524 Btuh
2	1, Clear, Metal, 1.27	N	45.0		47.0	2115 Btuh
3	1, Clear, Metal, 1.27	N	20.0		47.0	940 Btuh
4	1, Clear, Metal, 1.27	W	133.3		47.0	6264 Btuh
5	1, Clear, Metal, 1.27	W	15.0		47.0	705 Btuh
6	1, Clear, Metal, 1.27	N	20.0		47.0	940 Btuh
7	1, Clear, Metal, 1.27	N	6.0		47.0	282 Btuh
8	1, Clear, Metal, 1.27	E	60.0		47.0	2819 Btuh
9	1, Clear, Metal, 1.27	S	15.0		47.0	705 Btuh
10	1, Clear, Metal, 1.27	E	9.0		47.0	423 Btuh
11	1, Clear, Metal, 1.27	S	16.0		47.0	752 Btuh
12	1, Clear, Metal, 1.27	S	20.0		47.0	940 Btuh
13	1, Clear, Metal, 1.27	S	15.0		47.0	705 Btuh
Window Total			449(sqft)			21113 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Concrete Blk, - Ext(0.13)	5.0	2141		4.8	10194 Btuh
2	Frame - Wood - Adj(0.09)	13.0	360		3.3	1182 Btuh
Wall Total			2501			11376 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
Door Total			40			518 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	3300		1.2	3889 Btuh
Ceiling Total			3300			3889 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	300.0 ft(p)		43.7	13098 Btuh
Floor Total			300			13098 Btuh
Zone Envelope Subtotal:						49993 Btuh
Infiltration	Type	ACH	X	Zone Volume	CFM=	Load
	Natural	0.80		31210	416.1	16856 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					66849 Btuh

# Manual J Winter Calculations

## Residential Load - Component Details (continued)

Dannecker Res.  
255 SW Aviation Drive  
Lake City, FL 32024-

Project Title:  
William & Jean Dannecker

Code Only  
Professional Version  
Climate: North

10/25/2006

### WHOLE HOUSE TOTALS

	Subtotal Sensible	66849 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	66849 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

Dannecker Res.  
255 SW Aviation Drive  
Lake City, FL 32024-

Project Title:  
William & Jean Dannecker

Code Only  
Professional Version  
Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

10/25/2006

### Component Loads for Whole House

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Omt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, None,N,N	W	1.5ft	10ft.	75.0	0.0	75.0	37	94	7053	Btuh
2	1, Clear, 1.27, None,N,N	N	1.5ft	10ft.	45.0	0.0	45.0	37	37	1685	Btuh
3	1, Clear, 1.27, None,N,N	N	8ft.	10ft.	20.0	0.0	20.0	37	37	749	Btuh
4	1, Clear, 1.27, None,N,N	W	9.5ft	10ft.	133.3	91.0	42.3	37	94	7386	Btuh
5	1, Clear, 1.27, None,N,N	W	9.5ft	10ft.	15.0	8.7	6.3	37	94	921	Btuh
6	1, Clear, 1.27, None,N,N	N	9.5ft	10ft.	20.0	0.0	20.0	37	37	749	Btuh
7	1, Clear, 1.27, None,N,N	N	9.5ft	10ft.	6.0	0.0	6.0	37	37	225	Btuh
8	1, Clear, 1.27, None,N,N	E	9.5ft	10ft.	60.0	34.6	25.4	37	94	3684	Btuh
9	1, Clear, 1.27, None,N,N	S	9.5ft	10ft.	15.0	15.0	0.0	37	43	562	Btuh
10	1, Clear, 1.27, None,N,N	E	1.5ft	10ft.	9.0	0.0	9.0	37	94	846	Btuh
11	1, Clear, 1.27, None,N,N	S	1.5ft	10ft.	16.0	14.0	2.0	37	43	609	Btuh
12	1, Clear, 1.27, None,N,N	S	1.5ft	10ft.	20.0	18.0	2.0	37	43	759	Btuh
13	1, Clear, 1.27, None,N,N	S	1.5ft	10ft.	15.0	13.5	1.5	37	43	569	Btuh
Excursion										9741	Btuh
Window Total					449 (sqft)					35540 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)		HTM		Load		
1	Concrete Blk, - Ext	5.0/0.13			2140.7		2.2		4766 Btuh		
2	Frame - Wood - Adj	13.0/0.09			360.0		1.5		543 Btuh		
Wall Total					2501 (sqft)				5309 Btuh		
Doors	Type				Area (sqft)		HTM		Load		
1	Insulated - Adjacent				20.0		9.8		196 Btuh		
2	Insulated - Exterior				20.0		9.8		196 Btuh		
Door Total					40 (sqft)				392 Btuh		
Ceilings	Type/Color/Surface	R-Value			Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle	30.0			3300.0		1.7		5465 Btuh		
Ceiling Total					3300 (sqft)				5465 Btuh		
Floors	Type	R-Value			Size		HTM		Load		
1	Slab On Grade	0.0			300 (ft(p))		0.0		0 Btuh		
Floor Total					300.0 (sqft)				0 Btuh		
Zone Envelope Subtotal:										46706 Btuh	
Infiltration	Type	ACH			Volume(cuft)		CFM=		Load		
SensibleNatural		0.70			31210		364.1		6777 Btuh		
Internal gain	Occupants			Btuh/occupant		Appliance		Load			
		6			X 230 +		2400		3780 Btuh		
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
Sensible Zone Load										57263 Btuh	



# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Dannecker Res.  
255 SW Aviation Drive  
Lake City, FL 32024-

Project Title:  
William & Jean Dannecker

Code Only  
Professional Version  
Climate: North

10/25/2006

### WHOLE HOUSE TOTALS

<b>Whole House Totals for Cooling</b>	<b>Sensible Envelope Load All Zones</b>	<b>57263 Btuh</b>
	Sensible Duct Load	0 Btuh
	<b>Total Sensible Zone Loads</b>	<b>57263 Btuh</b>
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	<b>Total sensible gain</b>	<b>57263 Btuh</b>
	Latent infiltration gain (for 54 gr. humidity difference)	13307 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
	<b>Latent total gain</b>	<b>14507 Btuh</b>
	<b>TOTAL GAIN</b>	<b>71770 Btuh</b>

\*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))  
(Omt - compass orientation)



For Florida residences only

# System Sizing Calculations - Summer

## Residential Load - Room by Room Component Details

Dannecker Res.  
255 SW Aviation Drive  
Lake City, FL 32024-

Project Title:  
William & Jean Dannecker

Code Only  
Professional Version  
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

10/25/2006

### Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Omt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, None,N,N	W	1.5ft	10ft.	75.0	0.0	75.0	37	94	7053	Btuh
2	1, Clear, 1.27, None,N,N	N	1.5ft	10ft.	45.0	0.0	45.0	37	37	1685	Btuh
3	1, Clear, 1.27, None,N,N	N	8ft.	10ft.	20.0	0.0	20.0	37	37	749	Btuh
4	1, Clear, 1.27, None,N,N	W	9.5ft	10ft.	133.3	91.0	42.3	37	94	7386	Btuh
5	1, Clear, 1.27, None,N,N	W	9.5ft	10ft.	15.0	8.7	6.3	37	94	921	Btuh
6	1, Clear, 1.27, None,N,N	N	9.5ft	10ft.	20.0	0.0	20.0	37	37	749	Btuh
7	1, Clear, 1.27, None,N,N	N	9.5ft	10ft.	6.0	0.0	6.0	37	37	225	Btuh
8	1, Clear, 1.27, None,N,N	E	9.5ft	10ft.	60.0	34.6	25.4	37	94	3684	Btuh
9	1, Clear, 1.27, None,N,N	S	9.5ft	10ft.	15.0	15.0	0.0	37	43	562	Btuh
10	1, Clear, 1.27, None,N,N	E	1.5ft	10ft.	9.0	0.0	9.0	37	94	846	Btuh
11	1, Clear, 1.27, None,N,N	S	1.5ft	10ft.	16.0	14.0	2.0	37	43	609	Btuh
12	1, Clear, 1.27, None,N,N	S	1.5ft	10ft.	20.0	18.0	2.0	37	43	759	Btuh
13	1, Clear, 1.27, None,N,N	S	1.5ft	10ft.	15.0	13.5	1.5	37	43	569	Btuh
	Excursion									9741	Btuh
	Window Total				449 (sqft)					35540 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
1	Concrete Blk, - Ext		5.0/0.13		2140.7			2.2		4766 Btuh	
2	Frame - Wood - Adj		13.0/0.09		360.0			1.5		543 Btuh	
	Wall Total				2501 (sqft)					5309 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Adjacent				20.0			9.8		196 Btuh	
2	Insulated - Exterior				20.0			9.8		196 Btuh	
	Door Total				40 (sqft)					392 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle		30.0		3300.0			1.7		5465 Btuh	
	Ceiling Total				3300 (sqft)					5465 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
1	Slab On Grade		0.0		300 (ft(p))			0.0		0 Btuh	
	Floor Total				300.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									46706 Btuh	
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load	
	SensibleNatural		0.70		31210			364.1		6777 Btuh	
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			6		X 230 +			2400		3780 Btuh	
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)									DGM = 0.00	
	Sensible Zone Load									57263 Btuh	

# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Dannecker Res.  
255 SW Aviation Drive  
Lake City, FL 32024-

Project Title:  
William & Jean Dannecker

Code Only  
Professional Version  
Climate: North

10/25/2006

### WHOLE HOUSE TOTALS

<b>Whole House Totals for Cooling</b>	<b>Sensible Envelope Load All Zones</b>	<b>57263 Btuh</b>
	Sensible Duct Load	0 Btuh
	<b>Total Sensible Zone Loads</b>	<b>57263 Btuh</b>
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	<b>Total sensible gain</b>	<b>57263 Btuh</b>
	Latent infiltration gain (for 54 gr. humidity difference)	13307 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
	<b>Latent total gain</b>	<b>14507 Btuh</b>
	<b>TOTAL GAIN</b>	<b>71770 Btuh</b>

\*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))

(Omt - compass orientation)



For Florida residences only

# Residential Window Diversity

## MidSummer

Dannecker Res.  
255 SW Aviation Drive  
Lake City, FL 32024-

Project Title:  
William & Jean Dannecker

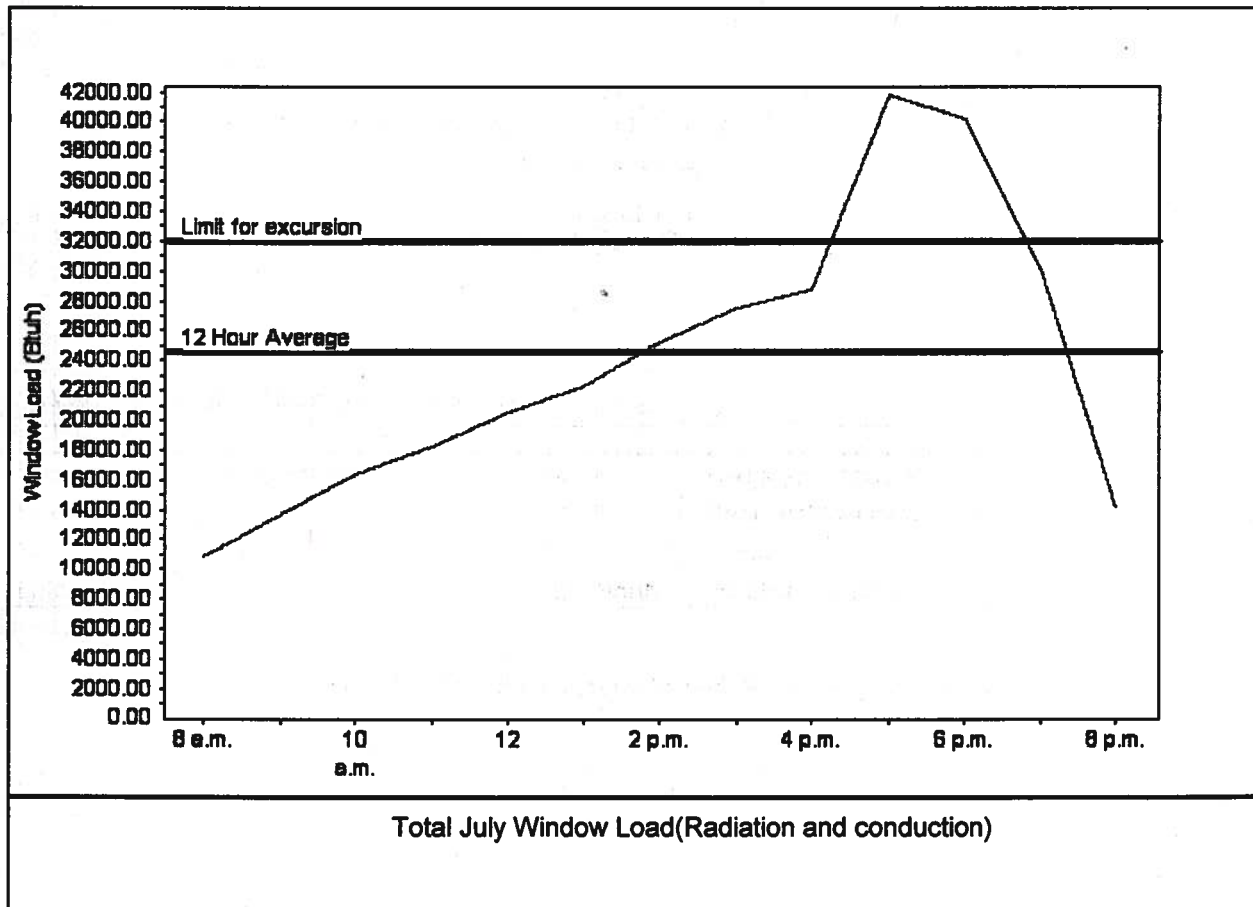
Code Only  
Professional Version  
Climate: North

10/25/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	24624 Btu
Summer setpoint	75 F	Peak window load for July	41753 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	32011 Btu
Latitude	29 North	Window excursion (July)	9741 Btu

### WINDOW Average and Peak Loads



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: \_\_\_\_\_





# COLUMBIA COUNTY OFFICE OF ALTERNATE

## 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 22-5S-17-09322-012

Building permit No. 000026178

Use Classification SFD/UTILITY

Fire: 0.00

Permit Holder JERRY CASTAGNA

Waste:           

Owner of Building WILLIAM DANNECKER

Total: 0.00

Location: 355 SW AVIATION DR., LAKE CITY, FL

Date: 12/16/2008

*Jerry Dicks*

Building Inspector

POST IN A CONSPICUOUS PLACE  
(Business Places Only)



