

DATE 03/18/2008

Columbia County Building Permit
This Permit Must Be Prominently Posted on Premises During Construction**PERMIT**
000026860

APPLICANT WADE WILLIS PHONE 623-3331
ADDRESS P BOX 1546 LAKE CITY FL 32056
OWNER MICHAEL & STEPHANIE FOREMAN PHONE 961-9962
ADDRESS 322 NW COUNTRY LAKE DR LAKE CITY FL 32056
CONTRACTOR WADE WILLIS PHONE 623-3331

LOCATION OF PROPERTY 90 W, R LAKE JEFFEREY, L SCENIC LAE DR, R COUNTRY LAKE GLN,
LOR ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 244050.00

HEATED FLOOR AREA 3263.00 TOTAL AREA 4881.00 HEIGHT 27.60 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 35

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

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

PARCEL ID 22-3S-16-02268-142 SUBDIVISION COUNTRY LAKES @ WOODBOROUGH

LOT 42 BLOCK PHASE 2 UNIT TOTAL ACRES 1.51

000001575 CCB1252491

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT 08-0212 BK JH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: MINIMUM FLOOR ELEVATION SET @ 143.0 FT, NEED ELEVATION CONFIRMATION

NOC ON FILE

Check # or Cash 2036

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 \$ 1225.00 CERTIFICATION FEE \$ 24.41 SURCHARGE FEE \$ 24.41
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 **TOTAL FEE 1373.82**
INSPECTORS OFFICE CLERKS OFFICE

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

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

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

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

Columbia County Building Permit Application

For Office Use Only Application # 6803-28 Date Received 3/11/08 By LH Permit # 1575/26860
 Zoning Official BZK Date 7.03.08 Flood Zone XPS plat FEMA Map # N/A Zoning RSF-2
 Land Use RES. 2nd Elevation N/A MFE 143.0 River N/A Plans Examiner OKM Date 3-14-08

Comments _____
☒ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Authorization from Contractor
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. 08-0212 Fax 386-961-9963
 Name Authorized Person Signing Permit Wade Willis Phone 623-3331
 Address PO Box 1546 Lake City FL 32056
 Owners Name Michael and Stephanie Foorman Phone _____
 911 Address 322 NW Country Lake Dr LC FL 32055
 Contractors Name Wade Willis Phone 386-961-9962
 Address PO Box 1546 Lake City FL 32056

Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address Mark Disosway
 Mortgage Lenders Name & Address _____

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

Property ID Number 22-35-16-02268-142 Estimated Cost of Construction \$290,000.00
 Subdivision Name Country Lakes at Woodborough Lot 42 Block _____ Unit _____ Phase 2
 Driving Directions Highway 90 west, TR on Lake Jeffrey Road, TL on Sevin Lake Drive, TR on Country Lake Glen, Lot on Right

Number of Existing Dwellings on Property 0
 Construction of SFD Total Acreage 1.51 Lot Size 1.51
 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 27.6
 Actual Distance of Structure from Property Lines - Front 105 Side 52 Side 64 Rear 175
 Number of Stories 1 Heated Floor Area 3263 Total Floor Area 4881 Roof Pitch 8/12 12/12

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

**Columbia County Building Department
Culvert Permit**

Culvert Permit No.
000001575

DATE 03/18/2008 PARCEL ID # 22-3S-16-02268-142
APPLICANT WADE WILLIS PHONE 63-3331
ADDRESS PO BOX 1546 LAKE CITY FL 32056
OWNER MICHAEL & STEPHANIE FOREMAN PHONE _____
ADDRESS 322 NW COUNTY LAKE DR LAKE CITY FL 32055
CONTRACTOR WADE WILLIS PHONE 386-961-9962
LOCATION OF PROPERTY 90 W, R LAKE JEFFEREY RD, L SSCENIC LAKE DR, R COUNTRY LAKE GLN,
LOT ON RIGHT _____

SUBDIVISION/LOT/BLOCK/PHASE/UNIT COUNTRY LAKES @ WOOD 42 2

SIGNATURE



INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

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



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

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

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

Amount Paid 25.00



NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 22-35-16-02268-142

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

1. Description of property (legal description): Lot 42 Country Lakes at Woodborough Phase 2
a) Street (job) Address: 322 NW Country Lakes Glen 32055
2. General description of improvements: _____

3. Owner Information

- a) Name and address: Michael C. Foreman PO Box 2582 Lake City FL 32056
b) Name and address of fee simple titleholder (if other than owner) _____
c) Interest in property Owner

4. Contractor Information

- a) Name and address: Wade Willis PO Box 1546 Lake City FL 32056
b) Telephone No.: 623-3331 Fax No. (Opt.): 961-9963

5. Surety Information

- a) Name and address: _____
b) Amount of Bond: _____
c) Telephone No.: _____

6. Lender

- a) Name and address: _____
b) Phone No.: _____

Inst:200812005364 Date:3/18/2008 Time:3:42 PM
19 DC, P. DeWitt Cason, Columbia County Page 1 of 1

7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:

- a) Name and address: _____
b) Telephone No.: _____ Fax No. (Opt.): _____

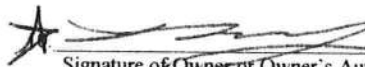
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b). Florida Statutes:

- a) Name and address: _____
b) Telephone No.: _____ Fax No. (Opt.): _____

9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

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

STATE OF FLORIDA
COUNTY OF COLUMBIA


Signature of Owner or Owner's Authorized Office/Director/Partner/Manager
Michael C. Foreman
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 18th day of March, 20 08, by:
Michael Foreman as _____ (type of authority, e.g. officer, trustee, attorney
fact) for _____ (name of party on behalf of whom instrument was executed).

Personally Known ☒ OR Produced Identification _____ Type _____

Notary Signature Jennifer L. Beatrice Notary Stamp or Seal:



JENNIFER L. BEATRICE
MY COMMISSION # DD 713801
EXPIRES: October 18, 2011
Bonded Thru Budget Notary Services

-AND-

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

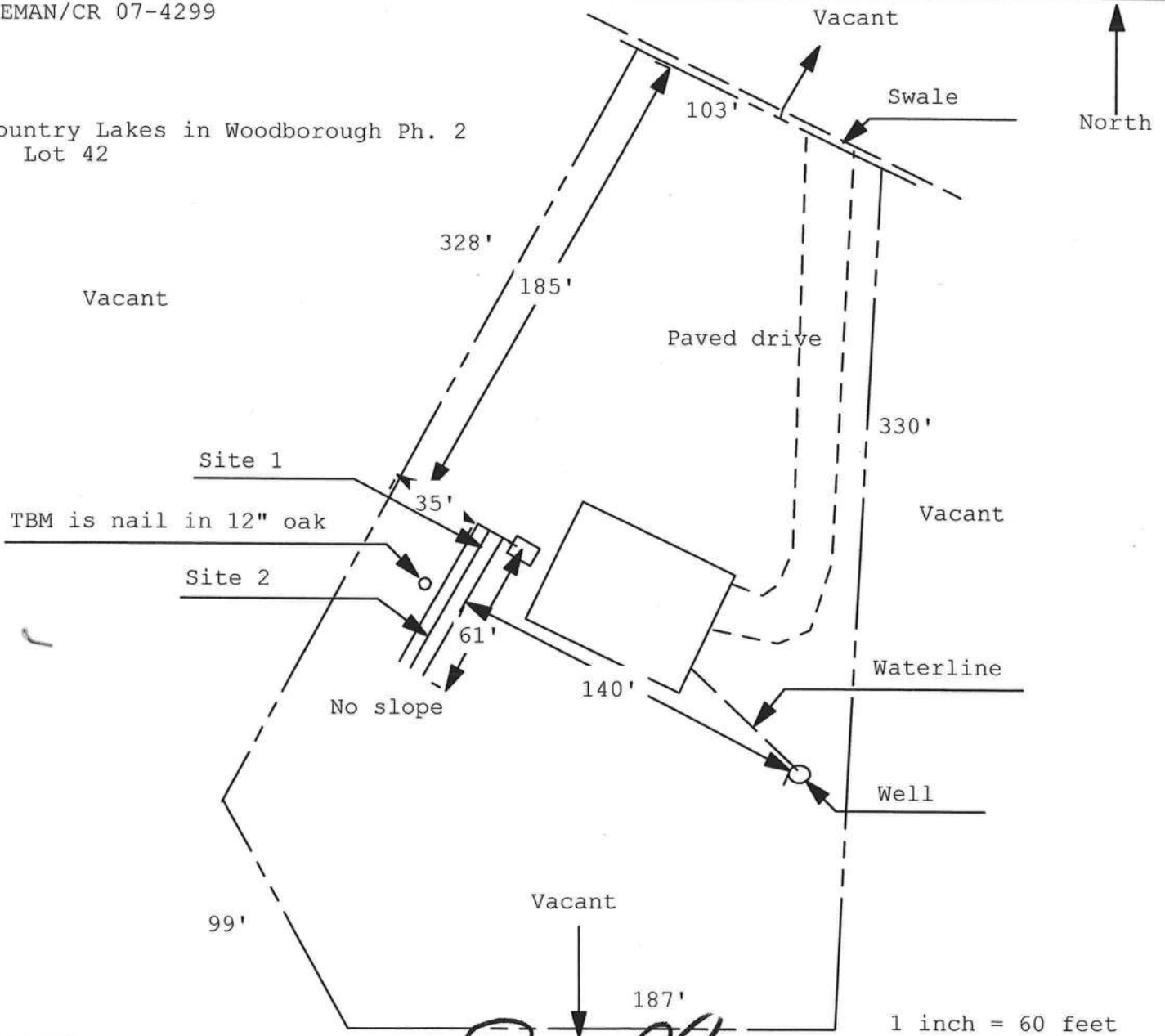

Signature of Natural Person Signing (in line #10 above.)

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 08-0212

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

FOREMAN/CR 07-4299

Country Lakes in Woodborough Ph. 2
Lot 42



Site Plan Submitted By Paul Lloyd Date 2/21/08
Plan Approved ☒ Not Approved ☐ Date 3/10/08

By Mr. A. Dur Columbia CPHU

Notes: _____

26860



Donald F. Lee & Associates, Inc.
Surveyors & Engineers

140 NW Ridgewood Avenue
Lake City, Florida 32055
(386) 755-6166
Fax (386) 755-6167
donald@dfla.com

Wednesday, April 02, 2008

FROM: Tim Delbene, P.L.S.

TO: Columbia County Building & Zoning Dept.

CC: Wade Willis Construction

RE: Floor Elevation Check – Lot 42 – Country Lake at Woodborough Phase 2

We have obtained elevations on the floor (stemwall) of a foundation under construction on the above referenced Lot. The elevations are based on Local Benchmark Datum. The results are as follows:

Finished Floor Elevation: 144.14'

The minimum required floor elevation for this Lot is 143.0', as shown on the record subdivision plat of Country Lake at Woodborough Phase 2 .

SIGNED: _____

Timothy A. Delbene, P.L.S.
Florida Reg. Cert. No. 5594

DATE: 4/2/2008.

Prepared by and return to:
 Joel Fletcher Foreman
 Attorney at Law
 Foreman & Olivera, P.A.
 492 W. Duval Street
 Lake City, FL 32055
 386-763-8430
 File Number: 161003

Inst:20081202498 Date:2/7/2008 Time:4:18 PM
 Doc Stamp-Deed:466.00
 JCF-DC, P. DeWitt Cason, Columbia County Page 1 of 2

[Space Above This Line For Recording Data]

Warranty Deed

This Warranty Deed made this 6th day of February, 2008 between MS, DM & BL, LLC, a Florida Limited Liability Company whose post office address is 3101 W. US HWY 90, Suite 101, Lake City, FL 32055, grantor, and Michael C. Foreman and Stephanie W. Foreman, husband and wife whose post office address is PO Box 2589, Lake City, FL 32056-0558, grantees:

(Whoever used herein the terms "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, trusts and estates)

Witnesseth, that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other good and valuable considerations to said grantor in hand paid by said grantees, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantees, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida to-wit:

Lot 42, Country Lake in Woodborough, Phase 2, according to the Plat thereof, recorded in Plat Book 9, Pages 57-58, of the Public Records of Columbia County, Florida.

Parcel Identification Number:

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 grantees that the grantor is lawfully seised 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; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2007.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Witness Name: Stephanie W. Foreman

Witness Name: Michael C. Foreman

MS, DM & BL, LLC, a Florida Limited Liability Company

By: Deborah S. Mylon
 Deborah S. Mylon, Member-Manager

(Corporate Seal)

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 5th day of February, 2008 by Deborah S. Mylen, Member-Manager of MS, DM & BL, LLC, a Florida Limited Liability Company, on behalf of the corporation. She ☐ is personally known to me or ☒ has produced a driver's license as identification.

[Notary Seal]

Jennifer L. Beatrice
Notary Public

Printed Name: Jennifer L. Beatrice

My Commission Expires:



COLUMBIA COUNTY 9-1-1 ADDRESSING / GIS DEPARTMENT

P. O. Box 1787, Lake City, FL 32056-1787
Telephone: (386) 758-1125 * Fax: (386) 758-1365 * E-mail: ron_croft@columbiacountyfla.com

ADDRESS ASSIGNMENT DATA

The Columbia County Board of County Commissioners has passed Ordinance 2001-9, which provides for a uniform numbering system. A copy of this ordinance is available in the Clerk of Court records, located in the courthouse. This new numbering system will increase the efficiency of POLICE, FIRE AND EMERGENCY MEDICAL vehicles responding to calls within Columbia County by immediately identifying the location of the caller.

Residential or Other Structure on Parcel Number:

22-3S-16-02267-142 (LOT 42 COUNTRY LAKE IN WOODBOROUGH, PH 2)

Address Assignments:

322 NW COUNTRY LAKE DR, LAKE CITY, FL, 32055

Any questions concerning this information should be referred to the Columbia County 9-1-1 Addressing / GIS Department at the address or telephone number above.

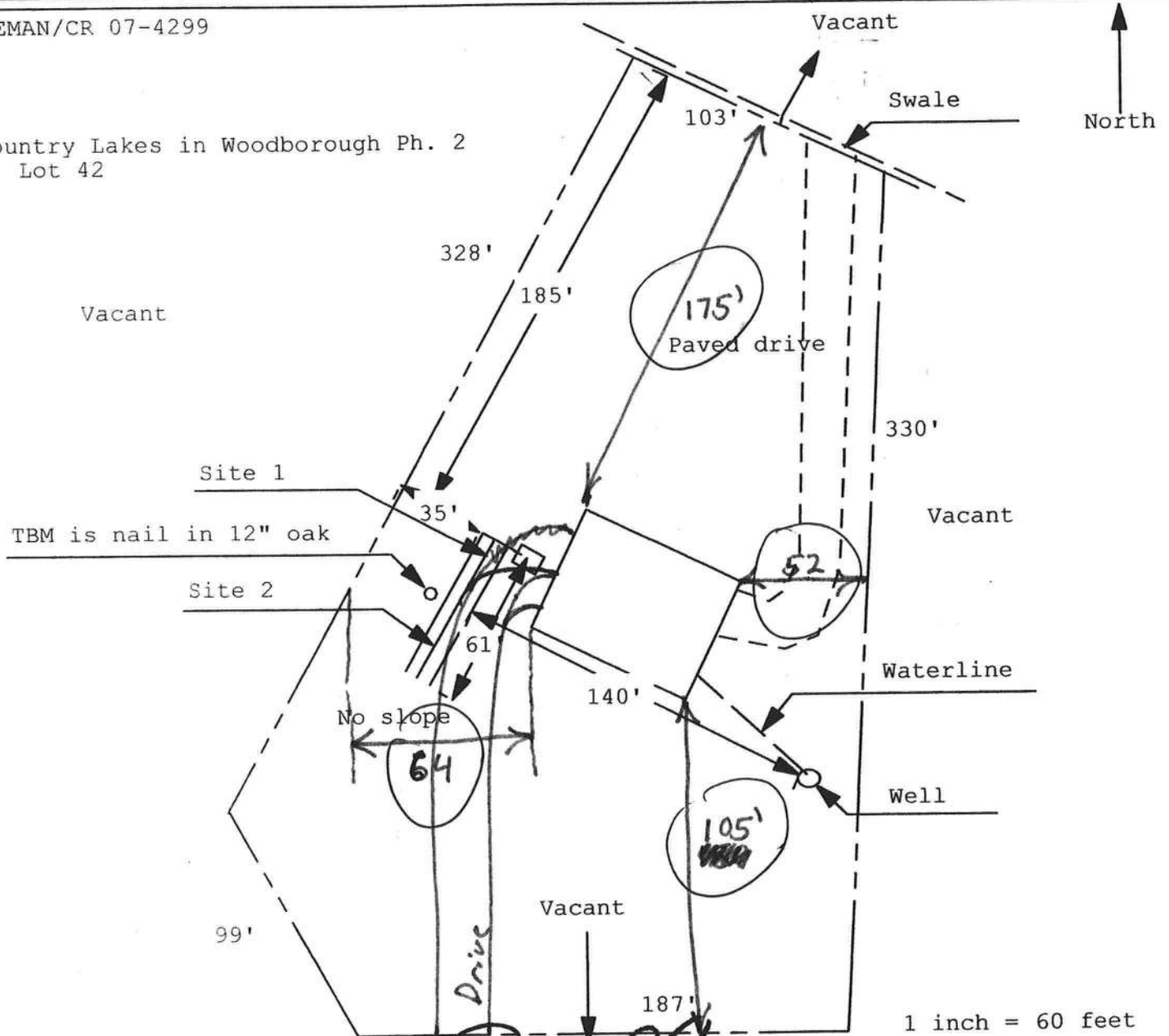
Site Plan

Application for Onsite Sewage Disposal System
Instruction Permit. Part II Site Plan
Permit Application Number: _____

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

FOREMAN/CR 07-4299

Country Lakes in Woodborough Ph. 2
Lot 42



Site Plan Submitted By _____ Date _____
Plan Approved _____ Not Approved _____ Date _____

By _____ CPHU

Notes: _____

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (804) 762-1854
FAX (804) 765-7022
XXXXXXXXXXXXXXXXXXXXX
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

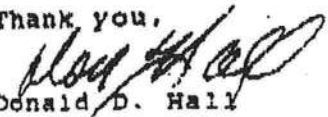
June 12, 2002

NOTICE TO ALL CONTRACTORS

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

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

Thank you,


Donald D. Hall
DDH/jk

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: 801044WadeWillisConstruction
Address: Lot: 42, Sub: Woodborough, Plat:
City, State: Lake City, FL
Owner: Foreman, Michael & Stephanie Residence
Climate Zone: North

Builder: Wade Willis
Permitting Office: Columbia Co.
Permit Number: 26820
Jurisdiction Number: 221000

- | | | | | | |
|---|--------------------------------|-----|--|-------------------|-----|
| 1. New construction or existing | New | ___ | 12. Cooling systems | | |
| 2. Single family or multi-family | Single family | ___ | a. Central Unit | Cap: 64.0 kBtu/hr | ___ |
| 3. Number of units, if multi-family | 1 | ___ | | SEER: 13.00 | ___ |
| 4. Number of Bedrooms | 4 | ___ | b. N/A | | ___ |
| 5. Is this a worst case? | No | ___ | c. N/A | | ___ |
| 6. Conditioned floor area (ft ²) | 3732 ft ² | ___ | | | ___ |
| 7. Glass type ¹ 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: 64.0 kBtu/hr | ___ |
| (or Single or Double DEFAULT) 7a. (Dble Default) | 484.0 ft ² | ___ | | HSPF: 7.90 | ___ |
| b. SHGC: | | ___ | b. N/A | | ___ |
| (or Clear or Tint DEFAULT) 7b. (Clear) | 484.0 ft ² | ___ | c. N/A | | ___ |
| 8. Floor types | | ___ | | | ___ |
| a. Slab-On-Grade Edge Insulation | R=0.0, 280.0(p) ft | ___ | 14. Hot water systems | | |
| b. Raised Wood. Adjacent | R=19.0, 469.0ft ² | ___ | a. Electric Resistance | Cap: 40.0 gallons | ___ |
| c. N/A | | ___ | | EF: 0.93 | ___ |
| 9. Wall types | | ___ | b. N/A | | ___ |
| a. Frame, Wood, Exterior | R=13.0, 1484.0 ft ² | ___ | c. Conservation credits | | ___ |
| b. Frame, Wood, Adjacent | R=13.0, 241.0 ft ² | ___ | (HR-Heat recovery, Solar | | ___ |
| c. N/A | | ___ | DHP-Dedicated heat pump) | | ___ |
| d. N/A | | ___ | 15. HVAC credits | | ___ |
| e. N/A | | ___ | (CF-Ceiling fan, CV-Cross ventilation, | | ___ |
| 10. Ceiling types | | ___ | HF-Whole house fan, | | ___ |
| a. Under Attic | R=30.0, 4072.0 ft ² | ___ | PT-Programmable Thermostat, | | ___ |
| b. N/A | | ___ | MZ-C-Multizone cooling, | | ___ |
| c. N/A | | ___ | MZ-H-Multizone heating) | | ___ |
| 11. Ducts | | ___ | | | ___ |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 270.0 ft | ___ | | | ___ |
| b. N/A | | ___ | | | ___ |

Glass/Floor Area: 0.13

Total as-built points: 39884

Total base points: 46311

PASS

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

PREPARED BY: 43DATE: 3-10-08

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 42, Sub: Woodborough, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	3732.0	20.04	13462.1	Double, Clear	N	1.5	7.0	12.0	19.20	0.96	220.0
				Double, Clear	N	1.5	7.0	16.0	19.20	0.96	293.4
				Double, Clear	NE	8.0	8.0	20.0	29.56	0.59	346.0
				Double, Clear	N	10.0	9.7	80.0	19.20	0.71	1083.6
				Double, Clear	W	99.0	8.0	20.0	38.52	0.37	288.6
				Double, Clear	N	1.5	9.0	54.0	19.20	0.98	1011.6
				Double, Clear	W	1.5	5.0	12.0	38.52	0.88	404.7
				Double, Clear	E	1.5	5.0	32.0	42.06	0.87	1177.2
				Double, Clear	S	1.5	7.0	12.0	35.87	0.89	385.0
				Double, Clear	S	1.5	10.0	96.0	35.87	0.96	3306.0
				Double, Clear	S	6.0	12.0	24.0	35.87	0.66	568.0
				Double, Clear	S	6.0	9.0	10.0	35.87	0.59	211.7
				Double, Clear	S	6.0	3.5	18.0	35.87	0.46	296.4
				Double, Clear	S	1.5	0.0	24.0	35.87	0.43	371.8
				Double, Clear	S	1.5	2.5	9.0	35.87	0.61	198.0
				Double, Clear	W	1.5	5.5	30.0	38.52	0.90	1036.6
				Double, Clear	N	1.5	0.0	15.0	19.20	0.59	170.8
				As-Built Total:			484.0			11369.3	
WALL TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM = Points		
Adjacent	241.0	0.70	168.7			Frame, Wood, Exterior	13.0	1484.0	1.50	2226.0	
Exterior	1484.0	1.70	2522.8			Frame, Wood, Adjacent	13.0	241.0	0.60	144.6	
Base Total:		1725.0	2691.5			As-Built Total:		1725.0	2370.6		
DOOR TYPES				Area X BSPM = Points		Type	Area X SPM = Points				
Adjacent	20.0	1.60	32.0			Exterior Insulated	50.0		4.10	205.0	
Exterior	50.0	4.10	205.0			Adjacent Insulated	20.0		1.60	32.0	
Base Total:		70.0	237.0			As-Built Total:		70.0	237.0		
CEILING TYPES				Area X BSPM = Points		Type	R-Value	Area X SPM X SCM = Points			
Under Attic	3732.0	1.73	6456.4			Under Attic	30.0	4072.0	1.73 X 1.00		7044.6
Base Total:		3732.0	6456.4			As-Built Total:		4072.0	7044.6		

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 42, Sub: Woodborough, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT				
FLOOR TYPES	Area	X	BSPM = Points	Type	R-Value	Area	X	SPM = Points
Slab	280.0(p)		-37.0 -10360.0	Slab-On-Grade Edge Insulation	0.0	280.0(p)		-41.20 -11536.0
Raised	469.0		-3.99 -1871.3	Raised Wood, Adjacent	19.0	469.0		0.40 187.6
Base Total:			-12231.3	As-Built Total:			749.0	-11348.4
INFILTRATION Area X BSPM = Points				Area X SPM = Points				
	3732.0		10.21 38103.7			3732.0		10.21 38103.7
Summer Base Points: 48719.3				Summer As-Built Points: 47776.7				
Total Summer Points	X	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
48719.3		0.4266	20783.7	(sys 1: Central Unit 64000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 47777 1.00 (1.09 x 1.147 x 0.91) 0.263 1.000 14270.6 47776.7 1.00 1.138 0.263 1.000 14270.6				

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 42, Sub: Woodborough, Plat: , Lake City, FL,

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	3732.0	12.74	8558.2	Double, Clear	N	1.5	7.0	12.0	24.58	1.00	295.4
				Double, Clear	N	1.5	7.0	16.0	24.58	1.00	393.8
				Double, Clear	NE	8.0	8.0	20.0	23.57	1.04	492.2
				Double, Clear	N	10.0	9.7	80.0	24.58	1.02	2003.0
				Double, Clear	W	99.0	8.0	20.0	20.73	1.24	513.1
				Double, Clear	N	1.5	9.0	54.0	24.58	1.00	1327.8
				Double, Clear	W	1.5	5.0	12.0	20.73	1.03	257.4
				Double, Clear	E	1.5	5.0	32.0	18.79	1.05	631.4
				Double, Clear	S	1.5	7.0	12.0	13.30	1.07	171.4
				Double, Clear	S	1.5	10.0	96.0	13.30	1.01	1292.7
				Double, Clear	S	6.0	12.0	24.0	13.30	1.64	523.2
				Double, Clear	S	6.0	9.0	10.0	13.30	2.06	274.5
				Double, Clear	S	6.0	3.5	18.0	13.30	3.44	822.7
				Double, Clear	S	1.5	0.0	24.0	13.30	3.66	1168.1
				Double, Clear	S	1.5	2.5	9.0	13.30	1.90	226.9
				Double, Clear	W	1.5	5.5	30.0	20.73	1.03	639.3
				Double, Clear	N	1.5	0.0	15.0	24.58	1.03	378.7
				As-Built Total:				484.0	11411.6		
WALL TYPES				Area X BWPM = Points		Type		R-Value		Area X WPM = Points	
Adjacent	241.0	3.60	867.6	Frame, Wood, Exterior		13.0		1484.0	3.40		5045.6
Exterior	1484.0	3.70	5490.8	Frame, Wood, Adjacent		13.0		241.0	3.30		795.3
Base Total:		1725.0	6358.4	As-Built Total:				1725.0	5840.9		
DOOR TYPES				Area X BWPM = Points		Type		Area X WPM = Points			
Adjacent	20.0	8.00	160.0	Exterior Insulated		50.0		8.40		420.0	
Exterior	50.0	8.40	420.0	Adjacent Insulated		20.0		8.00		160.0	
Base Total:		70.0	580.0	As-Built Total:				70.0	580.0		
CEILING TYPES				Area X BWPM = Points		Type		R-Value		Area X WPM X WCM = Points	
Under Attic	3732.0	2.05	7650.6	Under Attic		30.0		4072.0	2.05 X 1.00		8347.6
Base Total:		3732.0	7650.6	As-Built Total:				4072.0	8347.6		

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

ADDRESS: Lot: 42, Sub: Woodborough, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT				
FLOOR TYPES Area X BWPM = Points				Type	R-Value	Area X WPM = Points		
Slab	280.0(p)	8.9	2492.0	Slab-On-Grade Edge Insulation	0.0	280.0(p)	18.80	5264.0
Raised	469.0	0.96	450.2	Raised Wood, Adjacent	19.0	469.0	2.20	1031.8
Base Total:			2942.2	As-Built Total:		749.0	6295.8	
INFILTRATION Area X BWPM = Points				Area X WPM = Points				
			3732.0	-0.59	-2201.9			
Winter Base Points:			23887.6		Winter As-Built Points:			30274.0
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier = Heating Points
23887.6		0.6274	14987.1	(sys 1: Electric Heat Pump 64000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Int(AH),R6.0 30274.0 1.000 (1.069 x 1.169 x 0.93) 0.432 1.000 15187.0 30274.0 1.00 1.162 0.432 1.000 15187.0				

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 42, Sub: Woodborough, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
4		2635.00	10540.0	40.0	0.93	4		1.00	2606.67 1.00 10426.7
				As-Built Total:					10426.7

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	= Total Points	Cooling Points	+	Heating Points	= Total Points
20784		14987	10540 46311	14271		15187	10427 39884

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 42, Sub: Woodborough, Plat: , Lake City, FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.0

The higher the score, the more efficient the home.

Foreman, Michael & Stephanie Residence, Lot: 42, Sub: Woodborough, Plat: , Lake City, FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 64.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	3732 ft ²		
7. Glass type ¹ 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: 64.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 484.0 ft ²		HSPF: 7.90
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 484.0 ft ²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 280.0(p) ft	14. Hot water systems	
b. Raised Wood, Adjacent	R=19.0, 469.0ft ²	a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.93
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 1484.0 ft ²	c. Conservation credits	
b. Frame, Wood, Adjacent	R=13.0, 241.0 ft ²	(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 4072.0 ft ²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 270.0 ft		
b. N/A			

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 EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLR2PB v4.1)

Residential System Sizing Calculation

Summary

Foreman, Michael & Stephanie Residence
32 NW Country Lake Dr
Lake City, FL

Project Title:
801044WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

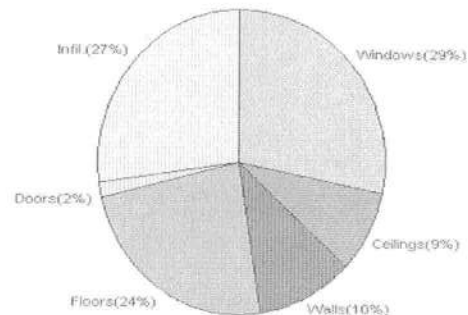
3/10/2008

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	54658 Btuh	Total cooling load calculation	42948 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	117.1 64000	Sensible (SHR = 0.75)	139.0 48000
Heat Pump + Auxiliary(0.0kW)	117.1 64000	Latent	190.0 16000
		Total (Electric Heat Pump)	149.0 64000

WINTER CALCULATIONS

Winter Heating Load (for 3732 sqft)

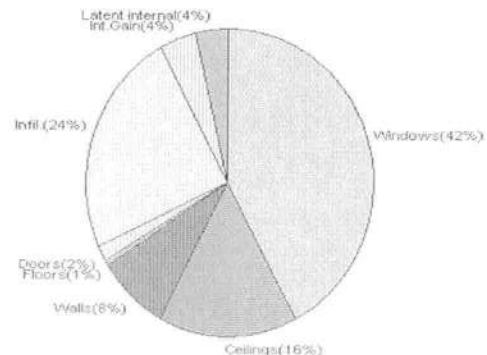
Load component		Load	
Window total	484 sqft	15580	Btuh
Wall total	1725 sqft	5665	Btuh
Door total	70 sqft	907	Btuh
Ceiling total	4072 sqft	4798	Btuh
Floor total	See detail report	13095	Btuh
Infiltration	361 cfm	14613	Btuh
Duct loss		0	Btuh
Subtotal		54658	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		54658	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 3732 sqft)

Load component		Load	
Window total	484 sqft	18045	Btuh
Wall total	1725 sqft	3459	Btuh
Door total	70 sqft	686	Btuh
Ceiling total	4072 sqft	6743	Btuh
Floor total		282	Btuh
Infiltration	187 cfm	3473	Btuh
Internal gain		1840	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		34529	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		6819	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1600	Btuh
Total latent gain		8419	Btuh
TOTAL HEAT GAIN		42948	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *[Signature]*

DATE: *3-10-08*

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Foreman, Michael & Stephanie Residence
32 NW Country Lake Dr
Lake City, FL

Project Title:
801044WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

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

3/10/2008

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	N	12.0	32.2	386 Btuh
2	2, Clear, Metal, 0.87	N	16.0	32.2	515 Btuh
3	2, Clear, Metal, 0.87	NE	20.0	32.2	644 Btuh
4	2, Clear, Metal, 0.87	N	80.0	32.2	2575 Btuh
5	2, Clear, Metal, 0.87	W	20.0	32.2	644 Btuh
6	2, Clear, Metal, 0.87	N	54.0	32.2	1738 Btuh
7	2, Clear, Metal, 0.87	W	12.0	32.2	386 Btuh
8	2, Clear, Metal, 0.87	E	32.0	32.2	1030 Btuh
9	2, Clear, Metal, 0.87	S	12.0	32.2	386 Btuh
10	2, Clear, Metal, 0.87	S	96.0	32.2	3090 Btuh
11	2, Clear, Metal, 0.87	S	24.0	32.2	773 Btuh
12	2, Clear, Metal, 0.87	S	10.0	32.2	322 Btuh
13	2, Clear, Metal, 0.87	S	18.0	32.2	579 Btuh
14	2, Clear, Metal, 0.87	S	24.0	32.2	773 Btuh
15	2, Clear, Metal, 0.87	S	9.0	32.2	290 Btuh
16	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
17	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
Window Total			484(sqft)		15580 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1484	3.3	4874 Btuh
2	Frame - Wood - Adj(0.09)	13.0	241	3.3	791 Btuh
Wall Total			1725		5665 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		50	12.9	648 Btuh
Door Total			70		907 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	4072	1.2	4798 Btuh
Ceiling Total			4072		4798 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Raised Wood - Adj	19	469.0 sqft	1.9	870 Btuh
2	Slab On Grade	0	280.0 ft(p)	43.7	12225 Btuh
Floor Total			749		13095 Btuh
Zone Envelope Subtotal:					40045 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.58	37320	360.8	14613 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				54658 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Foreman, Michael & Stephanie Residence
32 NW Country Lake Dr
Lake City, FL

Project Title:
801044WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

3/10/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	54658 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	54658 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

Foreman, Michael & Stephanie Residence
32 NW Country Lake Dr
Lake City, FL

Project Title:
801044WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

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

3/10/2008

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	N	12.0	32.2	386 Btuh
2	2, Clear, Metal, 0.87	N	16.0	32.2	515 Btuh
3	2, Clear, Metal, 0.87	NE	20.0	32.2	644 Btuh
4	2, Clear, Metal, 0.87	N	80.0	32.2	2575 Btuh
5	2, Clear, Metal, 0.87	W	20.0	32.2	644 Btuh
6	2, Clear, Metal, 0.87	N	54.0	32.2	1738 Btuh
7	2, Clear, Metal, 0.87	W	12.0	32.2	386 Btuh
8	2, Clear, Metal, 0.87	E	32.0	32.2	1030 Btuh
9	2, Clear, Metal, 0.87	S	12.0	32.2	386 Btuh
10	2, Clear, Metal, 0.87	S	96.0	32.2	3090 Btuh
11	2, Clear, Metal, 0.87	S	24.0	32.2	773 Btuh
12	2, Clear, Metal, 0.87	S	10.0	32.2	322 Btuh
13	2, Clear, Metal, 0.87	S	18.0	32.2	579 Btuh
14	2, Clear, Metal, 0.87	S	24.0	32.2	773 Btuh
15	2, Clear, Metal, 0.87	S	9.0	32.2	290 Btuh
16	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
17	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
Window Total			484(sqft)		15580 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1484	3.3	4874 Btuh
2	Frame - Wood - Adj(0.09)	13.0	241	3.3	791 Btuh
Wall Total			1725		5665 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		50	12.9	648 Btuh
Door Total			70		907 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	4072	1.2	4798 Btuh
Ceiling Total			4072		4798 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Raised Wood - Adj	19	469.0 sqft	1.9	870 Btuh
2	Slab On Grade	0	280.0 ft(p)	43.7	12225 Btuh
Floor Total			749		13095 Btuh
Zone Envelope Subtotal:					40045 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.58	37320	360.8	14613 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				54658 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Foreman, Michael & Stephanie Residence
32 NW Country Lake Dr
Lake City, FL

Project Title:
801044WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

3/10/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	54658 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	54658 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

Foreman, Michael & Stephanie Residence
32 NW Country Lake Dr
Lake City, FL

Project Title:
801044WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

3/10/2008

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load			
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded				
1	2, Clear, 0.87, None,N,N	N	1.5ft	7ft.	12.0	0.0	12.0	29	29	348	Btuh		
2	2, Clear, 0.87, None,N,N	N	1.5ft	7ft.	16.0	0.0	16.0	29	29	463	Btuh		
3	2, Clear, 0.87, None,N,N	NE	8ft.	8ft.	20.0	0.0	20.0	29	60	1201	Btuh		
4	2, Clear, 0.87, None,N,N	N	10ft.	9.66	80.0	0.0	80.0	29	29	2317	Btuh		
5	2, Clear, 0.87, None,N,N	W	99ft.	8ft.	20.0	20.0	0.0	29	80	579	Btuh		
6	2, Clear, 0.87, None,N,N	N	1.5ft	9ft.	54.0	0.0	54.0	29	29	1564	Btuh		
7	2, Clear, 0.87, None,N,N	W	1.5ft	5ft.	12.0	0.7	11.3	29	80	917	Btuh		
8	2, Clear, 0.87, None,N,N	E	1.5ft	5ft.	32.0	2.0	30.0	29	80	2445	Btuh		
9	2, Clear, 0.87, None,N,N	S	1.5ft	7ft.	12.0	12.0	0.0	29	34	348	Btuh		
10	2, Clear, 0.87, None,N,N	S	1.5ft	10ft.	96.0	90.1	5.9	29	34	2808	Btuh		
11	2, Clear, 0.87, None,N,N	S	6ft.	12ft.	24.0	24.0	0.0	29	34	695	Btuh		
12	2, Clear, 0.87, None,N,N	S	6ft.	9ft.	10.0	10.0	0.0	29	34	290	Btuh		
13	2, Clear, 0.87, None,N,N	S	6ft.	3.5ft	18.0	18.0	0.0	29	34	521	Btuh		
14	2, Clear, 0.87, None,N,N	S	1.5ft	0ft.	24.0	24.0	0.0	29	34	695	Btuh		
15	2, Clear, 0.87, None,N,N	S	1.5ft	2.5ft	9.0	9.0	0.0	29	34	261	Btuh		
16	2, Clear, 0.87, None,N,N	W	1.5ft	5.5ft	30.0	4.5	25.5	29	80	2160	Btuh		
17	2, Clear, 0.87, None,N,N	N	1.5ft	0ft.	15.0	0.0	15.0	29	29	434	Btuh		
Window Total						484 (sqft)					18045	Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load			
1	Frame - Wood - Ext	13.0/0.09			1484.0			2.1		3095		Btuh	
2	Frame - Wood - Adj	13.0/0.09			241.0			1.5		364		Btuh	
Wall Total						1725 (sqft)					3459	Btuh	
Doors	Type				Area (sqft)			HTM		Load			
1	Insulated - Adjacent				20.0			9.8		196		Btuh	
2	Insulated - Exterior				50.0			9.8		490		Btuh	
Door Total						70 (sqft)					686	Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load			
1	Vented Attic/DarkShingle	30.0			4072.0			1.7		6743		Btuh	
Ceiling Total						4072 (sqft)					6743	Btuh	
Floors	Type	R-Value			Size			HTM		Load			
1	Raised Wood - Adj	19.0			469 (sqft)			0.6		282		Btuh	
2	Slab On Grade	0.0			280 (ft(p))			0.0		0		Btuh	
Floor Total						749.0 (sqft)					282	Btuh	
	Zone Envelope Subtotal:									29216		Btuh	
Infiltration	Type	ACH			Volume(cuft)			CFM=		Load			
	SensibleNatural	0.30			37320			186.6		3473		Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load				
	8			X 230 +			0		1840			Btuh	
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)									DGM = 0.00		0.0	Btuh
	Sensible Zone Load									34529			Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Foreman, Michael & Stephanie Residence
32 NW Country Lake Dr
Lake City, FL

Project Title:
801044WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

3/10/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	34529 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	34529 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	34529 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	6819 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	8419 Btuh
	TOTAL GAIN	42948 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Foreman, Michael & Stephanie Residence
32 NW Country Lake Dr
Lake City, FL

Project Title:
801044WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

3/10/2008

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load			
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded				
1	2, Clear, 0.87, None,N,N	N	1.5ft	7ft.	12.0	0.0	12.0	29	29	348	Btuh		
2	2, Clear, 0.87, None,N,N	N	1.5ft	7ft.	16.0	0.0	16.0	29	29	463	Btuh		
3	2, Clear, 0.87, None,N,N	NE	8ft.	8ft.	20.0	0.0	20.0	29	60	1201	Btuh		
4	2, Clear, 0.87, None,N,N	N	10ft.	9.66	80.0	0.0	80.0	29	29	2317	Btuh		
5	2, Clear, 0.87, None,N,N	W	99ft.	8ft.	20.0	20.0	0.0	29	80	579	Btuh		
6	2, Clear, 0.87, None,N,N	N	1.5ft	9ft.	54.0	0.0	54.0	29	29	1564	Btuh		
7	2, Clear, 0.87, None,N,N	W	1.5ft	5ft.	12.0	0.7	11.3	29	80	917	Btuh		
8	2, Clear, 0.87, None,N,N	E	1.5ft	5ft.	32.0	2.0	30.0	29	80	2445	Btuh		
9	2, Clear, 0.87, None,N,N	S	1.5ft	7ft.	12.0	12.0	0.0	29	34	348	Btuh		
10	2, Clear, 0.87, None,N,N	S	1.5ft	10ft.	96.0	90.1	5.9	29	34	2808	Btuh		
11	2, Clear, 0.87, None,N,N	S	6ft.	12ft.	24.0	24.0	0.0	29	34	695	Btuh		
12	2, Clear, 0.87, None,N,N	S	6ft.	9ft.	10.0	10.0	0.0	29	34	290	Btuh		
13	2, Clear, 0.87, None,N,N	S	6ft.	3.5ft	18.0	18.0	0.0	29	34	521	Btuh		
14	2, Clear, 0.87, None,N,N	S	1.5ft	0ft.	24.0	24.0	0.0	29	34	695	Btuh		
15	2, Clear, 0.87, None,N,N	S	1.5ft	2.5ft	9.0	9.0	0.0	29	34	261	Btuh		
16	2, Clear, 0.87, None,N,N	W	1.5ft	5.5ft	30.0	4.5	25.5	29	80	2160	Btuh		
17	2, Clear, 0.87, None,N,N	N	1.5ft	0ft.	15.0	0.0	15.0	29	29	434	Btuh		
Window Total						484 (sqft)					18045	Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load			
1	Frame - Wood - Ext	13.0/0.09			1484.0			2.1		3095		Btuh	
2	Frame - Wood - Adj	13.0/0.09			241.0			1.5		364		Btuh	
Wall Total						1725 (sqft)					3459	Btuh	
Doors	Type				Area (sqft)			HTM		Load			
1	Insulated - Adjacent				20.0			9.8		196		Btuh	
2	Insulated - Exterior				50.0			9.8		490		Btuh	
Door Total						70 (sqft)					686	Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load			
1	Vented Attic/DarkShingle	30.0			4072.0			1.7		6743		Btuh	
Ceiling Total						4072 (sqft)					6743	Btuh	
Floors	Type	R-Value			Size			HTM		Load			
1	Raised Wood - Adj	19.0			469 (sqft)			0.6		282		Btuh	
2	Slab On Grade	0.0			280 (ft(p))			0.0		0		Btuh	
Floor Total						749.0 (sqft)					282	Btuh	
	Zone Envelope Subtotal:										29216	Btuh	
Infiltration	Type	ACH			Volume(cuft)			CFM=		Load			
	SensibleNatural	0.30			37320			186.6		3473		Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load				
	8			X 230 +			0		1840		Btuh		
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)										DGM = 0.00	0.0	Btuh
	Sensible Zone Load										34529	Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Foreman, Michael & Stephanie Residence
32 NW Country Lake Dr
Lake City, FL

Project Title:
801044WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

3/10/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	34529 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	34529 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	34529 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	6819 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	8419 Btuh
	TOTAL GAIN	42948 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Foreman, Michael & Stephanie Residence
32 NW Country Lake Dr
Lake City, FL

Project Title:
801044WadeWillisConstruction

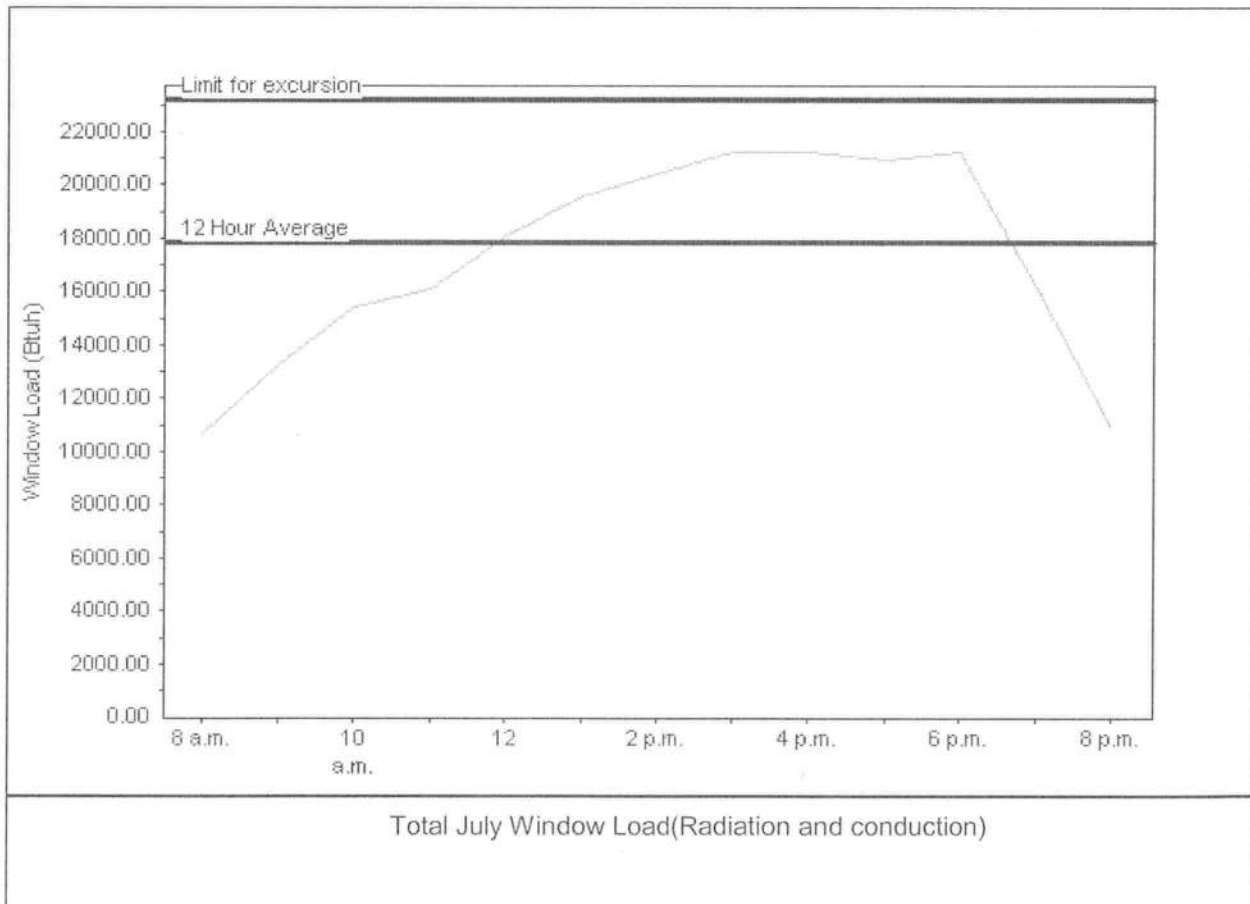
Class 3 Rating
Registration No. 0
Climate: North

3/10/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	17857 Btu
Summer setpoint	75 F	Peak window load for July	21229 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	23215 Btu
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: *[Signature]*

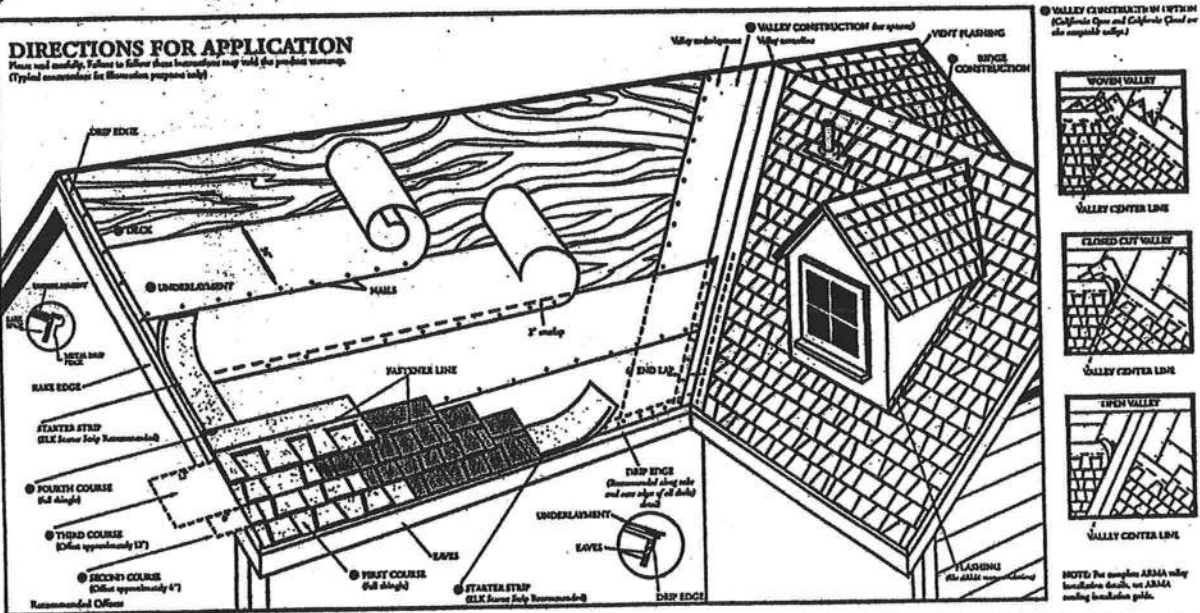
DATE: *3-10-08*



EnergyGauge® FLR2PB v4.1

DIRECTIONS FOR APPLICATION

Please read carefully. Failure to follow these instructions may void the product warranty.
(Typical construction for illustration purposes only.)



DIRECTIONS FOR APPLICATION

These application instructions are the minimum required to meet Elk's application requirements. Your failure to follow these instructions may void the product warranty. In some areas, the 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 that are less than those pointed here. Shingles should not be jammed tightly together. All edges should be properly ventilated. Note: It is not necessary to remove tape on back of shingle.

DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 6" boards or exterior grade plywood minimum 3/8" thick and conform to the specifications of the American Plywood Association or 7/16" oriented strandboard, or 7/16" chipboard.

UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt, Elk Versashield® or self-adhering underlayment is also acceptable. Cover drip edge at eaves only.

For low slope (2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 18". Begin by fastening a 19" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

EAVE FLASHING FOR ICE DAMS (ASK A ROOFING CONTRACTOR, REFER TO ARMA MANUAL OR CHECK LOCAL CODES)

For standard slope (4/12 to less than 21/12), use coated roll roofing of no less than 50 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

For low slope (2/12 up to 4/12), use a continuous layer of asphalt plastic cement between the two plies of underlayment from the eave edge up roof to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

Consult the Elk Technical Services Department for application specifications over other decks and other slopes.

STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR THE HEADLAP OF A STRIP SHINGLE WITH THE ADHESIVE STRIP POSITIONED AT THE EAVE EDGE. With at least 3" trimmed from the end of the first shingle, start at the rake edge overhanging the eave and rake edges 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side.

FIRST COURSE

Start at rake and continue course with full shingles laid flush with the starter course. Shingles may be applied with a course alignment of 45° on the roof.

SECOND COURSE

Offset the second course of shingles with respect to the first by approximately 6". Other offsets are approved if greater than 4".

THIRD COURSE

Offset the next course by 6" with respect to the second course, or consistent with the original offset.

FOURTH COURSE

Start at the rake and continue with full shingles across roof, FIFTH AND SUCCEEDING COURSES.

Repeat application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof. Offsets may be adjusted around valleys and penetrations.

VALLEY CONSTRUCTION

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures. For metal valleys, use 36" wide vertical underlayment prior to applying metal flashing (secure edge with nails). No nails are to be within 6" of valley center.

RIDGE CONSTRUCTION

For ridge construction Elk recommends Class "A" Z-Ridge or Seal-A-Ridge® with formula FLX® or RidgeCrest® with FLX (See Ridge package for installation instructions). Vented RidgeCrest or 3-tab shingles are also approved.

FASTENERS

While nailing is the preferred method for Elk shingles, Elk will accept fastening methods according to the following instructions.

Using the fastener line as a reference, nail or staple the shingle in the double thickness common bond area. For shingles without a fastener line, nails or staples must be placed between and/or in the sealant dots.

NAILS: Corrosive resistant, 3/8" head, minimum 12-gauge roofing nails. Elk recommends 1-1/4" for new roofs and 1-1/2" for re-roofs. In cases where you are applying shingles to a roof that has an exposed overhang, for new roofs only, 3/4" ring shank nails are allowed to be used from the eave's edge to a point up the roof that is past the outside wall line. 1" ring shank nails allowed for re-roof.

STAPLES: Corrosive resistant, 16-gauge minimum, crown width minimum of 15/16". Note: An improperly adjusted staple gun can result in raised staples that can cause a fish-mouthed appearance and can prevent sealing.

Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less. This product meets the requirements of the IRC 2003 code when fastened with 4 nails.

MANSARD APPLICATIONS

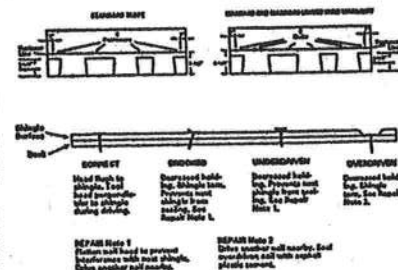
Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only fastening methods according to the above instructions are acceptable.

LIMITED WIND WARRANTY

- For a Limited Wind Warranty, all Prestique and Raised Profile™ shingles must be applied with 4 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.
- For a Limited Wind Warranty up to 110 MPH for Prestique Gallery Collection or Prestique Plus or 90 MPH for Prestique I, shingles must be applied with 6 properly placed NAILS per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY. Also, Elk Starter Strip shingles must be applied at the eaves and rake edges to qualify Prestique Plus, Prestique Gallery Collection and Prestique I shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Shingles or the Elk Starter Strip overhang the eaves or rake edge more than 3/4" of an inch.

HELP STOP BLOW-OFFS AND CALL-BACKS

A minimum of four fasteners must be driven into the DOUBLE THICKNESS (laminated) area of the shingle. Nails or staples must be placed along - and through - the "fastener line" or on products without fastener lines, nail or staple between and in line with sealant dots. CAUTION: Do not use fastener line for shingle alignment.



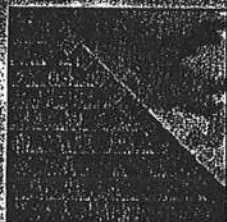
Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified. All Prestique and Raised Profile shingles have a U.L.C. Wind Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new construction.

CAUTION TO WHOLESALE: Careless and improper storage or handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

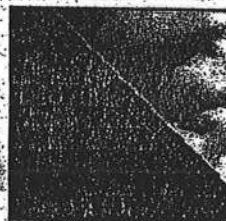
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ELK



PRESTIQUE® HIGH DEFINITION®



RAISED PROFILE®

Prestique Plus® High Definition and Prestique Gallery Collection®

Product size 13' x 38"
Exposure 5"
Pieces/Bundle 18
Bundles/Square 4/98.5 sq. ft.
Squares/Pallet 11

30-year limited warranty period:
5-7 years non-prorated coverage for
shingles and application labor with
prorated coverage for remainder of
limited warranty period, plus an
option for transferability*. 5-year
limited wind warranty*. Wind
Coverage: standard 80 mph, extended
110 mph**.

Raised Profile

Product size 13' x 38"
Exposure 5"
Pieces/Bundle 22
Bundles/Square 3/100 sq. ft.
Squares/Pallet 16

30-year limited warranty period:
5-7 years non-prorated coverage for
shingles and application labor with
prorated coverage for remainder of
limited warranty period, plus an
option for transferability*. 5-year
limited wind warranty*. Wind
Coverage: standard 70 mph.

Prestique I High Definition

Product size 13' x 38"
Exposure 5"
Pieces/Bundle 18
Bundles/Square 4/98.5 sq. ft.
Squares/Pallet 11

40-year limited warranty period:
5-7 years non-prorated coverage for
shingles and application labor with
prorated coverage for remainder of
limited warranty period, plus an
option for transferability*. 5-year
limited wind warranty*. Wind
Coverage: standard 80 mph, extended
80 mph**.

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/FLX™

Size: 12' x 12"
Exposure: 6"
Pieces/Bundle: 45
Coverage: 4 Bundles =
100 linear feet

Vented RidgeCrest™ w/FLX™

Size: 13' x 13"
Exposure: 9"
Pieces/Box: 28
Coverage: 5 boxes =
100 linear feet

Prestique High Definition

Product size 13' x 38"
Exposure 5"
Pieces/Bundle 22
Bundles/Square 3/100 sq. ft.
Squares/Pallet 16

30-year limited warranty period:
5-7 years non-prorated coverage for
shingles and application labor with
prorated coverage for remainder of
limited warranty period, plus an
option for transferability*. 5-year
limited wind warranty*. Wind
Coverage: standard 80 mph.

Elk Starter Strip

52 Bundles/Pallet
18 Pallets/Truck
936 Bundles/Truck
19 Pieces/Bundle
1 Bundle = 120.33 linear feet

Available Colors (Check Availability): Antique Slate, Weatherswood, Shakeswood, Sablewood, Hickory, Barkwood, Forest Green, Wedgewood, Birchwood, Sandalwood, Gallery Collection: Balsam Forest®, Weathered Sage®, Sierra Sunset®.

All Prestique, Raised Profile and Seal-A-Ridge, and Prestique Starter Strip roofing products contain sealant which 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.

All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 957) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3181, Type I; D 3181, Type II; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles have approval from the Florida Building Code Commission, Metro-Dade County, ICBO, and Texas Department of Insurance.

*See actual limited warranty for conditions and limitations.

**Effective January 1, 2004, the seven year non-prorated Underlayment Coverage Period applies only when a full Elk Roof System is installed with the original installation of the Elk shingles, all in accordance with Elk's application instructions for such products. A full Elk roof system includes Elk Hip and Ridge shingles on all hips and ridges, Elk Starter Strip along all eaves and gable edges, an Elk ventilation system, and Elk All-Climate Self-Adhering Underlayment in all valleys. Additionally, Elk All-Climate Self-Adhering Underlayment is required along the rake and eave edges of the roof in and north of the states of VA, NC, MD, KS, CO, UT, WY & OR.

***For a Limited Wind Warranty up to 110 mph for Prestique Gallery Collection, Prestique Plus, or 80 mph for Prestique I or Crested, at least six (6) properly placed NAILS and Elk Starter Strip shingles are required. See application instructions printed on the shingle wrapper for additional requirements.

SPECIFICATIONS

Scope: Work includes furnishing 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 3/8" (9.525mm) thick conforming to the specifications of the American Plywood Association - 2/18" (11.074mm) 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 plies of underlayment overlapped a minimum of 19". 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 algae is a problem, shingles shall be (name) with StainGuard treatment, as manufactured by the Elk Tuscadero 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.

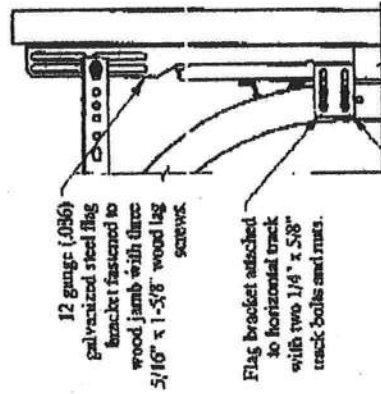
**SOUTHEAST &
ATLANTIC OFFICE:**
800.945.5551

CORPORATE HEADQUARTERS:
800.354.7732

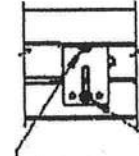
PLANT LOCATION:
800.945.5545

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The Premium Choice®
www.elkcorp.com
SS00T 06/04

Details on some views may have been omitted for clarity.



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



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

Each track bracket attached with one $1/4" \times 5/8"$ track bolt and nut. Or two $1/4" \times 1/52"$ rivets.

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

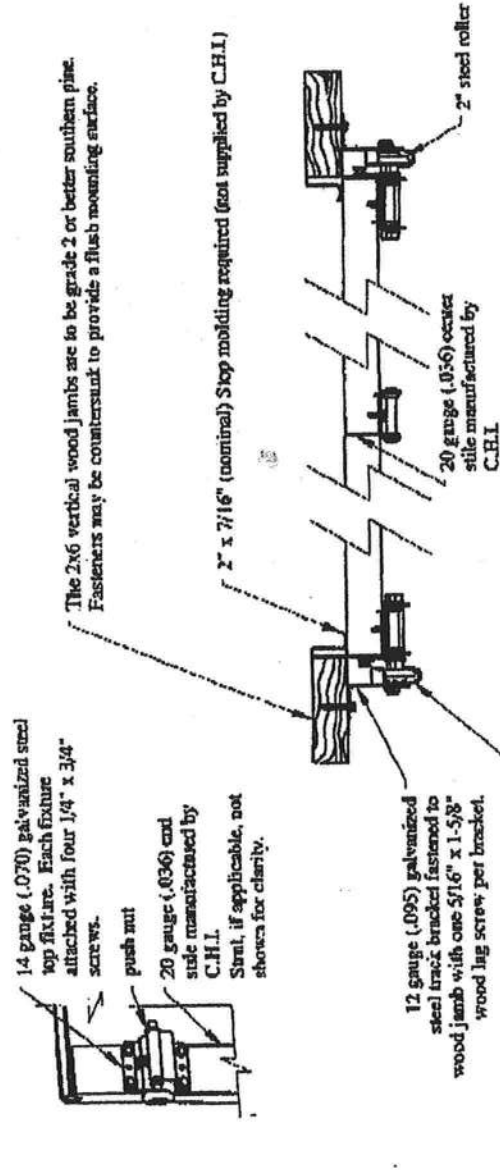
Model 225051 (16'-0" wide)
C.H.I. Drawing: Z3-1607-01100

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

2

3

4



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

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

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

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

End Hinge
16 gauge (.038) galvanized steel end hinge fastened to section with four $1/4" \times 3/4"$ screws. push nut

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

2" steel track roller.

3-1/2" (min.) stem

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

Vinyl weatherstrip
Aluminum extrusion

20 gauge (.034) 33 ksi galvanized steel 3" stud attached with two $1/4" \times 3/4"$ screws per side or hinge plate.

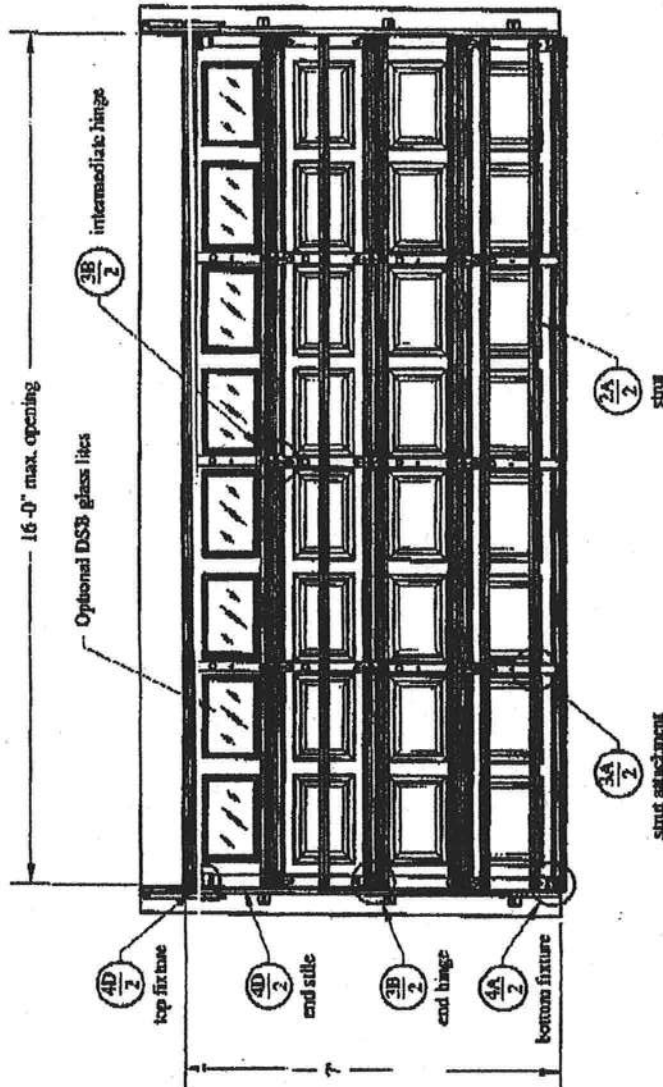
Professional Engineer's seal provided only for verification of windload construction details

2

3

4

Door Model	Gauge	Decimal
3350/2251	25	.0185
4250/4251	25	.0185
2340/2241	24	.0225
4240/4241	24	.0225
5240/5241	24	.0225



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

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

Track Bracket Chart	door height									
	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	10'-6"
D	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
C	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
B	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
A	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"

This door has been tested in accordance with ANSI/ASMA 106-2002.
 Design Pressure (DP): 18.5 psf / 20.7 mg
 Test Pressure (TP): 27.8 psf / 31.1 mg
 Per 2004 FBC Table 1609.6E, DP meets or exceeds basis wind speed of:
 V = 110 MPH for Exposure B and mean roof height of 33' or less
 V = 93 MPH for Exposure C and mean roof height of 39' or less
 Maximum door size: 16'-0" wide by 14'-0" tall
 Glazing and door have not been tested for windborne debris.
 Wind back and supporting structural elements shall be designed by a registered professional engineer for wind loads shown on this drawing.
 If door is not electrically operated, a lock must be installed.

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

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

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

FL 5519

Category (cont.)	Manufacturer	Product Description	Approval Reference
Applied Roof Sys			
Ants-Adhesives -			
atings			
Roof Tile Adhesive			
Spray Applied			
Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor	SIMPSON STRONG TIE	H-16; SP4, H2.5A, H-10, L3TA	FL 2822
2. Truss plates			
3. Engineered lumber	ANTHONY	3 1/2" - 5 1/2" to 24' GLU-LAM	ASTM 7182.80
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof	NORBOARD	7/16" - 1/2" OSB	NER 108
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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

I understand these products may have to be removed if approval cannot be demonstrated during inspect on.

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # (FOR STAFF USE ONLY)

PRODUCT APPROVAL SPECIFICATION SHEET

Location: 20 Emerald Cove Ln 74 **Project Name:** 01-0828, 08

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	Thermax	1 1/8" STEEL/WOOD upto 6 FT OPEN	01-0828, 08
2. Sliding		INCLUDES SIDELITES	
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	CAPITAL + BETTER BUILT. SINGLE HUNG MI Products	740, 165, 3240, 4250 Series	AAMA CERT BB-1 101/13.2.-97
2. Horizontal Slider			CTLA-744W-B
3. Casement			
4. Double Hung			
5. Fixed		740 165 3240 4250 Series	01-35673.05
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion	MI Products	740, 165, 3240, 4250 Series	01-35673.05
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding (Sheer Wall)	NORBOARD	8'-9'x10' OSB WALL Sheeting	NER 108
2. Soffits		WIND STORM	
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane	BARRICADE	BUILDING WRAP FED SPEC.	44 B790A
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments	WOODLAND	15#, 30# FELT	ASTM D-4869
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

CERTIFICATE OF OCCUPANCY

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 22-3S-16-02268-142

Building permit No. 000026860

Use Classification SFD, UTILITY

Fire: 38.52

Permit Holder WADE WILLIS

Waste: 100.50

Owner of Building MICHAEL & STEPHANIE FOREMAN

Total: 139.02

Location: 322 NW COUNTRY LAKE DR., LAKE CITY, FL

Date: 04/08/2009



Tony Decker

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844

Florida Engineering Certificate of Authorization Number: 0 278

Florida Certificate of Product Approval # FL1999

Page 1 of 1 Document ID: ITFL8228Z0307152731

Truss Fabricator: Anderson Truss Company
Job Identification: 8-055--WADE WILLIS CONSTRUCTION WADE WILLIS -- , **
Truss Count: 90
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD);ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.37, 7.24, 7.36.
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: A11030EE-GBLLETIN-PIGBACKA-PIGBACKB-BRCLBSUB-A11015EE-VALTRUSS-CNBRGBLK-

Seal Date: 03/07/2008

-Truss Design Engineer-
Doug Fleming

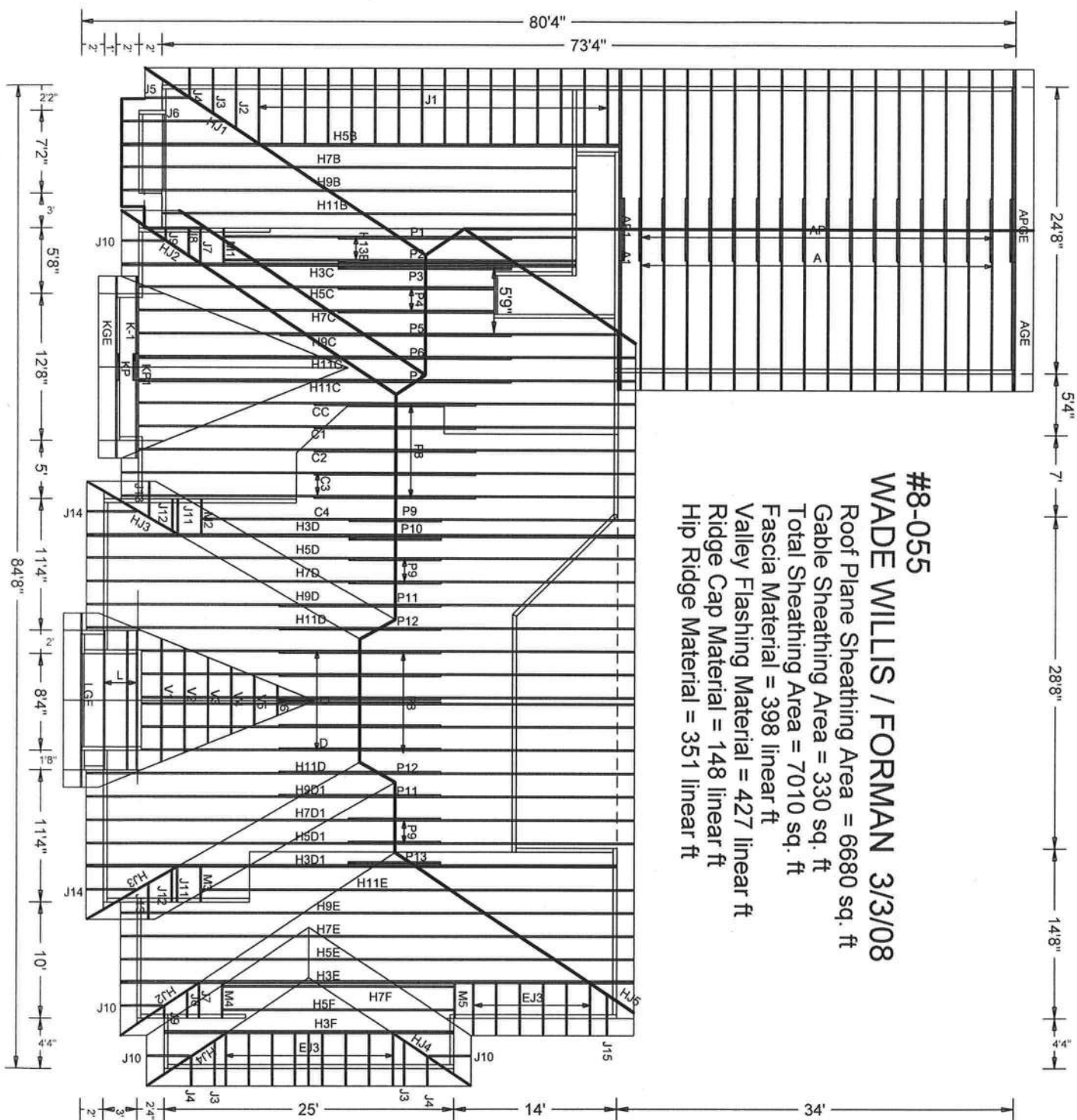
Florida License Number: 66648
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	50231--APGE	08067156	03/07/08	
2	50232--H11E	08067076	03/07/08	
3	50233--H5D1	08067091	03/07/08	
4	50234--H7D1	08067092	03/07/08	
5	50235--H9D1	08067093	03/07/08	
6	50236--C4	08067077	03/07/08	
7	50237--K-1	08067078	03/07/08	
8	50238--J14	08067079	03/07/08	
9	50239--J12	08067080	03/07/08	
10	50240--J13	08067081	03/07/08	
11	50241--J11	08067082	03/07/08	
12	50242--P8	08067083	03/07/08	
13	50243--M2	08067084	03/07/08	
14	50244--M3	08067085	03/07/08	
15	50245--H3E	08067086	03/07/08	
16	50246--H5E	08067087	03/07/08	
17	50247--H7E	08067088	03/07/08	
18	50248--H9E	08067089	03/07/08	
19	50249--M5	08067090	03/07/08	
20	50250--M4	08067091	03/07/08	
21	50251--HJ2	08067092	03/07/08	
22	50252--J10	08067093	03/07/08	
23	50253--H3D	08067098	03/07/08	
24	50254--J8	08067094	03/07/08	
25	50255--J9	08067095	03/07/08	
26	50256--HJ5	08067096	03/07/08	
27	50257--J15	08067097	03/07/08	
28	50258--J7	08067098	03/07/08	
29	50259--H3F	08067099	03/07/08	
30	50260--H5F	08067100	03/07/08	
31	50261--H7F	08067101	03/07/08	
32	50262--HJ4	08067102	03/07/08	
33	50263--J3	08067103	03/07/08	
34	50264--H5D	08067094	03/07/08	
35	50265--J4	08067104	03/07/08	
36	50266--KGE	08067105	03/07/08	
37	50267--EJ3	08067106	03/07/08	
38	50268--KP1	08067107	03/07/08	

#	Ref	Description	Drawing#	Date
39	50269--H3D1	08067108	03/07/08	
40	50270--H7D	08067095	03/07/08	
41	50271--H7B	08067113	03/07/08	
42	50272--CC	08067115	03/07/08	
43	50273--C1	08067116	03/07/08	
44	50274--C2	08067117	03/07/08	
45	50275--C3	08067118	03/07/08	
46	50276--M1	08067119	03/07/08	
47	50277--HJ3	08067120	03/07/08	
48	50278--H9B	08067121	03/07/08	
49	50279--H9D	08067096	03/07/08	
50	50280--H11B	08067123	03/07/08	
51	50281--AP	08067125	03/07/08	
52	50282--HJ1	08067126	03/07/08	
53	50283--H5B	08067127	03/07/08	
54	50284--J5	08067128	03/07/08	
55	50285--J2	08067129	03/07/08	
56	50286--J1	08067130	03/07/08	
57	50287--J6	08067131	03/07/08	
58	50288--A	08067132	03/07/08	
59	50289--P10	08067133	03/07/08	
60	50290--AGE	08067157	03/07/08	
61	50291--P13	08067139	03/07/08	
62	50292--P9	08067140	03/07/08	
63	50293--P11	08067141	03/07/08	
64	50294--P12	08067142	03/07/08	
65	50295--H11D	08067097	03/07/08	
66	50296--LGE	08067143	03/07/08	
67	50297--KP	08067145	03/07/08	
68	50298--V1	08067146	03/07/08	
69	50299--V2	08067147	03/07/08	
70	50300--V3	08067148	03/07/08	
71	50301--V4	08067149	03/07/08	
72	50302--V5	08067150	03/07/08	
73	50303--V6	08067151	03/07/08	
74	50304--AP1	08067152	03/07/08	
75	50305--A1	08067153	03/07/08	
76	50306--L	08067154	03/07/08	

#	Ref	Description	Drawing#	Date
77	50307--D	08067104	03/07/08	
78	50308--H13B	08067135	03/07/08	
79	50309--H3C	08067109	03/07/08	
80	50310--P1	08067124	03/07/08	
81	50311--P3	08067136	03/07/08	
82	50312--P2	08067122	03/07/08	
83	50313--P4	08067137	03/07/08	
84	50314--P5	08067138	03/07/08	
85	50315--P6	08067144	03/07/08	
86	50316--P7	08067155	03/07/08	
87	50317--H5C	08067110	03/07/08	
88	50318--H7C	08067111	03/07/08	
89	50319--H9C	08067112	03/07/08	
90	50320--H11C	08067114	03/07/08	





#8-055

WADE WILLIS / FORMAN 3/3/08

Roof Plane Sheathing Area = 6680 sq. ft

Gable Sheathing Area = 330 sq. ft

Total Sheathing Area = 7010 sq. ft

Fascia Material = 398 linear ft

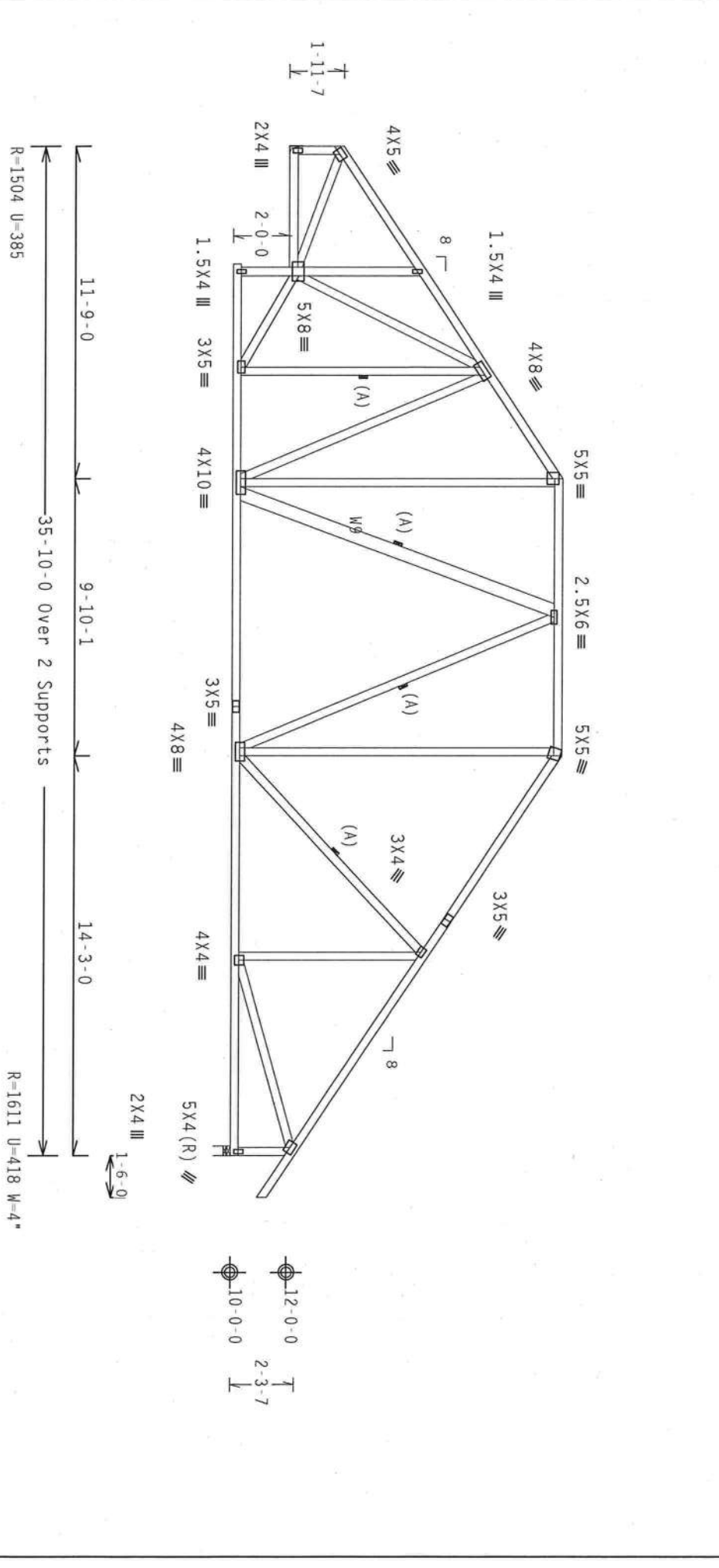
Valley Flashing Material = 427 linear ft

Ridge Cap Material = 148 linear ft

Hip Ridge Material = 351 linear ft

JREF - 1TFL8228Z03

110 mph wind, 16.54 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.
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)
7.24.122
QTY:1
FL/-/4/-/E/R/-
Scale = .1875"/ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization #0778

DOUGLAS FLEMING
LICENSED PROFESSIONAL ENGINEER
No. 66648
FLORIDA

TC LL	20.0 PSF	REF R8228- 50232
TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08067076
BC LL	0.0 PSF	HC-ENG JB/DF
TOT. LD.	40.0 PSF	SEQN- 24987
DUR. FAC.	1.25	
SPACING	24.0"	UREF- 1TFL8228203

110 mph wind, 16.94 ft mean hgt, ASCE 7-02, closed bldg, not located within 6.50 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

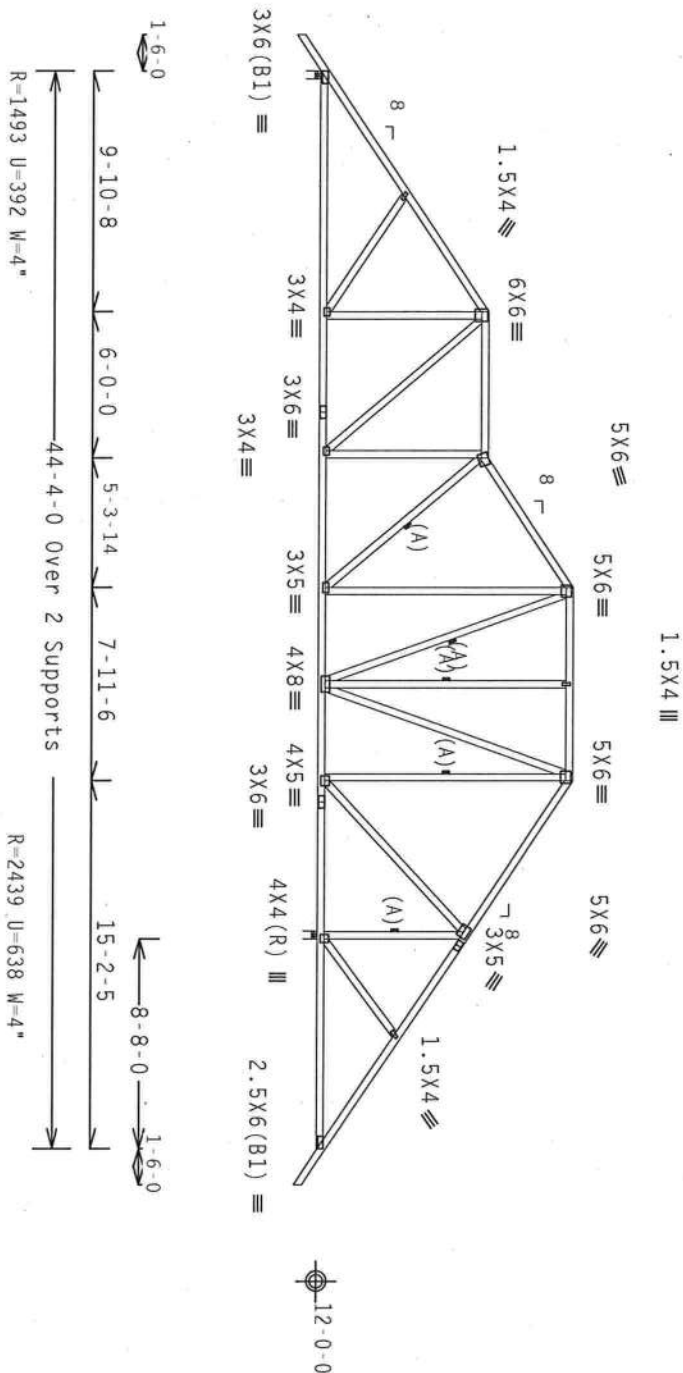
Roof overhang supports 2.00 psf soffit load.

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: TRUSS MAY EXHIBIT UNDESIREABLE DEFLECTION UNDER FULL DESIGN LOAD, AS THE LONG TERM EFFECTS OF CREEP HAVE NOT BEEN CONSIDERED FOR THIS DESIGN



PLT TYP. Wave

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

QTY:1

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

Scale = .125"/Ft.

WARNING: THESE BUILDING EXTERIOR CANE, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO AC308 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY PCI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND PRIOR TO PERFORMING THESE FUNCTIONS, ENTREPRENEUR LANE, MONTGOMERY, MD 20819 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 FIELD CEILING.

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

DESIGN CONCERNS WITH AVAILABLE PROVISIONS OF WIDE NATIONAL DESIGN CODE OR AERIAL AND NOT

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.

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

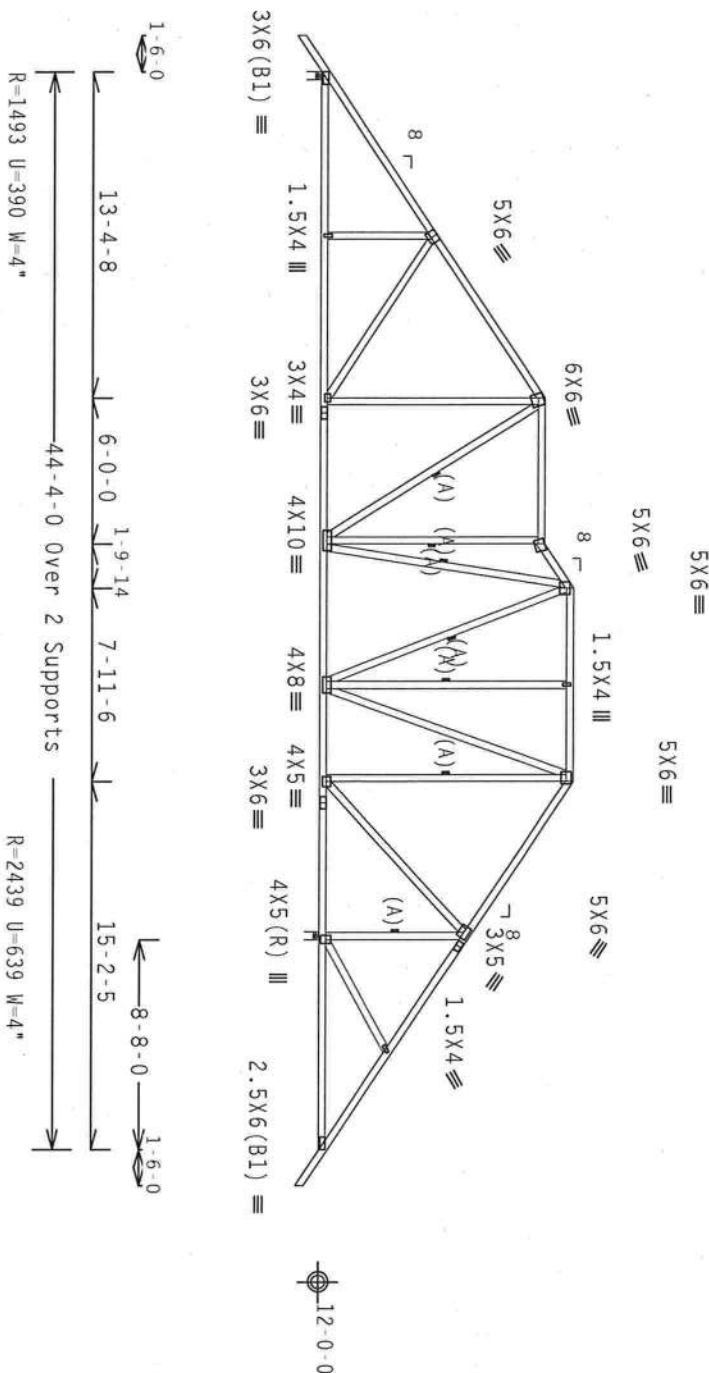
Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

NOTE:
TRUSS MAY EXHIBIT UNDESIRABLE DEFLECTION
UNDER FULL DESIGN LOAD, AS THE LONG TERM EFFECTS
OF CREEP HAVE NOT BEEN CONSIDERED FOR THIS DESIGN

110 mph wind, 16.94 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 6.50 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.



R=1493 U=390 W=4"

R=2439 U=639 W=4"

PLT TYP. Wave

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

7.36.042

QTY:1

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

Scale = .125"/ft.

WARNING TRUSSES REQUIRE EXTERIOR CARE IN FABRICATING, MARKING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICK (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

ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization #0-079



07 '08

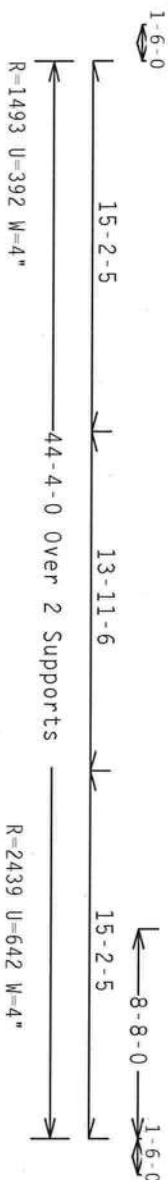
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TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCUR8228 08067092
BC LL	0.0 PSF	HC-ENG JB/DF *
TOT. LD.	40.0 PSF	SEQN- 78540
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1TFL8228203

110 mph wind, 16.94 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 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

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.

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



Scale = .125" / Ft.

04
DOUGLAS FLEMING
LICENSE
No. 66648
QTY

ITW Building Components Group Inc.

Haines City, FL 33844
FL Certificate of Authorization # 00778

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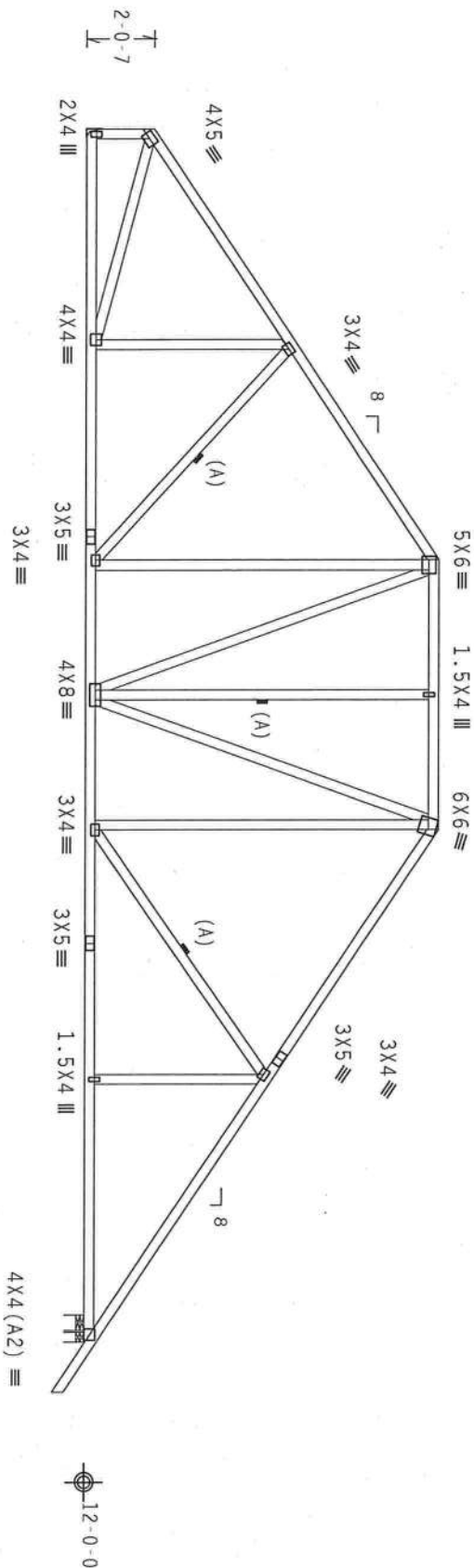
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TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCSR8228 08067093
BC LL	0.0 PSF	HC-ENG	JB/DF *
TOT.LD.	40.0 PSF	SEQN-	76536
DUR.FAC.	1.25		
SPACING	24.0"	URFF-	1TF18228203

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

Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 16.94 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



12-8-5 7-11-6 15-2-5 35-3-3

35-10-0 Over 3 Supports R-311 U

R-1493 U-383

R=311 U=186 W=5.657"
R=1311 U=237 W=3.5"

PLT TYP. Wave

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

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

7.24.123

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

Scale = .1875"/Ft.

WARNING: THIS PRODUCT'S EXTREME CARE IN INSTALLATION, HANDLING, SHIPPING, INSTALLING, AND BRACING REFER TO BC91 (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY IP1 (TRUSS PAPER INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND A6000 (WOOD TRUSS CONCRETE 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.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL Certificate of Authorization # 0778



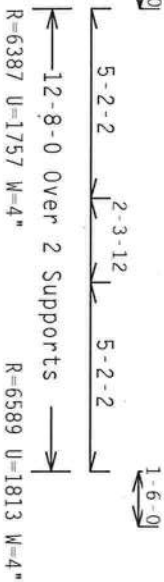
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TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCU5R8228 08067077
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 24969
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TFL8228203

Bot Chord: 2 Rows @ 3.50" o.c. (Each Row)

Wbs : 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 6.50 ft from roof edge, CAT 11, EXP C, Wind TC
DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpi (+/-) 0.18

step increase



Scale = .1875"/Ft.

DOUBLEDAY
LICENSE
No. 66648

02/09/00 0806/0/8 UNW HCUK026 0270KCH MUD

HC-ENG JB/DF

SEON - 78505

JREF - 1TFL8228Z03

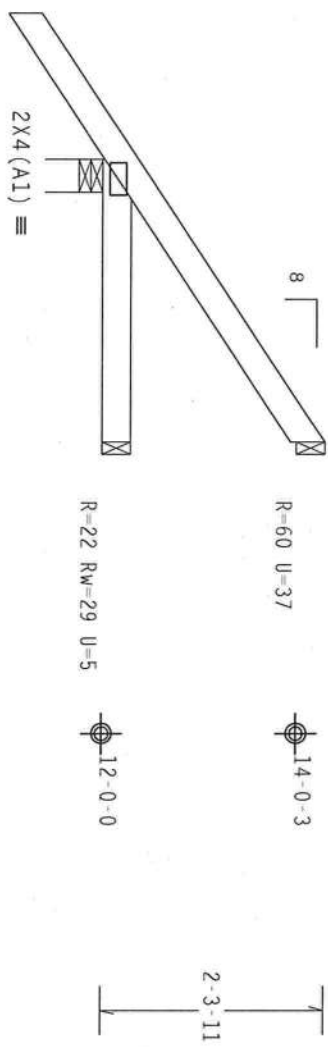
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Roof overhang supports 2.00 psf soffit load.

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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MMFRS pressures.



←1-6-0→
2-10-13 over 3 Supports
R=265 U=53 W=4"

PLT TYP. Wave

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

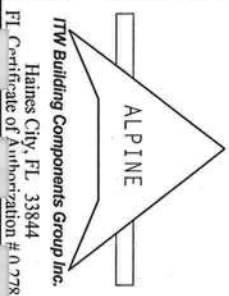
7.24.122 QTY:1

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

Scale =.5"/ft.

****WARNING**** THUSSES 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, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN, INCLUDING, HANDLING, SHIPPING, INSTALLING AND BRACING, BY ANYONE OTHER THAN THE BCG, INC. SHALL BE THE RESPONSIBILITY OF THE USER. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN, INCLUDING, HANDLING, SHIPPING, INSTALLING AND BRACING, BY ANYONE OTHER THAN THE BCG, INC. SHALL BE THE RESPONSIBILITY OF THE USER. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN, INCLUDING, HANDLING, SHIPPING, INSTALLING AND BRACING, BY ANYONE OTHER THAN THE BCG, INC. SHALL BE THE RESPONSIBILITY OF THE USER.



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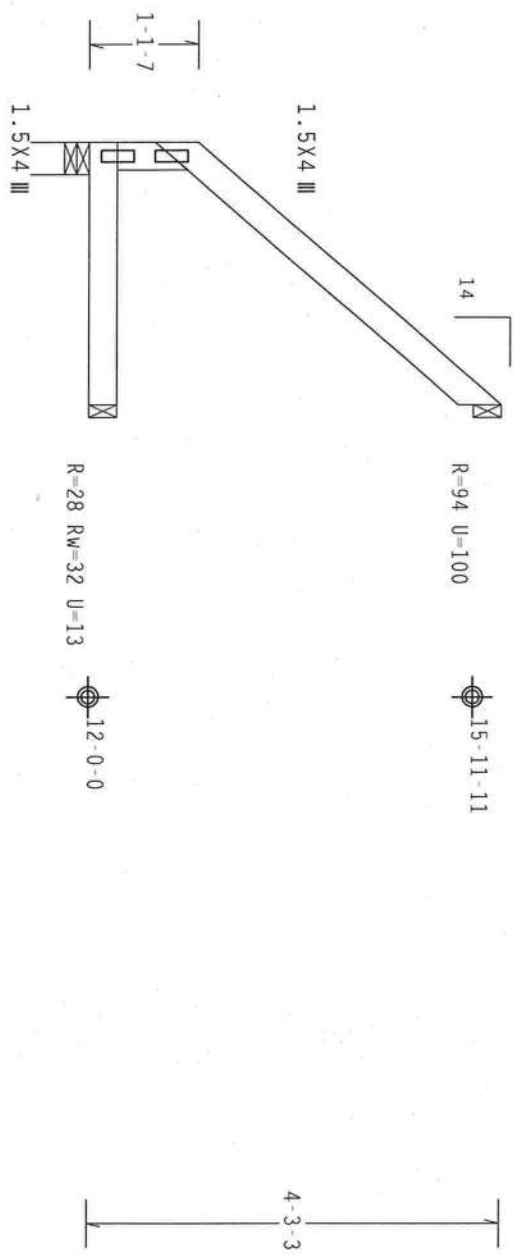
TC LL	20.0 PSF	REF R8228- 50238
TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08067079
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEON- 24914
DUR.FAC.	1.25	
SPACING	24.0"	UREF- 1TFL8228203

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

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 MMFRS pressures.



PLT TYP. Wave

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

7.24.122

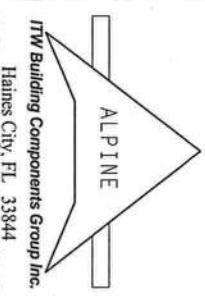
QTY:1

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

Scale = .5"/ft.

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, 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 NFCA (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 THIS DESIGN CONFORMS TO THE MANUFACTURING, SHIPPING, INSTALLING AND BRACING OF TRUSSES BY AREA AND TPI. ITW BCG DESIGN CONFORMS TO THE MANUFACTURING, SHIPPING, INSTALLING AND BRACING OF TRUSSES BY AREA AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/166A (9.4/55/28) ASTM A653 GRADE 40/50 (94.4/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. 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 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	20.0 PSF	REF	R8228- 50239
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067080
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT. LD.	40.0 PSF	SEQN-	24923
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1TFL8228203

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

Roof overhang supports 2.00 psf soffit load.

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

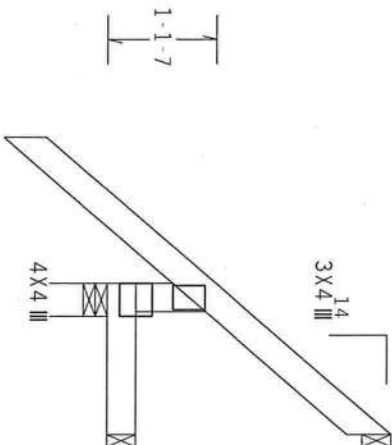
Wind reactions based on MMFRS pressures.

R=-19 Rw=52 U=33

14-7-11

2-11-3

12-0-0



R=34 Rw=60 U=36

1-6-0 over 3 Supports
R=241 U=3 W=4"

Design Crit: TPI-2002(STD)/FBC

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

7.24.12

QTY:1

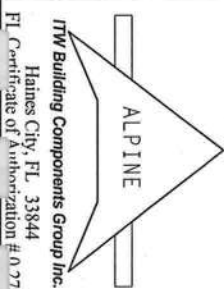
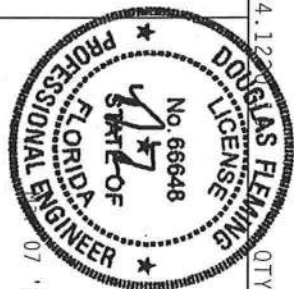
FL/-/4/-/E/R/-

Scale =.5"/Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (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 THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, BY AREA AND TPI. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING OR TO THE PERSONNEL OR TO THE PROPERTY OF ANY OTHER PARTY. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING OR TO THE PERSONNEL OR TO THE PROPERTY OF ANY OTHER PARTY. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANNEX A3 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.

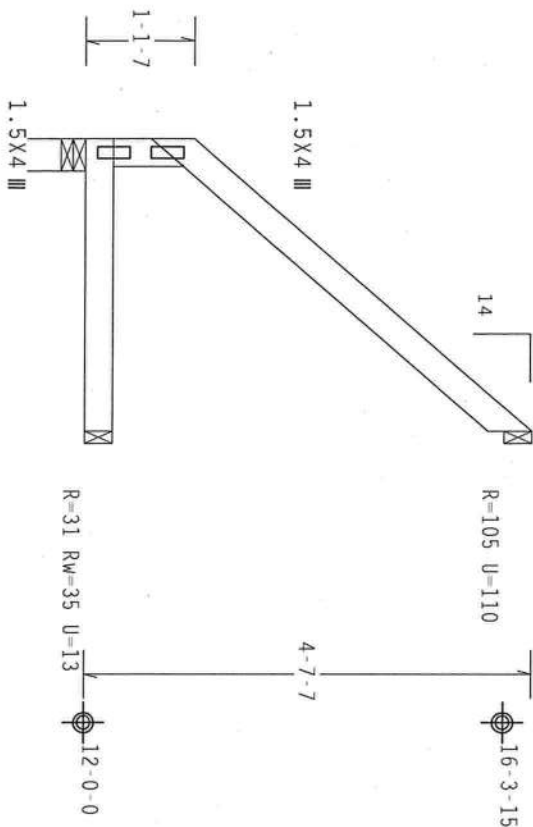


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Haines City, FL 33844
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TC LL	20.0 PSF	REF R8228- 50240
TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08067081
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEON- 24919
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1TFL8228Z03

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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.



3-0-0 Over 3 Supports
R=136 W=4"

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

 $Cq/RT=1.00(1.25)/10(0)$ 7.24.1230

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

Scale = .5" / Ft.

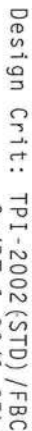
WARNING: TRUSSES REQUIRE ERECTION CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO SC-1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PRACTICE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MICA (6000 TRUSS COMPANY OF AMERICA, 62000 ENTERPRISE LANE, MADISON, MI, 48115) FOR ADDITIONAL INFORMATION. THE FOLLOWING INFORMATION IS FOR INFORMATIONAL PURPOSES ONLY. THE USER SHALL BE RESPONSIBLE FOR DETERMINING THE APPROPRIATE TRUSS PRACTICES TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE USER SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED FIELD CEILING.

[illegible]

TC LL	20.0 PSF	REF	R8228- 50241
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067082
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	24927
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TF\8228Z03

110 mph wind, 22.82 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=1.2 psf lw=1.00 gcpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

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


7.36.042

QTY:1

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

Scale = .5" / Ft.

WARNING—TRUCKS REQUIRING EXTERIOR CHAIN, HANDLING, SHIPPING, INSTALLING, AND PROTECTIVE TIE-ROPS (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND NCA, 6000 TRUSS COUNCIL OF AMERICA, 6500 INTERSTATE LANE, MIDLOTHIAN, MI, 48150 FOR SAFETY PRACTICES, PLEASE REFER TO THE SPECIFICATIONS. UNDESIGNED INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



ALPINE

Haines City, FL 33844
FL Certificate of Authorization # 0 278



TC LL	20.0 PSF	REF	R8228 - 50242
TC DL	10.0 PSF	DATE	03/07/08
BC DL	2.0 PSF	DRW	HCUSR8228 08067083
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	32.0 PSF	SEQN-	78436
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1TFL8228203

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, 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

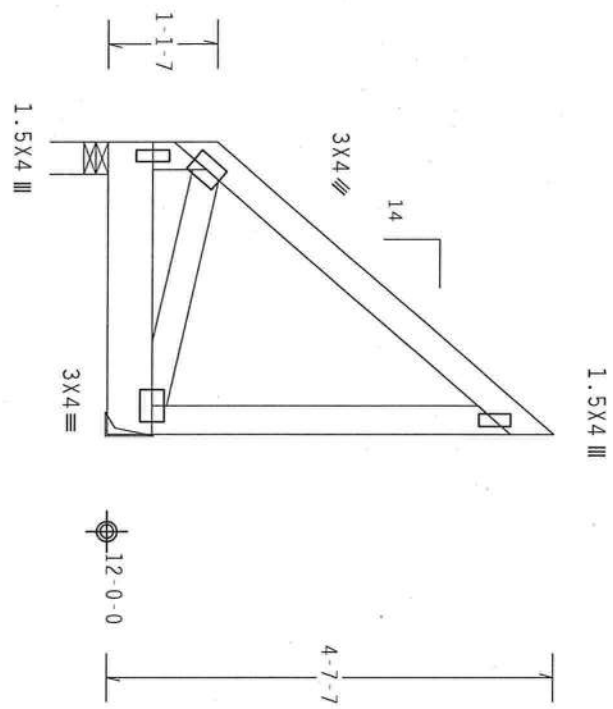
Wind reactions based on MFRS pressures.

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 71 PLF at 0.00 to 71 PLF at 3.00
BC - From 20 PLF at 0.00 to 20 PLF at 3.00
BC - 1493 LB Conc. Load at 1.73

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.



13'-0-0 over 2 supports
R=769 U=195 W=4"
R=997 U=254

PLT TYP. Wave

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

7.24.12

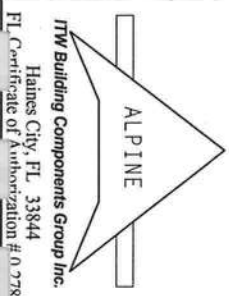
QTY:1

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

Scale =.5"/Ft.

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, 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 TO BUILD THE TRUSS IN CONFORMANCE WITH
THIS DESIGN, INCLUDING, BUT NOT LIMITED TO, HANDLING, SHIPPING, INSTALLING AND BRACING, BY AREA AND TPI.
DESIGN CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. ITW BCG
CONNECTOR PLATES ARE MADE OF 20/18/16GA (IN ALUMINUM) 451N A653 GRADE 40/60 OR 42N A575 GALV. STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.
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 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	20.0 PSF	REF R8228- 50243
TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08067084
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEON- 25005
DUR.FAC.	1.25	
SPACING	24.0"	UREF- 1TFL8228203

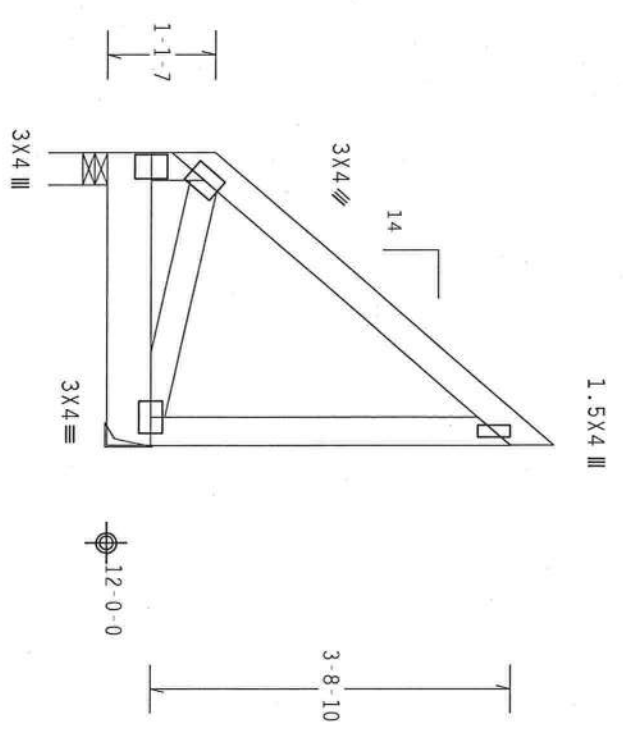
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

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. $I_w=1.00$ GCPI(+/-)=0.18

Wind reactions based on MMFRS pressures.

SPECIAL LOADS

LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25
TC - From 71 PLF at 0.00 to 71 PLF at 3.00
BC - From 20 PLF at 0.00 to 20 PLF at 3.00
BC - 1504 LB Conc. Load at 1.06
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.

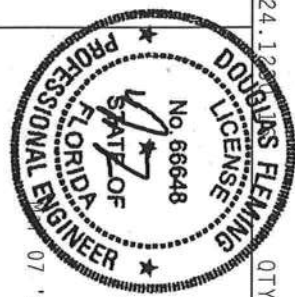


0-0-1
13-0-1 over 2 supports
R=1038 U=264 W=4"
R=715 U=182

PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12

****WARNING**** 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 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 2005 NATIONAL DESIGN SPEC. BY AIA/P&A AND TPI. DESIGNATED BY TPI (TRUSS PLATE INSTITUTE) AND WCA (WOOD TRUSS COUNCIL OF AMERICA). TPI BCG HAS BEEN APPROVED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) AS A QUALIFIED TRUSS MANUFACTURER. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.2. 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.



QTY: 1	FL/-/4/-/E/R/-	Scale = .5"/Ft.
TC LL	20.0 PSF	REF R8228- 50244
TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08067085
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 25010
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TFL8228Z03

_____ (s)

Bot Chord: 1 Row @12.00" 0:c.

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Nbs      : 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 6.50 ft from roof edge, CAT 11, EXP C, Wind TC
DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 Gcpl(+/-)=0.18

Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

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

Calculated vertical deflection is 0.41" due to live load and
0.64" due to dead load at X = 25'-4.0".

(A) scab brace 80% length of web member. Same size.

```



R=4328 U=1420 W=4

Scale = .125"/Ft.

DOUBLE
LICENSE
No. 66648

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STATE OF
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FLUID AQUEOUS

07



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

Roof overhang supports 2.00 psf soffit load.

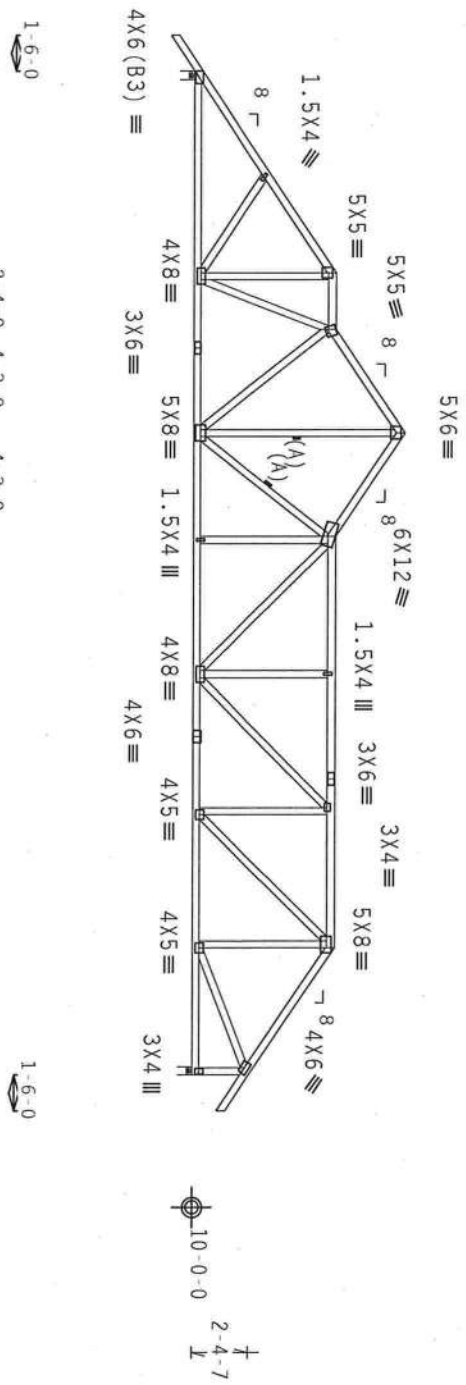
(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 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 MMFRS pressures.

Right end vertical not exposed to wind pressure.



8'-3-0 2'-4-0 4'-3-0 4'-3-0 17'-0-0 1'-5-3-0
1'-6-0 1'-6-0
R=1847 U=460 W=4"
R=1834 U=468 W=4"

PLT TYP. Wave

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

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

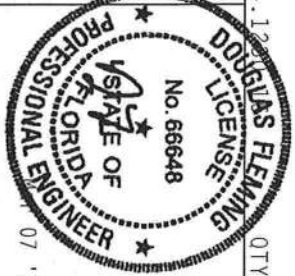
Scale = .125"/ft.

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 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.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL Certificate of Authorization #0778



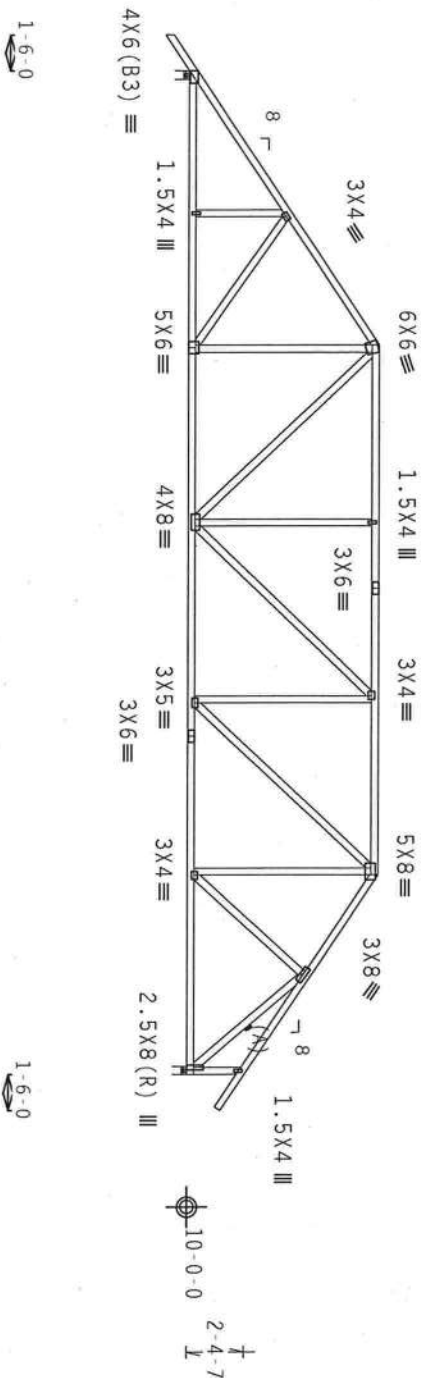
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TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCUR8228 08067087
BC LL	0.0 PSF	HC-ENG JB/DF
TOT. LD.	40.0 PSF	SEON- 23652
DUR. FAC.	1.25	
SPACING	24.0"	UREF- 1TFL8228203

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

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL-5.0 psf, wind BC DL-5.0 psf. Iw=1.00 GCpl(+/-)=0.18



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.123

QTY:1

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

Scale = .125"/Ft.

WARNING: THESE BUILDING COMPONENTS EXISTED IN THE FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING REFER TO BEST PRACTICES FOR THE PROPER USE OF THESE COMPONENTS. PUBLISHED BY THE STEEL PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314. FOR A FULL LIST OF TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MOUNTAIN VIEW, UT 84040. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED FOR CHILD 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

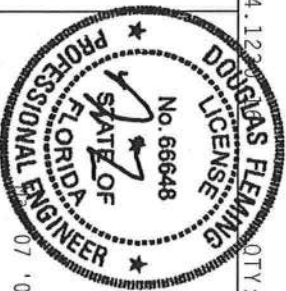
TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & DRACING OF TRUSSES.

CONNECTION PLATING, MADE OF 20/20/20mm (W, H, D) WITH 6000 GRADE 40/20 (W, H, D) ONLY. 316L. APPLT 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 # 0 778



07.08

TC LL	20.0 PSF	REF	R8228- 50247
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067088
BC LL	0.0 PSF	HC-ENG	JB/DF *
TOT.LD.	40.0 PSF	SEQN-	23647
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TFL8228Z03

THIS WORK PREPARED FROM UNCLASSIFIED INPUT (LUNAR & UTILITY/STUNTS) SUBMITTED BY IKUSS MFK.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 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.

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

Scale = .125"/Ft.

24.12.2004
OT
DOUGLAS FLEMING
LICENSE
No. 66648

STATE OF

ADDITIONAL ENROLLMENT

(

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TC LL	20.0 PSF	REF	R8228 - 50248
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCSR8228 08067089
BC LL	0.0 PSF	HC-ENG	JB/DF *
TOT.LD.	40.0 PSF	SEQN-	23642
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1TFL8228Z03

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



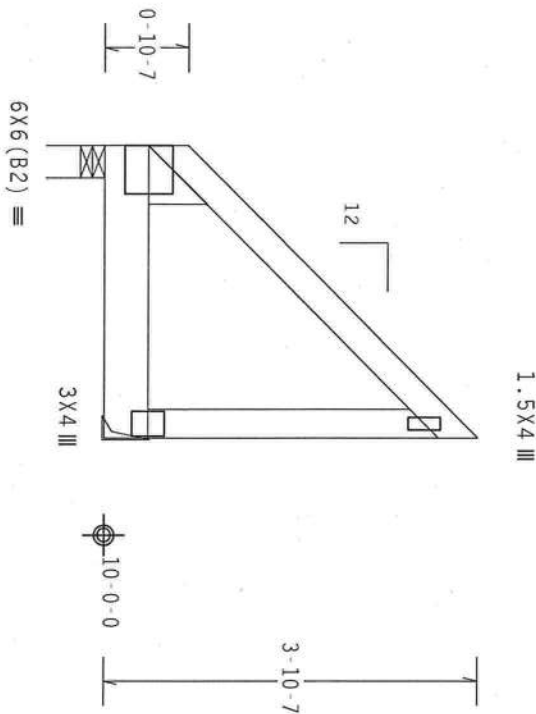
JREF - 1TF18228Z03

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Weds 2x4 SP #3
Lt Wedge 2x8 SP SS:

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.

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 68 PLF at 0.00 to 68 PLF at 3.00
BC - From 20 PLF at 0.00 to 20 PLF at 3.00
BC - 833 LB Conc. Load at 0.73, 2.73
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)

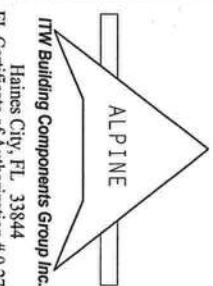
QTY: 1

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

Scale = .5" / 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. 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MAINTON, 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 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 WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MAINTON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



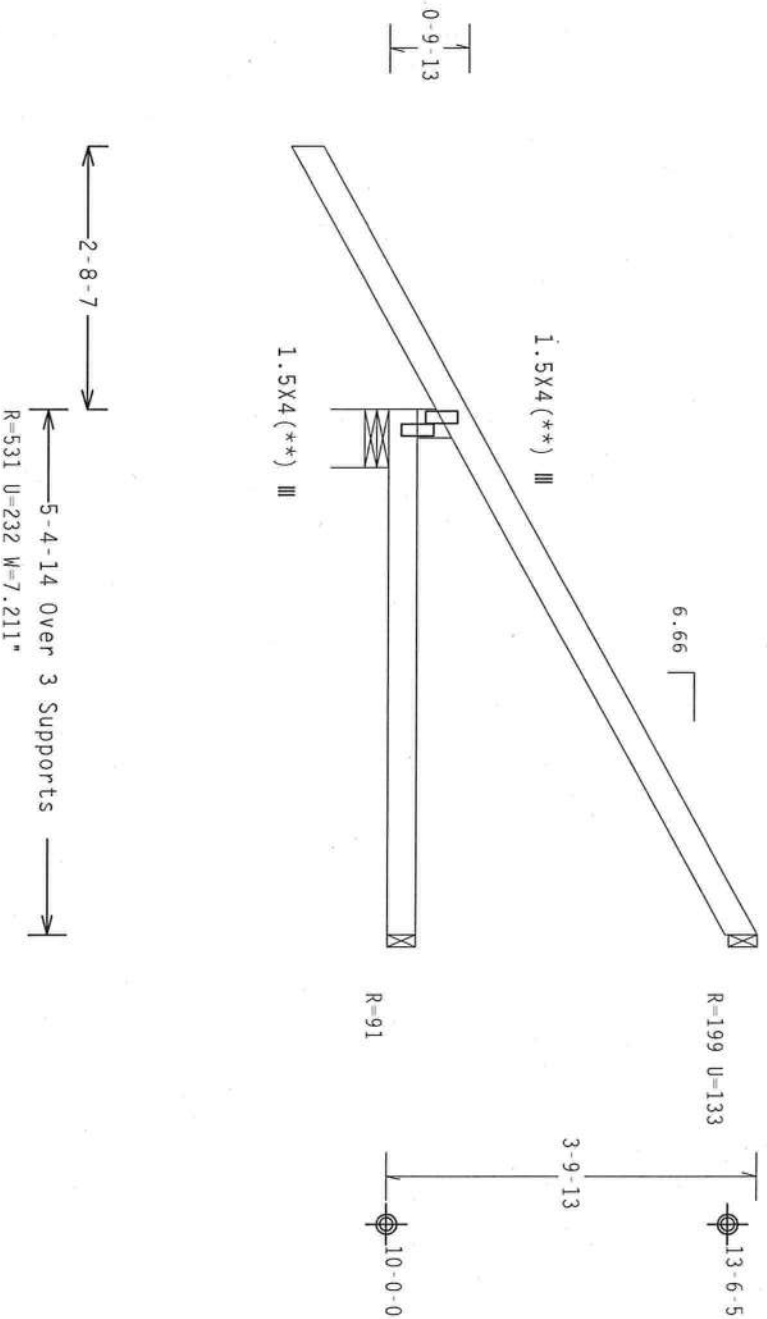
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TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067091
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEON-	25015
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1TF18228203

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

SPECIAL LOADS			
-----LUMBER			
TC	-----	DUR.FAC.=-1.25 /	PLATE DUR.FAC.=-1.25)
BC	From	63 PLF at -2.70 to	63 PLF at 5.41
BC	From	5 PLF at -2.70 to	5 PLF at 0.00
BC	From	20 PLF at 0.00 to	20 PLF at 5.41
TC	67 LB Conc.	Load at	1.87
TC	78 LB Conc.	Load at	4.28
BC	22 LB Conc.	Load at	1.87
BC	24 LB Conc.	Load at	4.28

Roof overhang supports 2.00 psf soffit load.

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

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

7.36.042

QTY:1

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

Scale = .5" / Ft.

[illegible]

APPENDIX

ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 0 278



07, 08

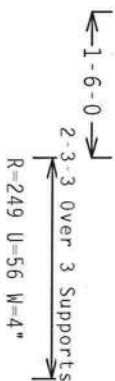
DUR.FAC.	1.25
SPACING	24.0"

JREF- 1TFL8228Z03

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

Wind reactions based on MIFRS pressures.

Wind reactions based on MIFRS pressures.



Scale = .5" / Ft.



TC LL	20.0 PSF	REF	R8228 - 50252
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCSR8228 08067093
BC LL	0.0 PSF	HC-ENG	JB/DF *
TOT.LD.	40.0 PSF	SEQN -	24904
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1TF18228203

2 COMPLETE TRUSSES REQUIRED 

Nailing Schedule: (10d_Box or Gun_0.128"x3", min.) nails

Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.)_nails)

110 mph wind, 16.94 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

Roof overhang supports 2.00 psf soffit load.

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)

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

Scale = .125"/Ft.

DOUBLE
LICENSE
No. 66648


 DOUBLEDAY
 LICENSE
 No. 66648
 STATE OF



TC LL	20.0 PSF	REF R8228- 50253
TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCUR8228 08067098
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 78509
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TF18228203

JREF - ITFL8228Z03

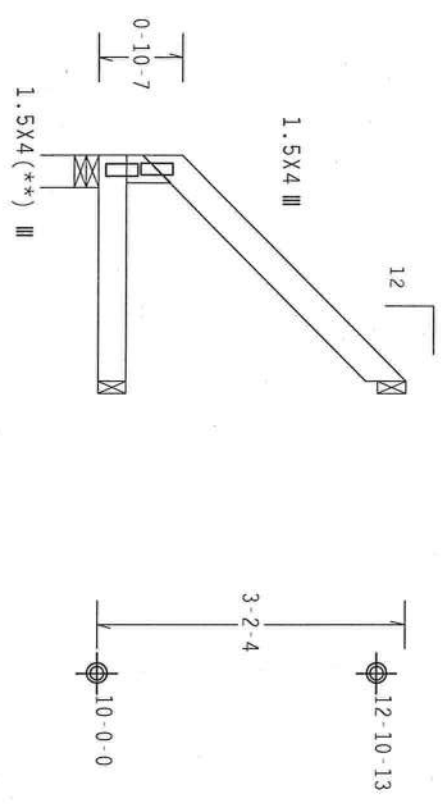
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MMFRS pressures.

R=78 U=70



2-3-14 Over 3 Supports
R=102 W=4"

PLT TYP. Wave

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

7.24.123

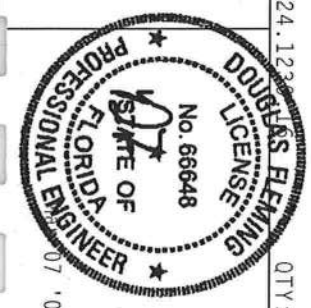
QTY:1

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

Scale = .5"/ft.

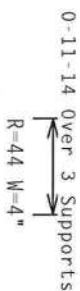
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 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 DESIGN, OR CONSTRUCTION, HANDLING, SHIPPING, INSTALLING AND BRACING. BY APPROVAL AND TPI, ITW BCG, INC. CORRELATES THE DESIGN WITH THE TRUSS MANUFACTURING PROCESS. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS MANUFACTURING PROCESS. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER 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.



TC LL	20.0 PSF	REF R8228- 50254
TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08067094
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 24895
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TFL8228203

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



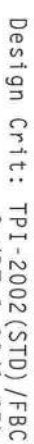
Scale = .5" / Ft.

Haines City, FL 33844
FL Certificate of Authorization # 0 278

JREF - 1TFL8228Z03

Left end vertical not exposed to wind pressure.

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



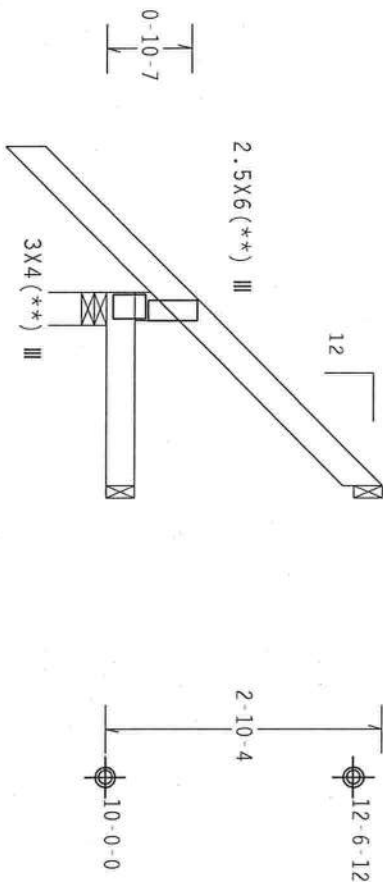
Scale = .5"/Ft.



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TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067096
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	24955
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TFL8228Z03

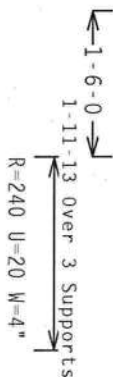
Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

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



R=12 R_w=35 U=34

R=34 R_w=45 U=21



PLT TYP. Wave

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

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

7.24.123

QTY:1

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

Scale = .5"/Ft.

WARNING FIRE'S BUILDING COMPONENTS EXISTING CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING REFER TO GC-1 (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY THE STEEL RESEARCH INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 FOR SALES AND GOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LAKE, MONTICELLO, VT 55139 FOR SAFETY PRACTICES AND PRICE FOR DETERMINING THE EFFECTS. 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

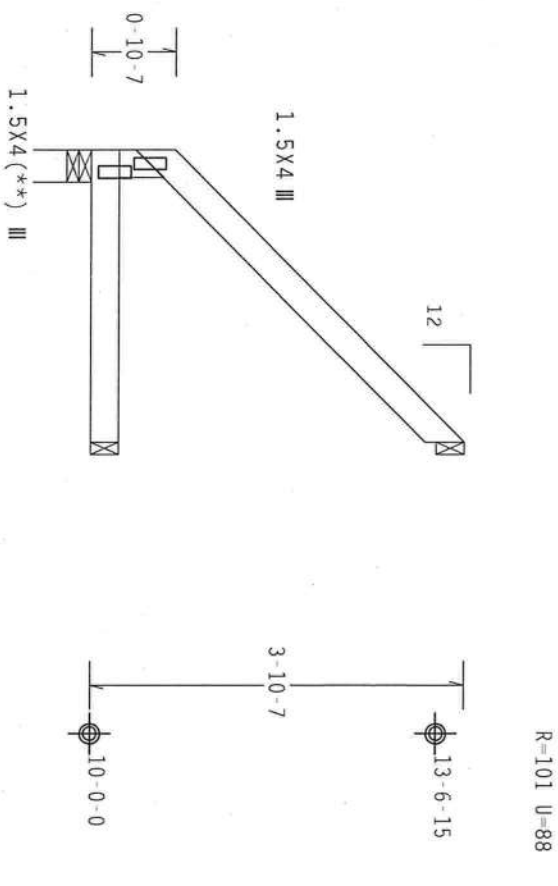
FL Certificate of Authorization # 00778



TC LL	20.0 PSF	REF	R8228- 50257
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCSUR8228 08067097
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN -	24950
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1TFI8228Z03

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

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



3-0-0 Over 3 Supports
R=132 W=4"

R=31 R_w=32 U=7

PLT TYP. Wave

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

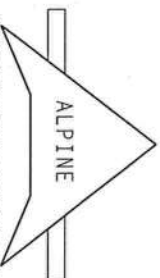
 $Cq/RT=1.00(1.25)/10(0)$

7.36.042

QTY:1

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

Scale = .5"/Ft.



ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 00790

WARNING THESE RESIDUE EXTREMELY CORROSIVE, DANGEROUS, DRIPPING, INSTANTLY KILLING AND BRACING BELT TO BESET (DROULING CORROSIVE SAFETY INFORMATION). PUBLISHED BY THE (STRESS PLASTIC INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND ALSO (GOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE BLVD., MADISON, WI, 53719) FOR SAFETY PRACTICES AND PRIOR TO PERFORMING THESE ACTIONS, UNLESS 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

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI. THE GGG CONNECTOR PLATES ARE MADE OF 20/19/16GA (H, U/SS/K) ASTM A653 GRADE 40/60 (H, K/U, 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 PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 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	20.0 PSF	REF	R8228 - 50258
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067098
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN -	78412
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1TFL8228203

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

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.)_nails)
 Top Chord: 1 Row @12.00" o.c.

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Top Chord: 1 Row @ 4" 0.0 c.
Bot Chord: 1 Row @ 12.00" 0.0 c.
Webs      : 1 Row @ 4" 0.0 c.

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Use equal spacing between rows and stagger nails in each row to avoid splitting.

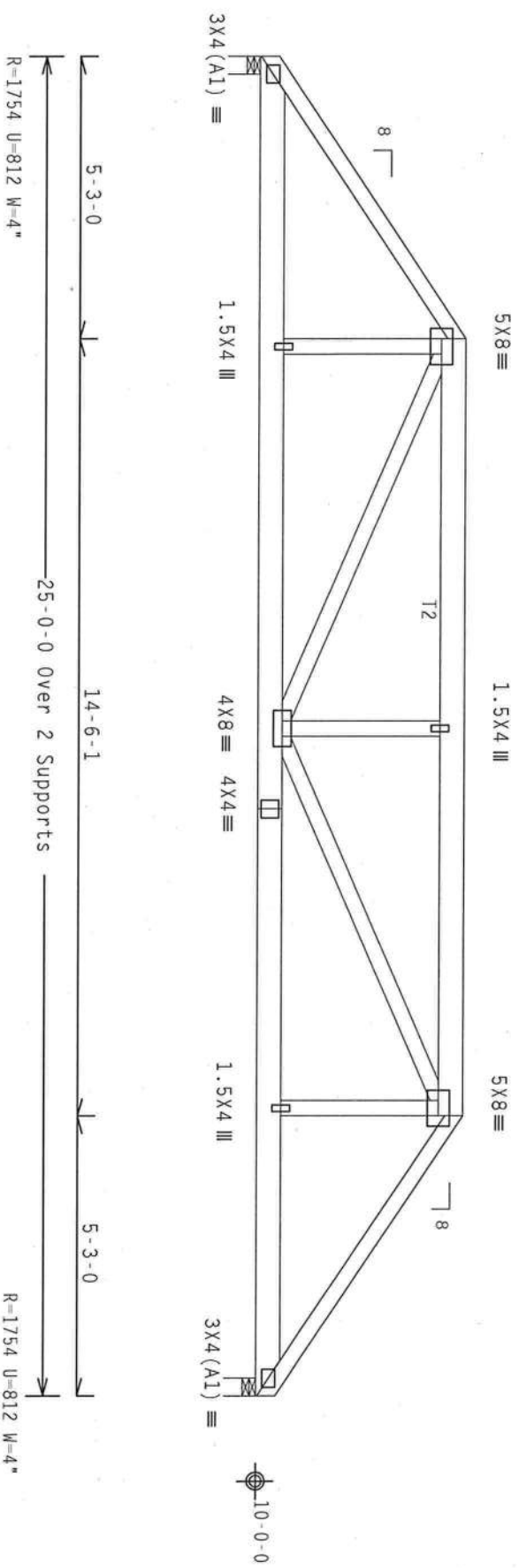
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 Gcpi (+/-)-0.18

Wind reactions based on MWFRS pressures.

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

SPECIAL LOADS

	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From	64 PLF at 0.00 to 64 PLF at 5.25
TC - From	64 PLF at 5.25 to 64 PLF at 19.75
TC - From	64 PLF at 19.75 to 64 PLF at 25.00
BC - From	20 PLF at 0.00 to 20 PLF at 25.00
TC - 191 LB Conc.	Load at 5.25, 19.75
TC - 65 LB Conc.	Load at 7.31, 9.31, 11.31, 12.50, 13.69
15.69, 17.69	
BC - 146 LB Conc.	Load at 5.25, 19.75
BC - 40 LB Conc.	Load at 7.31, 9.31, 11.31, 12.50, 13.69
15.69, 17.69	



PLT TYP. Wave

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

$$\underline{Cq/RT=1.00(1.25)/10(0)}$$

7.24.123

QTY:1

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

Scale = .3125"/Ft.

WARNING: THESE REOILERS EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRIVING. REFER TO DESI. (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRESS PASTE INSTITUTE, 219 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (MICO TRUSS COMPANY OF AMERICA, 6300 ENTERPRISE LANE, MARIETTA, GA, 30219) FOR SAFETY PRACTICES AND PROCEDURES TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL DESI AND MICA SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

2000

ITW Building Components Group Inc.

FL Certificate of Authorization # 0078



TC LL	20.0 PSF	REF	R8228- 50259
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067099
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	23669
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TFL8228Z03

THE UNIVERSITY OF CHICAGO PRESS

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

Wind reactions based on MMFRS pressures.
Right end vertical not exposed to wind pressure.



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

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


QTY:1

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

Scale = .375"/Ft.

4.123
QT
DOUGLAS FLEMING
LICENSE
No. 66648

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



ITW Building Components Group Inc.

FL Certificate of Authorization # 0079

SPACING

24.0"

JREF - 1TFL8228Z03

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 gcpi(+/-)-0.18

Wind reactions based on MWFRS pressures.
Right end vertical not exposed to wind pressure.



Scale = .3125"/Ft.

ITW Building Components Group Inc.

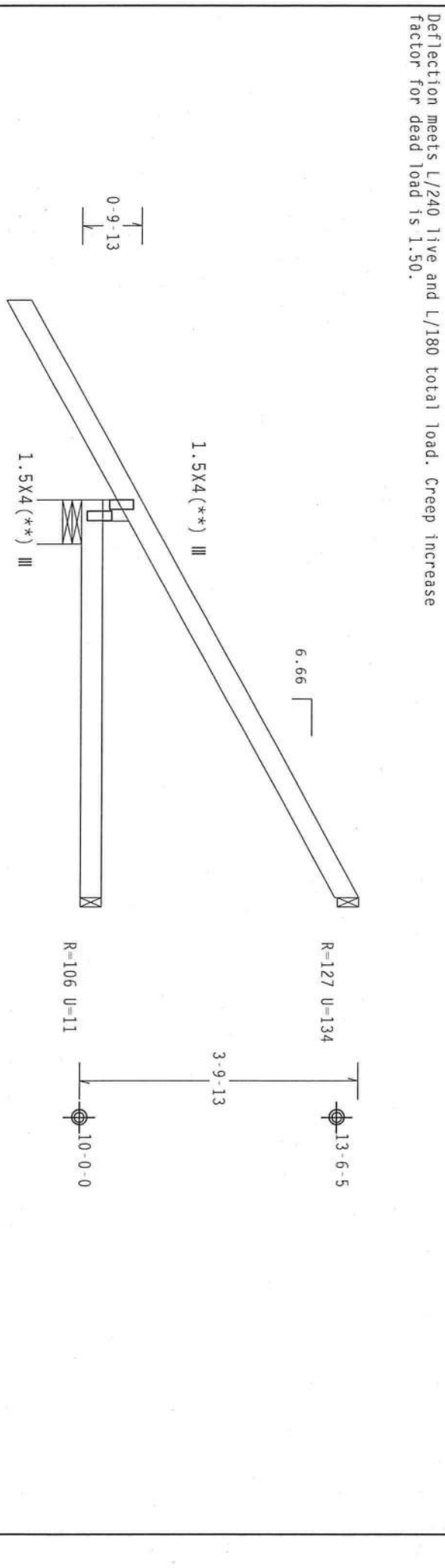
* IMPORTANT * PARAPHASE A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE IBCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; AN FAILURE TO BUILD THE TROUS IN CONFORMANCE WITH THE SPECIFICATIONS, INCLUDING SHIPPING, INSTALLING & DACKING OF TROUSSES.
THE ABOVE LISTED MATERIALS ARE REQUIRED FOR THE TROUSSES AND WILL BE SUPPLIED BY THE BUYER. ALL THE REQUIRED CONNECTION PLATES ARE MADE OF 2018T16604 (H-K/SI-29) ASTM A575 GRADE 40/50 (N/A-K/H-S3) GALV. STEEL. ATTACH PLATES TO EACH FACE OF TROUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. IF AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX AS OF TP1-2002 SECTION 3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLLY FOR THE TROUS COMPONENTS. IF THERE IS NO SEAL OR SIGNATURE ON THIS DOCUMENT, IT DOES NOT MEAN THAT THE TROUSSE WAS BUILT CORRECTLY. THE BUILDING DESIGNER CANNOT ASSURE YOU THAT THE BUILDING IS THE RESPONSIBILITY OF THE



TC LL	20.0 PSF	REF R8228- 50261
TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCU8R8228 08067101
BC LL	0.0 PSF	HC-ENG JB/DF *
TOT.LD.	40.0 PSF	SEON- 25000
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TF8228Z03

(**) 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. $I_w=1.00$ GCFI(+/-)=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.



2-8-7
5-4-14 Over 3 Supports
R=469 U=287 W=7.211"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12

PLT TYP. Wave

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization #0728

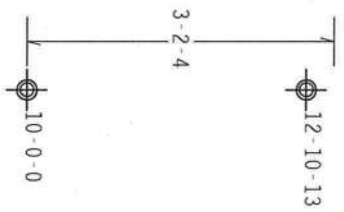
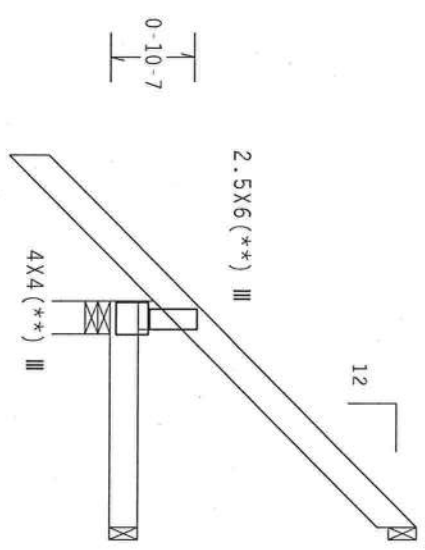
DOUGLAS FLEMING
LICENSE
No. 66648
FLORIDA
PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF R8228- 50262
TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCUR8228 08067102
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEON- 24946
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TFL8228203

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

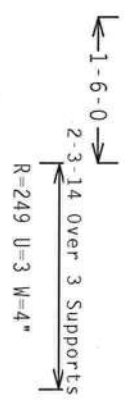
Roof overhang supports 2.00 psf soffit load.
Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

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



R=31 R_w=58 U=47

R=36 RW=44 U=19



PLT TYP. Wave

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

7.24.123 QTY:1

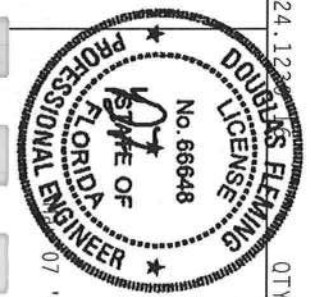
FL/-/4/-/E/R/-

Scale = .5"/Ft.

WARNING: THESE REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGN (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (IRONS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 530 NORTH DEARBORN STREET, SUITE 55719) 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 CELLULOSE.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITR BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TYPE OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS. (NATIONAL DESIGN SPEC., BY AIA/RAI AND TPI). ITR BCG.

CONNECTOR PLATE MADE OF 201/18/1664 (H/155/25) ASTM A563 GRADE 40/60 (H/155) GALV. STEEL, APPLY PLATES TO EACH FACE OF THISS AND UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF TP1-2002 SEC.5. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TROSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND 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- 50263
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCSR8228 08067103
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEON-	24872
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TF18228203

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

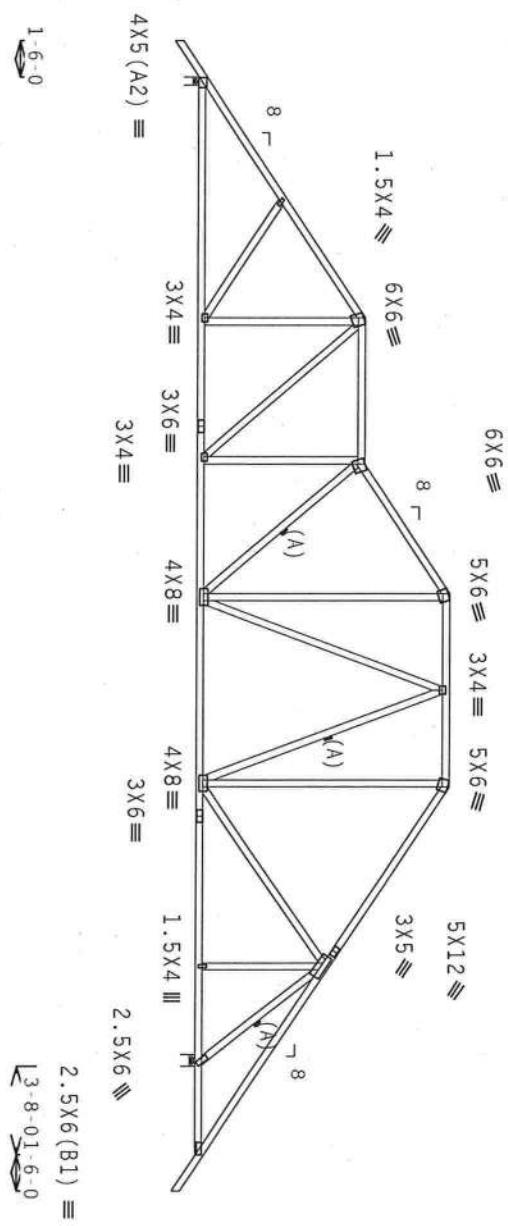
Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

110 mph wind, 16.94 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=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.



9-10-8 6-0-0 5-3-13 7-11-6 15-2-5
44'-4" Over 2 Supports
R=1783 U=469 W=4"
R=2149 U=560 W=5.657"

PLT TYP. Wave

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

7.36.042

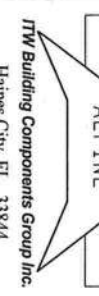
QTY:1

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

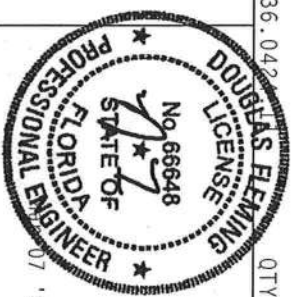
Scale = .125"/ft.

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, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WPCA (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



ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization #0778



TC LL	20.0 PSF	REF R8228- 50264
TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCUR8228 08067094
BC LL	0.0 PSF	HC-ENG JB/DF
TOT. LD.	40.0 PSF	SEON- 78513
DUR. FAC.	1.25	
SPACING	24.0"	UREF- 1TFL8228203

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

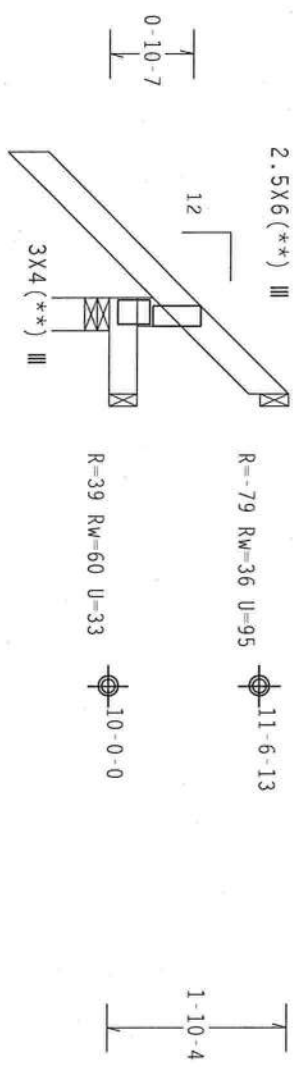
Roof overhang supports 2.00 psf soffit load.

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

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

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

Wind reactions based on MWFRS pressures.



1-6-0
0-11-14 Over 3 Supports
R=239 U=30 W=4"

PLT TYP. Wave

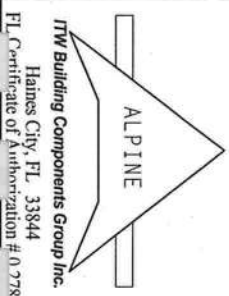
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

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

Scale =.5"/Ft.

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, 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 NICA (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 THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF THUSSES, BY AREA AND TPI, ITW BCG, INC. SHALL BE RESPONSIBLE. THIS DESIGN IS THE PROPERTY OF ITW BCG, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM ITW BCG, INC. 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 SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228 - 50265
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067104
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEON -	24877
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1TFL8228203

	Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense	
	Webb	2x4	SP	#3	M1, M7	2x4 SP #2 Dense:

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 4.00 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.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.

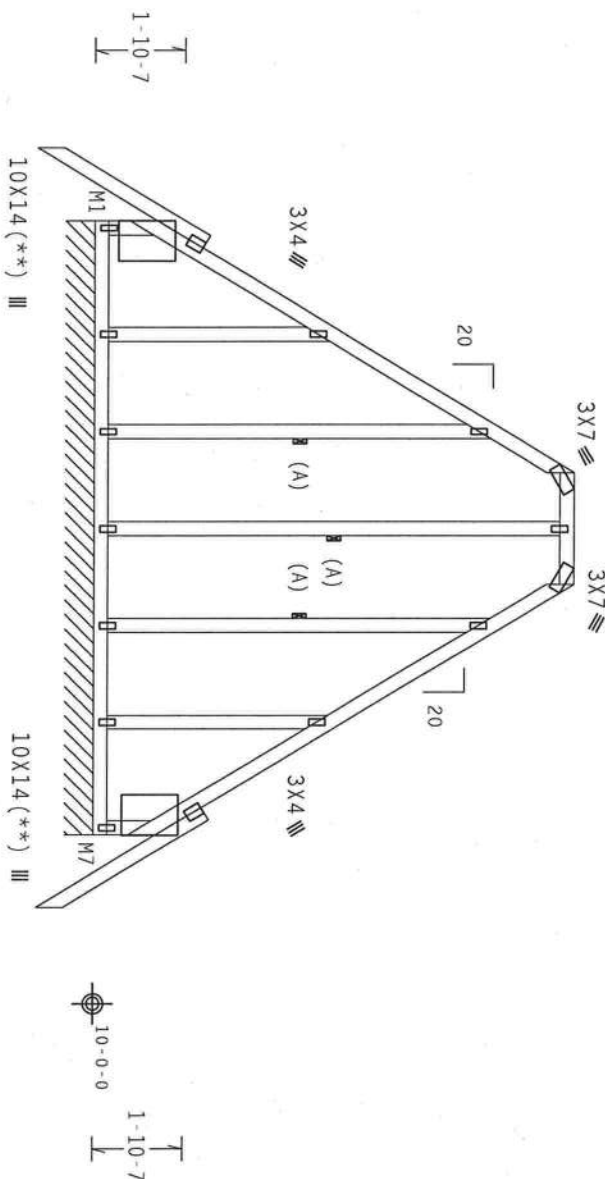
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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.

See DWG A110ISEED027 & GBLLETTIN0207 for more requirements.

(A) Continuous lateral bracing equally spaced on member.

Fasten rated sheathing to one face of this frame.



PLT TYP. Wave

Design Crit: TPI-2002(STD)
Cq/RT=1.00(1

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

7.37.053

QTY:1

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

Scale = .25" / Ft.

*WARNING: *TRUCKS (LOADING, EXTRACT, CARRY, INFORMATION), HANDLING, SHIPPING, INSTALLING, AND BRACING REFER TO GC-1 (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI (TROSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 65000 MIDWAY AVENUE, MOBILE, AL, 36689) FOR SAFETY PRACTICES AND WAYS TO PERFORMING THESE FUNCTIONS. INTERSESS INDICATED FOR GOOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED GIRD CEILING.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL Certificate of Authorization # 0778

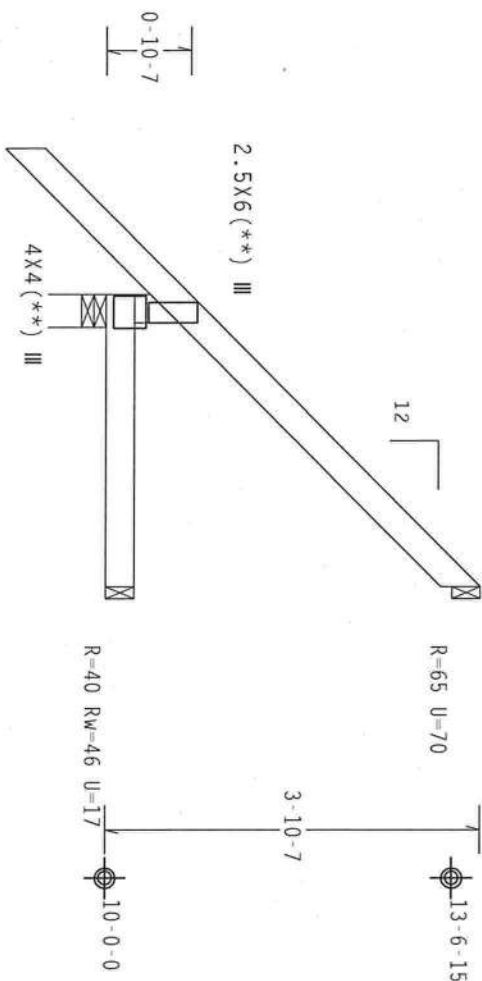


TC LL	20.0 PSF	REF	R8228 - 50266
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCSR8228 08067105
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN -	15619 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1TFL8228Z03

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 gcpl (+/-)=0.18

Wind reactions based on MWFRS pressures.



$\overleftarrow{1-6-0} \rightarrow$
 $\overleftarrow{3-0-0} \text{ Over } 3 \text{ Supports} \rightarrow$
 $R=271 \quad U=8 \quad W=4''$

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

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

7.24.12

QTY:1

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

Scale = .5" / Ft.

* **WARNING** * ** (BUILDING COMPONENT SAFETY INFORMATION) - HANDLING, SHIPPING, INSTALLING AND PACKAGING OF THIS PRODUCT MUST BE DONE IN ACCORDANCE WITH THE FOLLOWING INFORMATION. - PUBLISHED BY TPI (TROSS PASTE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND TPO (TROSS COUNCIL OF AMERICA), 65000 ENTERPRISE LANE, MIDDLETON, WI, 53519) FOR SAFETY PRACTICES AND PRIOR TO PERFORMING THESE FUNCTIONS. - UNLESS OTHERWISE INDICATED, TPO GROUND SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GROUND SHALL HAVE PROPERLY ATTACHED FIELD 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 TROSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/PFA) AND TPI. 1TM BGR
CONNECTOR PLATES ARE MADE OF 2018/1864 (N, H/55/K) ASTM A653 GRADE 40/60 (N, K/H/55) GALV. STEEL. APPLY

PLATES TO EACH FACE OF THOUS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS

DRAINING 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.



07.08

TC LL	20.0 PSF	REF	R8228 - 50267
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067106
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN -	24941
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1TFL8228Z03

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

Trusses or components connecting to this girder have been modified by the truss designer. The loading for this girder requires verification for accuracy.

110 mph wind, 21.46 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.

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

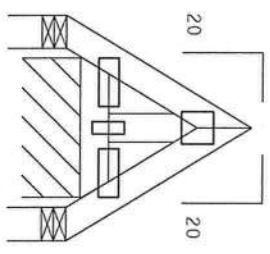
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun (0.128"x3", min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 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.

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.

4X4 ≡



20-6-12

2.5X6(B2) ≡

1.5X4 ≡

2.5X6(B2) ≡

0-8-9
0-8-9 0-8-9

2-3-12 Over 3 Supports

R=58 U-21 W=4.082"

R=33 PLF U=14 PLF W=1-5-3

R=58 U-21 W=4.082"

PLT TYP. Wave

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

7.37.052

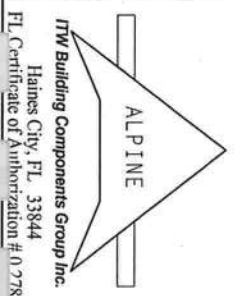
QTY:1

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

Scale =.5"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WPCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MORTON, MI 53179) 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 CELLING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. TRUSSES BY AREA AND TPI. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE IBC (2003) AND ASCE 7-02 (MIN. 40/60 OR 4/10/55) GALE, STEEL, LAPY 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 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	20.0 PSF	REF	R8228- 50268
TC DL	10.0 PSF	DATE	03/07/08
BC DL	2.0 PSF	DRW	HCUSR8228 08067107
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT. LD.	32.0 PSF	SEQN-	15545 REV
DUR. FAC.	1.25		
SPACING	24.0"	JREF -	1TFL8228203

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense : B1 2x6 SP #2:
Webs 2x4 SP #3 : W6 2x4 SP #2 Dense:

SPECIAL LOADS

TC - From	DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)	64 PLF at -1.50 to 6.37
TC - From	64 PLF at 6.37 to 12.37	64 PLF at 12.37 to 21.19
TC - From	64 PLF at 12.37 to 21.19	64 PLF at 21.19 to 29.14
TC - From	64 PLF at 21.19 to 29.14	64 PLF at 29.14 to 44.33
TC - From	64 PLF at 29.14 to 44.33	5 PLF at 0.00 to 12.67
BC - From	20 PLF at 0.00 to 12.67	20 PLF at 12.67 to 44.33
BC - From	20 PLF at 12.67 to 44.33	6.37
TC -	334 LB Conc. Load at 6.37	715 LB Conc. Load at 8.44
TC -	715 LB Conc. Load at 8.44	152 LB Conc. Load at 6.37
BC -	152 LB Conc. Load at 6.37	715 LB Conc. Load at 8.44

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

2 COMPLETE TRUSSES REQUIRED

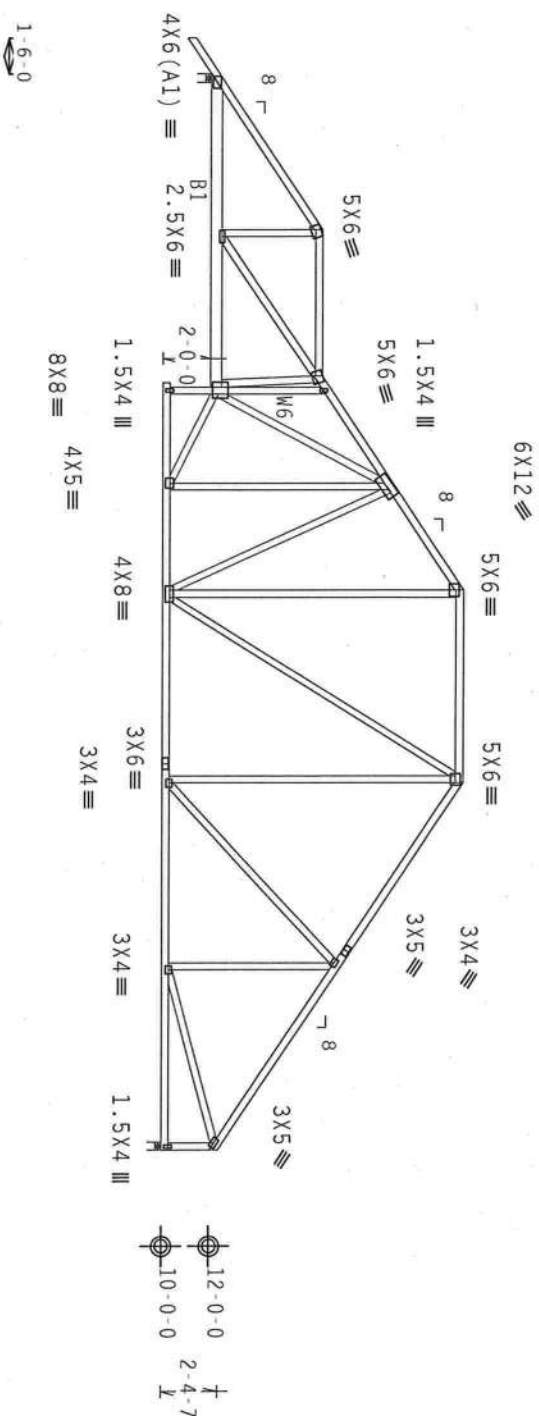
Nailing Schedule: (10d_Box or Gun_(0.128"x3",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 16.94 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.

Right end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.



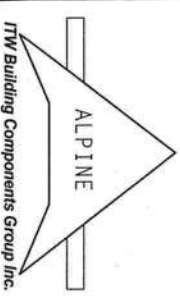
6-4-8 6-0-0 8-9-14 7-11-6 15-2-5
44-4-0 Over 2 Supports
R=3553 U=1140 W=4"
R=2191 U=627 W=4"

PLT TYP. Wave
Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12

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

Scale = .125"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (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.



NTW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0778



TC LL	20.0 PSF	REF R8228- 50269
TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCURS8228 08067108
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 23637
DUR.FAC.	1.25	
SPACING	24.0"	UREF- 1TFL8228Z03

110 mph wind, 16.94 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 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

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.



R=2262 U=590 W=5.657"

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

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

7.36.04

QTY:1

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

Scale = .125"/Ft.

WARNING: THESE RIGID EXISTING CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO GC-1 (QUILTING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PEALE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, FOR SALE (GOOD TRUSS COMPANY), INC., 62000 ENTERPRISE LANE, MADISON, WI, 53719 FOR SAFETY PRACTICES, PLEAS TO PERFORMING THESE OPERATIONS. OTHERWISE INDICATED FOR GOOD 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 # 00778



07.08

DUR. FAC

1.25

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

TC	From	DUR.FAC.=1.50 to	PLATE DUR.FAC.=1.25
TC	From	64 PLF at 11.25 to	64 PLF at 11.25
BC	From	5 PLF at -1.50 to	64 PLF at 35.63
BC	From	20 PLF at 0.00 to	5 PLF at 0.00
TC	120 LB Conc.	Load at 35.63	20 PLF at 35.63

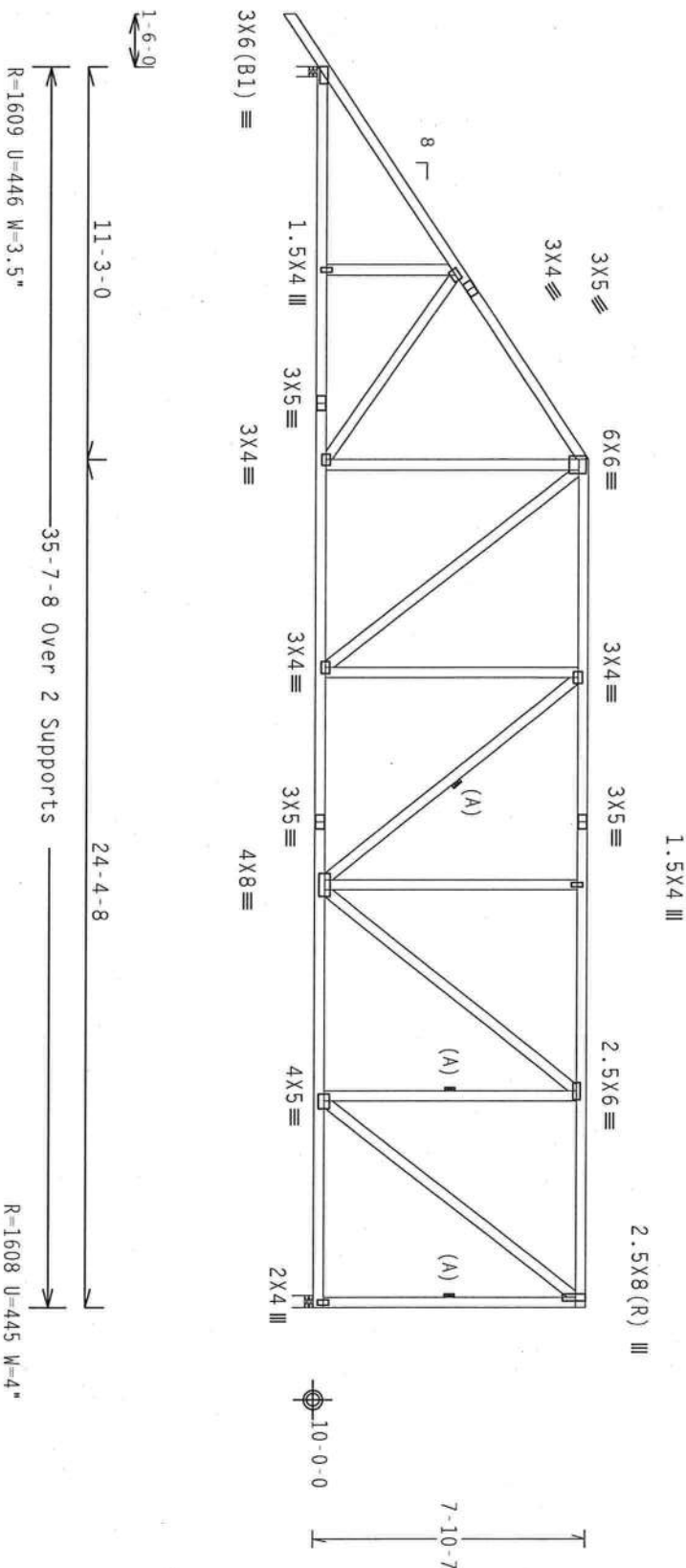
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC₁ DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 gcpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

(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
Cq/RT=1.00(1.25)

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

7.24.123

QTY:1

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

Scale = .1875"/Ft.

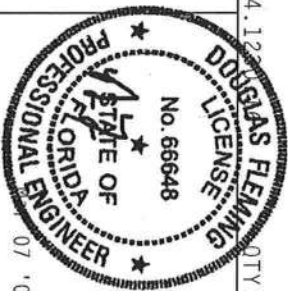
WARNING: THESE RIGGING COMPONENTS WERE CALE IN FABRICATION, MANUFACTURING, SHIPPING, INSTALLING, AND BRACING REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY THE STRESS PAPER INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND NICKI (6000 TRUSS COMPANY OF AMERICA, 65000 INDUSTRIAL ENTERPRISE LANE, MADISON, WI, 53719) FOR SAFETY PRACTICES, PRACTICES TO PERFORMING THESE COMPONENTS, UNLESS OTHERWISE INDICATED. FOR 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 # 0 278



TC LL	20.0 PSF	REF	R8228 - 50271
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067113
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	23772
DUR.FAC.	1.25		

SPACING

—

JREF- 1TF18228Z03

	Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP <td>#2</td> <td>Dense</td> <td></td>	#2	Dense	
	webs	2x4	SP <td>#3</td> <td></td> <td></td>	#3		

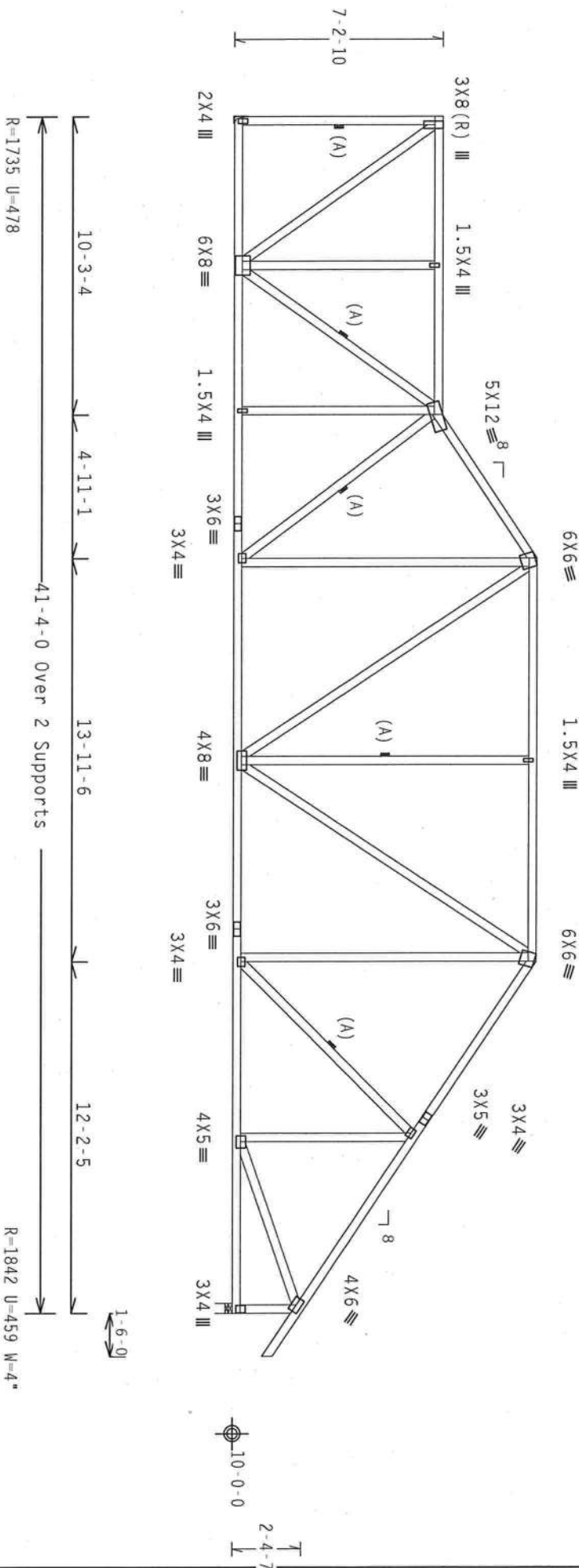
Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

110 mph wind, 15.94 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT 11, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 gcpi(+/-)-0.18

Max JT VERT DEFL: LL: 0.09" DL: 0.14" recommended camber 1/4"

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

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

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

Scale = .1875"/Ft.

[illegible]

****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.

PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2 CONNECTION PLATES ARE MADE OF 20/10/1600 (W, H, 55/K) ASIN A653 GRADE 40/60 (W, K/H, 55) GALV. STEEL. APPLY

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

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



07.08

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1TFL8228Z03

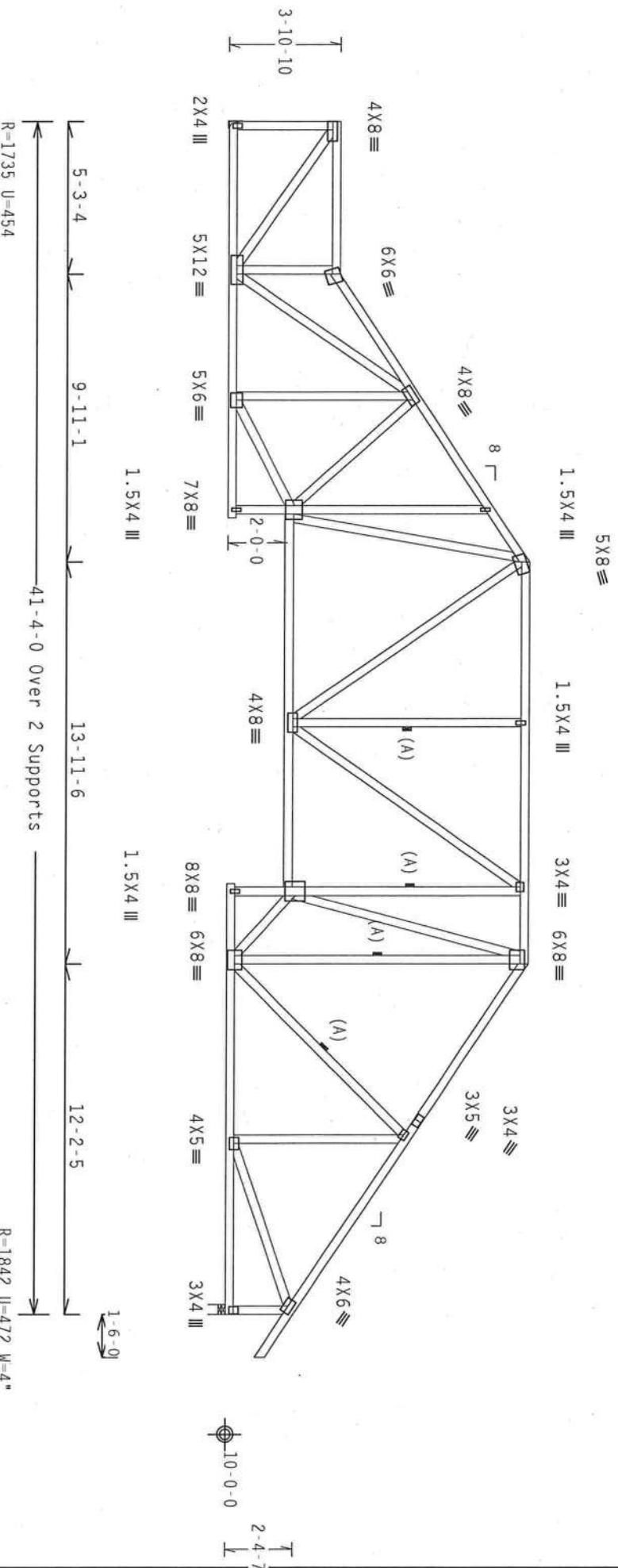
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

110 mph wind, 15.94 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC 15.0 ncf, wind RC 15.0 ncf, $lw=1.00$, $GCNf(4-)=0.18$

Roof overhang supports 2.00 psf soffit load.

Max JT VERT DEEL: 11 : 0.75" DI: 0.24" recommended cambar 3/8"

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

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

7.36.04

QTY:1

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

Scale = .1875"/Ft.

[illegible]

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THE NECESSARY PERMITS AND TO OBTAIN THE NECESSARY APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES. THE CONTRACTOR 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 USER. THE USER SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATING, INSTALLING, SHIPPING, HANDLING, AND BRACING OF THE TRUSS.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AWS (NATIONAL DESIGN SPEC., BY AISC) AND IP1. ITS BCG CONNECTOR PLATES ARE MADE OF 20/18/1564 (H, II/55/%) ASTM A553 GRADE 40/60 (H, K/H, 55) GALV. STEEL. APPLY

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS, 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002, SEC. 3.

DRIVING BUILDINGS AWARENESS OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE IRIS5 COMPONENT DESIGN SHOWN, THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/CTP1 SEC. 2.

W. K. LEE, J. H. KIM, AND J. H. KIM



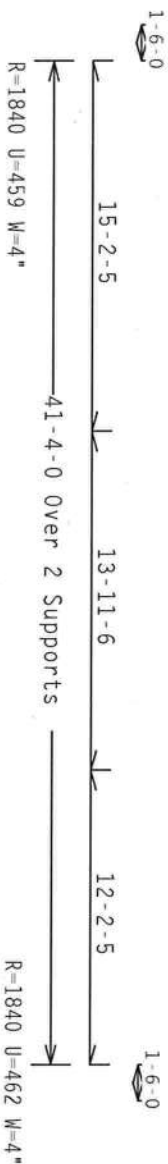
07, 08

DUR. FAC

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 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 MIFRS pressures.

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



Scale = .125"/Ft.

****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



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278



TC LL	20.0 PSF	REF	R8228- 50275
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067118
BC LL	0.0 PSF	HC-ENG	JB/DF *
TOT.LD.	40.0 PSF	SEQN-	23481
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TFL8228Z03

[illegible]

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. $I_w=1.00$ GCpf(+/-)=0.18

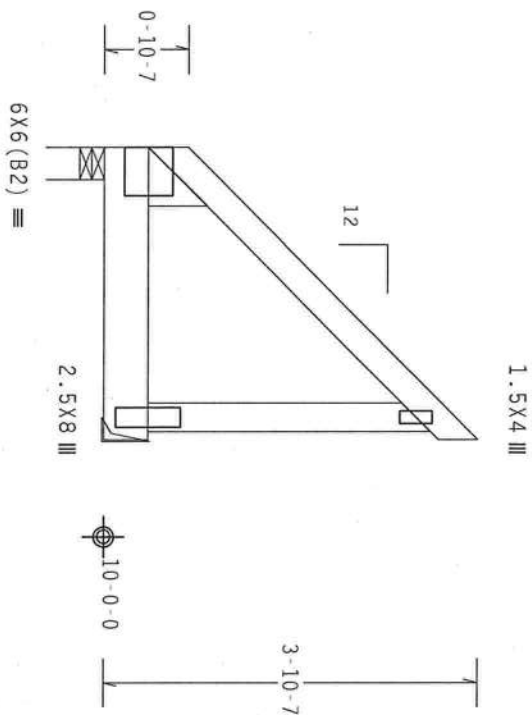
Wind reactions based on MWFRS pressures.

SPECIAL LOADS			
-----	LUMBER	DUR.FAC.=1.25	/ PLATE DUR.FAC.=1.25
TC -	From	68 PLF at 0.00 to	68 PLF at 3.00
BC -	From	20 PLF at 0.00 to	20 PLF at 3.00
BC -	1273 LB Conc.	Load at 0.73,	2.73

Right end vertical not exposed to wind pressure.

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.



R=1165 U=323 W=4"

R=1646 U=457

3-0-0 Over 2 Supports

PLT TYP. Wave

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

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

7.36.043

QTY:1

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

Scale = .5" / Ft.

WARNING: THESE RIGID CLADDING EXTREME CARE IN INSTALLATION, HANDLING, SHIPPING, INSTALLING AND PACKING. REFER TO GC-1 (QUILTING COMPONENT SAFETY INFORMATION) - PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 OR TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MOUNTAIN VIEW, CA 94039 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.

Haines City, FL 33844

FL Certificate of Authorization # 0 778



TC LL	20.0 PSF	REF	R8228 - 50276
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067119
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	78356
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TFL8228Z03

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

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

Wind reactions based on MFRS pressures.

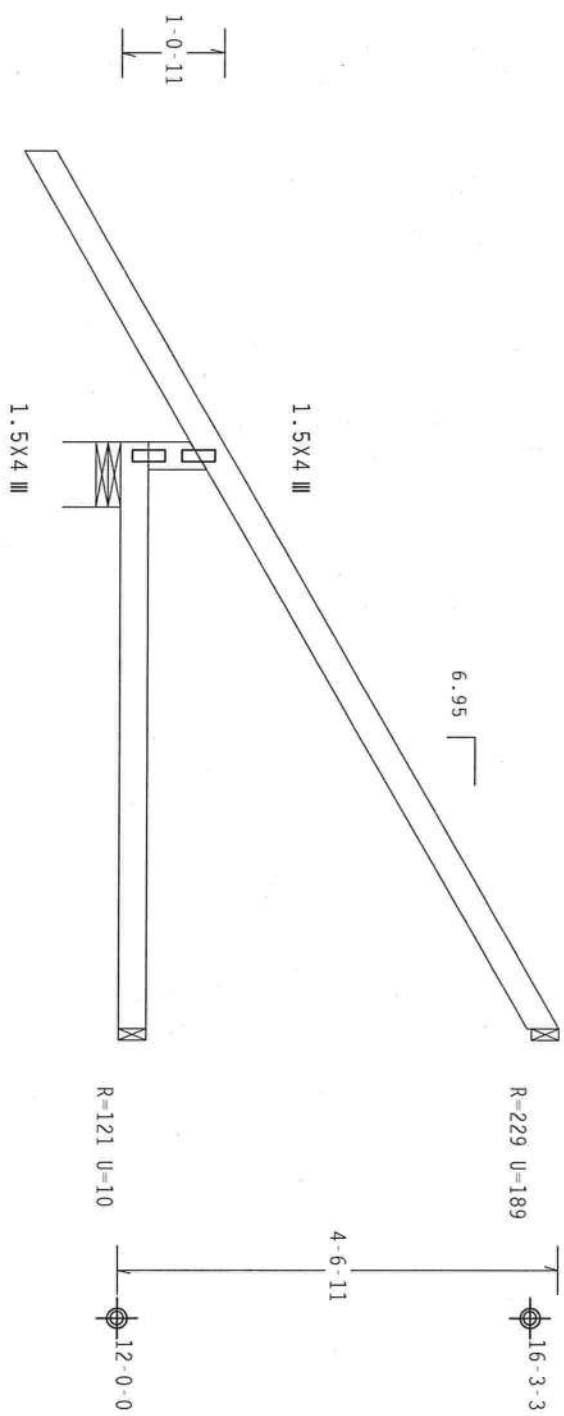
Roof overhang supports 2.00 psf soffit load.

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	63 PLF at -2.98 to	63 PLF at 6.05
BC - From	5 PLF at -2.98 to	5 PLF at 0.00
TC - From	20 PLF at 0.00 to	20 PLF at 6.05
TC -	60 LB Conc. Load at	2.08
TC -	19 LB Conc. Load at	3.24
TC -	94 LB Conc. Load at	5.54
BC -	22 LB Conc. Load at	2.08
BC -	34 LB Conc. Load at	3.24
BC -	28 LB Conc. Load at	5.54



2-11-13
6-0-9 Over 3 Supports
R=574 U=256 W=8.062"

PLT TYP. Wave

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

7.24.123

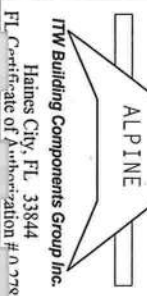
QTY:1

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

Scale = .5"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WCA (WOOD TRUSS CONNECT 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**** TURNISH 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. BY AERIAL AND TPI. CONNECTOR PLATES AND WELDS SHALL BE PROVIDED BY THE INSTALLER. THE INSTALLER SHALL BE RESPONSIBLE FOR THE PROPER BRACING OF THE TRUSS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK AS OF TPI-2002 SEC.2. 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	20.0 PSF	REF R8228- 50277
TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCUR8228 08067120
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEON- 24933
DUR.FAC.	1.25	
SPACING	24.0"	
UREF	1TFL8228Z03	

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 Gcp(+/-)=0.18

TC	From	64 PLF at -1.25 to	64 PLF at 1.25 to
TC	From	64 PLF at 1.25 to	64 PLF at 1.25 to
BC	From	5 PLF at -1.50 to	5 PLF at 0.00 to
TC	120 LB Conc.	Load at 35.63	

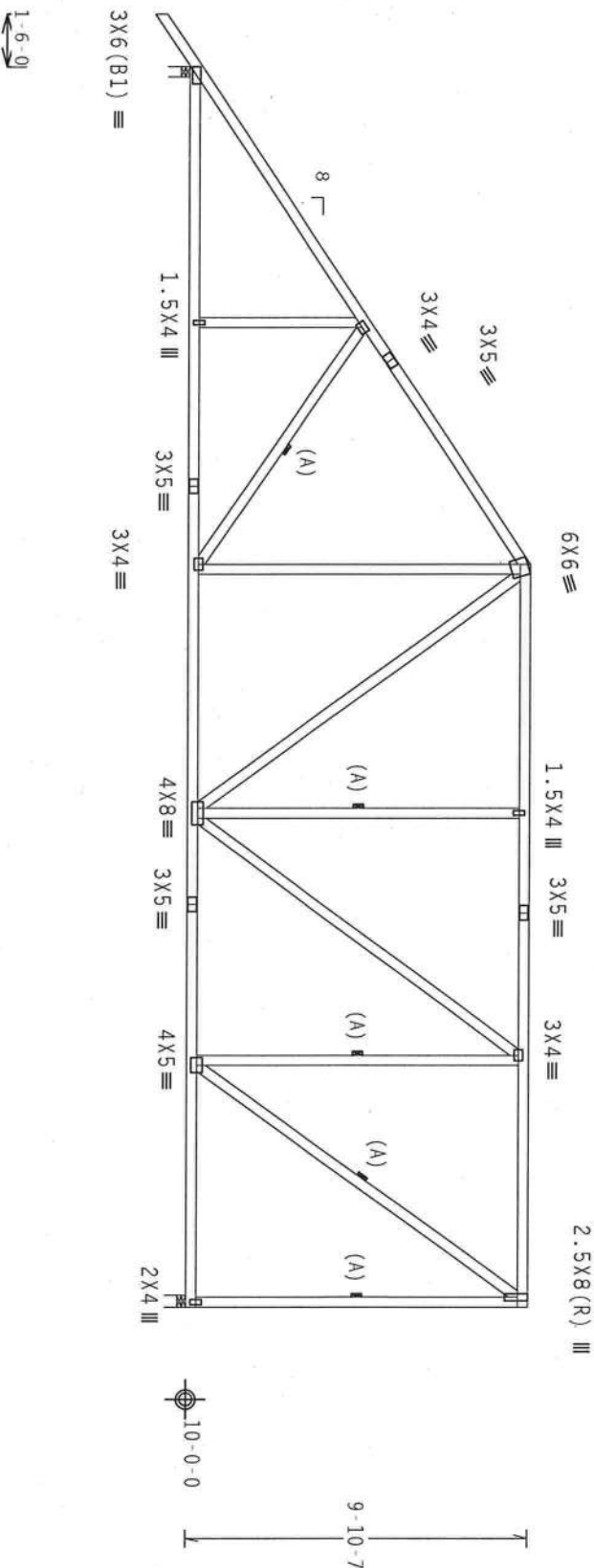
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

(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.



R=1609 U=446 W=3.5"

R=1608 U=445 W=4"

PLT TYP. Wave

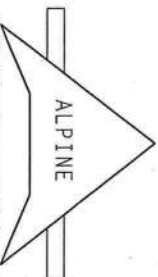
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)

 $Cq/RT=1.00(1.25)/10(0) \quad 7.24.123$

QTY:1

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

Scale = .1875"/Ft.



ITW Building Components Group Inc

Haines City, FL 33844

FL Certificate of Authorization # 0278

*****WARNING***** FIBRES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BURNING REFER TO DESIGN (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CRINSS PLANT INSTITUTE, 288 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND NICK (900) TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LAKE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNDESIRABLE PROPERTIES 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 THE ABOVE EXTRACTING, HANDLING, STORING, INSTALLING OR OPERATING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI. ITW BECA
CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H./S/K) ASTM A553 GRADE 40/60 (H. K/H.S) GALV. STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2-2
AN INSPECTION OF PLATES FOLLOWED BY A VISUAL CHECK OF THE SURFACE OF THE TRUSS SHALL BE REQUIRED.

AN INSPECTION OF THE TRUSS SHALL BE PER AMEA AS OF 1/1/11-2002 SEC.-3. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING 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/TOT 1 SEC.-2



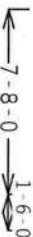
TC LL	20.0 PSF	REF	R8228 - 50278
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067121
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	23768
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1TFL8228Z03

110 mph wind, 16.94 ft mean hgt., ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC D=5.0 psf, wind BC D=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.

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



R=2380 U=623 W=5.657

Scale = .125"/Ft.

DOUGLAS
LICENSE
No. 66648

PROFESSIONAL ENGINEER

100

REF - 1TF18228Z03

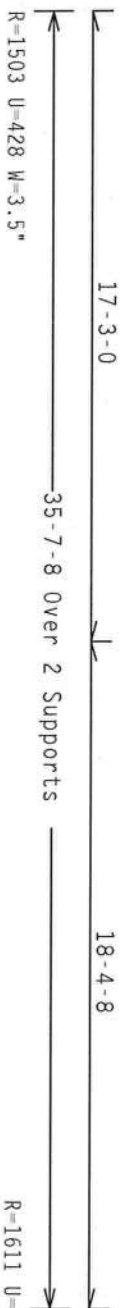
PIRELLA GÖTTSCHE LOWE (P&G DIFFERENTIATION) וימי זה עברו עלינו וזהו סוף המסע

110 mph wind, 16.12 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.

(A) Continuous lateral bracing equally spaced on member.

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

 $2.5 \times 6 =$ 

R=1611 U=461 W=4"

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

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

7.24.1238

QTY:1

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

Scale = .1875"/Ft.

WARNING: THESE BUILDING EXISTING GASE IN FABRICATION, MAINTENANCE, SHIPPING, INSTALLING, AND BROCHING REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRESS PASTL INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, FOR SAFETY, 65000 TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MIDDLETOWN, NJ, 07093 FOR SAFETY PRACTICES, AND PRACTICE TO PERFORMING THESE OPERATIONS. UNLESS OTHERWISE INDICATED, FOR CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERTY ATTACHED RIGID CEILING.

ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 0278



07.08

TC LL	20.0 PSF	REF	R8228 - 50280
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067123
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	23764
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TFL8228203

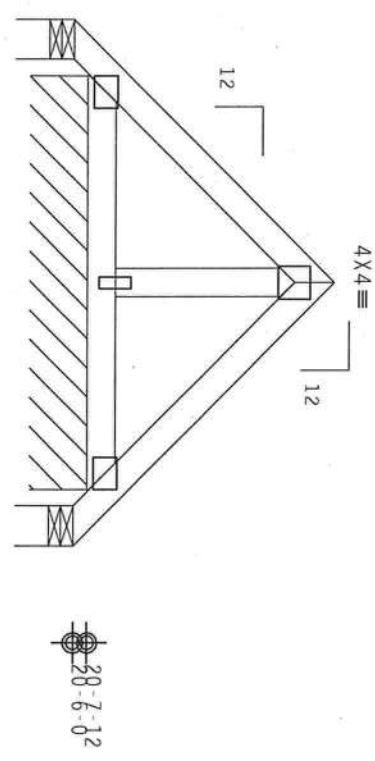
JREF- 1TF18228Z03

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
110 mph wind, 21.85 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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
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.

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback
details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE
BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.



3X4 (B1) \equiv 1.5X4 III 3X4 (B1) \equiv
2-1-8 2-1-8
5-4-14 Over 3 Supports
R=-4 RW=98 U=96 W=4.95"
R=87 PLF U=53 PLF W=4-3-0
R=-4 RW=22 U=20 W=4.95"

PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.13

OTY:1 FL/-/4/-/E/R/- Scale =.5"/ft.
TC LL 20.0 PSF REF R8228- 50281
TC DL 10.0 PSF DATE 03/07/08
BC DL 2.0 PSF DRW HCUSR8228 08067125
BC LL 0.0 PSF HC-ENG JB/DF
TOT.LD. 32.0 PSF SEQN- 24830
DUR.FAC. 1.25
SPACING 24.0"

ALPINE
Haines City, FL 33844
FL Certificate of Authorization #0778
ITW Building Components Group Inc.
Douglas Fleming
No. 66648
Professional Engineer
FLORIDA
07 '08
JREF- 1TFL8228203

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

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

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

Wind reactions based on MIFRS pressures.

Roof overhang supports 2.00 psf soffit load.

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)

IC	From	63 PLE at	9.01
BC	5 PLE at	5 PLE at	0.00

From	20 PLF at	0.00 to	20 PLF at	9.01
BC				

IC	34 LB Conc.	Load at 1.87
IC	-79 LB Conc.	Load at 1.87

TC	31 LB Conc.	Load at	1.07
			4.28

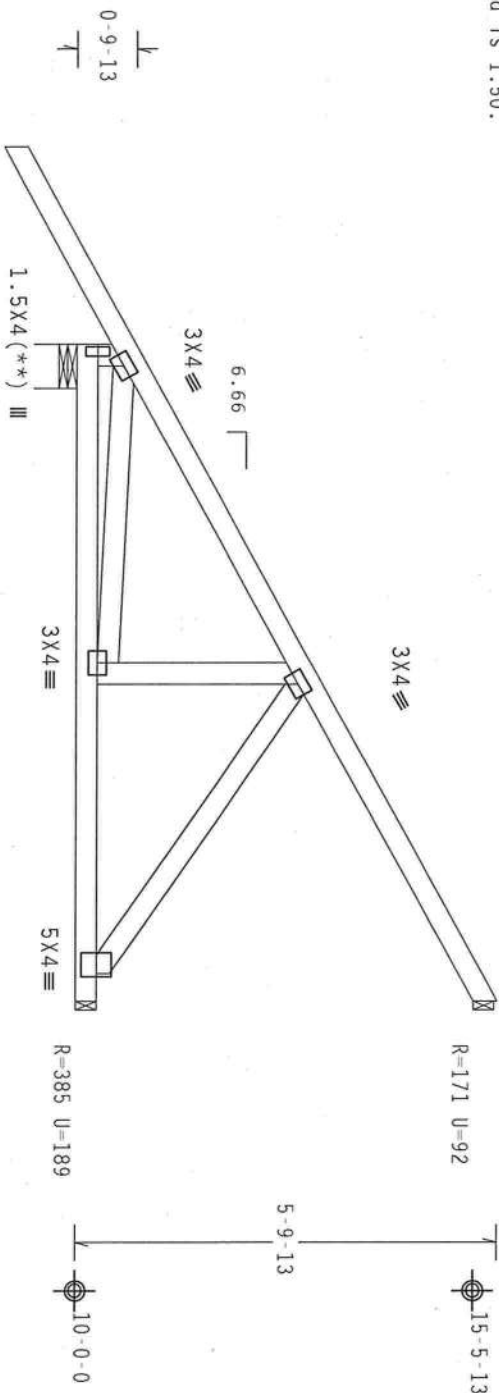
TC	98 LB Conc.	Load at 5.47
TC	98 LB Conc.	Load at 5.47

BC	50 LB Conc.	Load at 1.87
1C	50 LB Conc.	0.00
1C	50 LB Conc.	0.00

BC	36 LB Conc.	Load at 4.28
BC	36 LB Conc.	Load at 4.28

BC	45 LB Conc.	Load at	5.47
BC <td>46 LB Conc. <td>Load at <td>6.68</td> </td></td>	46 LB Conc. <td>Load at <td>6.68</td> </td>	Load at <td>6.68</td>	6.68

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523</
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2-8-7

9-0-3 Over 3 Supports
R=706 U=422 W=7.211"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.123

QTY:1

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

Scale = .375" / Ft.

WARNING: THESE RIGGING COMPONENTS ARE IN FACTORATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND/OR TRUSS COUNCIL OF AMERICA, 63000 INTERSTATE LANE, MOUNTAIN, NJ 07039 FOR SAFETY PRACTICES AND PERIOD TO PERFORMING THESE FUNCTIONS. INTERSESS DURING THE PERIOD INDICATED FOR GOOD 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. ITN BCG, INC. SHALL NOT

BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH T11; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/PDA) AND TPI.

CONNECTOR PLATES ARE MADE OF 20/18/166A (M.H./SS/K) ASTM A953 GRADE 40/700 (M.K/H-SS) GALV. STEEL. APPLY

PLATES TO EACH EARTH ANCHOR AND WIRE ATTACHED TO THE ANCHOR ON THE OUTSIDE OF THE WALL. POSITIONING AND SPACING OF PLATES TO EACH EARTH ANCHOR AND WIRE ATTACHED TO THE ANCHOR ON THE OUTSIDE OF THE WALL. POSITIONING AND SPACING OF

PLATES TO EACH TIE BESS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A AND 100B. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE DESIGN OF THIS SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE DESIGN OF THIS SEAL ON THIS DRAWING. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEAS OF TP11-2002 SEC.3.

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.

FL Certificate of Authorization # 0278

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844



07.08

SPACING 24.0"

JREF - 1TFL8228Z03

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

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.)_nails)

Top Chord:	1 Row	@12.00"	0.c.c.
Bot Chord:	1 Row	@12.00"	0.c.c.

WEDS : 1 ROW @ 4" O.C.

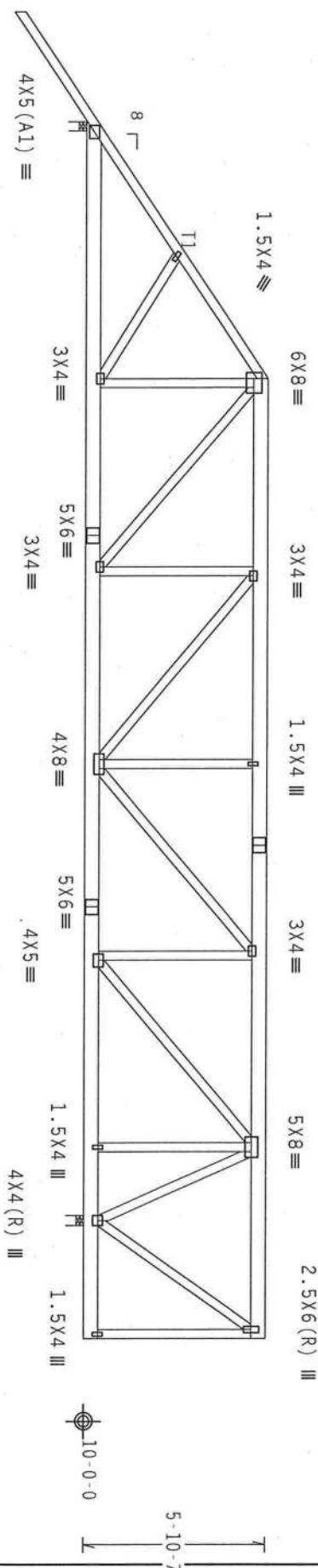
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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, $I_w=1.00$ gcpl (+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

$$5 \times 6 =$$


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

SPECIAL LOADS

	(LUMBER FAC=1.25 / PLATE FAC=1.25)	
TC - From	64 PLF at -3.54 to	64 PLF at 8.25
TC - From	64 PLF at -8.25 to	64 PLF at 39.29
BC - From	5 PLF at -3.54 to	5 PLF at 0.00
BC - From	20 PLF at 0.00 to	20 PLF at 39.29
TC - 145 LB Conc.	Load at 8.31,	10.31, 12.31, 14.31, 16.31
TC - 18.31, 20.31,	22.31, 24.31, 26.31,	28.31, 30.31, 32.31, 34.31
BC - 36.31,	38.31	
BC - 445 LB Conc.	Load at 8.25	12.31, 14.31, 16.31, 18.31
BC - 59 LB Conc.	Load at 10.31,	30.31, 32.31, 34.31, 36.31
BC - 20.31,	22.31, 24.31, 26.31,	28.31, 30.31, 32.31, 34.31
BC - 38.31		

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

QTY:1

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

Scale = .1875"/Ft.

R=3156 U=1440 W=3.5"

-39-3-8 Over 2 Supports

R=4040 U=2013 W=4

WARNING: THESE REINFORCING EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO OCSI (GEOLOGICAL COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CROSS PAPER INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND (800) TRUSS COMPANY OF AMERICA, 65000 ENTERPRISE LANE, MIDDLETON, WI 53519 FOR SAFETY PRACTICES PRIOR TO PERFORMING THE FIELD CONNECTIONS. UNLESS OTHERWISE INDICATED, THE 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. 1TH BCG, INC. SHALL NOT

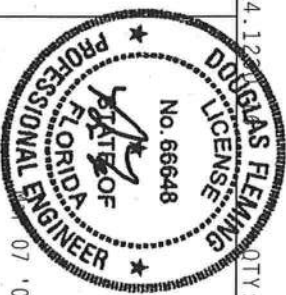
DESIGN CONCEPTS WITH APPLICABLE PROVISIONS OF AISC SPEC. FOR STEEL BUILT-UP MEMBERS, PART 1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2 CONNECTION PLATES ARE MADE OF 20/10/15mm (M, H, S, K) ASIM A653 GRADE 40/60 (M, K/H, S) GALV. STEEL. APPLY

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

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

FL Certificate of Authorization # 0000000000

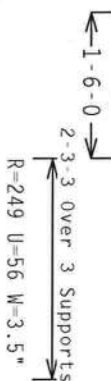


07.08

TC LL	20.0 PSF	REF	R8228- 50283
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCSR8228 08067127
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	23370
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TF8228203

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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.



Scale = .5" / Ft.

Haines City, FL 33844
FL Certificate of Authorization # 0778

TC LL	20.0 PSF	REF	R8228- 50284
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCU8R8228 08067128
BC LL	0.0 PSF	HC-ENG	JB/DF *
TOT.LD.	40.0 PSF	SEQN-	24881
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TF18228203

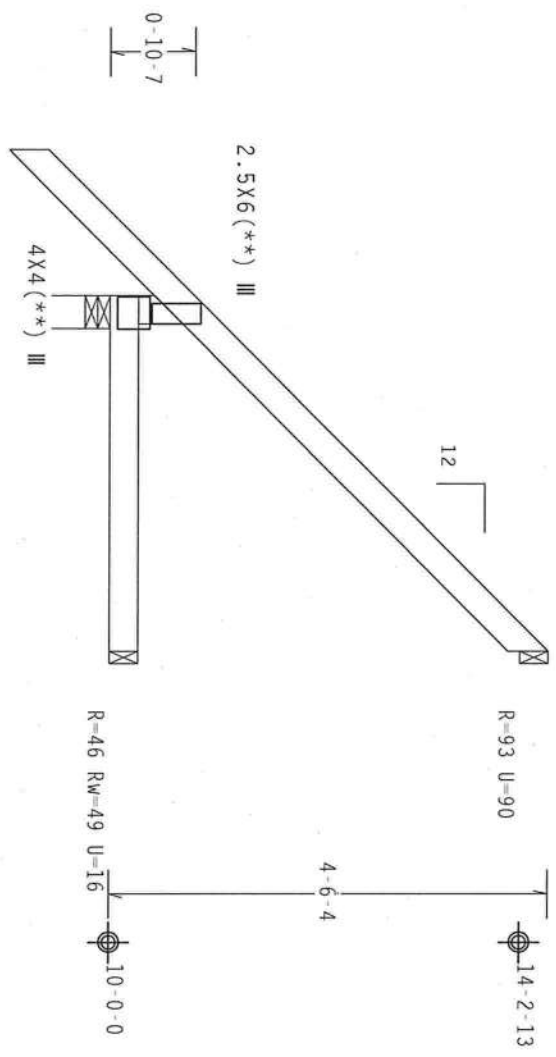
Scale = .5" / Ft.

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

Roof overhang supports 2.00 psf soffit load.

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

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{cpl}(+/-)=0.18$
Wind reactions based on MMFRS pressures.



←1-6-0→

←3-7-14 Over 3 Supports →

R=295 W=4"

PLT TYP. Wave

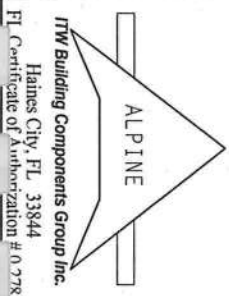
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

QTY:1 FL/-/4/-/E/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 TPI (TRUSS PLATE INSTITUTE, 210 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. TIV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. BY AERIAL AND TPI. TIV BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (94/4/SS/2) ASTM A653 GRADE 40/60 (4. X/1/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. 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 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	20.0 PSF	REF	R8228- 50285
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HGUSR8228 08067129
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT. LD.	40.0 PSF	SEON-	24667
DUR. FAC.	1.25		
SPACING	24.0"	JREF -	1TFL8228203

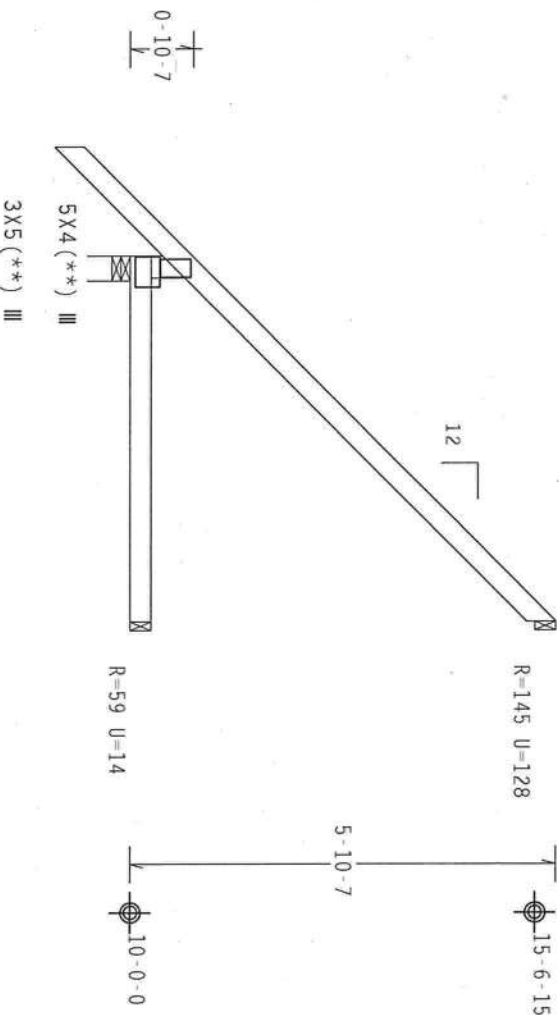
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#2	Dense

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 GCpi(+)=0.18

Wind reactions based on MFRS pressures.



✓ 1-6-0 ✓

$\leq 5-0-0$ Over 3 Supports \Rightarrow
 $R=348 \quad W=4''$

PLT TYP. Wave

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

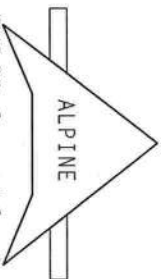
 $Cq/RT=1.00(1.25)/10(0)$

7.24.13

QTY:1

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

Scale = .375"/Ft.



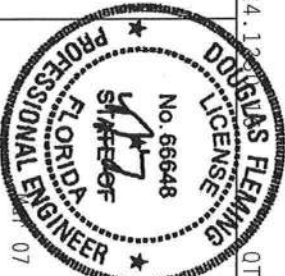
ITW Building Components Group Inc.

Haines City, FL 33844
FL Certificate of Authorization #00779

WARNING: FIRE'S CAUSING EXTREME CASE IN INFORMATION. HANDLING, SHIPPING, INSTALLING AND DRAGGING REFER TO 8051 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE TRUSS PRACTICE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WFLA (4000 TRUSS COMPANY) OF AMERICA, 6500 MIDWAY ENTERPRISE LANE, MADISON, AL 35119 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 GRID CELLING.

****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 BULD THE TRUSS IN CONFORMANCE WITH THE; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCGS SHALL BE RESPONSIBLE FOR DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI.

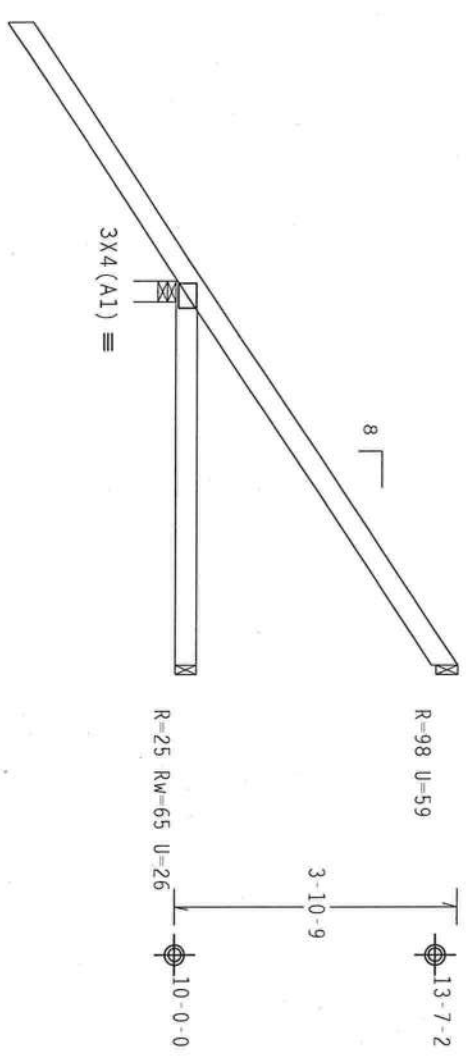
CONDUCTOR PLATES MADE OF 20/20/64 (K-10/55/55) ASSY GRAD 40/60 (K-1/4/35) GALV. STEEL, APPLIED TO EACH FACE OF THUSAS, AND 0.075/0.075/0.075 LOCATED ON THIS DESIGN, POSITION PER DRAWING 3.606-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMRX AS OF 1P11-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLDER FOR THE THUSAS COPPERING OF THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COPPERING FOR ANY BUILDING IS THE RESPONSIBILITY OF THE



TC LL	20.0 PSF	REF	R8228- 50286
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067130
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	24862
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TFL8228203

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Roof overhang supports 2.00 psf soffit load.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.
Top chord overhangs have been checked only for loads as indicates. Overhangs not checked for man loads or long-term deflection.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, 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.



3-6-8
5-3-3 Over 3 Supports
R=563 U=134 W=3.5"

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. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NITCA (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 TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN: ANY FAILURE OF THE TRUSS IN COMPLIANCE WITH THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, BY ALPINE AND TPI. TRUSSES SHALL BE DESIGNED TO SUPPORT A DEAD LOAD OF 20 PSF, A LIVE LOAD OF 20 PSF, AND A WIND LOAD OF 160A-2. 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 SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0778



:1 FL/-/4/-/E/R/-		Scale = .375"/Ft.	
TC LL	20.0 PSF	REF	R8228- 50287
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067131
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT. LD.	40.0 PSF	SEQN-	24885
DUR. FAC.	1.25		
SPACING	24.0"	JREF	- 1TFL8228203

[illegible]

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.

Calculated horizontal deflection is 0.11" due to live load and 0.23" due to dead load.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 5-10-0 to 19-1-8.


$$\frac{1}{0.107}$$

10-0-0

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

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

QTY:1

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

Scale = .1875"/Ft.

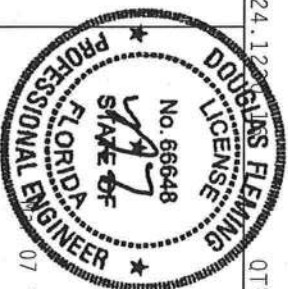
WARNING THESE HIGHLIGHTING EXTREMELY CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND PROJECTING TO NC51 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE TRUSS PLATING INSTITUTE, 218 NORTH LEE STREET, SUITE 512, ALEXANDRIA, VA, 22314, AND WEA AND WEA TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MIDDLETOWN, NJ 07093 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS. UNLESS OTHERWISE INDICATED, THE 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 Certificate of Authorization # 0 278



TC LL	20.0 PSF	REF	R8228 - 50288
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067132
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	24850
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1TF18228203

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

110 mph wind, 23.82 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=1.2 psf. $1w=1.00 \text{ gcpl}(+/-)=0.18$

Wind reactions based on MMFRS pressures.

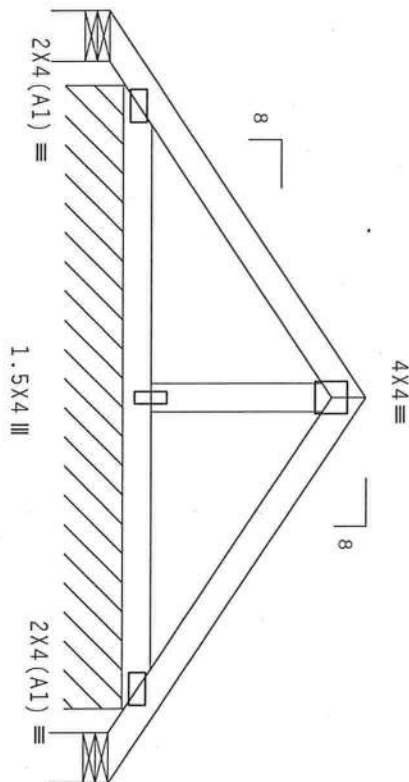
Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback
details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE
BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

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: 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.

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.



R=21 Rw=73 U=74 W=6.31"

R=85 PLF U=58 PLF W=6-4-12

R=21 Rw=28 U=25 W=6.31"

PLT TYP. Wave

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

QTY: 1

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

Scale = .5"/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), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN CONTRACTING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, BY ARCHITECT AND TPI. THE BCG DESIGN CONTRACTING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, BY ARCHITECT AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-11/16"X) ASH A65 GRADE 40/60 IN (41/16"X) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1600-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBX 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.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 0 778



07 '08

TC LL	20.0 PSF	REF R8228- 50289
TC DL	10.0 PSF	DATE 03/07/08
BC DL	2.0 PSF	DRW HCUSR8228 08067133
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	32.0 PSF	SEON- 23489
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1TFL8228203

Top chord 2x4 SP #2 Dense: T2, T4 2x8 SP SS:
Bot chord 2x8 SP SS : B3 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. Iw=1.00 GCPI(+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

See DWGS A1015EE0207 & GBLTIN0207 for more requirements.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

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

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: 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.

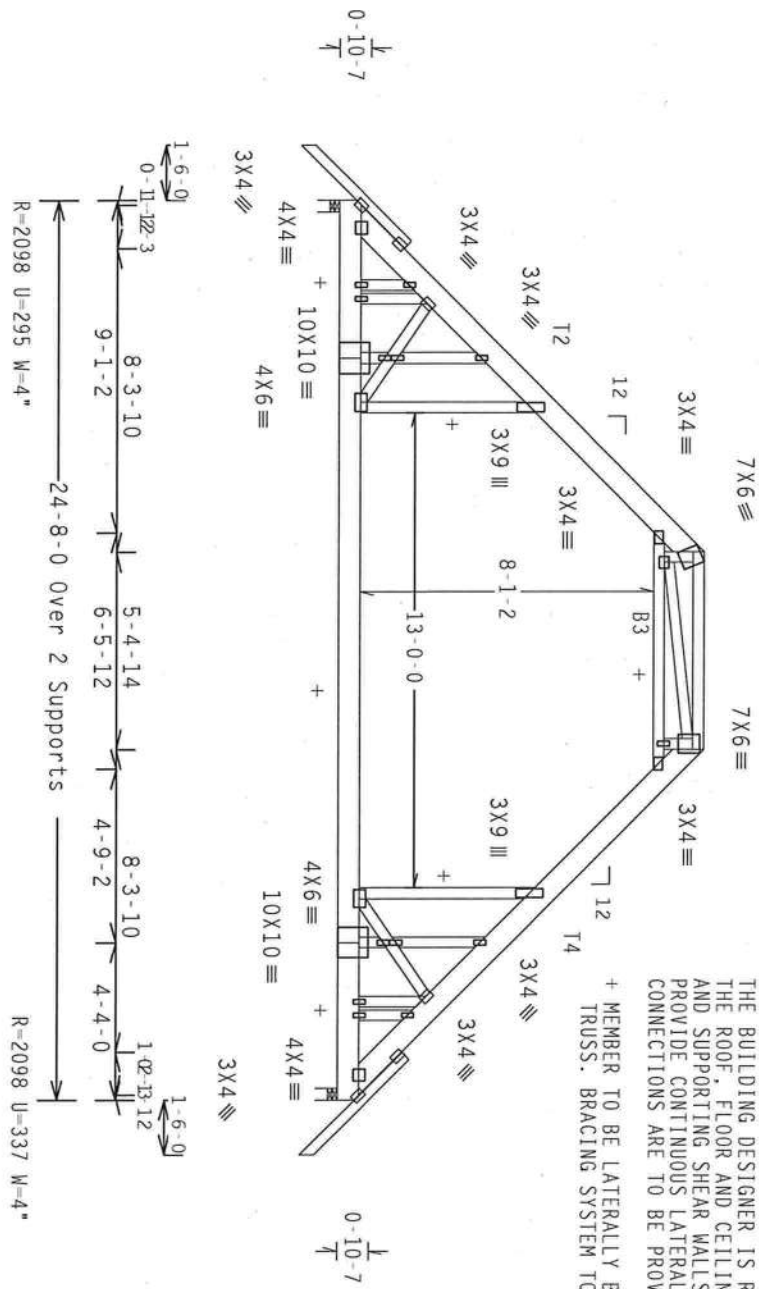
Wind reactions based on MMFRS pressures.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 4.00 PSF. Top chord must not be cut or notched.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 5-10-0 to 18-10-0.

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

+ MEMBER TO BE LATERALLY BRACED FOR WIND LOADS PERPENDICULAR TO TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.



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)

7.24.123 QTY:1

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

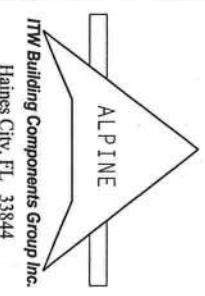
Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. AFTER TO BESS (CONSULTING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (6000 TRUSS CONNECT 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**** TURNISH 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 TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. BY AGENCY AND TPI.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BOSS (NATIONAL DESIGN SPEC. BY AGENCY AND TPI. BOSS (NATIONAL DESIGN SPEC. BY AGENCY AND TPI. BOSS (NATIONAL DESIGN SPEC. BY AGENCY AND TPI.

PLATES TO EACH FACE OF TRUSSES AND WEBS SHALL BE INDICATED BY DIMENSIONS PER DRAWING ON THIS DRAWING. INDICATES ACCEPTANCE OF 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 #4-0726

TC LL	20.0 PSF	REF	R8228 - 50290
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067157
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	23813
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TFL8228203

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

110 mph wind, 23.18 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=1.2 psf. $I_w=1.00$ 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.

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

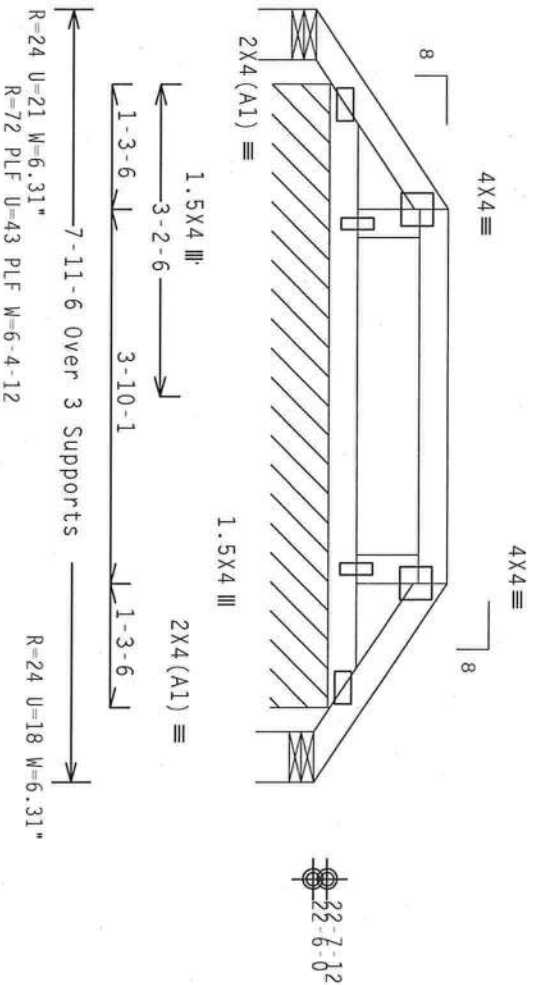
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.)_nails)

Top Chord: 1 Row @12.00" o.c.
Bot Chord: 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.

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.



PLT TYP. Wave

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

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

QTY:1

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

Scale = .5" / Ft.

WARNING: THIS IS A CRITICAL EXERCISE CASE. IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND DRIVING REFER TO EACH FOLLOWING COMPONENT SAFETY INFORMATION. PUBLISHED BY IPE TRUSS PANEL INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND NCA (NATIONAL TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MOBILE, AL 36619. FOR SAFETY PRACTICES PLEASE REFER TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

[illegible]

TC LL	20.0 PSF	REF	R8228- 50291
TC DL	10.0 PSF	DATE	03/07/08
BC DL	2.0 PSF	DRW	HCUSR8228 08067139
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	32.0 PSF	SEQN-	23618
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TFL8228Z03

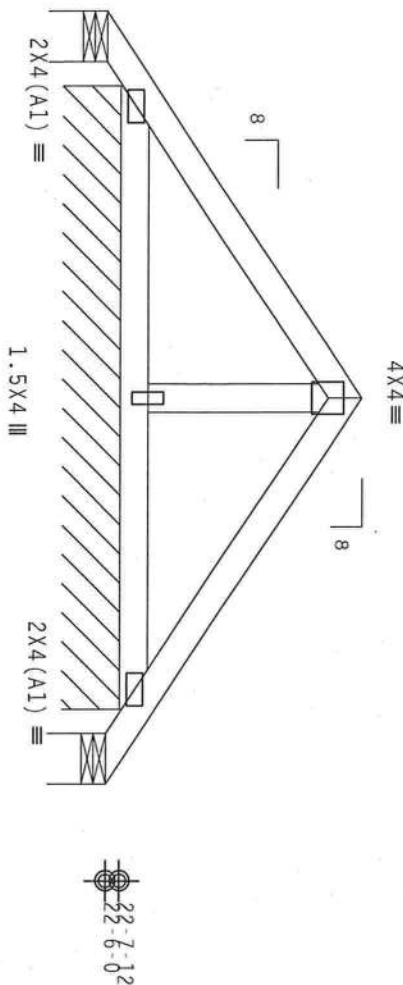
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

Refer to DWG PIGBACK0207 or PIGBACK0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 23.82 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.

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



R=-21 Rw=70 U=69 W=6.31"
R=85 PLF U=56 PLF W=6-4-12
R=-21 Rw=25 U=20 W=6.31"

PLT TYP. Wave

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

QTY:1

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

Scale = .5"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WCA (WOOD TRUSS 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 A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TPI 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. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WCA (WOOD TRUSS 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 A PROPERLY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

PL Certificate of Authorization #0-778



TC LL	20.0 PSF	REF	R8228- 50292
TC DL	10.0 PSF	DATE	03/07/08
BC DL	2.0 PSF	DRW	HCUSR8228 08067140
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	32.0 PSF	SEQN-	15567 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TFL8228203

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

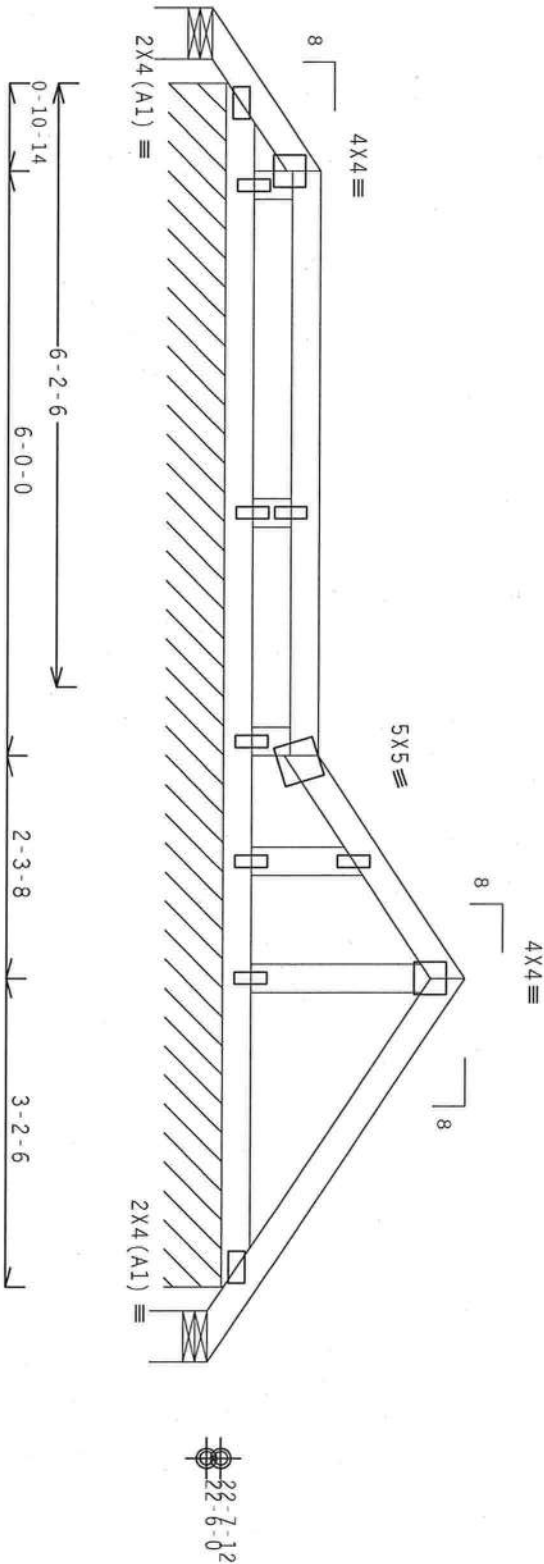
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 23.82 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=1.2 psf. IW=1.00 GCpl(+/-)=0.18

Wind reactions based on MMFRS pressures.



R-20 Rw=47 U=46 W=6.31"

R=74 PLF U=48 PLF W=12-4-12

Note: All Plates Are 1.5x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

7.24.123

QTY: 1

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

Scale = .5"/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, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND AISC (WOOD TRUSS 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 A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TPI BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. TRUSSES, BY ACPA AND TPI, THE BCG DESIGN CONTRACTORS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGNER'S SEAL, STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN ASSOCIATION OF ENGINEERS (100A-2). 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 AMS/TP1 SEC. 2.

ALPINE

NTW Building Components Group Inc.

Haines City, FL 33844

FLC certificate of Authorization #0-728



TC LL	20.0 PSF	REF	R8228- 50293
TC DL	10.0 PSF	DATE	03/07/08
BC DL	2.0 PSF	DRW	HCUSR8228 08067141
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	32.0 PSF	SEQN-	23513
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TFL8228203

110 mph wind, 24.23 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=1.2 psf. Iw=1.00 Gcpi (+/-)-0.18

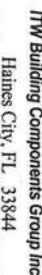
Wind reactions based on MWFRS pressures.

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

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details. POSITION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.



Scale = .5"/Ft.



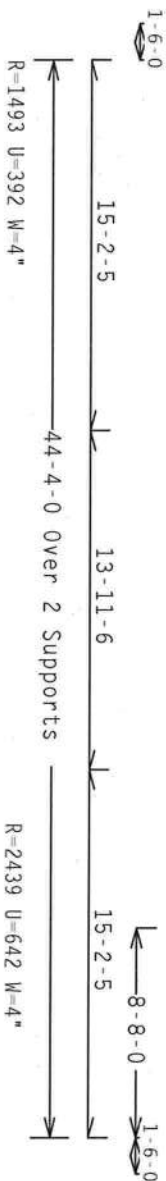
TC LL	20.0 PSF	REF	R8228- 50294
TC DL	10.0 PSF	DATE	03/07/08
BC DL	2.0 PSF	DRW	HCUSR8228 08067142
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	32.0 PSF	SEGN-	23522
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1TFL8228Z03

110 mph wind, 16.94 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 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.

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

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



Scale = .125" / Ft.

TC LL	20.0 PSF	REF	R8228 - 50295
TC DL	10.0 PSF	DATE	03/07/08

BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN - 78527
DUR.FAC.	1.25	

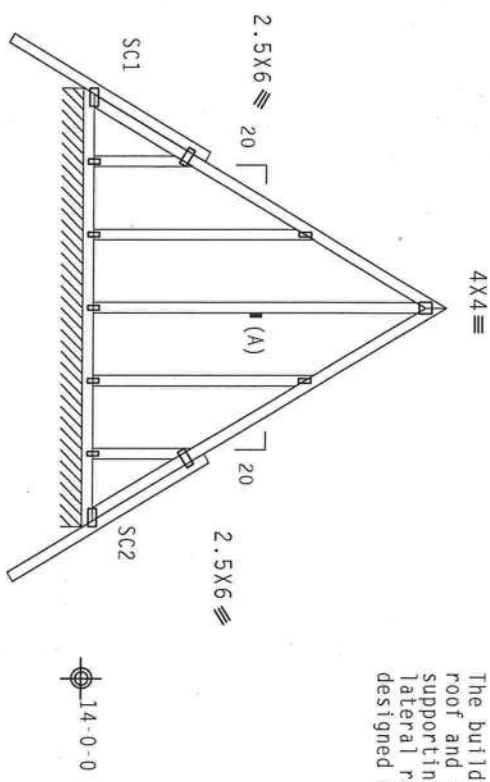
SPACING	24.0"	JREF- 1TFL8228Z03
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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Weds 2x4 SP #3
:Stack Chord SC1 2x4 SP #2 Dense:
:Stack Chord SC2 2x4 SP #2 Dense:

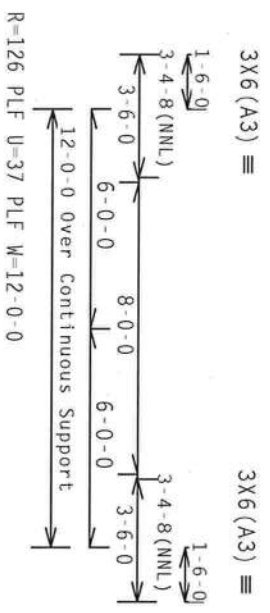
Roof overhang supports 2.00 psf soffit load.

See DNGS A11030EE0207 & GBLLETIN0207 for more requirements.

Stacked top chord must NOT be notched or cut in area (NNL).
Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.



110 mph wind, 19.16 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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$
Wind reactions based on MMFRS pressures.
Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 4.00 PSF. Top chord must not be cut or notched.
(A) Continuous lateral bracing equally spaced on member.
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.
The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.



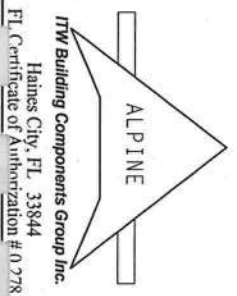
Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

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

****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, 6200 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. THE BCS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. BY APPROVING THIS DESIGN, THE BCS, INC. HAS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL BUILDING CODES, AS AMENDED BY THE BCS, INC. CONNECTOR PLATES ARE MADE OF 20/18/16GA (U-H/SS/RS) ASH AREA GRADE 40/60 (K 470/55) 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 AMEX A3 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.



QTY:1		FL/-/4/-/E/R/-		Scale = .1875"/ft.	
TC LL	20.0 PSF	REF	R8228- 50296		
TC DL	10.0 PSF	DATE	03/07/08		
BC DL	10.0 PSF	DRW	HCUSR8228 08067143		
BC LL	0.0 PSF	HC-ENG	JB/DF		
TOT.LD.	40.0 PSF	SEON-	23591		
DUR.FAC.	1.25				
SPACING	24.0"	JREF-	1TF18228203		

[illegible]

110 mph wind, 21.46 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. $I_w=1.00$ 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.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.


$$2.5 \times 6(B2) \equiv$$

R=33 PLF U=31 PLF W=1-5-3

 $R=58 \quad U=52 \quad W=4.082$

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

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

7.24.123

QTY:1

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

Scale = .5" / Ft.

4.123
DOUGLAS FLEMING
LICENSE
No 66648
OTY

[illegible]

30, LO
NEER

BC LL	0.0 PSF
TOT.LD.	32.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

HC-ENG JB/DF
SEQN - 23583
JREF - 1TFL8228Z03

[illegible]

110 mph wind, 21.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DE=5.0 psf, wind BC DE=5.0 psf, Iw=1.00 GCp(+/-)=0.18

Wind reactions based on MMFRS pressures.
See DWG VALTRUSS0207 for valley details.



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

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


7.24.1230

QTY:1

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

Scale = .375"/Ft.

DOUGLAS
LICENSE
No. 66648



ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 0278



30. 19

TC LL	20.0 PSF	REF	R8228- 50299
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067147
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	23711
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TF18228203

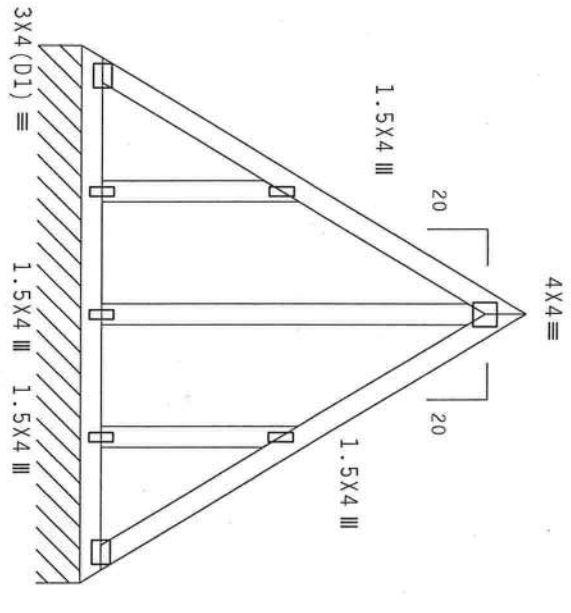
JREF - 1TFL8228Z03

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

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

110 mph wind, 21.67 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 MMFRS pressures.
See DWG VALTRUSS0207 for valley details.



R-98 PLF U=21 PLF W=7-4-5

PLT TYP. Wave

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

7.24.12

OTY:1

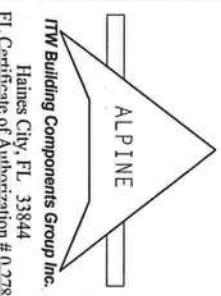
FL/-/4/-/E/R/-

Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 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 FOR GOOD 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. THE DCS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATOR, HANDLING, SHIPPING, INSTALLING AND BRACING. THE DCS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATOR, HANDLING, SHIPPING, INSTALLING AND BRACING.

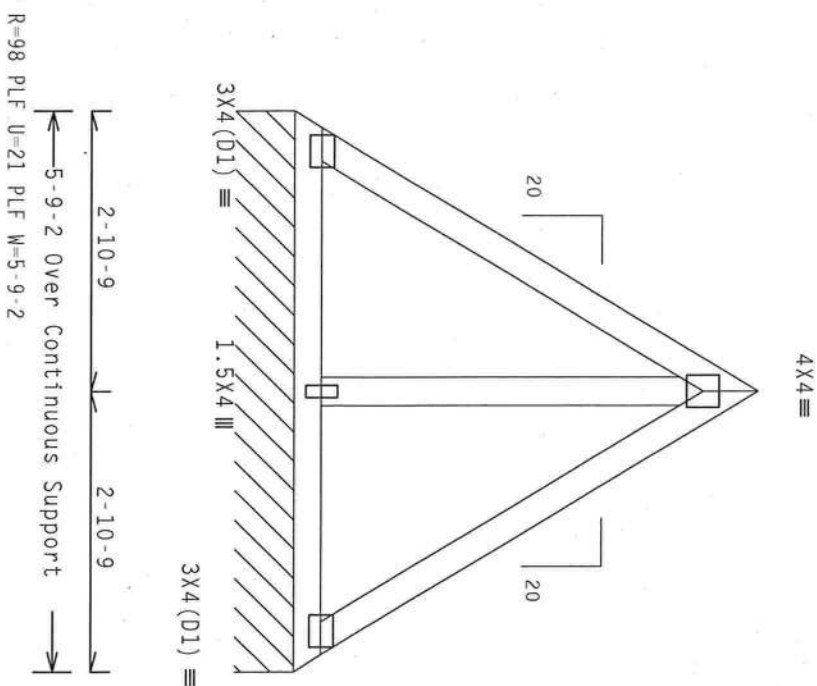
CONTRACTOR WITH MORE THAN ONE TRUSS SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TPI-2002 SEC. 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



FL/-/4/-/E/R/-		Scale = .375"/Ft.	
TC LL	20.0 PSF	REF	R8228- 50300
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067148
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	23715
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TFL8228Z03

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

110 mph wind, 22.33 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



19-9-7

PLT TYP. Wave

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

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

7.24.1236

QTY:1

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

Scale = .5" / Ft.

WARNING: ALL TRUSSES BEARING EXTERIOR CEA, HANDLING, SHIPPING, INSTALLING, AND BROCKING REFER TO GC-1 (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY THE TRUSS PRACTICE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, (800) TRUSS COUNCIL, OR AMERICA 650000 ENTERPRISE LANE, MOBILE, AL 36689 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 *** (FORNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITN BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. IF ANY FAILURE TO BUILD THE TUBS IN CONFORMANCE WITH THE DESIGN IS NOTICED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION.)

DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) DESIGN COMPANIONS ARE MADE OF 2010/1650 (A36/SSY) ASTM A563 GRADE 40/60 (A 270-55) GALV. STEEL. APPLY PLATES TO EACH PAIR OF TUBS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1606-2 THROUGH 1606-5.

DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THIS COMPONENT. THE DESIGN SHOWN, THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/T11.1 SEC. 2.



TC LL	20.0 PSF	REF	R8228- 50301
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067149
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	23719
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TFL8228Z03

110 mph wind, 23.00 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

Wind reactions based on MMFRS pressures.
See DWG VALTRUSS0207 for valley details.



Scale = .5"/Ft.



TC LL	20.0 PSF	REF	R8228- 50302
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCSR8228 08067150
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEON-	23723
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TF18228203

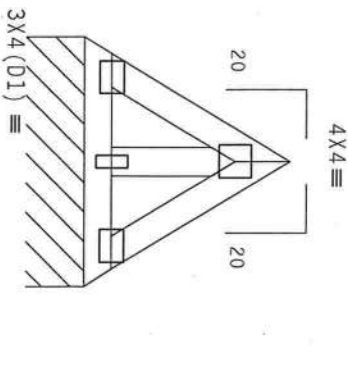
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 23.67 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.

See DWG VALTRUSS0207 for valley details.



22'-5" 7"

1-3-6 1-3-6
2-6-11 Over Continuous Support
R=96 PLF U=18 PLF W=2-6-11

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24.12

QTY: 1 FL/-/4/-/E/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 TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WICA (WOOD TRUSS 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 A PROPERLY ATTACHED RIGID CELLING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR THE FABRICATION OF THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TPI OR FABRICATING MANUFACTURER'S INSTRUCTIONS, OR ANY FAILURE TO BRACE THE TRUSS IN CONFORMANCE WITH THE TPI OR FABRICATING MANUFACTURER'S INSTRUCTIONS. BY ACPA AND TPI, ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR WOOD), ASHRAE 90.1-2001, ASHRAE 62.1-2001, ASHRAE 55-2001, ASHRAE 62.2-2001, ASHRAE 62.3-2001, ASHRAE 62.4-2001, ASHRAE 62.5-2001, ASHRAE 62.6-2001, ASHRAE 62.7-2001, ASHRAE 62.8-2001, ASHRAE 62.9-2001, ASHRAE 62.10-2001, ASHRAE 62.11-2001, ASHRAE 62.12-2001, ASHRAE 62.13-2001, ASHRAE 62.14-2001, ASHRAE 62.15-2001, ASHRAE 62.16-2001, ASHRAE 62.17-2001, ASHRAE 62.18-2001, ASHRAE 62.19-2001, ASHRAE 62.20-2001, ASHRAE 62.21-2001, ASHRAE 62.22-2001, ASHRAE 62.23-2001, ASHRAE 62.24-2001, ASHRAE 62.25-2001, ASHRAE 62.26-2001, ASHRAE 62.27-2001, ASHRAE 62.28-2001, ASHRAE 62.29-2001, ASHRAE 62.30-2001, ASHRAE 62.31-2001, ASHRAE 62.32-2001, ASHRAE 62.33-2001, ASHRAE 62.34-2001, ASHRAE 62.35-2001, ASHRAE 62.36-2001, ASHRAE 62.37-2001, ASHRAE 62.38-2001, ASHRAE 62.39-2001, ASHRAE 62.40-2001, ASHRAE 62.41-2001, ASHRAE 62.42-2001, ASHRAE 62.43-2001, ASHRAE 62.44-2001, ASHRAE 62.45-2001, ASHRAE 62.46-2001, ASHRAE 62.47-2001, ASHRAE 62.48-2001, ASHRAE 62.49-2001, ASHRAE 62.50-2001, ASHRAE 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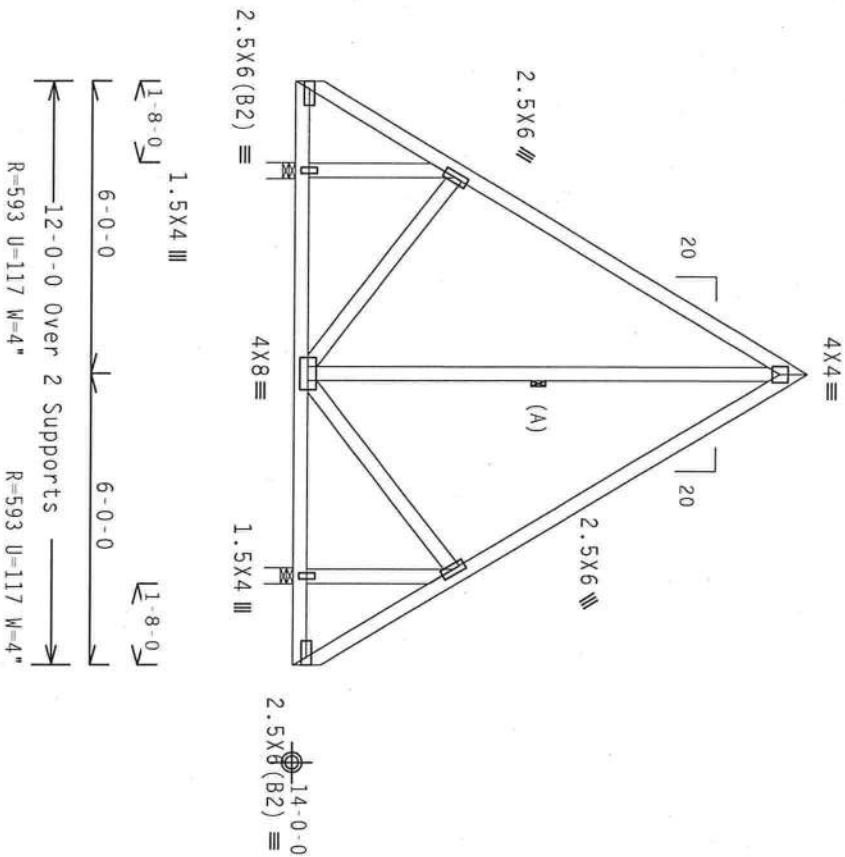
JREF- 1TFL8228Z03

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

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

110 mph wind, 19.59 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.

(A) Continuous lateral bracing equally spaced on member.



PLT TYP. Wave

Design Crit: TPI-2002(STD)

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

7.37.05

QTY:1

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

Scale = .25" / Ft.

WARNING: THESE PROFILES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO DESIG. (BUILDING COMPONENT SPEC. INFORMATION). PUBLISHED BY THE STRESS PANEL INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALAMOGORDO, VA, 22314 AND (800) 788-3333. THE STRESS PANEL INSTITUTE, 6300 ENTERPRISE LANE, MOBILE 312, 36719 FOR SAFETY PRACTICES AND PLEA TO PERFORMING THE FUNCTIONS, UNLESS OTHERWISE INDICATED, FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****

APPROXIMATELY 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 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) 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

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2 ANY INSPECTION OF PLATE'S FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TB11-2002 SEC 3

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.

Figure 1

ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 00778



TC LL	20.0 PSF	REF	R8228- 50306
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067154
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	15586 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TF18228203

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

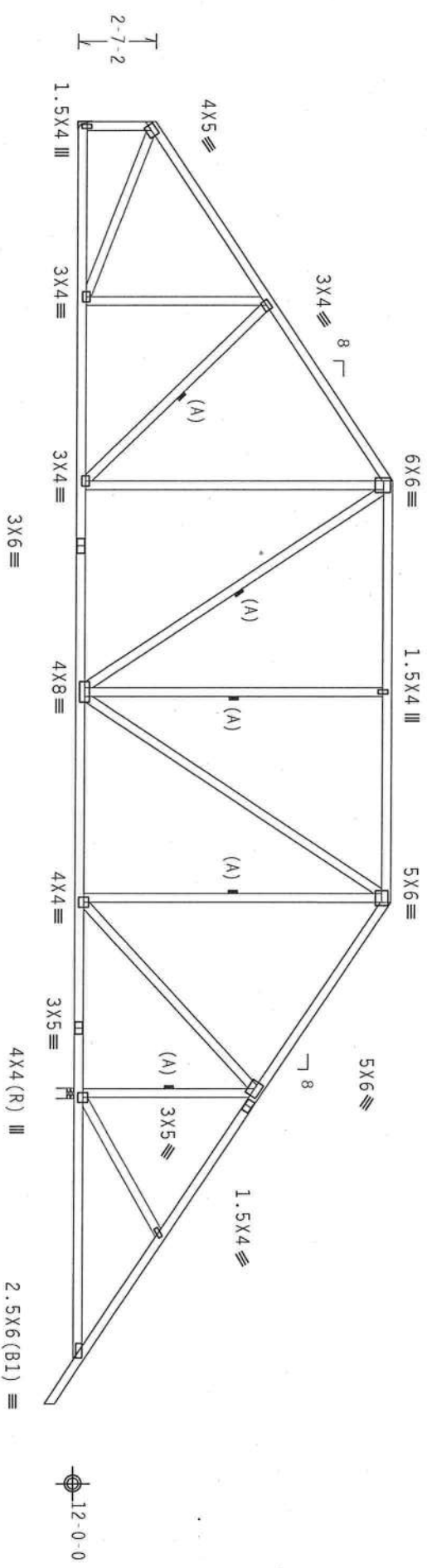
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 16.94 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MMFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

NOTE:
TRUSS MAY EXHIBIT UNDESIRABLE DEFLECTION UNDER FULL DESIGN LOAD. AS THE LONG TERM EFFECTS OF CREEP HAVE NOT BEEN CONSIDERED FOR THIS DESIGN



11-10-5 13-11-6 15-2-5 8-8-0 1-6-0
41-0-0 Over 2 Supports
R=1229 U-331 R=2319 U-530 W=4"

PLT TYP. Wave

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

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

Scale = .1875"/ft.

WARNING: THESE TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 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. TPI 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. TPI 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.

CONNECTIONS: ALL TRUSS MEMBERS SHALL BE CONNECTED TO THE CHORDS AND BRACING WITH TPI BCG CORNER PLATES. ALL TRUSS MEMBERS SHALL BE CONNECTED TO THE CHORDS AND BRACING WITH TPI BCG CORNER PLATES. ALL TRUSS MEMBERS SHALL BE CONNECTED TO THE CHORDS AND BRACING WITH TPI BCG CORNER PLATES.

ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization #0-778



TC LL	20.0 PSF	REF	R8228- 50307
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067104
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	78532
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TFL8228Z03

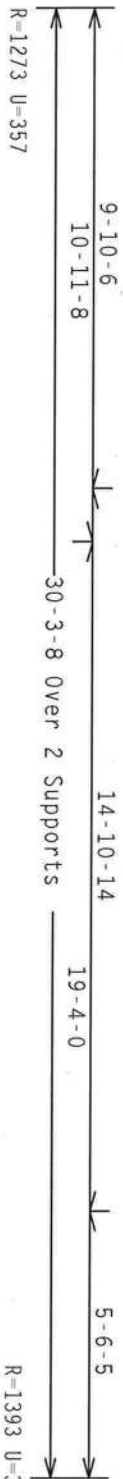
110 mph wind, 15.21 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 gcpi(+/-)=0.18

Right end vertical not exposed to wind pressure

(A) Continuous lateral bracing equally spaced on member.

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

1.5X4 III

 $4 \times 8 =$ $3 \times 4 =$ $4 \times 8 =$ 

R=1393 U=391 W=4"

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

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

7.36.042

QTY:1

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

Scale = .25" / Ft.

WARNING: FIBER GLASS REINFORCED EXTERIOR CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND REPAIRING REFER TO GC-1 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY FBI CRASS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MICA (4000 TRUSS COMPANY OF AMERICA, 65000 ENTERPRISE LANE, MADISON, WI, 53719) FOR SAFETY PRACTICES AND TECHNIQUE TO PREVENTING THESE OCCURRENCES. UNDESIRABLE OUTCOMES INDICATED FOR 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

FI Certificate of Authorization # 00778



07 '08

DUR.FAC. 1.25

SPACING 24.0"

JREF - ITFL8228Z03

JREF - 1TF18228703

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

110 mph wind, 20.18 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.

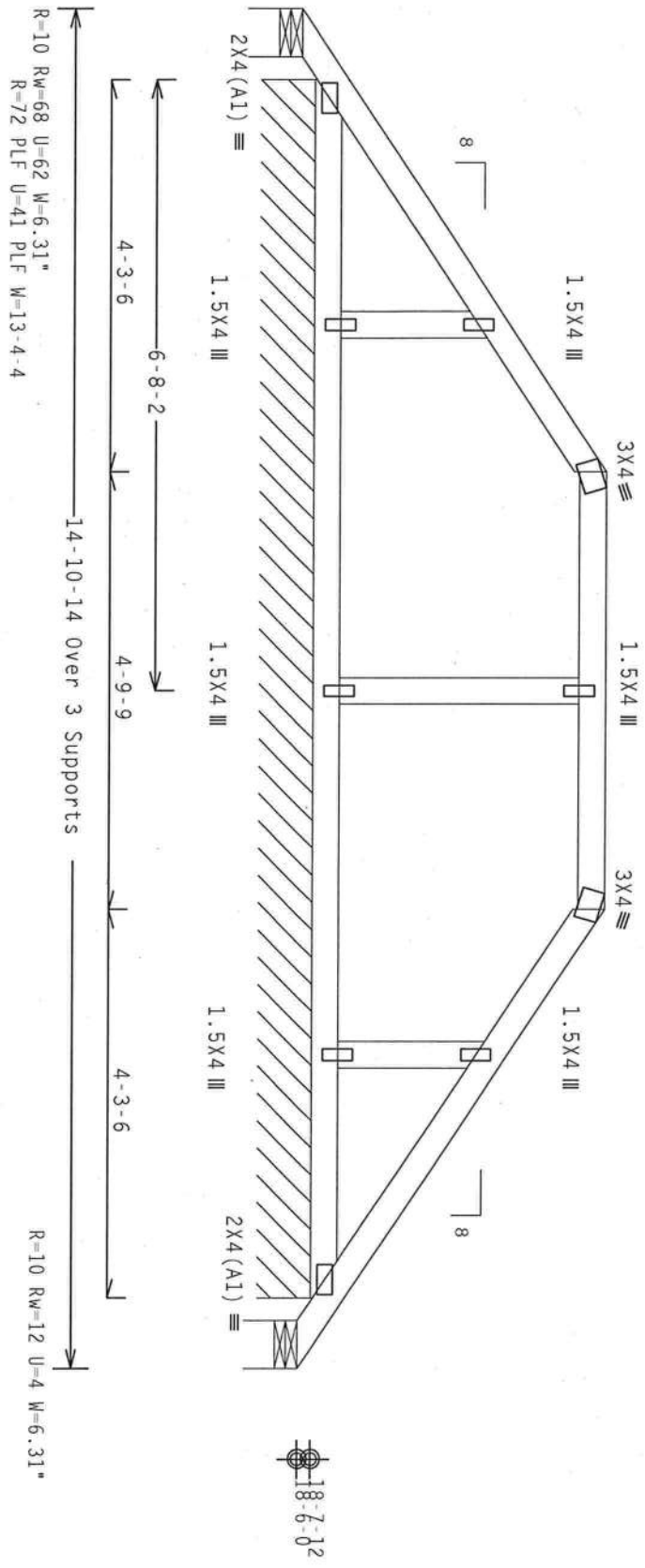
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

SPECIAL LOADS

-----	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From	64 PLF at 5.00 to 64 PLF at 5.05
TC - From	64 PLF at 5.05 to 64 PLF at 9.85
TC - From	64 PLF at 9.85 to 64 PLF at 14.91
BC - From	4 PLF at 0.00 to 4 PLF at 14.91

Wind reactions based on MMFRS pressures.

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.



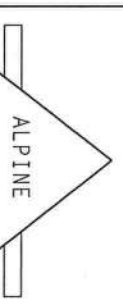
PLT TYP. Wave

Design Crit: TPI-2002(STD)
Cq/RT=1.00(1.

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

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

Scale = .5"/Ft.



ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 778



TC LL	20.0 PSF	REF	R8228- 50310
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067124
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	15591 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TF8228Z03

JREF - 1TFL8228Z03

JREF- 1TFL8228Z03

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

110 mph wind, 20.98 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.

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

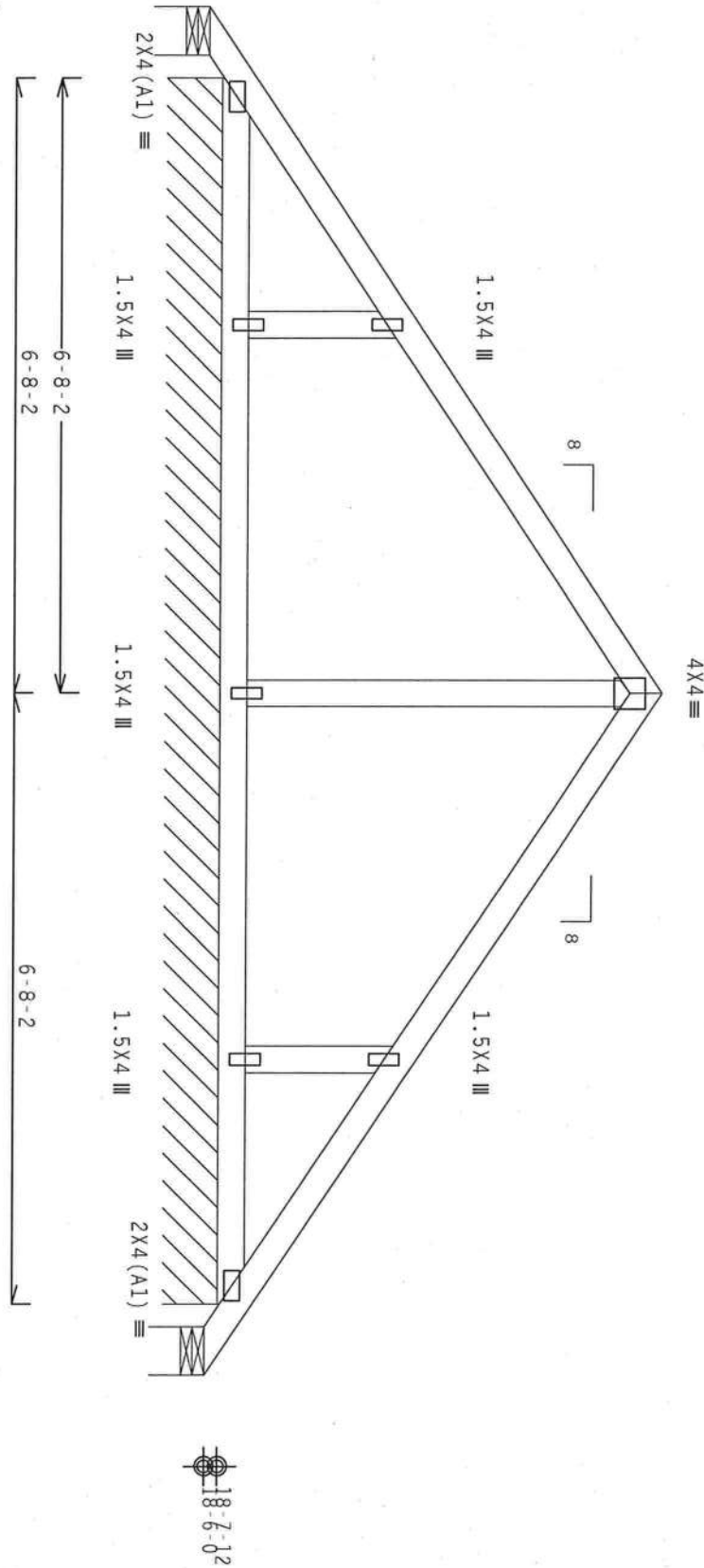
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS

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

TC - From	64 PLF at 0.00 to	64 PLF at 7.45
TC - From	64 PLF at 7.45 to	64 PLF at 14.91
BC - From	4 PLF at 0.00 to	4 PLF at 14.91

Wind reactions based on MMFRS pressures.



R=14 Rw=96 U=91 W=6.31"
R=71 PLF U=40 PLF W=13-4-4
R=14 U=2 W=6.31"

PLT TYP. Wave

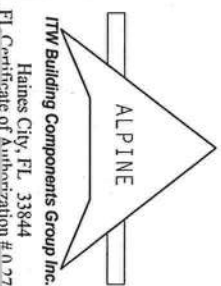
Design Crit: TPI-2002 (STD)
Cq/RT=1.00(1.25)/10(0)

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

Scale = .5"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE 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 THE TRUSS FABRICATOR'S INSTRUCTIONS, HANDLING, SHIPPING, INSTALLING AND BRACING. THE BCG CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. THE BCG CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. THE BCG CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN.



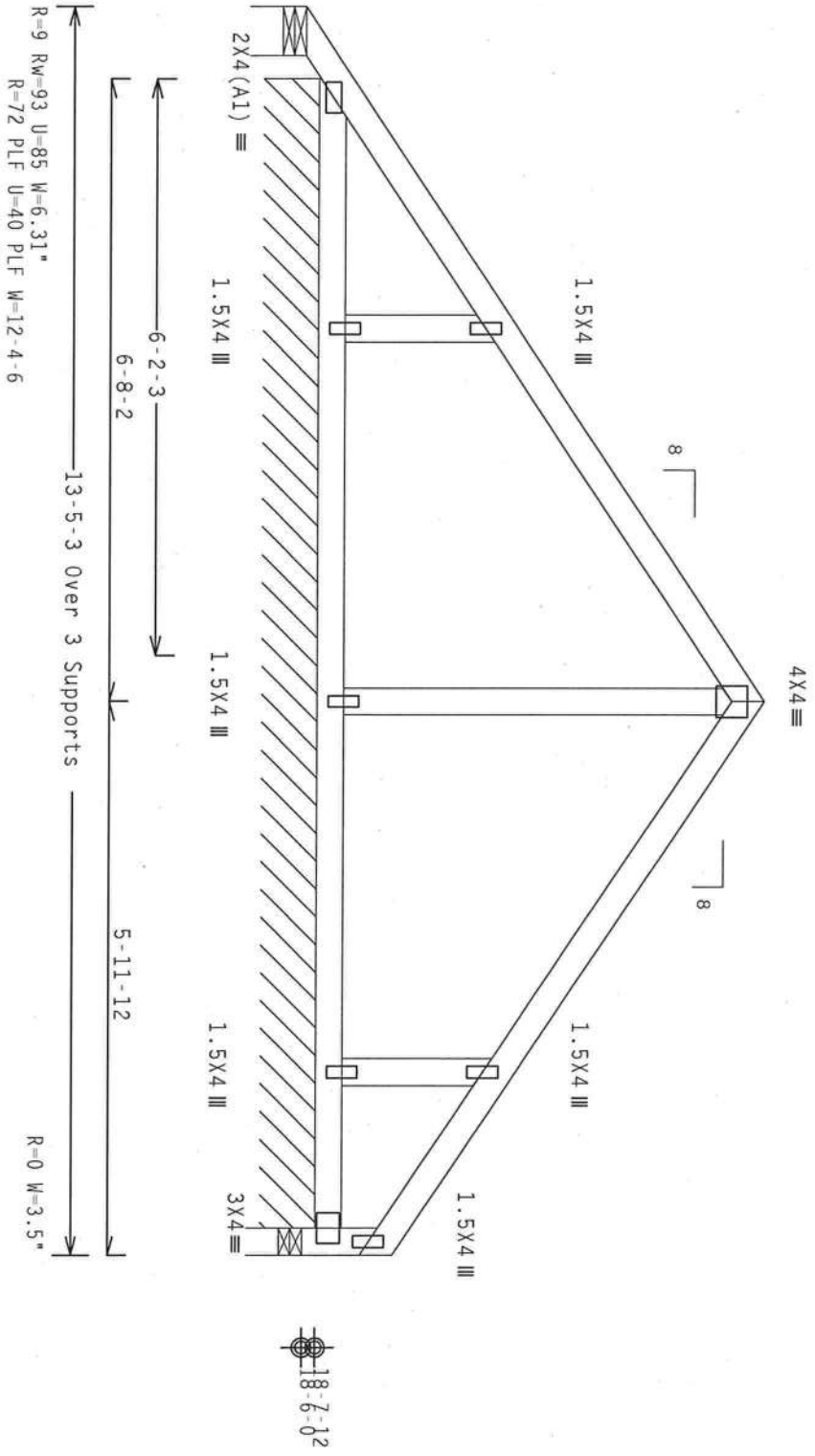
TC LL	20.0 PSF	REF R8228- 50312
TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCUR8228 08067122
BC LL	0.0 PSF	HC-ENG JB/DF
TOT. LD.	40.0 PSF	SEQN- 15596 REV
DUR. FAC.	1.25	
SPACING	24.0"	
JREF	1TFL8228203	

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

110 mph wind, 20.98 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=2.0 psf. Iw=1.00 Gcpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.



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. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WCA GOOD 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 THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WCA GOOD 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
ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization #01778



QTY: 1	FL/-/4/-/E/R/-	Scale = .5"/ft.
TC LL	20.0 PSF	REF R8228- 50313
TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCUR8228 08067137
BC LL	0.0 PSF	HC-ENG JB/DF
TOT. LD.	40.0 PSF	SEQN- 78375
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1TFL8228203

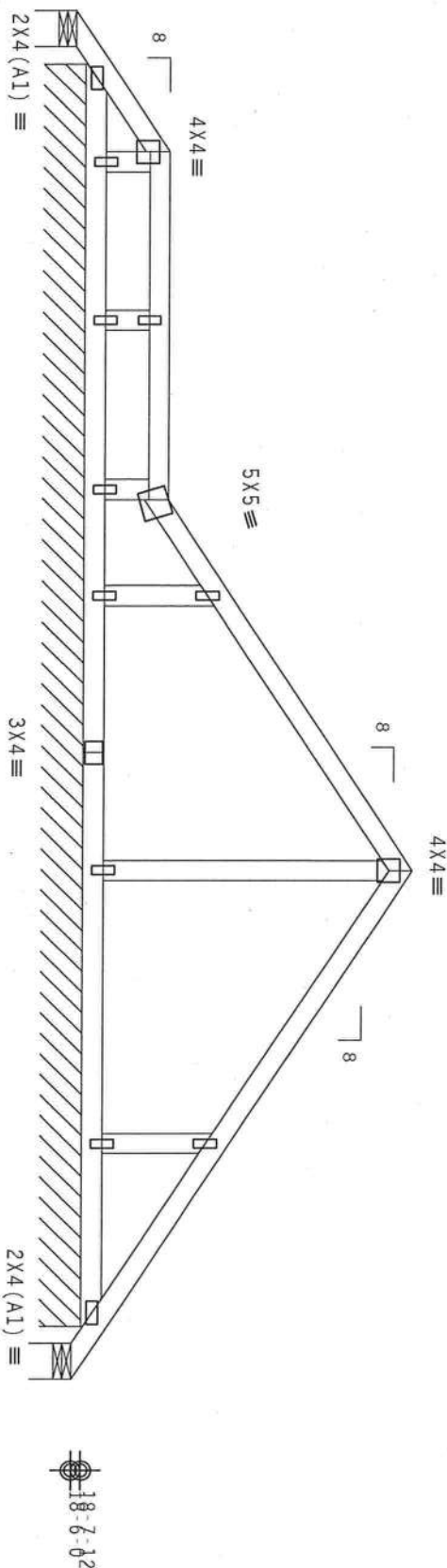
110 mph wind, 20.98 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=2.0 psf, Iw=1.00 gcpi (+/-)=0.18

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

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

	(LUMBER DUR. FAC.=1.25 / PLATE DUR. FAC.=1.25)
TC - From	64 PLF at 0.00 to 64 PLF at 2.05
TC - From	64 PLF at 2.05 to 64 PLF at 7.10
TC - From	64 PLF at 7.10 to 64 PLF at 12.49
TC - From	64 PLF at 12.49 to 64 PLF at 19.95
BC - From	4 PLF at 0.00 to 4 PLF at 19.95

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.



PLT TYP. Wave	Cq/RT=1.00 (1.25)
---------------	-------------------

 $Cq/RT=1.00(1.25)/10(0) \quad 7.36.042$

QTY:1

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

Scale = .375"/Ft.

WARNING:—TRUCKS, RELOADING EXTERNAL GASES IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO DECS (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE (FIBER PAPER INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MICA (WOOD TRUSS COUNCIL OF AMERICA), 65000 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES RELATIVE TO PERFORMING THESE FUNCTIONS. UNDESIRABLE DOWNSIDE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED BRIDG CELLING.

****IMPORTANT*** TURNISH 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 FPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONDITIONS FOR MOST NATIONAL DESIGN SPEC. (BY AREA) AND THE CONCRETE REINFORCED PLATE GIRDER (ACI 308) AND THE STEEL PLATES TO EACH FACE OF THUS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS 1606-2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828,



TC LL	20.0 PSF	REF	R8228- 50314
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067138
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	78380
DUR:FAC.	1.25		
SPACING	24.0"	JREF-	1TFL8228Z03

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

110 mph wind, 20.98 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=2.0 psf. $I_w=1.00$ $Gcpi(+/-)=0.18$

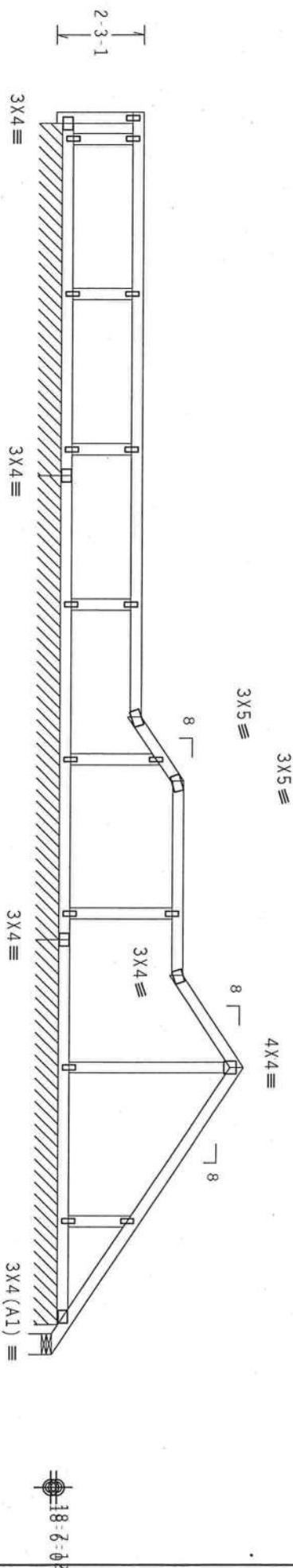
Wind reactions based on MMFRS pressures.

Left end vertical not exposed to wind pressure.

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback
details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE
BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS		
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)		
TC - From	64 PLF at 0.00 to	64 PLF at 15.58
TC - From	64 PLF at 15.58 to	64 PLF at 17.25
TC - From	64 PLF at 17.25 to	64 PLF at 22.29
TC - From	64 PLF at 22.29 to	64 PLF at 24.69
TC - From	64 PLF at 24.69 to	64 PLF at 32.14
BC - From	4 PLF at 0.00 to	4 PLF at 32.14

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



0-3-8 15-0-14 15-7-0 1-8-0 5-0-8 11-0-0 2-4-12 6-8-2

R=80 PLF U=43 PLF W=9-0-14 R=68 PLF U=38 PLF W=12-0-0 R=61 PLF U=29 PLF W=10-0-0 R=10 U=4 W=6.311*

32-1-11 Over 4 Supports

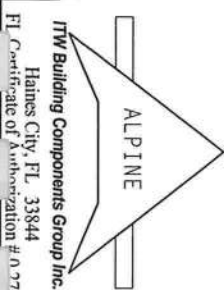
Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.36.042 QTY:1 FL/-/4/-/E/R/- Scale=.25"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WCA GOOD 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE BCG DESIGN SHALL BE THE RESPONSIBILITY OF 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 BCG DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

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TC LL	20.0 PSF	REF R8228- 50315
TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCUR8228 08067144
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 78401
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TFL8228203

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

110 mph wind, 21.18 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=2.0 psf. $I_w=1.00$ $GCFI(+/-)=0.18$

Wind reactions based on MWFRS pressures.
Left end vertical not exposed to wind pressure.

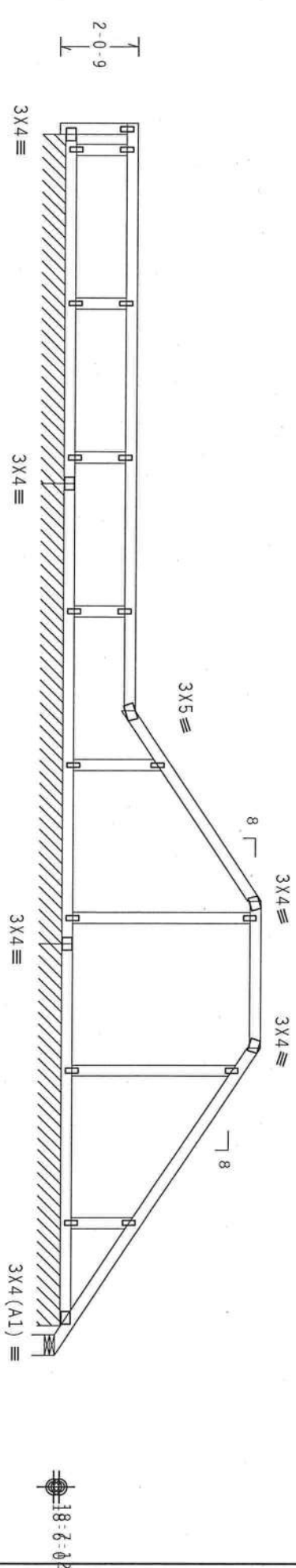
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS

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

TC - From	64 PLF at 0.00 to 64 PLF at 15.27
TC - From	64 PLF at 15.27 to 64 PLF at 20.25
TC - From	64 PLF at 20.25 to 64 PLF at 24.09
TC - From	64 PLF at 24.09 to 64 PLF at 32.14
BC - From	4 PLF at 0.00 to 4 PLF at 32.14

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



0-3-8 15-0-14 15-3-4 4-11-12 11-0-0 3-10-1 7-3-6

R=80 PLF U=43 PLF W=9-0-14 R=68 PLF U=34 PLF W=12-0-0 R=61 PLF U=34 PLF W=10-0-0 R=8 RW=12 U=10 W=6.311"

32-1-11 Over 4 Supports

Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.04

Scale = .25"/Ft.

PLT TYP. Wave

ALPINE

NTW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization #A-379



TC LL	20.0 PSF	REF R8228- 50316
TC DL	10.0 PSF	DATE 03/07/08
BC DL	10.0 PSF	DRW HCUR8228 08067155
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEON- 78397
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TFL8228Z03

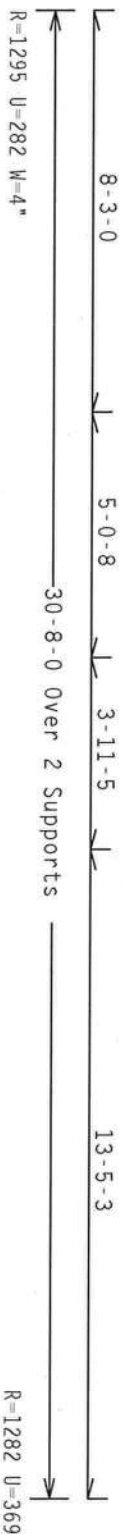
THE UNIVERSITY OF CHICAGO PRESS

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_{DE}=5.0 psf, wind BC DL=5.0 psf 1W=1.00 GCpl(+/-)=0.18

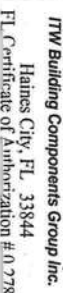
Wind reactions based on MMFRS pressures.

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.



Scale = .25" / Ft.

[illegible]

TC LL	20.0 PSF	REF	R8228- 50317
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCU8R8228 08067110
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	78443
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TFL8228Z03

THIS WORK FULFILLS PART OF THE REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE.

110 mph wind, 16.30 ft mean hgt, ASCE 7-02, closed bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC, DL=5.0 psf, wind BC DL=5.0 psf Iw=1.00 GCPI(+/-)=0.18

Wind reactions based on MNFRS pressures.

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

Provide for complete drainage of roof.



Scale = .25"/Ft.

DOUGLAS FLEMING
LICENSE
No 666648

ALPINE
ITW Building Components Group Inc.

FL Certificate of Authorization # 00778

07/16/04

FL Certificate of Authorization # 00778

TC LL	20.0 PSF	REF	R8228- 50318
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCSUR8228 0806711111
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	78455
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TF18228203

JKRF-11F-L8228Z03

(D) 2x8 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5".min.) nails @ 6" OC.



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

Roof overhang supports 2.00 psf soffit load.

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

(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

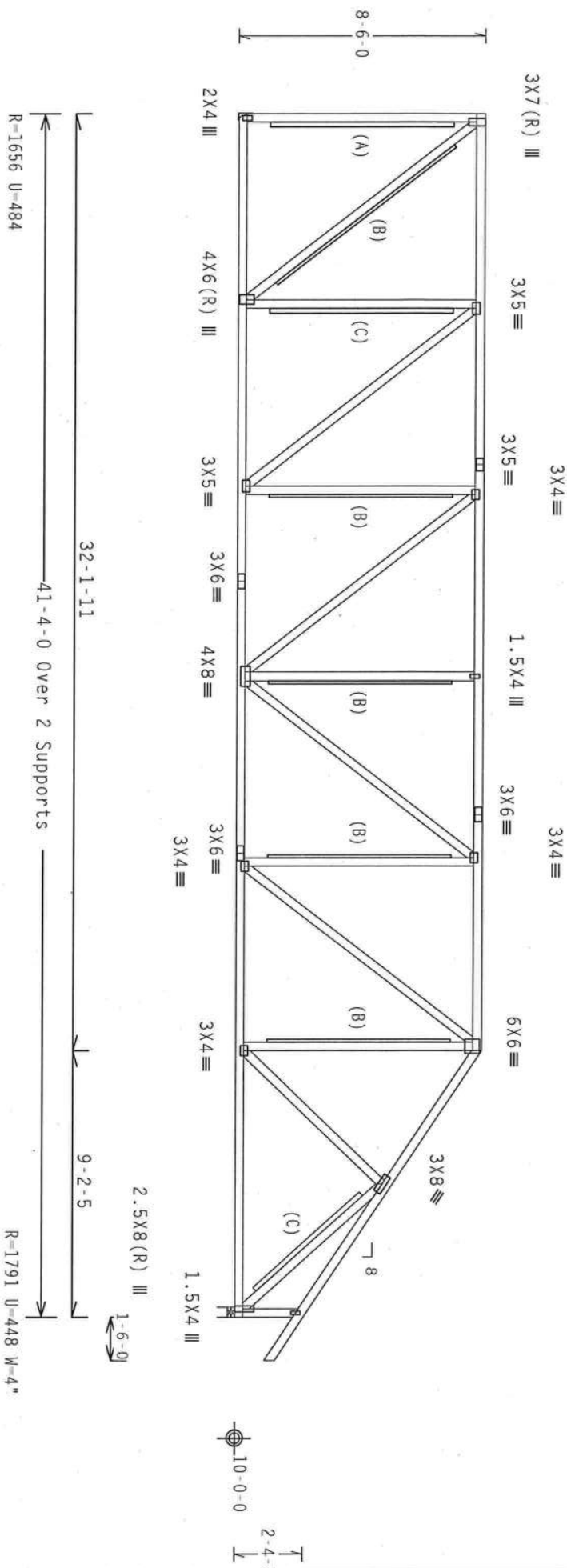
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 gcpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Max JT VERT DEFL: LL: 0.11" DL: 0.17" recommended camber 1/4"

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

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)

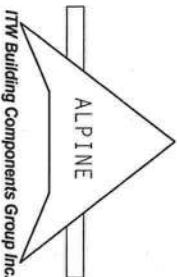
 $Cq/RT=1.00(1.25)/10(0)$

7.36.0

QTY:1

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

Scale = .1875"/Ft.



ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 0077

***WARNING:** THESE RIGID EPOXY CASES IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO AC308 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATING INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314 AND WICK (WOOD TRUSS COMPANY) 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 GRID CELLING.

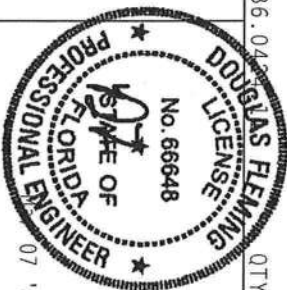
****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT

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

PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2 CONNECTION PLATES ARE THICK OF 20/10/1000 (H, 0/53/5) ASIN ABOVE GRADE 40/60 (H, K/H, 53) GALV. STEEL. APPLY

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

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



07, 08

TC LL	20.0 PSF	REF	R8228- 50320
TC DL	10.0 PSF	DATE	03/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08067114
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	78490
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TF18228Z03

MAX GABLE VERTICAL LENGTH														
2x4 GABLE VERTICAL SPACING	BRACE SPECS	GRADE	NO BRACES	(1) 1x4 "L" BRACE *		(1) 2x4 "L" BRACE *		(2) 2x4 "L" BRACE **		(1) 2x6 "L" BRACE *		(2) 2x6 "L" BRACE **		
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B			
24" O.C.	SPF HF	#1 / #2	3' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"	
		#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"	
		STUD	3' 7"	5' 5"	5' 5"	7' 1"	7' 1"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"	
		STANDARD	3' 7"	4' 8"	4' 8"	6' 1"	6' 1"	8' 3"	8' 3"	9' 6"	9' 6"	12' 11"	12' 11"	
	SP	#1	4' 0"	6' 4"	6' 10"	7' 6"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#2	3' 11"	6' 4"	6' 10"	7' 6"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#3	3' 9"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	8' 11"	9' 5"	11' 5"	11' 5"	14' 0"	14' 0"
		STUD	3' 9"	5' 6"	5' 6"	7' 3"	7' 3"	8' 11"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"
	DfL	STANDARD	3' 8"	4' 9"	4' 9"	6' 3"	6' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	14' 0"	14' 0"
		#1 / #2	4' 2"	7' 3"	7' 5"	8' 7"	8' 7"	8' 10"	10' 3"	10' 6"	13' 5"	13' 10"	14' 0"	14' 0"
		#3	4' 1"	6' 8"	6' 8"	8' 7"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"
		STUD	4' 1"	6' 0"	8' 0"	8' 7"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"
16" O.C.	SPF HF	STANDARD	4' 1"	5' 8"	5' 8"	7' 6"	7' 6"	9' 3"	10' 1"	10' 1"	11' 8"	11' 8"	14' 0"	14' 0"
		#1	4' 7"	7' 3"	7' 9"	8' 7"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		#2	4' 6"	7' 3"	7' 9"	8' 7"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	6' 10"	6' 10"	8' 7"	8' 7"	9' 0"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"
	SP	STUD	4' 4"	6' 9"	6' 9"	8' 7"	8' 7"	8' 11"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"
		#1	4' 7"	7' 3"	7' 9"	8' 7"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		#2	4' 6"	7' 3"	7' 9"	8' 7"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	6' 9"	6' 9"	8' 7"	8' 7"	8' 11"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"
	DfL	STANDARD	4' 2"	5' 10"	5' 10"	7' 8"	7' 8"	7' 8"	10' 3"	10' 4"	11' 11"	14' 0"	14' 0"	14' 0"
		#1 / #2	4' 7"	8' 0"	8' 2"	9' 5"	9' 5"	9' 8"	11' 3"	11' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"
12" O.C.	SPF HF	STANDARD	4' 6"	6' 7"	6' 7"	8' 7"	8' 8"	8' 8"	11' 3"	11' 3"	13' 6"	13' 6"	14' 0"	14' 0"
		#1	5' 1"	8' 0"	8' 7"	9' 5"	9' 5"	10' 2"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 11"	8' 0"	8' 7"	9' 5"	9' 5"	10' 2"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 9"	7' 11"	7' 11"	9' 5"	9' 5"	9' 11"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	STUD	4' 9"	7' 9"	7' 9"	9' 5"	9' 5"	9' 11"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		#1	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"
		#2	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"
		#3	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"
	DfL	STANDARD	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"
		#1	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"
		#2	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"
		#3	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"

LIVE LOAD DEFLECTION CRITERIA IS $L/240$.
 PROVIDE UPLIFT CONNECTIONS FOR 100 PLF OVER
 CONTINUOUS BEARING (5 PSF TC DEAD LOAD).
 GABLE END SUPPORTS LOAD FROM 4' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR

#1 / #2

STANDARD

#3

STUD

HEM-FIR

#2

STUD

#3

STANDARD

DOUGLAS FIR-LARCH

#3

STUD

STANDARD

SOUTHERN PINE

#3

STUD

STANDARD

GROUP B:

HEM-FIR

#1 & BTR

#1

SOUTHERN PINE

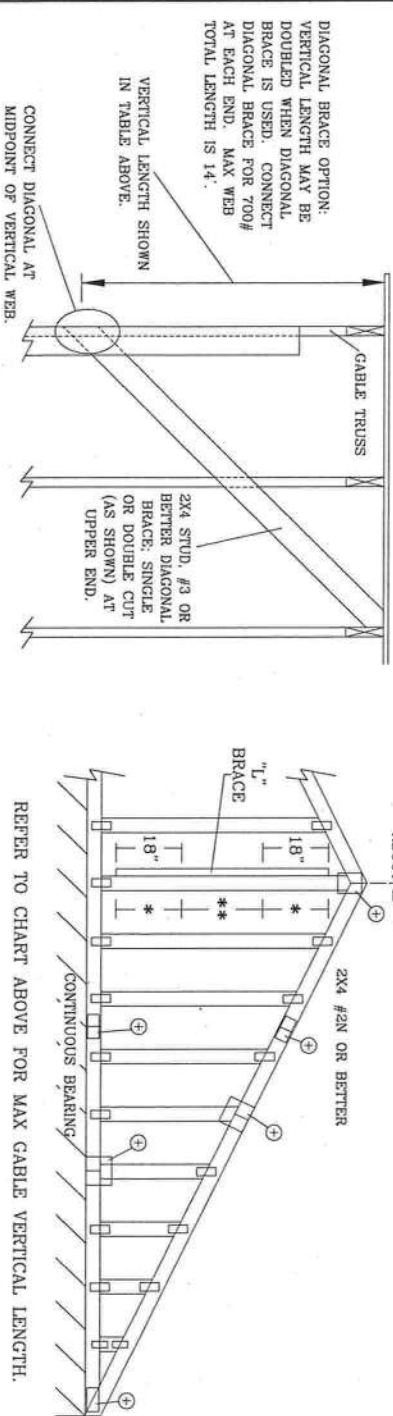
#1

#2

DOUGLAS FIR-LARCH

#1

#2



REFER TO CHART ABOVE FOR MAX CABLE VERTICAL LENGTH.

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR
PEAK, SPLICE, AND HEEL PLATES.

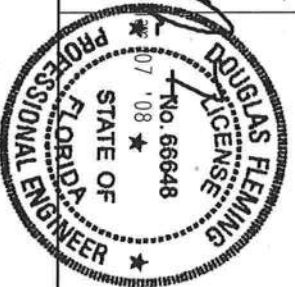
* ATTACH EACH T¹ BRACE: SPACE NAILS AT 2" O.C.
* FOR (1) T¹ BRACE: SPACE NAILS AT 2" O.C.
* IN 18" END ZONES AND 4" O.C. BETWEEN ZONES
** FOR (2) T¹ BRACES: SPACE NAILS AT 3" O.C.
* IN 18" END ZONES AND 6" O.C. BETWEEN ZONES
T¹ BRACING MUST BE A MINIMUM OF 80% OF WEB
MEMBER LENGTH.

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND
 WARNING REFERR TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE
 INSTITUTE, 218 NORTH LEE STR. SUITE 312, ALEXANDRIA, VA 22314 AND VITC (VOID) TRUSS COUNCIL C
 AMERICA, 6300 ENTERPRISE LN, MAINTON, VA 53749 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE
 FUNCTIONS. UNLESS OTHERWISE INDICATED, THE 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. IT IS THE TRUSS IN
 NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN
 CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING, DESIGN SPEC. BY AIRTRAN AND TPI.
 DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOD. NATIONAL DESIGN SPEC. BY AIRTRAN AND TPI.
 TPI, BEG. CONNECTOR PLATES ARE MADE OF 20/80/16/624 (V/A/H/S/S/X) ASTM A653 GRADE 40/60 (V/A/H/S/S)
 THIS POSITION PER DRAWING 1606-7. FRAGILE SURFACES OF THE OVERLAP LOCATED ON THIS DESIGN PER
 ANNEX 43 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.



REF	ASCET-02-GAB11030
DATE	2/23/07
DRWG	A11030EEO207
-ENG	
MAX. TOT. LD. 60 PSF	
MAX. SPACING 24.0"	

STYL
ABOUT

CABLE VERTICAL LENGTH TYP.

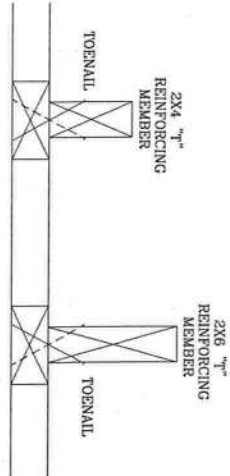
LESS THAN 4' 0"
GREATER THAN 4'
LESS THAN 11' 6"
GREATER THAN 11'

(+) REFER TO ENGINEER FOR SPLICE, WEB AND SINGLE PLATE TO

EXAMPLE: 2

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

2X4 2X4 2X8

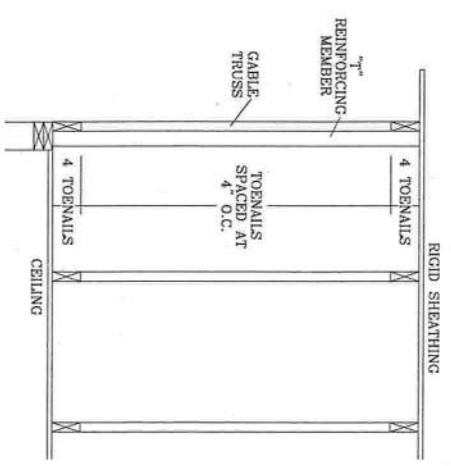


MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WIND SPEED AND MRH	RELATIVE HUMIDITY MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

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

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

HAND DRIVEN NAILS:

10d COMMON (0.148" X 3.1" MIN) TOENAILS AT 4" O.C. PLUS

(4) 16d COMMON (0.162" X 3.5" MIN) TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS:

8d COMMON (0.131" X 2.5" MIN) TOENAILS AT 4" O.C. PLUS

(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE CABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

ASCE 7-93 CABLE DETAIL DRAWINGS

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

ASCE 7-98 CABLE DETAIL DRAWINGS

 A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08515EC0207,
 A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A08530EC0207

ASCE 7-02 CABLE DETAIL DRAWINGS

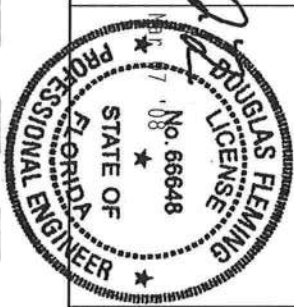
 A13015E0207, A12015E0207, A11015E0207, A10015E0207, A08515E0207,
 A13030E0207, A12030E0207, A11030E0207, A10030E0207, A08530E0207

ASCE 7-05 CABLE DETAIL DRAWINGS

 A13015550207, A12015550207, A10015550207, A08515550207,
 A13030550207, A12030550207, A10030550207, A08530550207

SEE APPROPRIATE ALPINE CABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA



REF	LET-IN VERT
DATE	2/23/07
DRWG	GBLETTINO207
-ENG	DLJ/KAR

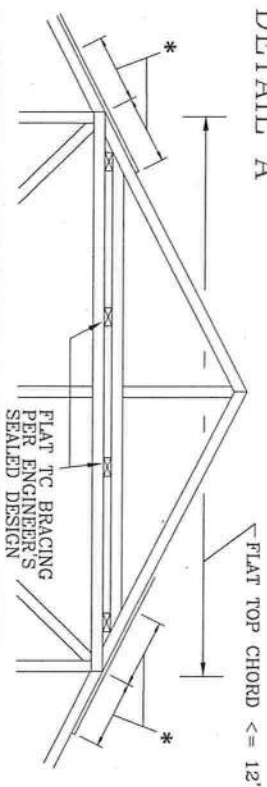
PIGGYBACK DETAIL

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.

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.

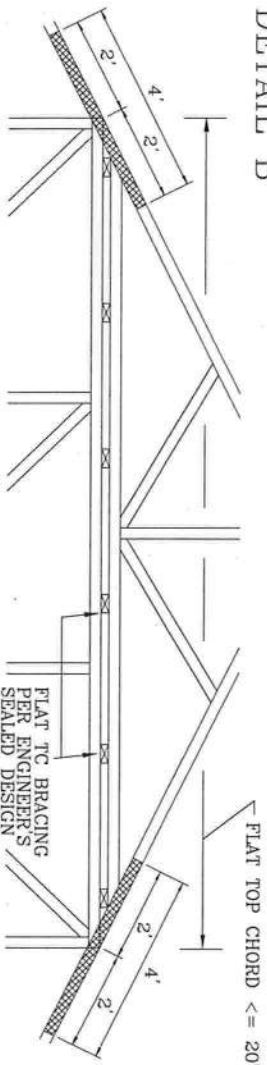
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF. PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

DETAIL A



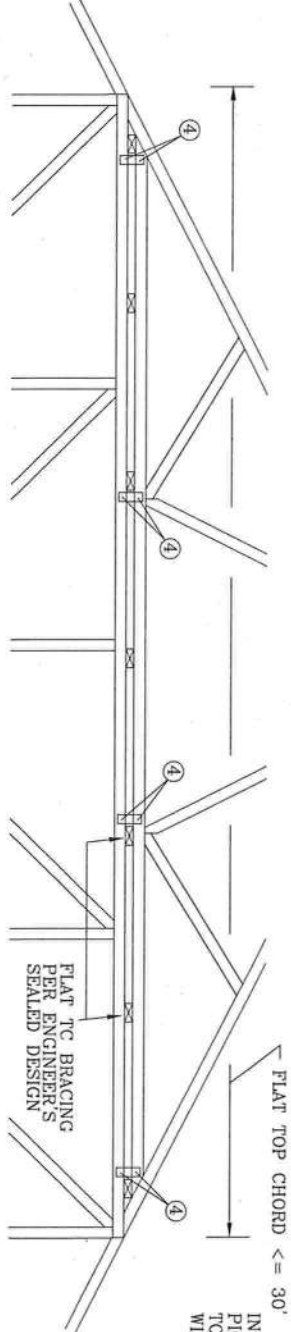
PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS.
* 12" MIN RIGID SHEATHING OVERLAP WITH 8d COMMON (0.131"x2.5") OR GUN NAILS IN OVERLAP ZONE SPACED AT 4" O.C.

DETAIL B



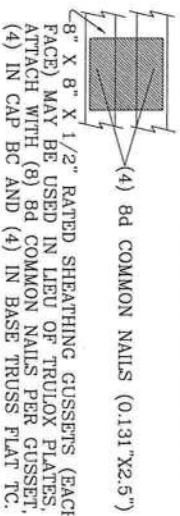
PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS AND SECURED WITH 2X4 #3 GRADE SCAB (1 SIDE ONLY) ATTACHED WITH 10d COMMON NAILS AT 4" O.C.

DETAIL C



CAP TRUSS TOENAILED TO TOP CHORD BRACING AND SECURED WITH 3X8 TRULOX PLATES (EACH FACE) AT EACH END AND AT 1/3 POINTS. CIRCLED NUMBER INDICATES REQUIRED NUMBER OF 0.120" X 1.375" NAILS PER FACE. SEE DRAWING 160TL FOR TRULOX INFORMATION.

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.



THIS DRAWING REPLACES DRAWINGS 581,670 & 961,860



TRUSS BUILDING COMPONENTS GROUP, INC.
POMEREO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 218 NORTH LEE ST., SUITE 312, ALEXANDRIA, VA 22304 AND WTA CLOUD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, HANOTON, VA 55719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. ALL TRUSSES MUST BE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. TPI BCS, 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 OF TRUSSES IS THE RESPONSIBILITY OF THE DESIGNER. NO ADDITIONAL DESIGN SPEC. BY A/R/P/A AND TPI. TPI BCS CONNECTOR PLATES TO BE USED. ALL TRUSSES MUST BE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. THIS DESIGN POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY CID SHALL BE PER AMEX 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 AMEX/TPI 1 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

PIGGYBACK DETAIL

REFER TO SEALED DESIGN FOR DASHED PLATES.
SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

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

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

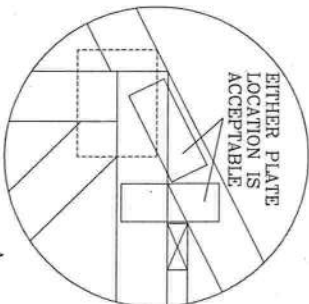
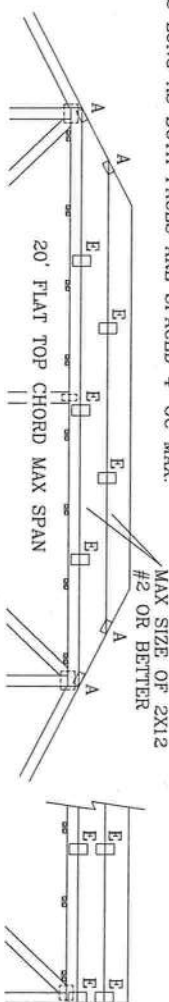
ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

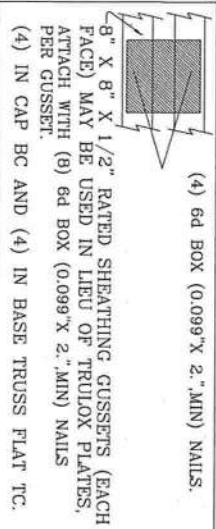
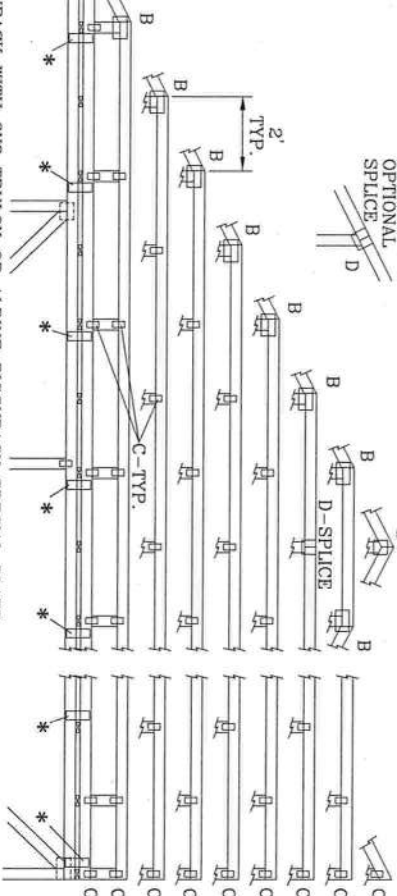
THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

- 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.



*ATTACH PIGGYBACK WITH 3X8 TRUSS OR ALPINE PIGGYBACK SPECIAL PLATE.

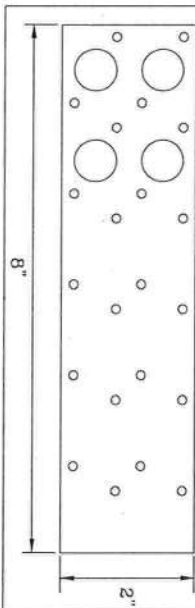


JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X8 TRUSS AT 4' OC, ROTATED VERTICALLY			

ATTACH TRUSS PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLX. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRUSS INFORMATION.

WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d BOX (0.113" X 2.5" MIN) NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135" X 3.5" MIN) NAILS AT 4" OC

* 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 PLX. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



THIS DRAWING REPLACES DRAWINGS 634.016 634.017 & 847.045

ALPINE

TRUSS 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 TPI TRUSS PLATE INSTITUTE, 608 NORTHERLY ST., SUITE 312, ALEXANDRIA, VA 22314 AND VITA CADD TRUSS GUIDELINE OF THE TPI TRUSS PLATE INSTITUTE. TRUSSES ARE DESIGNED TO BE USED IN CONJUNCTION WITH THE TPI TRUSS PLATE INSTITUTE. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE DOUBLE ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR, TPI BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TPI TRUSS PLATE INSTITUTE. TRUSSES ARE DESIGNED TO BE USED IN CONJUNCTION WITH THE TPI TRUSS PLATE INSTITUTE. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE DOUBLE ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANEX A OF TPI 1-2002 SEC. 3. A 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



MAX LOADING	REF
55 PSF AT	PIGGYBACK
1.33 DUR. FAC.	DATE 2/23/07
50 PSF AT	DRWG PIGBACKB0207
1.25 DUR. FAC.	-ENG DLJ/KAR
47 PSF AT	
1.15 DUR. FAC.	
SPACING 24.0"	

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.

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

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

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.



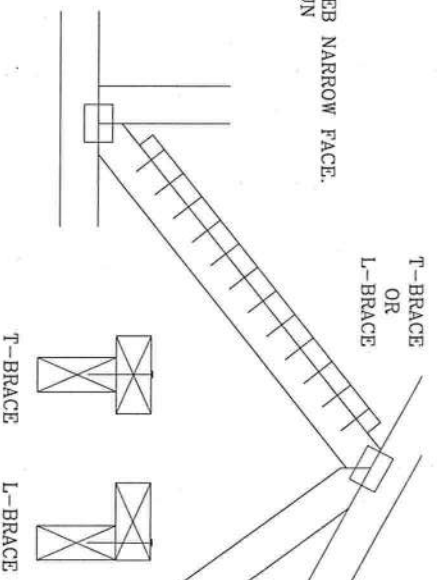
ITW BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA

WARNING THESE REQUIRE EXERCISE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI, CRUSS PLATE INSTITUTE, 218 NORTH LEE ST., SUITE 312, ALEXANDRIA, VA 22304, AND VITA CAVIOL 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.

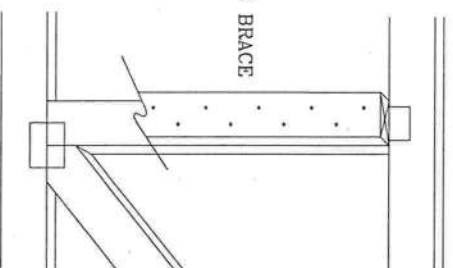
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.

*IMPORTANT: ENGLISH COPY OF THIS DESIGN INSTALLATION CONTRACTOR, ITR BCO, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS AND REQUIREMENTS OF THE DESIGN. THE DESIGNER'S DESIGN CONFIRMS WITH APPLICABLE PROVISIONS OF NDS CANADIAN DESIGN SPEC. BY 8/60 AND ITR BCO, INC. DESIGN CONNECTOR PLATES ARE MADE OF 20/18/16/GA C/V/S/ASD A579 A653 GRADE 40/60 & ITR BCO, INC. DESIGN POSITION PER PLANES AND FACE OF JOINTS AND UNLESS OTHERWISE LOCATED ON THIS PER DESIGN SECTION OF TPI-1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PERFORMANCE ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS CONNECTION DESIGN SHOWN. THE SUITABILITY AND PERFORMANCE OF THE TRUSS FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANNEK 4.1, SEC. 2.

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 10d BOX OR GUN
(0.126" x 3" MIN) NAILS.
AT 6" O.C. BRACE IS A
MINIMUM 80% OF WEB
MEMBER LENGTH



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
50% OF WEB MEMBER LENGTH

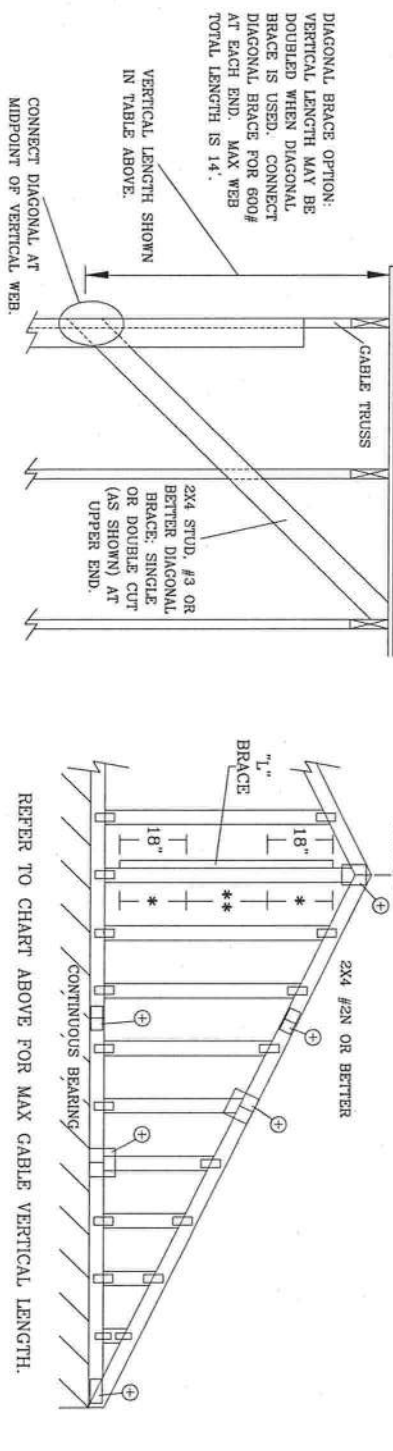


THIS DRAWING REPLACES DRAWING 579.640

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	BRCLBSUB0207
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			



MAX GABLE VERTICAL LENGTH																		
GABLE VERTICAL SPACING	2X4 SPECIES	BRACE GRADE	NO BRACES		(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE *		(1) 2X6 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 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		
24" 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"	
		#3	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"		
		STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	HF	STANDARD	3' 9"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"	14' 0"	14' 0"		
		#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"		
		#2	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"		
	SP	#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
		STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	DFL	#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"		
#3		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"			
STUD		4' 4"	6' 4"	6' 4"	9' 1"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
16" O.C.	SPF	STANDARD	4' 4"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
		#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
		#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	SP	#3	4' 6"	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
		STUD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
		STANDARD	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"			
	DFL	#1 / #2	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
		#3	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
		STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	HF	STANDARD	4' 9"	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
#1		5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
#2		5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
12" O.C.	SPF	#3	5' 0"	8' 5"	8' 5"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
		STUD	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
		STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
	SP	STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
		#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
		#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
	HF	STANDARD	4' 9"	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
		#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
		#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
	DFL	STUD	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
STANDARD		4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					



BRACING GROUP SPECIES AND GRADES:		GROUP A:		GROUP B:	
SPRUCE-PINE-FIR	HEM-FIR	#1 / #2	STUD	#2	STUD
#3	STUD	#3	STANDARD	#1	STUD
STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD

GABLE VERTICAL PLATE SIZES		GABLE VERTICAL LENGTH	
VERTICAL LENGTH	NO SPLICE	LESS THAN 4' 0"	1X4 OR 2X3
LESS THAN 4' 0"	BUT GREATER THAN 11' 6"	2X4	
LESS THAN 11' 6"	GREATER THAN 11' 6"	2.5X4	

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-02-CAB11015

DATE 2/23/07

DRWG A11015E0207

ENG

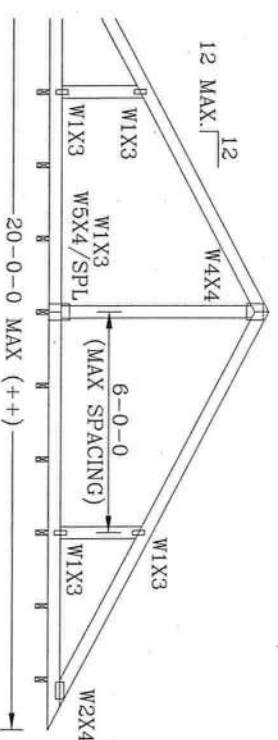
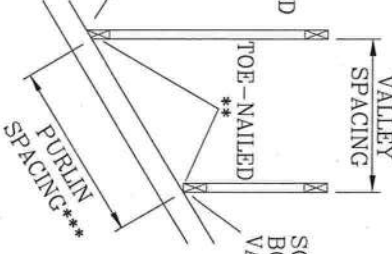
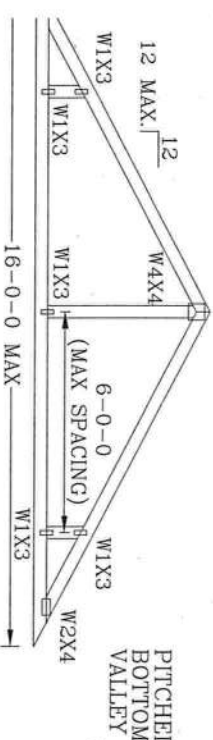
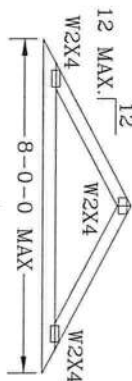
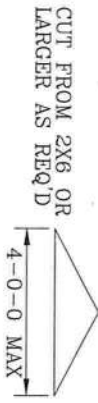
DOUGLAS FLEMING LICENSE No. 66648

STATE OF FLORIDA PROFESSIONAL ENGINEER

VALLEY TRUSS DETAIL

TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.
 BOT CHORD 2X3(*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.
 WEBS 2X4 SP #3 OR BETTER.

* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).
 ** ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH:
 (2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR
 SBC 110 MPH, ASCE 7-93 110 MPH OR ASCE 7-98,
 ASCE 7-02 OR ASCE 7-05 130 MPH. 15' MEAN
 HEIGHT, ENCLOSED BUILDING, EXP. C, RESIDENTIAL,
 WIND TC DL=5 PSF



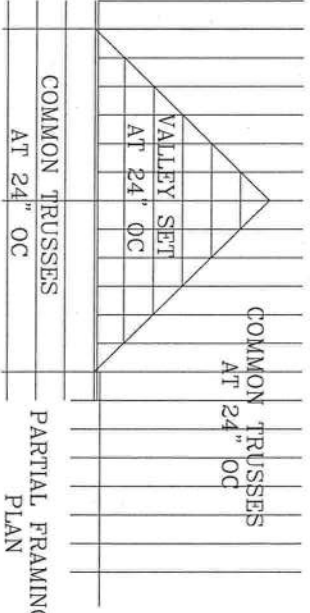
SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.

UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "T"-BRACE, 80%
 LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED
 WITH 8d BOX (0.113" X 2.5") NAILS AT 6" OC, OR CONTINUOUS LATERAL BRACING,
 EQUALLY SPACED, FOR VERTICAL VALLEY WEBS GREATER THAN 7'9".
 MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".
 TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH:
 PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS
 INSTALLATION
 OR
 PURLINS AT 24" OC OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN
 OR
 BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON
 ENGINEERS' SEALED DESIGN.
 *** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS
 BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.
 ++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES
 NOT EXCEED 12'0".
 BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.

SQUARE CUT
 BOTTOM CHORD
 VALLEY

OPTIONAL STUB
 END DETAIL

OPTIONAL HIP
 JOINT DETAIL



COMMON TRUSSES
 AT 24" OC

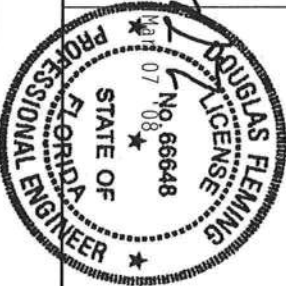
PARTIAL FRAMING
 PLAN

THIS DRAWING REPLACES DRAWING A105

ALPINE

ITV BUILDING COMPONENTS GROUP, INC.
 FORT LAUDERDALE, FLORIDA

WARNING 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 ST., SUITE 312, ALEXANDRIA, VA 22304, AND VTCI GUIDED TRUSS CONDUCT OF
 BUSINESS, 3500 WILSON AVENUE, SUITE 100, FORT LAUDERDALE, FL 33309, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE
 FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORDS MUST HAVE A 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 TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
 ITV BCG CONNECTOR PLATES ARE MADE OF 2024-T3 ALUMINUM, DESIGN SPEC. BY ALPINE AND TPI.
 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 FILLED IN BY CD SHALL BE PER
 ANNEX 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	30	40 PSF	REF	VALLEY DETAIL
TC DL	20	7 PSF	DATE	2/23/07
BC DL	10	10 PSF	DRWG	VALTRUSS0207
BC LL	0	0 PSF	ENG	MLH/KAR
TOT. LD.	60	55	57 PSF	
DUR.FAC.	1.25/1.33	1.15/1.15		
SPACING	24"			

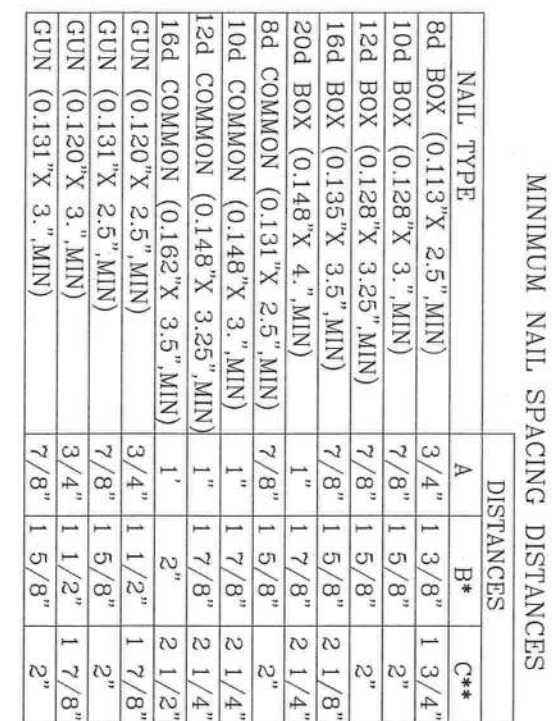
MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C - END DISTANCE (15 NAIL DIAMETERS)

IF NAIL HOLES ARE PREPARED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:

- * SPACING MAY BE REDUCED BY 50%
- ** SPACING MAY BE REDUCED BY 33%

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (Fc-perp) IS AT LEAST THAT OF THE CHORD.



NAIL TYPE	CHORD SIZE					
	2X4	2X6	2X8	2X10	2X12	
8d BOX (0.113"X 2.5",MIN)	3	6	9	12	15	
10d BOX (0.128"X 3.",MIN)	3	5	7	10	12	
12d BOX (0.128"X 3.25",MIN)	3	5	7	10	12	
16d BOX (0.135"X 3.5",MIN)	3	5	7	10	12	
20d BOX (0.148"X 4.",MIN)	2	4	5	6	8	
8d COMMON (0.131"X 2.5",MIN)	3	5	7	10	12	
10d COMMON (0.148"X 3.",MIN)	2	4	6	8	10	
12d COMMON (0.148"X 3.25",MIN)	2	4	6	8	10	
16d COMMON (0.162"X 3.5",MIN)	2	4	6	8	10	
GUN (0.120"X 2.5",MIN)	3	6	8	11	14	
GUN (0.131"X 2.5",MIN)	3	5	7	10	12	
GUN (0.120"X 3.",MIN)	3	6	8	11	14	
GUN (0.131"X 3.",MIN)	3	5	7	10	12	

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

*****IMPORTANT***** PLEASE COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BEG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. THE BUILDING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF THE NATIONAL BUILDING, INSTALLING & SPEC. BY AREA AND TP1. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL BUILDING, INSTALLING & SPEC. BY AREA AND TP1. BEG CONNECTOR PLATES ARE MADE OF 2018/1656A C/AS/A570 A570 A653 GRADE 40/60 C/K/AS/SS GALV. STEEL. APPLY PLATES TO EACH FACE OF THE TRUSS CHORDS FOLLOWED BY CD SHALL BE PER DESIGN, POSITION PER DRAWINGS 1604-Z. ANY INSPECTION OF PLATES FOLLOWED BY CD SHALL BE PER AREA AND TP1 1-2002S SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER AND IS NOT A GUARANTEE OF THE TRUSS CONSTRUCTION DESIGN SHOWN. THE SUBMITTER AND USER OF THIS DRAWING OR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER CONSTRUCTION SEC. 2.



FEEs:

ROAD IMPACT FEE 10100003632400	<u>\$1,046.00</u>	CODE	<u>210</u>	UNIT	<u>1</u>
EMS IMPACT FEE 10300003632210	<u>\$29.88</u>				
FIRE PROTECTION IMPACT FEE 10200003632220	<u>\$78.63</u>				
CORRECTIONS IMPACT FEE 00100003632200	<u>\$409.16</u>				
SCHOOL IMPACT FEE 00100003632900	<u>\$1,500.00</u>				
TOTAL FEES CHARGED	<u>\$3,063.67</u>	CHECK NUMBER	<u>2031</u>		



A locally owned
company serving
you since 1977

PEST CONTROL, INC.

17856 U.S. 129 • McALPIN, FLORIDA 32062
(386) 362-3887 • 1-800-771-3887 • Fax: (386) 364-3529

PERMIT # 000026860

Notice of Prevention for Subterranean Termites

(As required by Florida Building Code (FBC) 104.2.6)

MICHAEL + SEPANIE FOREMAN 322 NW COURTYARD DR. LAKE CITY FL

Notice of Prevention for Subterranean Termites

(As required by Florida Building Code (FBC) 104.2.6)



Live Oak
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(386) 362-3887 • 1-800-771-3887 • Fax: (386) 364-3529

000026860

Foreman - 322 NW Country Lake Dr. Lake City, FL

Address of Treatment or Lot/Block of Treatment

Date

Time

Applicator

Product Used

Chemical used (active ingredient)

Number of gallons applied

Percent Concentration

Area treated (square feet)

Linear feet treated

Stage of treatment (Horizontal, Vertical, Adjoining Slab, retreat of disturbed area)

As per 104.2.6 - If soil chemical barrier method for Subterranean 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 and date this line.

Notice of Prevention for Subterranean Termites

(As required by Florida Building Code (FBC) 104.2.6)



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PERMIT # 000026860

MICHAEL + STEPHANIE FOREMAN 322 NW COUNTRY LAKE DR. LAKE CITY FL

Address of Treatment or Lot/Block of Treatment

Date

Time

Applicator

Product Used

Chemical used (active ingredient)

Number of gallons applied

Percent Concentration

Area treated (square feet)

Linear feet treated

Stage of treatment (Horizontal, Vertical, Adjoining Slab, retreat of disturbed area)

As per 104.2.6 - If soil chemical barrier method for Subterranean termite prevention is used, final exterior treatment shall be completed prior to final building approval.

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