

APPLICANTWADE WILLISPHONE386.623.3331

ADDRESSPOB 1546LAKE CITYFL32056

OWNERNICK KARANTINOSPHONE

ADDRESS945SW MOUNT CARMEL AVENUELAKE CITYFL32024

CONTRACTORWADE WILLISPHONE386.961.9962

LOCATION OF PROPERTY90-W TO CR-252,TL TO MT. CARMEL,TL 4TH PROPERTY ON
R.

TYPE DEVELOPMENTSFD/UTILITYESTIMATED COST OF CONSTRUCTION210650.00

HEATED FLOOR AREATOTAL AREAHEIGHTSTORIES

2184.004213.0029.501

FOUNDATIONCONCWALLSFRAMEDROOF PITCH10'12FLOORCONC

LAND USE & ZONINGRRMAX. HEIGHT35

Minimum Set Back Requirments:STREET-FRONT25.00REAR15.00SIDE10.00

NO. EX.D.U.0FLOOD ZONEXDEVELOPMENT PERMIT NO.

PARCEL ID09-4S-16-02821-000SUBDIVISION

LOTBLOCKPHASEUNITTOTAL ACRES39.26

CBC1252491

Culvert Permit No.Culvert WaiverContractor's License NumberApplicant/Owner/Contractor

EXISTING08-0076BLKJTHN

Driveway ConnectionSeptic Tank NumberLU & Zoning checked byApproved for IssuanceNew Resident

COMMENTS:1 FOOT ABOVE ROAD.

Check # or Cash1945

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary PowerFoundationMonolithic

date/app. bydate/app. bydate/app. by

Under slab rough-in plumbingSlabSheathing/Nailing

date/app. bydate/app. bydate/app. by

FramingRough-in plumbing above slab and below wood floor

date/app. bydate/app. bydate/app. by

Electrical rough-inHeat & Air DuctPeri. beam (Lintel)

date/app. bydate/app. bydate/app. by

Permanent powerC.O. FinalCulvert

date/app. bydate/app. bydate/app. by

M/H tie downs, blocking, electricity and plumbingPool

date/app. bydate/app. bydate/app. by

ReconnectionPump poleUtility Pole

date/app. bydate/app. bydate/app. by

M/H PoleTravel TrailerRe-roof

date/app. bydate/app. bydate/app. by

BUILDING PERMIT FEE \$1055.00CERTIFICATION FEE \$21.07SURCHARGE FEE \$21.07

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

FLOOD DEVELOPMENT FEE \$FLOOD ZONE FEE \$25.00CULVERT FEE \$TOTAL FEE1172.14

INSPECTORS OFFICECLERKS 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 # 0801-76 Date Received 1/15/08 By G Permit # 26710
 Application Approved by - Zoning Official B2K Date 28.01.08 Plans Examiner PKJH Date 1-22-08
 Flood Zone X Development Permit N/A Zoning RR Land Use Plan Map Category RES.U.L Dev

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

Name Authorized Person Signing Permit Wade Willis Fax 386-961-9963
 Address PO Box 1546 Lake City FL 32056 Phone 386-623-3331
 Owners Name Nick Karantinos Phone _____
 911 Address 945 SW Mount Carmel Ave LC FL 32024
 Contractors Name Wade Willis Phone 386-961-9962
 Address _____

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

Circle the correct power company FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 09-45-16-02821-000 Estimated Cost of Construction 230,000
 Subdivision Name NA Lot _____ Block _____ Unit _____ Phase _____
 Driving Directions Highway 90 West TL on county road 252, TL on MT Carmel, property on the right (4th)

Type of Construction SFD new construction of personal Number of Existing Dwellings on Property 0
 Total Acreage 39.26 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 200' Side 295' Side 1005' Rear 1050'
 Total Building Height 29.5 Number of Stories 1 Heated Floor Area 2184 Roof Pitch 10/12

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

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

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

Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
 COUNTY OF COLUMBIA



Sworn to (or affirmed) and subscribed before me this 15th day of January 2008.

Personally known ☒ or Produced Identification photo

Contractor Signature _____
 Contractors License Number CBC 1252491
 Competency Card Number _____
 NOTARY STAMP/SEAL

Notary Signature _____ (Revised Sept. 2006)

15th message 1/25/08

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

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

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

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

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

OWNERS CERTIFICATION: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.


Owners Signature

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

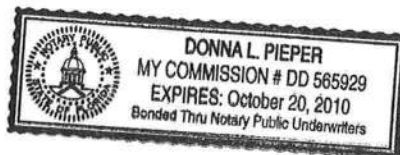

Contractor's Signature (Permitee)

Contractor's License Number CBC1252491
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 29 day of January 2008.
Personally known ☒ or Produced Identification _____


State of Florida Notary Signature (For the Contractor)

SEAL:



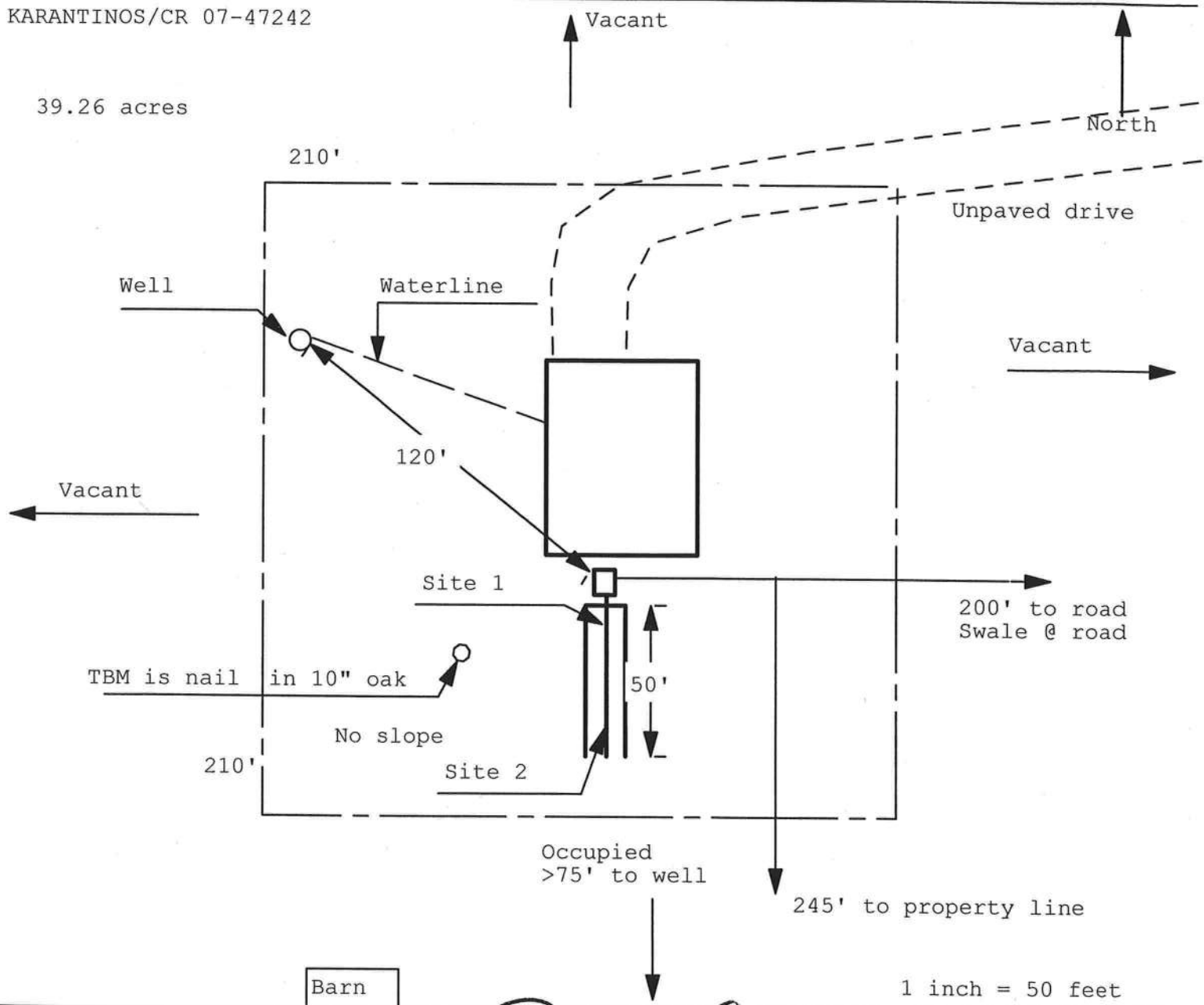
08-0076

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: KARANTINOS

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

KARANTINOS/CR 07-47242

39.26 acres



Site Plan Submitted By Paul Lloyd Date 1/11/08
Plan Approved ☒ Not Approved ☐ Date 1/18/08
By John O. L. Columbia CPHU

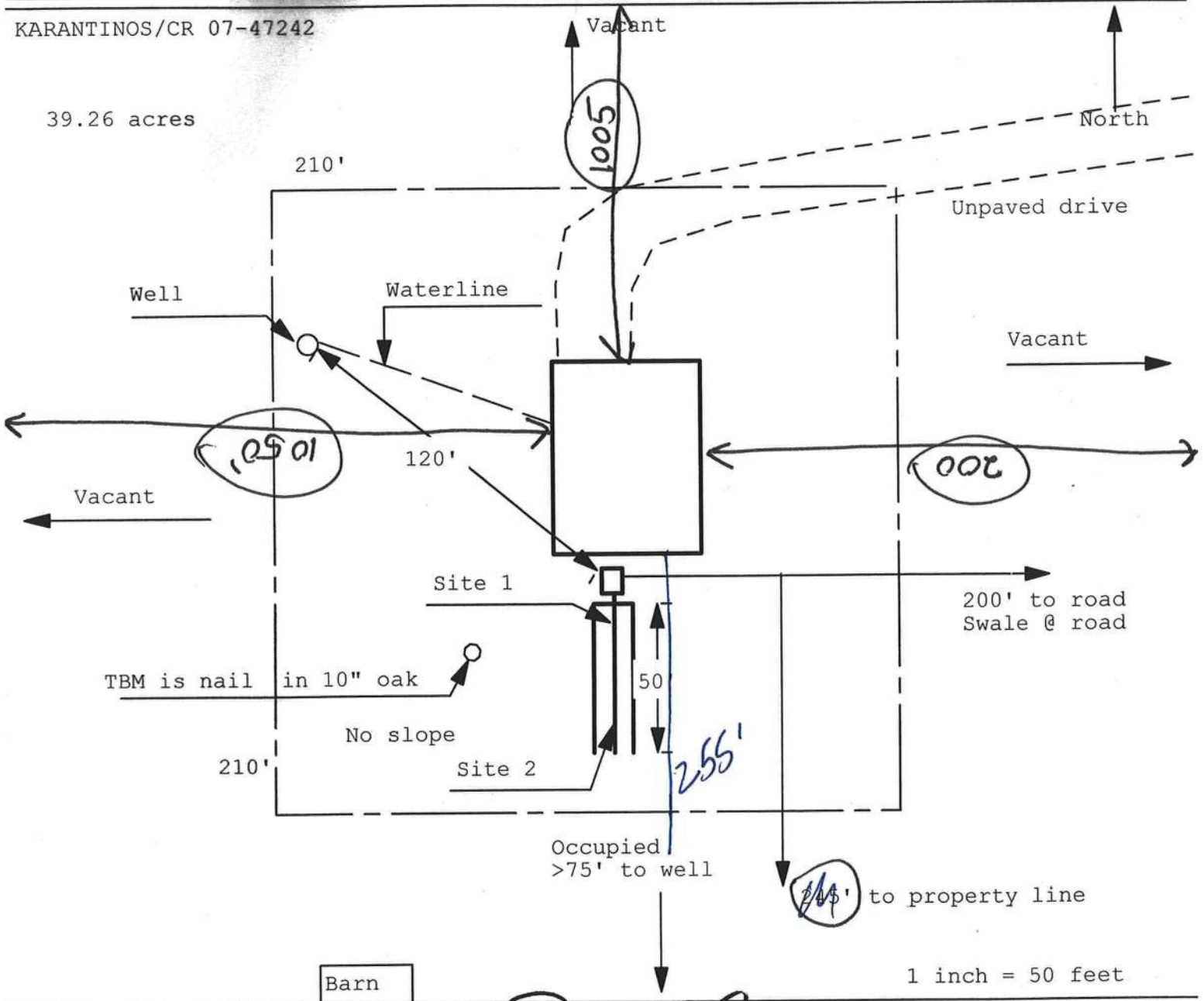
Notes: _____

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

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

KARANTINOS/CR 07-47242

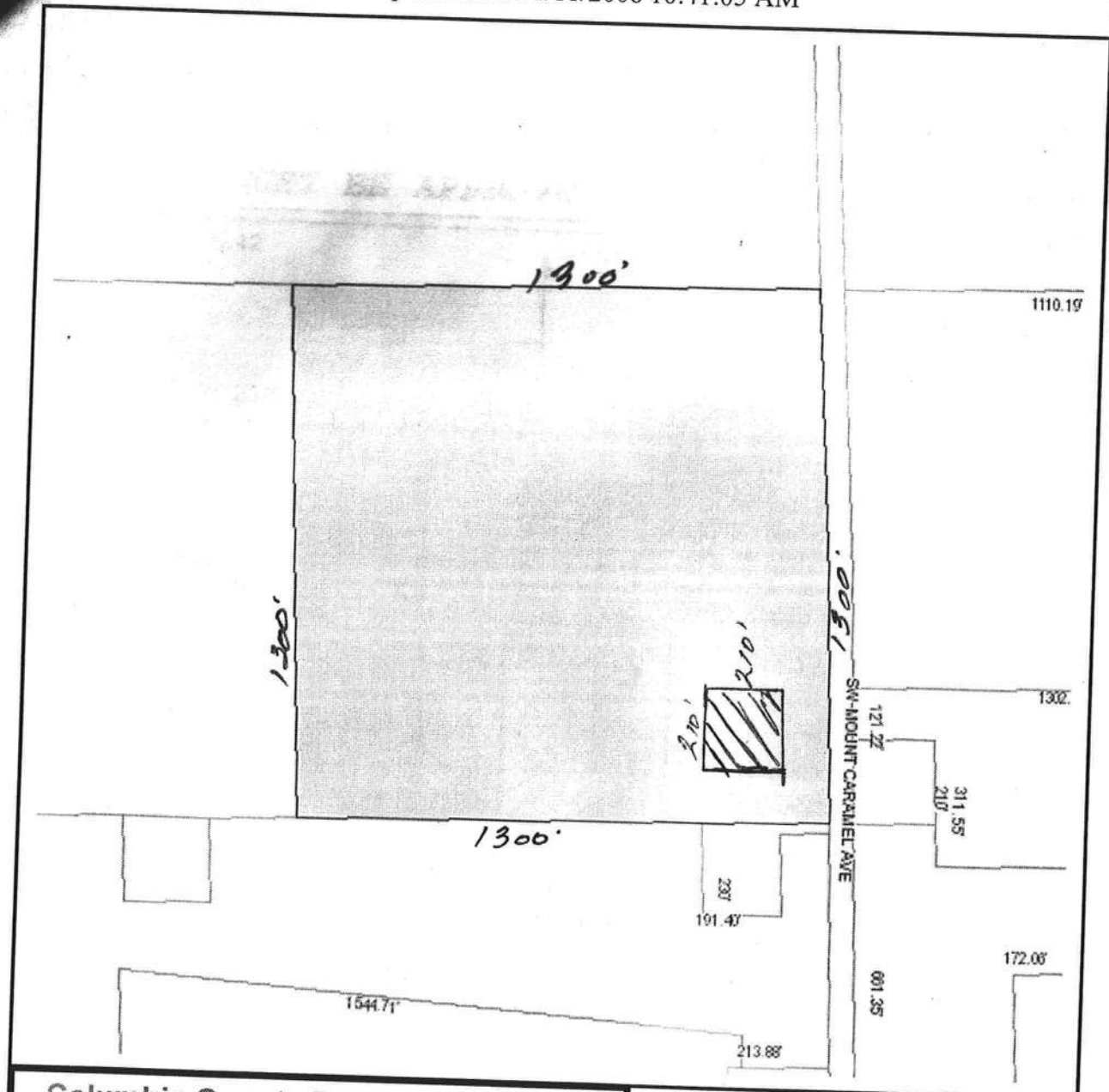
39.26 acres



Site Plan Submitted By Paul Lloyd Date 1/11/08
Plan Approved _____ Not Approved _____ Date _____

By _____ CPHU

Notes: _____



Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 09-4S-16-02821-000 - PASTURELAN (006200)

Name: KARANTINOS NICK	LandVal	\$0.00
Site: ---	BldgVal	\$0.00
Mail: 178 SW ANN PLACE	ApprVal	\$8,026.00
LAKE CITY, FL 32024	JustVal	\$216,890.00
Sales Info 12/1/1983 \$44,000.00 / U	Assd	\$8,026.00
	Exmpt	\$0.00
	Taxable	\$8,026.00

0 160 320 480 ft



This information, GIS Map Updated: 11/15/2007, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 1/10/2008 DATE ISSUED: 1/11/2008

ENHANCED 9-1-1 ADDRESS:

945 SW MOUNT CARMEL AVE
LAKE CITY FL 32024
PROPERTY APPRAISER PARCEL NUMBER:
00-4S-18-02821-000

Remarks:

Address Issued By: 
Columbia County 9-1-1 Addressing / GIS Department

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

Approved Address

1084

JAN 11 2008

911Addressing/GIS Dept

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

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

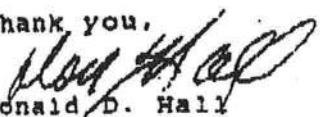
June 12, 2002

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

Columbia County Property Appraiser

3 Last Updated: 11/15/2007

Parcel: 09-4S-16-02821-000

2008 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

Owner's Name	KARANTINOS NICK		
Site Address	---		
Mailing Address	178 SW ANN PLACE LAKE CITY, FL 32024		
Use Desc. (code)	PASTURELAN (006200)		
Neighborhood	9416.00	Tax District	3
UD Codes	MKTA06	Market Area	06
Total Land Area	39.260 ACRES		
Description	NE1/4 OF NW1/4. ORB 527-010 EX RD R/W DESC ORB 778-1753		

<< Prev

Search Result: 2 of 2

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (0)	\$0.00
Ag Land Value	cnt: (1)	\$7,066.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (1)	\$960.00
Total Appraised Value		\$8,026.00

Just Value	\$216,890.00
Class Value	\$8,026.00
Assessed Value	\$8,026.00
Exempt Value	\$0.00
Total Taxable Value	\$8,026.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
12/1/1983	527/10	WD	I	U	01	\$44,000.00

Building Characteristics

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

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0040	BARN,POLE	0	\$960.00	1.000	24 x 40 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
006200	PASTURE 3 (AG)	39.260 AC	1.00/1.00/1.00/1.00	\$180.00	\$7,066.00
009910	MKT.VAL.AG (MKT)	39.260 AC	1.00/1.00/1.00/1.00	\$0.00	\$215,930.00

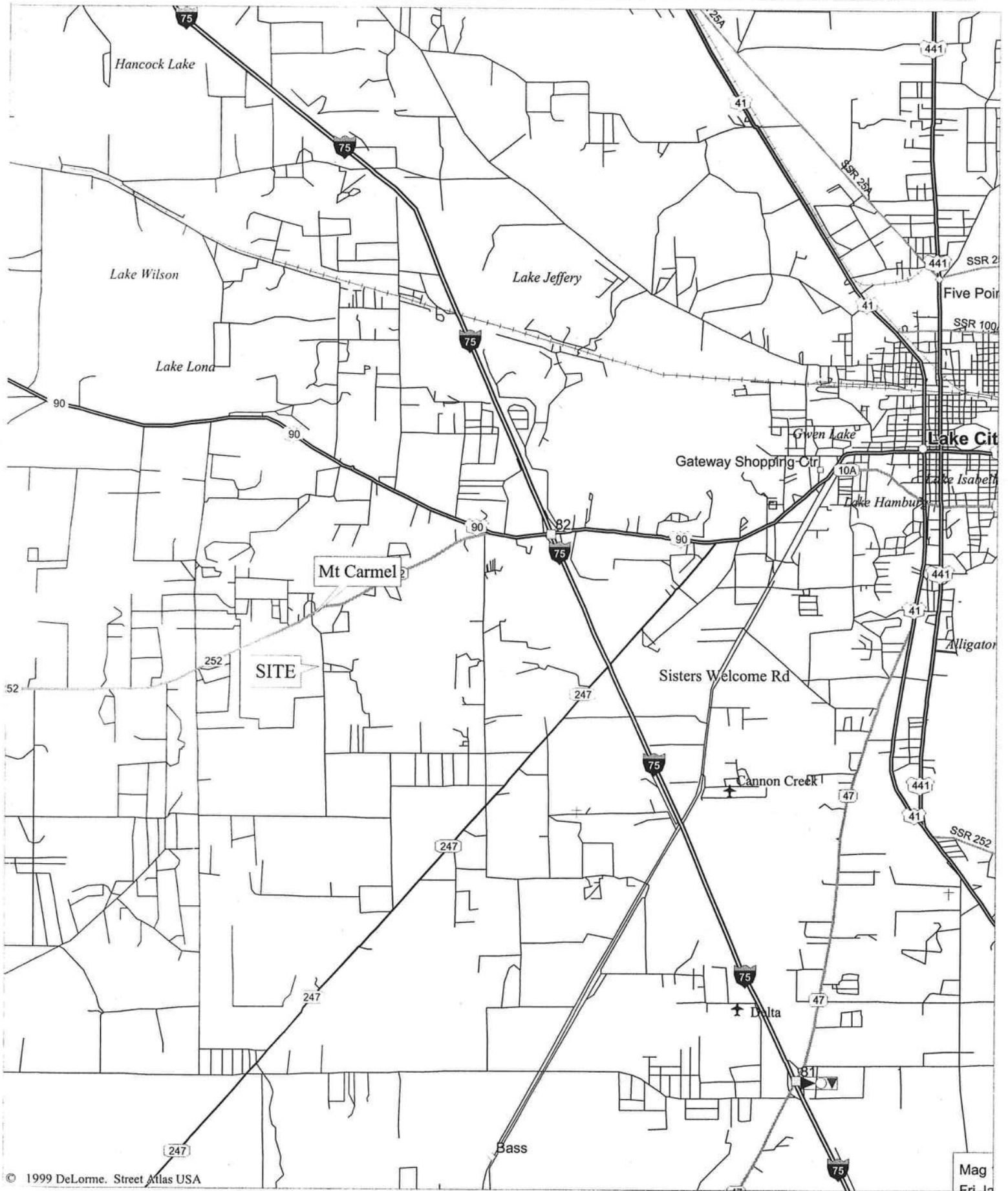
Columbia County Property Appraiser

DB Last Updated: 11/15/2007

[<< Prev](#)

2 of 2

Nick Karantinos





- Engineering
 - Geotechnical
 - Environmental
- Laboratories

Cal-Tech Testing, Inc.

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456

4784 Rosselle St., Jacksonville, FL 32254 • Tel(904)381-8901 • Fax(904)381-8902

#26701

REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 09-00049-01

DATE TESTED: 1/30/09

DATE REPORTED: 2/3/09

PROJECT:	236 SW Coats Glen, Lake City, FL
CLIENT:	Andrew Schneider, 4445 SW 35th Terrace, Suite 120, Gainesville, FL 32608
GENERAL CONTRACTOR:	Andrew Schneider
EARTHWORK CONTRACTOR:	Andrew Schneider
INSPECTOR:	G. Osburn
ASTM METHOD	SOIL USE
(D-2922) Nuclear	BUILDING FILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	MAXIMUM DENSITY
1	North End Center 15' South	12"	112.7	7.2	105.1	1	106.0	99%
2	SW Corner of Pad	12"	110.8	6.4	104.1	1	106.0	98%
3	SE Corner of Pad	12"	112.1	7.0	104.8	1	106.0	99%

REMARKS: The Above Tests Meet Specified Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
1	Tan Fine Sand	106.0	12.0	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Reviewed By:

Linda M. Creamer
President - CEO

Date:
Licensed, Florida No: 57842

ee

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	712101WadeWillisConstruction	Builder:	
Address:	Troy Road	Permitting Office:	
City, State:	, FL	Permit Number:	
Owner:	Karantinos Residence	Jurisdiction Number:	
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 50.0 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?	Yes	c. N/A	
6. Conditioned floor area (ft²)	3004 ft²	13. Heating systems	
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 50.0 kBtu/hr
a. U-factor:	Description Area		HSPF: 7.90
(or Single or Double DEFAULT) 7a. (Dble Default) 386.0 ft²		b. N/A	
b. SHGC:		c. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear) 386.0 ft²		14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 40.0 gallons
a. Slab-On-Grade Edge Insulation	R=0.0, 252.0(p) ft		EF: 0.93
b. N/A		b. N/A	
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar	
a. Frame, Wood, Exterior	R=13.0, 1664.0 ft²	DHP-Dedicated heat pump)	
b. Frame, Wood, Adjacent	R=13.0, 331.0 ft²	15. HVAC credits	
c. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
d. N/A		HF-Whole house fan,	
e. N/A		PT-Programmable Thermostat,	
10. Ceiling types		MZ-C-Multizone cooling,	
a. Under Attic	R=30.0, 3672.0 ft²	MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 210.0 ft		
b. N/A			

Glass/Floor Area: 0.13

Total as-built points: 35935

Total base points: 39618

PASS

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

PREPARED BY: Wade Willis

DATE: 1-15-07

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Troy Road, , 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	3004.0	20.04	10836.0	Double, Clear	S	1.5	6.5	60.0	35.87	0.88	1886.9
				Double, Clear	S	8.0	6.5	15.0	35.87	0.49	264.0
				Double, Clear	S	8.0	6.5	25.0	35.87	0.49	440.1
				Double, Clear	S	9.0	6.5	20.0	35.87	0.48	344.8
				Double, Clear	SE	1.5	6.5	15.0	42.75	0.90	578.7
				Double, Clear	S	5.0	6.5	20.0	35.87	0.56	402.2
				Double, Clear	SW	9.0	6.5	15.0	40.16	0.44	262.2
				Double, Clear	E	1.5	6.5	30.0	42.06	0.93	1169.2
				Double, Clear	W	1.5	6.5	15.0	38.52	0.93	535.7
				Double, Clear	W	1.5	5.5	16.0	38.52	0.90	552.8
				Double, Clear	N	8.0	6.5	60.0	19.20	0.68	780.5
				Double, Clear	E	1.5	6.5	15.0	42.06	0.93	584.6
				Double, Clear	E	1.5	6.5	30.0	42.06	0.93	1169.2
				Double, Clear	E	1.5	6.5	20.0	42.06	0.93	779.5
				Double, Clear	N	1.5	6.5	30.0	19.20	0.95	545.7
				As-Built Total:				386.0	10296.1		
WALL TYPES Area X BSPM = Points				Type			R-Value	Area X SPM = Points			
Adjacent	331.0	0.70	231.7	Frame, Wood, Exterior			13.0	1664.0	1.50	2496.0	
Exterior	1664.0	1.70	2828.8	Frame, Wood, Adjacent			13.0	331.0	0.60	198.6	
Base Total:				As-Built Total:				1995.0	2694.6		
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	20.0	1.60	32.0	Exterior Insulated				20.0	4.10	82.0	
Exterior	40.0	4.10	164.0	Exterior Insulated				20.0	4.10	82.0	
				Adjacent Insulated				20.0	1.60	32.0	
Base Total:				As-Built Total:				60.0	196.0		
CEILING TYPES Area X BSPM = Points				Type			R-Value	Area X SPM X SCM = Points			
Under Attic	2184.0	1.73	3778.3	Under Attic			30.0	3672.0	1.73 X 1.00	6352.6	
Base Total:				As-Built Total:				3672.0	6352.6		
FLOOR TYPES Area X BSPM = Points				Type			R-Value	Area X SPM = Points			
Slab	252.0(p)	-37.0	-9324.0	Slab-On-Grade Edge Insulation			0.0	252.0(p)	-41.20	-10382.4	
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:				252.0	-10382.4		

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Troy Road, , FL,

PERMIT #:

BASE				AS-BUILT						
INFILTRATION Area X BSPM = Points				Area X SPM = Points						
3004.0 10.21 30670.8				3004.0 10.21 30670.8						
Summer Base Points: 39217.7				Summer As-Built Points: 39827.7						
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
39217.7		0.4266	16730.3	(sys 1: Central Unit 50000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 39828	1.00	(1.09 x 1.147 x 0.91)	0.263	1.000	11896.2	
				39827.7	1.00	1.138	0.263	1.000	11896.2	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Troy Road, , 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	3004.0	12.74	6888.8	Double, Clear	S	1.5	6.5	60.0	13.30	1.09	872.9
				Double, Clear	S	8.0	6.5	15.0	13.30	3.07	612.7
				Double, Clear	S	8.0	6.5	25.0	13.30	3.07	1021.2
				Double, Clear	S	9.0	6.5	20.0	13.30	3.19	847.9
				Double, Clear	SE	1.5	6.5	15.0	14.71	1.08	238.6
				Double, Clear	S	5.0	6.5	20.0	13.30	2.31	614.2
				Double, Clear	SW	9.0	6.5	15.0	16.74	1.77	445.1
				Double, Clear	E	1.5	6.5	30.0	18.79	1.03	581.1
				Double, Clear	W	1.5	6.5	15.0	20.73	1.02	317.0
				Double, Clear	W	1.5	5.5	16.0	20.73	1.03	341.0
				Double, Clear	N	8.0	6.5	60.0	24.58	1.02	1505.4
				Double, Clear	E	1.5	6.5	15.0	18.79	1.03	290.5
				Double, Clear	E	1.5	6.5	30.0	18.79	1.03	581.1
				Double, Clear	E	1.5	6.5	20.0	18.79	1.03	387.4
				Double, Clear	N	1.5	6.5	30.0	24.58	1.00	738.8
				As-Built Total:		386.0			9394.9		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	331.0	3.60	1191.6	Frame, Wood, Exterior	13.0		1664.0	3.40	5657.6		
Exterior	1664.0	3.70	6156.8	Frame, Wood, Adjacent	13.0		331.0	3.30	1092.3		
Base Total: 1995.0 7348.4				As-Built Total:		1995.0			6749.9		
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	20.0	8.00	160.0	Exterior Insulated			20.0	8.40	168.0		
Exterior	40.0	8.40	336.0	Exterior Insulated			20.0	8.40	168.0		
				Adjacent Insulated			20.0	8.00	160.0		
Base Total: 60.0 496.0				As-Built Total:		60.0			496.0		
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2184.0	2.05	4477.2	Under Attic	30.0		3672.0	2.05 X 1.00	7527.6		
Base Total: 2184.0 4477.2				As-Built Total:		3672.0			7527.6		
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	252.0(p)	8.9	2242.8	Slab-On-Grade Edge Insulation	0.0		252.0(p)	18.80	4737.6		
Raised	0.0	0.00	0.0								
Base Total: 2242.8				As-Built Total:		252.0			4737.6		

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Troy Road, , FL,

PERMIT #:

BASE			AS-BUILT		
INFILTRATION Area X BWPM = Points			Area X WPM = Points		
3004.0 -0.59 -1772.4			3004.0 -0.59 -1772.4		
Winter Base Points: 19680.8			Winter As-Built Points: 27133.6		
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
19680.8	0.6274	12347.7	(sys 1: Electric Heat Pump 50000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Int(AH),R6.0 27133.6 1.000 (1.069 x 1.169 x 0.93) 0.432 1.000 13611.6	1.000 1.162 0.432 1.000	13611.6
19680.8	0.6274	12347.7	27133.6	1.00	1.162 0.432 1.000 13611.6

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Troy Road, , 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
				As-Built Total:					10426.7

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	= Total Points	Cooling Points	+	Heating Points	= Total Points
16730		12348	39618	11896		13612	35935

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Troy Road, , 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* = 84.9

The higher the score, the more efficient the home.

Karantinos Residence, Troy Road, , FL,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 50.0 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?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	3004 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: 50.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 386.0 ft ²	___		HSPF: 7.90
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 386.0 ft ²	___	c. N/A	___
8. Floor types		___		___
a. Slab-On-Grade Edge Insulation	R=0.0, 252.0(p) ft	___	14. Hot water systems	
b. N/A		___	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, 1664.0 ft ²	___	c. Conservation credits	___
b. Frame, Wood, Adjacent	R=13.0, 331.0 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, 3672.0 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, 210.0 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 EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

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



0801-76

COLUMBIA COUNTY FLORIDA

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 09-4S-16-02821-000

Building permit No. 000026710

Use Classification SFD/UTILITY

Fire: 109.98

Permit Holder WADE WILLIS

Waste: 150.75

Owner of Building NICK KARANTINOS

Total: 260.73

Location: 945 SW MOUNT CARMEL AVE., LAKE CITY, FL

Date: 01/29/2009

Taney Becker

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:1TE28228Z0114102745

Truss Fabricator: Anderson Truss Company
Job Identification: 8-009--Fill in later WADE WILLIS -- , **
Truss Count: 55
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.36, 7.37.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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

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

Seal Date: 01/14/2008

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	86370--A11		08014047	01/14/08
2	86371--A10		08014048	01/14/08
3	86372--A5		08014049	01/14/08
4	86373--A		08014050	01/14/08
5	86374--A2		08014051	01/14/08
6	86375--A7		08014085	01/14/08
7	86376--A-9		08014004	01/14/08
8	86377--A-8		08014086	01/14/08
9	86378--A-6		08014007	01/14/08
10	86379--A-4		08014021	01/14/08
11	86380--A-3		08014033	01/14/08
12	86381--AGE1		08014045	01/14/08
13	86382--AGE2		08014046	01/14/08
14	86383--H7B		08014077	01/14/08
15	86384--H9B		08014052	01/14/08
16	86385--H11B		08014053	01/14/08
17	86386--H13B		08014054	01/14/08
18	86387--H15B		08014055	01/14/08
19	86388--H17B		08014056	01/14/08
20	86389--B		08014057	01/14/08
21	86390--B-1		08014058	01/14/08
22	86391--B-2		08014059	01/14/08
23	86392--C		08011077	01/11/08
24	86393--CGE		08014075	01/14/08
25	86394--H7D		08014076	01/14/08
26	86395--H9D		08011078	01/11/08
27	86396--D-1		08014087	01/14/08
28	86397--DOR		08011079	01/11/08
29	86398--DORG		08014078	01/14/08
30	86399--H7E		08014079	01/14/08
31	86400--E-1		08014080	01/14/08
32	86401--F-1		08014081	01/14/08
33	86402--H3F		08014088	01/14/08
34	86403--EJ3		08011080	01/11/08
35	86404--CJ1		08014060	01/14/08
36	86405--HJ7		08014082	01/14/08

#	Ref	Description	Drawing#	Date
37	86406--HJ3		08014083	01/14/08
38	86407--CJ3		08011081	01/11/08
39	86408--CJ5		08011082	01/11/08
40	86409--EJ7		08011083	01/11/08
41	86410--CP		08014061	01/14/08
42	86411--CPGE		08014084	01/14/08
43	86412--PB1		08014062	01/14/08
44	86413--PB2		08014063	01/14/08
45	86414--PB3		08014064	01/14/08
46	86415--PB4		08014065	01/14/08
47	86416--AP		08014066	01/14/08
48	86417--AP		08014067	01/14/08
49	86418--AP		08014068	01/14/08
50	86419--AP		08014069	01/14/08
51	86420--AP		08014070	01/14/08
52	86421--AP		08014071	01/14/08
53	86422--AP		08014072	01/14/08
54	86423--PB6		08014073	01/14/08
55	86424--PB5		08014074	01/14/08



.....

Negative reaction(s) of -847# MAX. (See below) from a non-wind load case requires uplift connection.

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

Wind reactions based on MMFRS pressures.

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.



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

 $Cq/RT=1.00(1.25)/10(0) \quad 7.36.0424$

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

Scale = .125"/Ft.

6.0424

TC LL	20.0 PSF	REF	R8228 - 86370
TC DL	10.0 PSF	DATE	01/14/08

BC LL	0.0
-------	-----

TOT.LD. 40.0

DUR.-FAC. 1.25

SPACING 24.0

JREF - 1TE28228Z01

הערה: המידע המוצג כאן אינו מהווה ייעוץ או המלצה להשקיע או להימנע מהשקעה, ויש להתייעץ עם יועץ השקעות.

Webs 2x4 SP #3

Negative reaction(s) of -847# MAX. (See below) from a non-wind load case requires uplift connection.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from

Wind reactions based on MMFRS pressures.
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.



Scale = .125"/Ft.

JAMES F. COLLINS
LICENSE
NO. 52913
JR



STATE OF

Figure 1

1000

[illegible]

TC LL	20.0 PSF	REF	R8228- 86371
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 0801404
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEON-	26599
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228201

THE UNIVERSITY OF CHICAGO PRESS

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

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 14-8-0 to 31-8-0.

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



D-260E 11-106 11-9 10E

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

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

7.36.0424 FL/-/4/-/-/R/- QTY:1

Scale = .125"/Ft.

JAMES H. COLLINGS
LICENSEE
No. 57212
JRS

****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 AISC NATIONAL DESIGN SPEC. BY AISC AND THE

CONNECTION PLATE SHALL BE 20/10/1000 (M.M./SS/K) MSIN 6053 GRADE 40/60 (M. K/M,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2

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

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

100

STATE OF TEXAS

REGIONAL ENG

Jan 14 08

TC LL	20.0 PSF	REF	R8228- 86372
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 0801404
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26607
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228Z01

מכאן נראה כי המערכת (למשל) שומרת על איזון בין המידע המסופק להנהלה ובין המידע המסופק לציבור.

Negative reaction(s) of -184# MAX. (See below) from a non-wind load case requires uplift connection.

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

(A) Continuous lateral bracing equally spaced on member.

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.

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

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

Scale = .125"/Ft.

WARNING: TRUCKS (INCLUDING EXTERIOR CASE) IN OPERATION, HANDLING, SHIPPING, INSTALLING, AND DRIVING REFER TO GC51 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK 4000 TRUSS COMPANY OF AMERICA, 65000 INTERSTATE LAKE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNDESIRABLE OUTCOMES INDICATED FOR GOOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED CHORD CEILING.

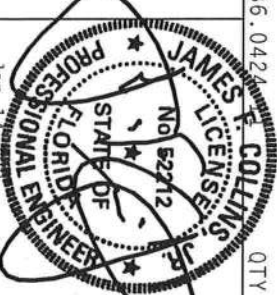
IMAGING- TURE, 210 A, 6300 UNLESS SHALL HAVE	TC LL 20.0 PSF	TC DL 10.0 PSF
--	-------------------	-------------------

REF	R8228 - 86373
DATE	01/14/08

ADT

ITW Building Components Group, Inc.

Haines City, FL 33844
FL Certificate of Authorization # 00076



Jan 14 08

TC LL	20.0 PSF	REF	R8228- 86373
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014050
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26621
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228201

JREF- 1TE28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense :B2, B4 2x4 SP #2 Dense:

(A) Continuous lateral bracing equally spaced on member.

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

BC attic room floor loading: LL = 40.00 psf, DL = 10.00 psf; from 14-8-0 to 31-8-0.

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

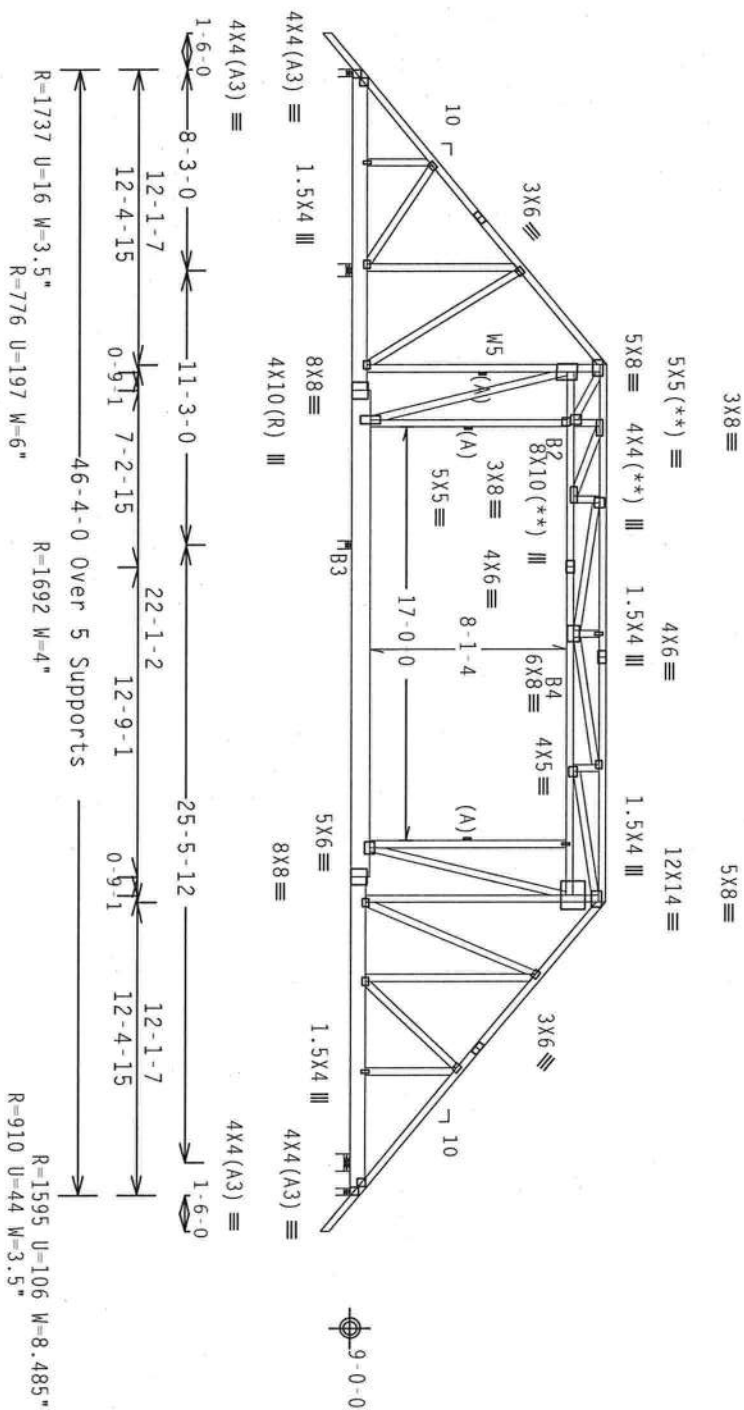
(**) 3 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

Wind reactions based on MMFRS pressures.

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.



Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave

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

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

QTY: 1

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

Scale = .125"/Ft.

WARNING: ALL TRUCKS (INCLUDING COMPACT TRUCKS) CAUSE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND REMOVING REFER TO GC-1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WFLA (4000 TRUSS COUNCIL OF AMERICA, 65000 INDUSTRIAL ENTERPRISE LANE, MOUNTAIN, NJ 07036) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE PRODUCT.

BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE SOLE RESPONSIBILITY OF THE USER. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

DECISION CONFORMS WITH APPLICABLE PROVISIONS OF MD5 (NATIONAL DESIGN SPEC., BY AIA/SPA) AND TYP. ITM BR. 1664-2.

CONNECTOR PLATES ARE MADE OF 20/18/1664 (H, H/55/K) ASTM A653 GRADE 40/60 (H, K/H, 55) GALV. STEEL, APPLY PLATES TO EACH FACE OF ENDUS AND UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 1664-2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII-2002 SEC.3.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS FROM

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 # 00076



Jan 14 '08

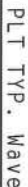
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BC DL	10.0 PSF	DRW	HCUSR8228 08014051
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26632
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228Z01

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

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

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

 $Cq/RT=1.00(1.25)/10(0) \quad 7.36.0424$
$$FL/-/4/-/-/R/-/-$$

Scale = .125" / Ft.

JAMES P. COLLINS, JR.
LICENSEE
No. E21233

OFFICIAL

PRUNAL E

00 14 00

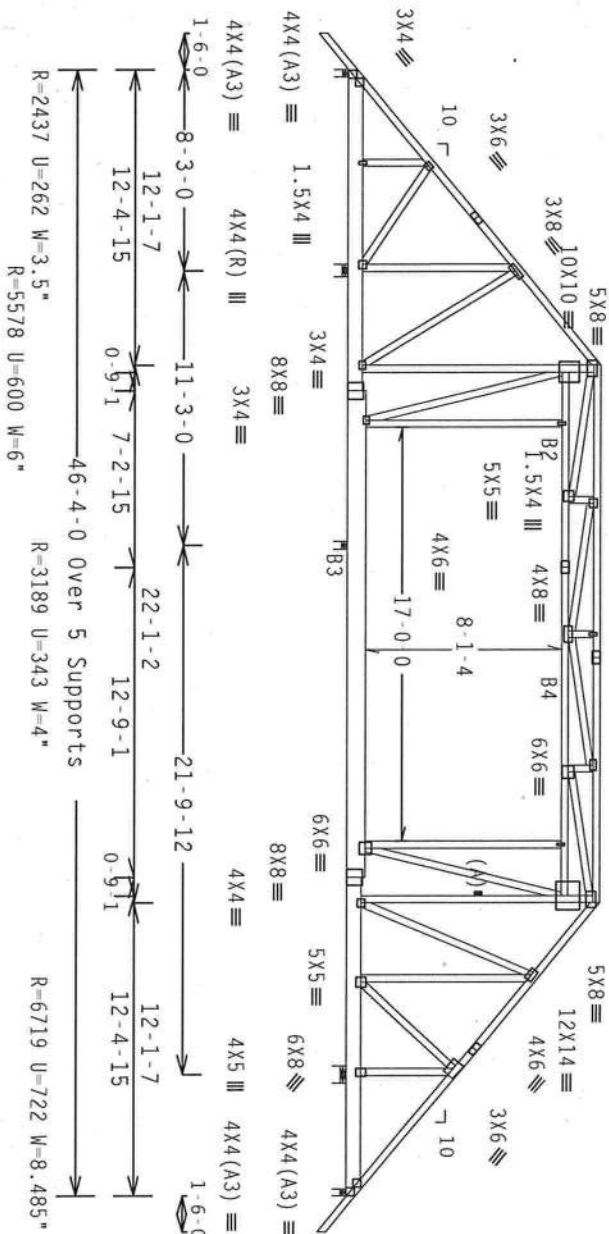
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TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCSUR8228 08014085
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26642
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228Z01

Top chord 2x4 SP #2 Dense :82, B4 2x4 SP #2 Dense:
Bot chord 2x8 SP #1 Dense :82, B4 2x4 SP #2 Dense:
Web 2x4 SP #3

SPECIAL LOADS
-----LUMBER DUR. FAC. =1.25 / PLATE DUR. FAC. =1.25
TC - From 132 PLF at -1.50 to 132 PLF at 3.68
TC - From 405 PLF at 3.68 to 378 PLF at 6.00
TC - From 378 PLF at 6.00 to 329 PLF at 10.17
TC - From 329 PLF at 10.17 to 132 PLF at 12.12
TC - From 132 PLF at 12.12 to 132 PLF at 24.21
TC - From 132 PLF at 24.21 to 132 PLF at 40.34
TC - From 132 PLF at 40.34 to 132 PLF at 47.83
PLT - From 40 PLF at 14.67 to 40 PLF at 20.41
PLT - From 40 PLF at 20.41 to 10 PLF at 31.67
BC - From 10 PLF at -1.50 to 10 PLF at 0.00
BC - From 10 PLF at 0.00 to 40 PLF at 3.68
BC - From 40 PLF at 3.68 to 240 PLF at 31.67
BC - From 240 PLF at 31.67 to 40 PLF at 46.33
BC - From 40 PLF at 46.33 to 10 PLF at 47.83
BC - 324 LB Conc. Load at 14.67, 31.67

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

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FABRICATOR TO REVIEW THIS DWG PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA, INCLUDING DIMENSIONS AND LOADS, CONFORM TO THE ARCHITECTURAL PLANS/ SPECIFICATIONS AND FABRICATOR'S TRUSS LAYOUT.



WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Box-or-Gun-(0.128"x3"-min.)-nails)
Top Chord: 1 Row @ 7.50" o.c.
Bot Chord: 1 Row @ 9.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Negative reaction(s) of -1334# MAX. (See below) from a non-wind load case requires uplift connection.

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

Wind reactions based on MMFRS pressures.

(A) continuous lateral bracing, equally spaced on member.

Trusses to be spaced at 48.0" OC maximum.

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

R=15/-1335 Rw=144 U=70 W=3.5"

PLT TYP. Wave

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

QTY:1

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

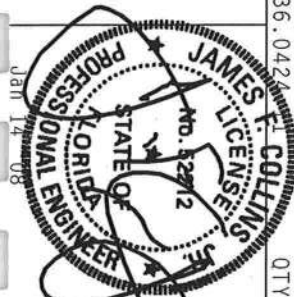
Scale = .125"/ft.

****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 STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND (800) 600-TRUSS. CONDUCT 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 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 CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/NA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/160 (20/18/160) ASTM A653 GRADE 40/60 (40/60) (40/60) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY A SIGNATURE OF THE DESIGNER. THE DESIGNER'S RESPONSIBILITY FOR THE TRUSS COMPONENTS 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 #0370



TC LL	20.0 PSF	REF	R8228- 86376
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014004
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT. LD.	40.0 PSF	SEON-	26945
DUR. FAC.	1.25		
SPACING	48.0"	UREF-	1TE28228201

2 COMPLETE TRUSSES REQUIRED

2 COMPLETE TRUSSES REQUIRED

Top Chord:	1 Row	@ 1.50	0.00
Bot Chord:	1 Row	@ 9.00	0.00

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 B. wind TC DL=5.0 psf. wind BC DL=5.0 psf. Iw=1.00 GCPI(+/-)=0.18

Wind reactions based on MMFRS pressures.

(A) continuous lateral bracing, equally spaced on member.

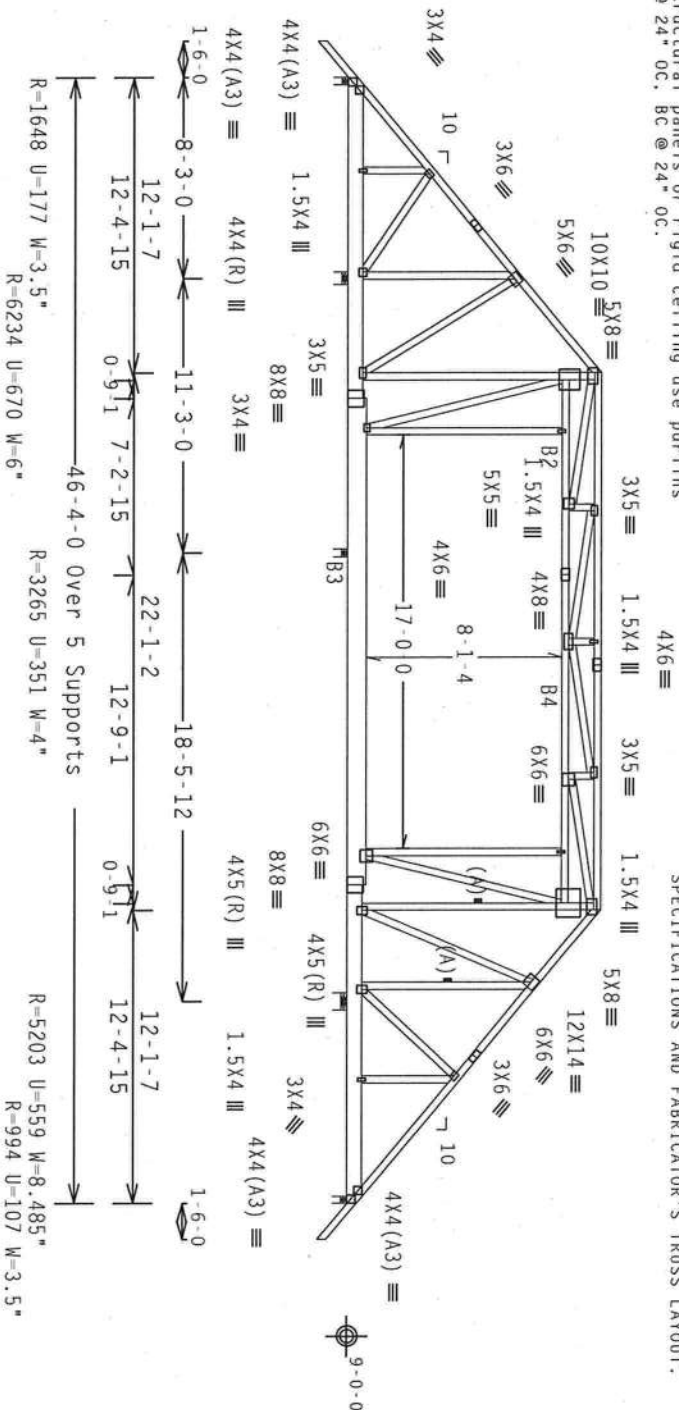
Trusses to be spaced at 48.0" OC maximum.

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

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

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

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FABRICATOR TO REVIEW THIS DWG PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA, INCLUDING DIMENSIONS AND LOADS, CONFORM TO THE ARCHITECTURAL PLANS/SPECIFICATIONS AND FABRICATOR'S TRUSS LAYOUT.



PLT TYP. Wave

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

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

7.36.0424
QTY:1
FL/-/4/-/-/R/-

Scale = .125"/Ft.

WARNING: THIS IS A RIGID FIBER CEMENT BOARD. HANDLING, DRIPPING, AND BRACING MUST BE DONE TO PREVENT DAMAGE TO THE BOARD. FOR MORE INFORMATION, PLEASE REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPT (STEEL PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 OR TRUSS COUNCIL OF AMERICA, 6900 ENTERPRISE LANE, MIDDLETOWN, NJ 07940 FOR SAFETY PRACTICES PERTAINING TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE BOARD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

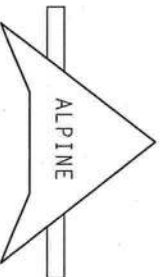
****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI. ITW BCG, IS RESPONSIBLE TO ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TROSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING, & BRACING OF TROSSES.

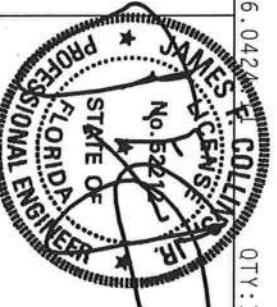
CONNECTION PLATES ARE MADE OF 20/10/1664 (W, H/SS/X) ASTM A653 GRADE 40/60 (W, K/H, SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAUGHTS 1604-2. SEE DESCRIPTION OF ALL ELEMENTS BY ALL CHAIRS AND RAILWAY AS AT THE DESIGN OFFICE.

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

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



Jan 14 08

TC LL	20.0 PSF	REF	R8228- 86378
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014007
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26961
DUR.FAC.	1.25		
SPACING	48.0"	JREF-	1TE28228Z01

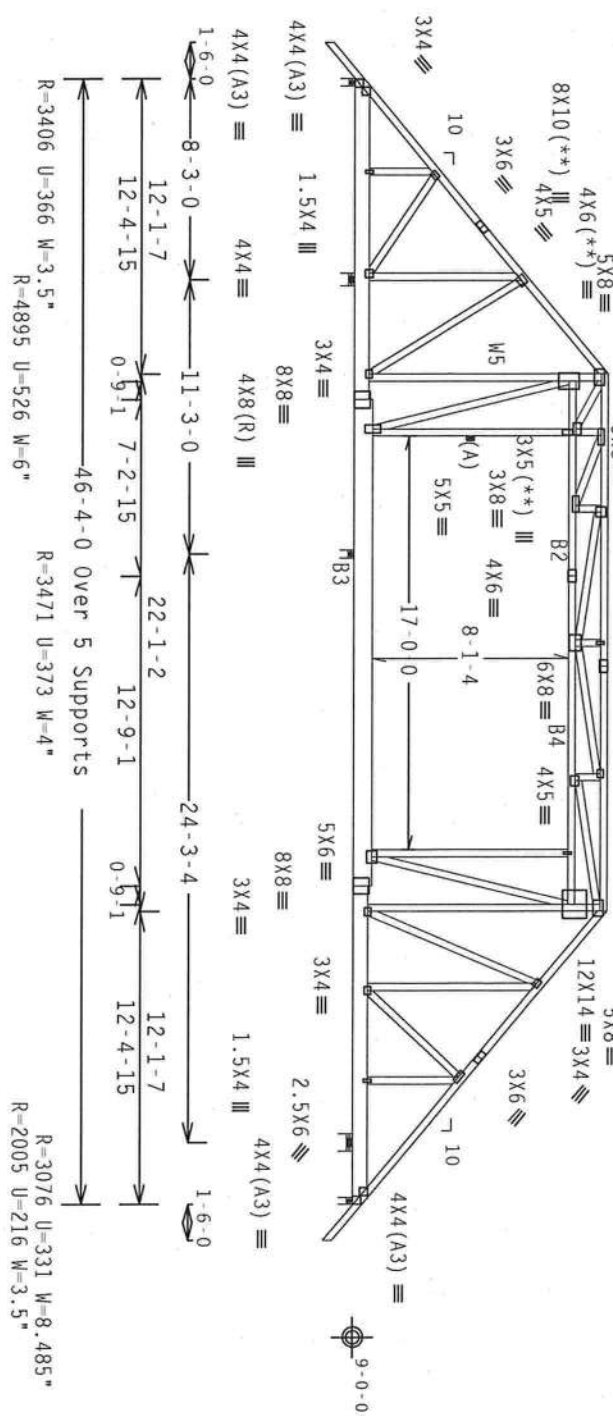
Top chord 2x4 SP #2 Dense : B2, B4 2x4 SP #2 Dense :
Bot chord 2x8 SP #1 Dense :
2x10 SP #1 Dense :
Webs 2x4 SP #3 : W5 2x4 SP #2 Dense :

SPECIAL LOADS

TC - From	132 PLF at -1.25 to 132 PLF at 1.25
TC - From	132 PLF at 1.25 to 132 PLF at 3.68
TC - From	132 PLF at 3.68 to 132 PLF at 6.00
TC - From	132 PLF at 6.00 to 132 PLF at 10.17
TC - From	132 PLF at 10.17 to 132 PLF at 12.12
TC - From	132 PLF at 12.12 to 132 PLF at 24.12
TC - From	132 PLF at 24.12 to 132 PLF at 34.21
TC - From	132 PLF at 34.21 to 132 PLF at 40.34
TC - From	132 PLF at 40.34 to 132 PLF at 47.83
TC - From	132 PLF at 47.83 to 132 PLF at 50.00
PLT - From	40 PLF at 14.67 to 40 PLF at 20.41
PLT - From	40 PLF at 20.41 to 40 PLF at 31.67
PLT - From	40 PLF at 31.67 to 40 PLF at 40.00
BC - From	40 PLF at 0.00 to 40 PLF at 3.68
BC - From	40 PLF at 3.68 to 40 PLF at 31.67
BC - From	40 PLF at 31.67 to 40 PLF at 46.33
BC - From	40 PLF at 46.33 to 40 PLF at 47.83
BC -	324 LB Conc. Load at 14.67, 31.67

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

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FABRICATOR TO REVIEW THIS DWG PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA, INCLUDING DIMENSIONS AND LOADS, CONFORM TO THE ARCHITECTURAL PLANS/ SPECIFICATIONS AND FABRICATOR'S TRUSS LAYOUT.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.0424

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

Scale = .125"/Ft.

ALPINE

NTW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #0 278

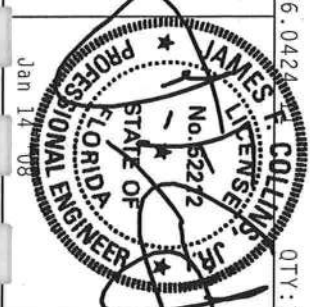
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSTI (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 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 THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES.

DESIGN COMPLIANCE WITH APPLICABLE PROVISIONS OF WDS (QUALITY DESIGN SPEC., BY AEP/A) AND TPI.

CONNECTION PLATES ARE MADE OF 20/10/100A (U.W/S/S) ASH 6653 GRADE 40/60 (U, R/H/S) GALV. STEEL. APPLY TO ALL PLATES AND BOLTS. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2.

ANY INSPECTION OF THIS TRUSS AND BOLTS SHALL BE CONDUCTED BY A QUALIFIED PERSON. THIS PERSON SHALL 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- 86380
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014033
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEON-	26979
DUR.FAC.	1.25		
SPACING	48.0"	JREF-	1TE28228201

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun, 0.128"x3", min.)_nails)
Top Chord: 1 Row @ 7.50" o.c.
Bot Chord: 1 Row @ 9.00" o.c.
Webs: 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

(**) 3 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 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCPI(+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) continuous lateral bracing, equally spaced on member.

Trusses to be spaced at 48.0" OC maximum.

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

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

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

Top chord 2x4 SP #2 Dense: T3 2x6 SP #2:
:T4, 15 2x6 SP #1 Dense:
Bot chord 2x8 SP #1 Dense: B2, B4 2x4 SP #2 Dense:
B3 2x10 SP #1 Dense:
W2, W6, W20, W25 2x4 SP #2 Dense: W5 2x6 SP #1 Dense:
:W7 2x8 SP #1 Dense: W8 2x6 SP #2:
:Rt Wedge 2x6 SP #2:

Calculated horizontal deflection is 0.07" due to live load and 0.19" due to dead load.

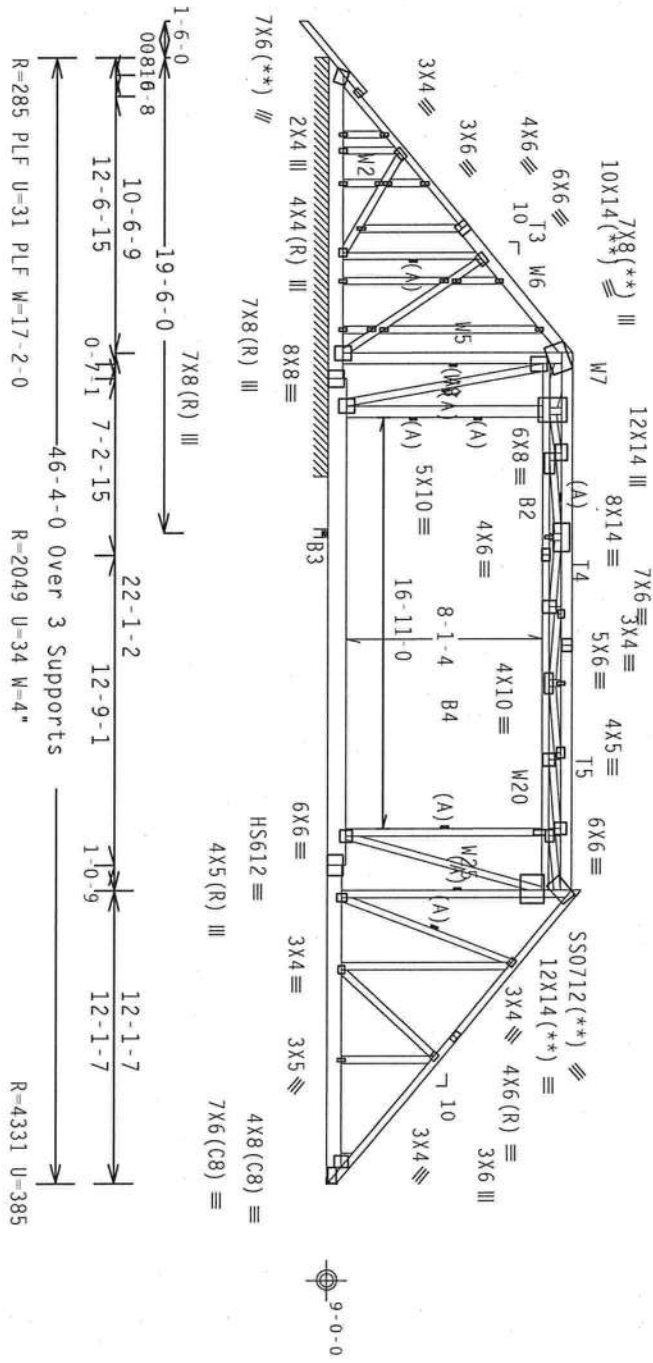
See DWGS A11015EE0207 & 6BLLETIN0207 for more requirements.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf: from 14-8-0 to 31-8-0.

Calculated vertical deflection is 0.35" due to live load and 0.88" due to dead load at X = 25'-8-5".

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. 20 Gauge HS, 18 Gauge HS, Design Crtt: TPI-2002(STD)/FBC
Wave
Cq/RT=1.00(1.25)/10(0) 7.36.0424

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

Scale = .125"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. 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 BUILDING DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE
TWP Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278



TC LL	20.0 PSF	REF	R8228- 86381
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014045
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT. LD.	40.0 PSF	SEON-	27039
DUR. FAC.	1.25		
SPACING	24.0"	UREF-	1TE28228201

Top chord 2x4 SP #2 Dense : 3 2x6 SP #1 Dense :
 T4 2x6 SP #2 :
 Bot chord 2x8 SP #1 Dense : 82, 84 2x4 SP #2 Dense :
 83 2x10 SP #1 Dense :
 Webs 2x4 SP #3
 W5, W6, W8, W20, W25 2x4 SP #2 Dense :

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

(A) Continuous lateral bracing equally spaced on member.

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.

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

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

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

Wind reactions based on MWFRS pressures.

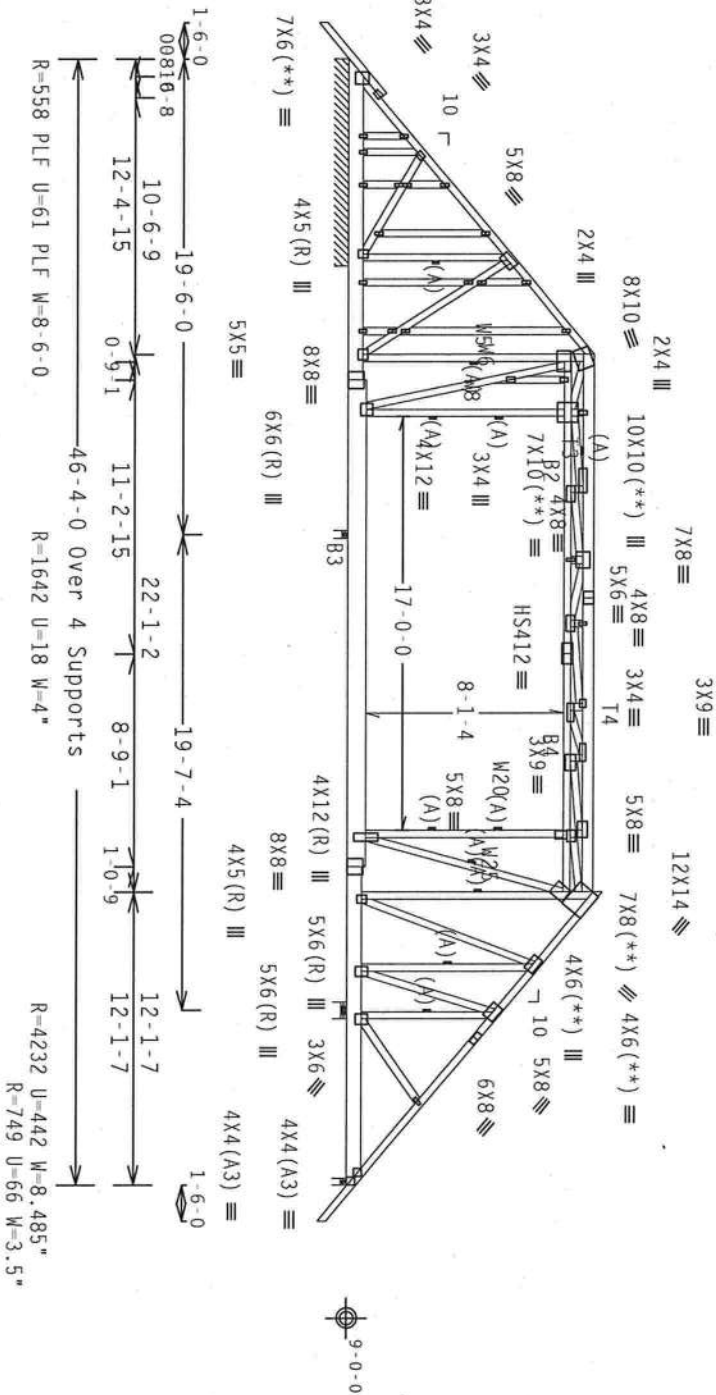
See DWGS A110ISEE0207 & GBLLETTN0207 for more requirements.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 14-8-0 to 31-8-0.

Calculated vertical deflection is 0.29" due to live load and .172" due to dead load at X = 23-2-0.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end and 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. 20 Gauge HS, Wave

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

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

7.36.0424

QTY:1

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

Scale = .125"/Ft.

WARNING: THESE ROUTINE EXISTING CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BROCKING REFER TO GC51 (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI (TRESS PASTE INSTITUTE - 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND TPI (TRUSS COMPANY OF AMERICA, 6300 ENTERPRISE LANE, SUITE 1508, M-52719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITR BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH ITR1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

ITW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization # 0070



TC LL	20.0 PSF	REF	R8228 - 86382
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014046
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT. LD.	40.0 PSF	SEQN -	27068
DUR. FAC.	1.25		
SPACING	24.0"	JREF -	ITE28228201

TC LL	20.0 PSF	REF	R8228 - 86383
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014077
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEON -	26784
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1TE28228201

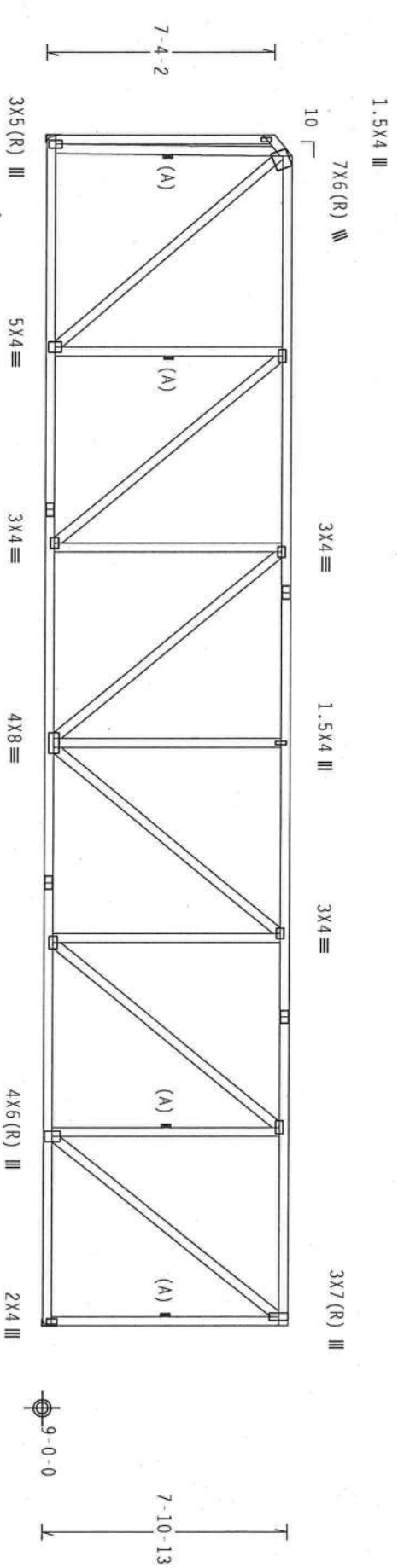
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 16.62 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 gcpl(+/-)=0.18
Wind reactions based on MMFRS pressures.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



0-8'-0
37'-8'-0
38'-4'-0 Over 2 Supports
R=1649 U=175

Note: All Plates Are 3x5 Except As Shown.

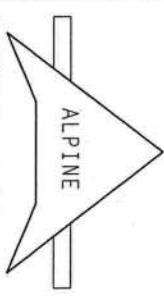
PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO NCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TPI, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 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.

CONNECTIONS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160B-2, 160C-2, 160D-2, 160E-2, 160F-2, 160G-2, 160H-2, 160I-2, 160J-2, 160K-2, 160L-2, 160M-2, 160N-2, 160O-2, 160P-2, 160Q-2, 160R-2, 160S-2, 160T-2, 160U-2, 160V-2, 160W-2, 160X-2, 160Y-2, 160Z-2. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS CONNECTION 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 Approval #00000000



FL/-4/-/-/R/-		Scale = .1875"/Ft.	
TC LL	20.0 PSF	REF	R8228- 86384
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014052
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26796
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	ITE28228201

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

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



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

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

7.36.0424.11

QTY:1

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

Scale = .1875"/Ft.

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

BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IT1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/PAP) AND TP1, 1TH ECG CONNECTOR PLATES ARE MADE OF 20/18/16GA (N.H/55/K) ASTM A653 GRADE 40/60 (N, 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. 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 DESIGNER.

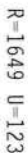
BUILDING DESIGNER PER ANSI/FP1 1 SEC. 2.

FL/-4/-/K/-		Scale = .1875"/ft.
TC LL	20.0 PSF	REF R8228- 86385
TC DL	10.0 PSF	DATE 01/14/08
BC DL	10.0 PSF	DRW HCUSR8228 0801405
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEON- 26803
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TE28228201

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 B, 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.



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

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

7.36.0424

QTY:1

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

Scale = .1875"/Ft.

A. PROPERLY ATTACHED RIGID CEILING.

TP1: 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

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND ARCHITECT. SEE 2.

BUILDING DESIGNER PER ANSI/HP 1 SEC. 2

Professional Engineer Seal for James F. Collins, State of Florida, License No. 12212, Mechanical Engineering.

FL/-4/-/-/R/-		Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R8228- 86386
TC DL	10.0 PSF	DATE 01/14/08
BC DL	10.0 PSF	DRW HCSRB8228 0801405
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 26808
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TE28228201

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

Wind reactions based on MMFRS pressures.

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



Scale = .1875"/Ft.

REF	R8228 - 86387
DATE	01/14/08

DKW HCUSR8228 08014055

HC-ENG JB/AP

SEON - 26815

[illegible]

10FF 1TF20020701

T07877873IT REF -

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

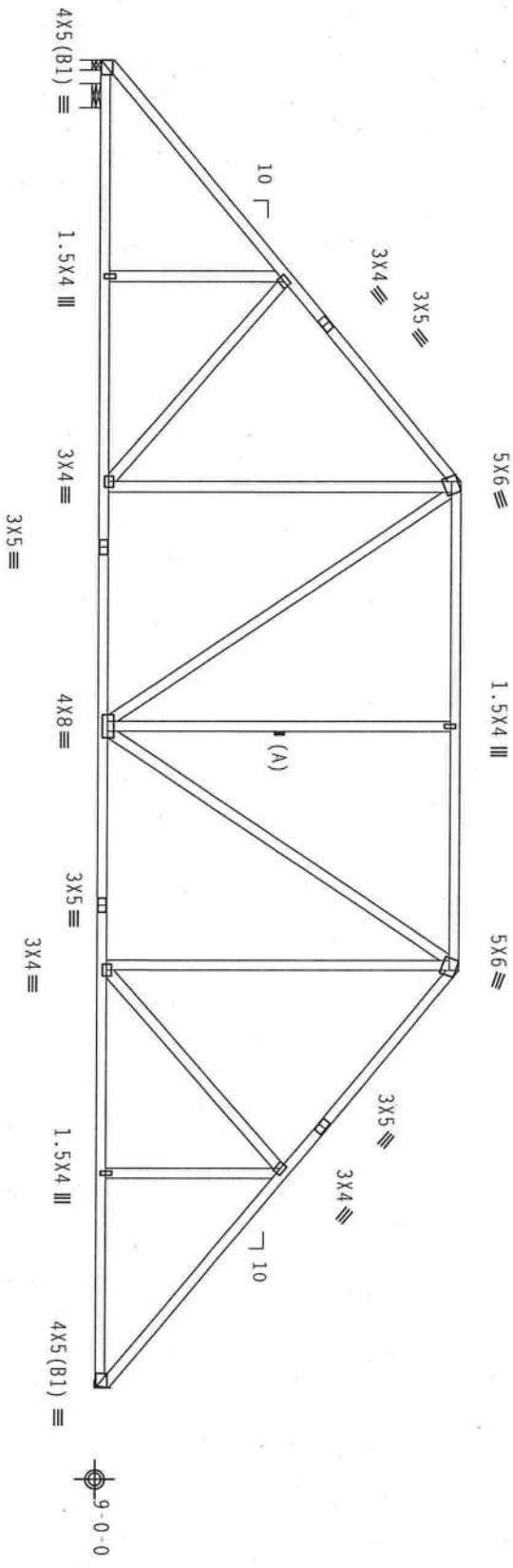
(A) Continuous lateral bracing equally spaced on member.

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

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



1-0-4
12-1-7
14-1-2
12-1-7
38-4-0 Over 3 Supports
R=1547 U=96 W=3.5"
R=105 U=30 W=8.485"
R=1646 U=125

PLT TYP. Wave

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

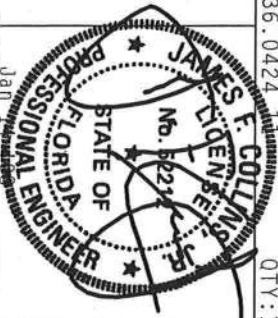
QTY:1 FL/-/4/-/-/R/-

Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSI BUILDING COMPONENT SAFETY INFORMATION, PRODUCT SPECIFICATIONS, AND DRAWINGS FOR ALL TRUSS COMPONENTS. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA LINDO TRUSS COMPANY OF AMERICA, 1000 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 AIA 603 GRADE 40/60 (A, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

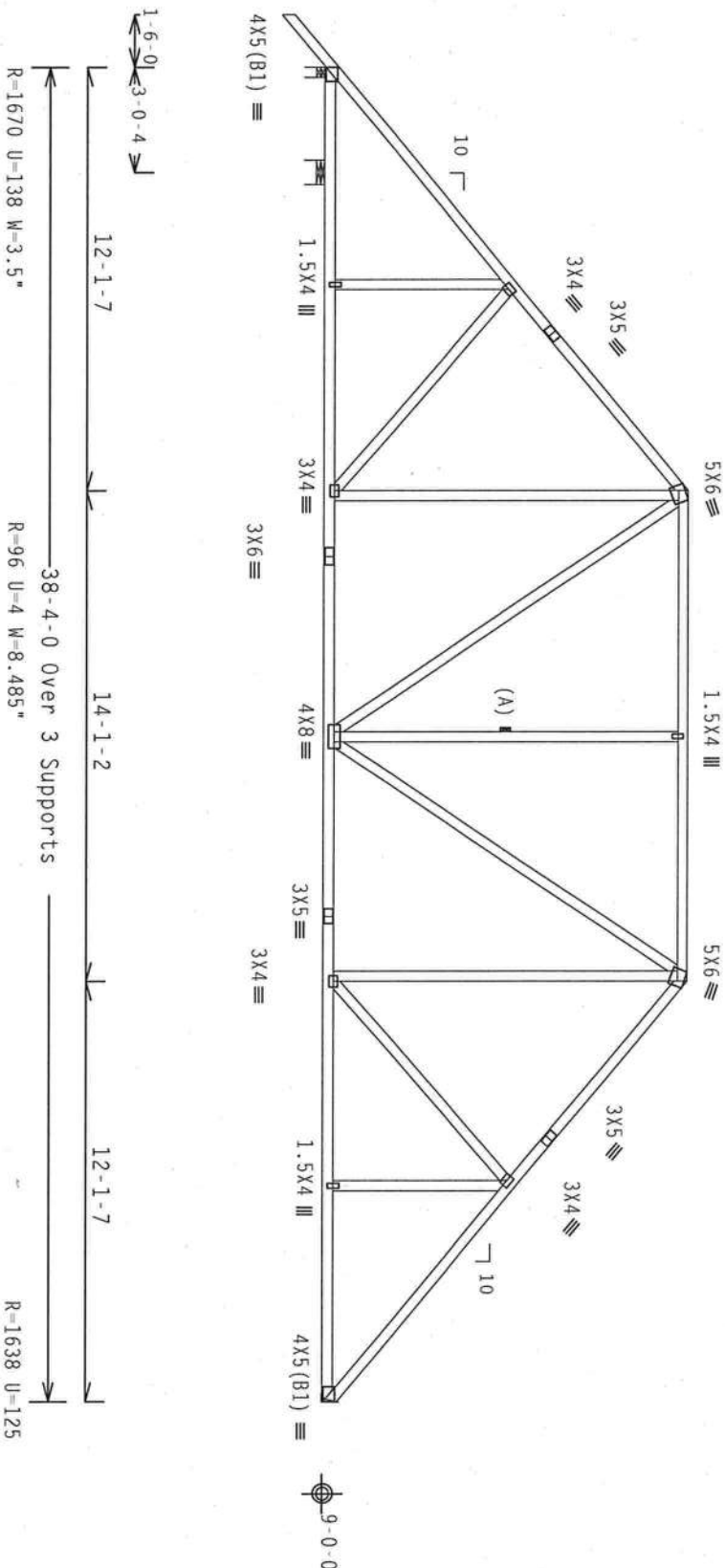
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Approval #000000



FL/-4/-/-/R/-		Scale=.1875"/Ft.	
TC LL	20.0 PSF	REF	R8228 - 86388
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014056
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26837
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228Z01

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

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



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

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

QTY:1

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

Scale = .1875"/Ft.

WARNING: THESE RIGIDITY REQUIREMENTS CAUSE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRIVING REFER TO RCSI (RIGIDITY COMPONENT SAFETY INFORMATION) PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND IRCA (IRON ROD 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 PROPERLY ATTACHED RIGID CEILING.

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

BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TP1. ITM BEG
CONNECTOR PLATES ARE MADE OF 20/18/16GA (U, H, SS/K) ASTM A563 GRADE 40/60 (U, K/H, SS) GALV. STEEL, APPLY

PLATES TO EACH OF THE JOINTS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, SECTION PER DRAWINGS 160A THROUGH 160D.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) SECTION VIII, DIVISION 1, 2007 EDITION, PART UG-90, OR (2) SHALL BE PER API 650, 11TH EDITION, SECTION 8.4.2.1.

A SEAL ON THIS

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.

2000 2001 2002 2003 2004 2005 2006

Study Publication

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



TC LL	20.0 PSF	REF	R8228- 86389
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014057
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26843
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228Z01

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

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

Wind reactions based on MWFRS pressures.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 142 PLF at -1.50 to 142 PLF at 0.00
TC - From 132 PLF at 0.00 to 132 PLF at 38.33
BC - From 40 PLF at 0.00 to 40 PLF at 38.33

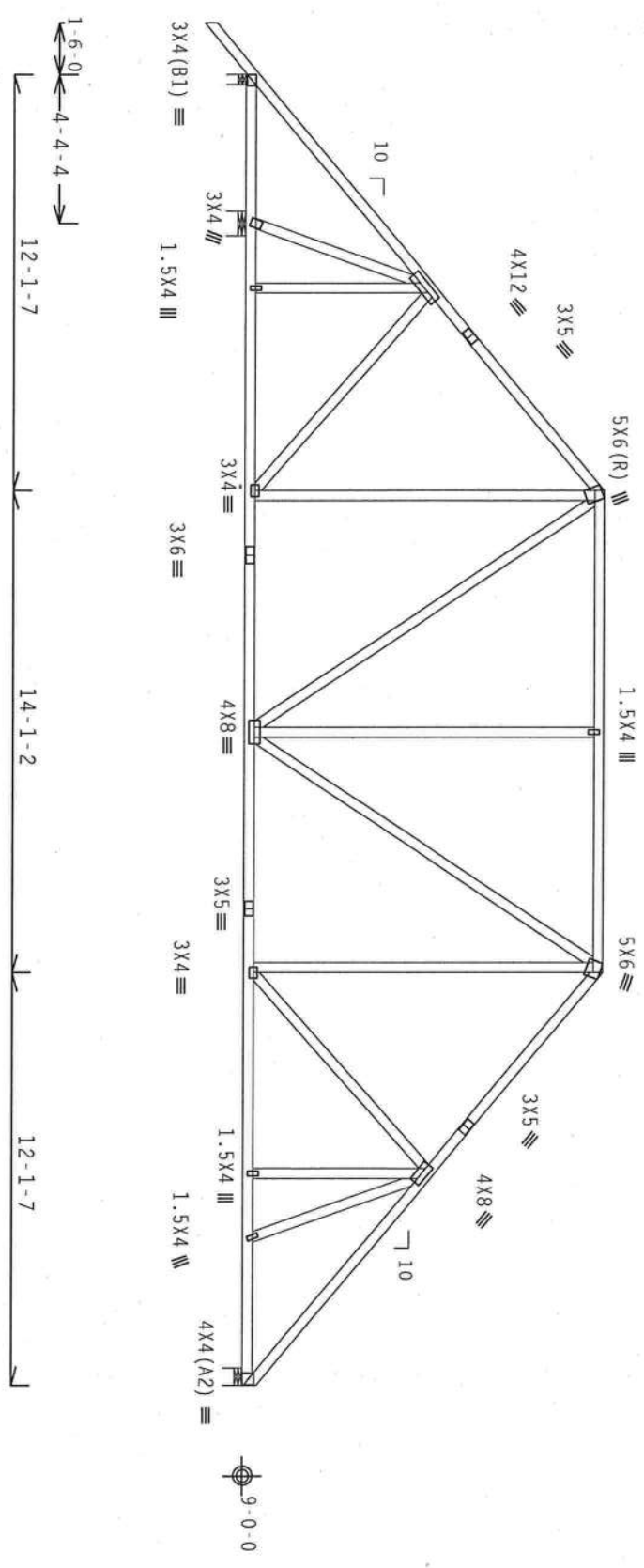
2 COMPLETE TRUSSES REQUIRED

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 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.

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



R-576 U=83 W=3.5" R-3307 U=227 W=8.485" R-2927 U=225 W=6"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

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

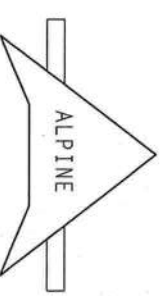
Scale = .1875"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (CONSTRUCTION COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

CONNECTOR PLATES ARE MADE OF 20/18/16GA (H/SS/PS) ASTM A653 GRADE 40/60 (H. K/H/SS) GALV. STEEL. APPLY GALV. SPRAY TO ALL EXPOSED SURFACES. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0-370



1 FL/-/4/-/-/R/-		Scale = .1875"/Ft.	
TC LL	20.0 PSF	REF	R8228- 86390
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014058
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26881
DUR.FAC.	1.25		
SPACING	48.0"	JREF-	1TE28228Z01

2 COMPLETE TRUSSES REQUIRED

Top Chord:	1 Row	@12.00 =	0.00
Bot Chord:	1 Row <td>@0.00 = <td>0.00</td> </td>	@0.00 = <td>0.00</td>	0.00

00C.

sf: from

increase

Scale = .125"/Ft.



REF	R8228 - 86391
DATE	01/14/08

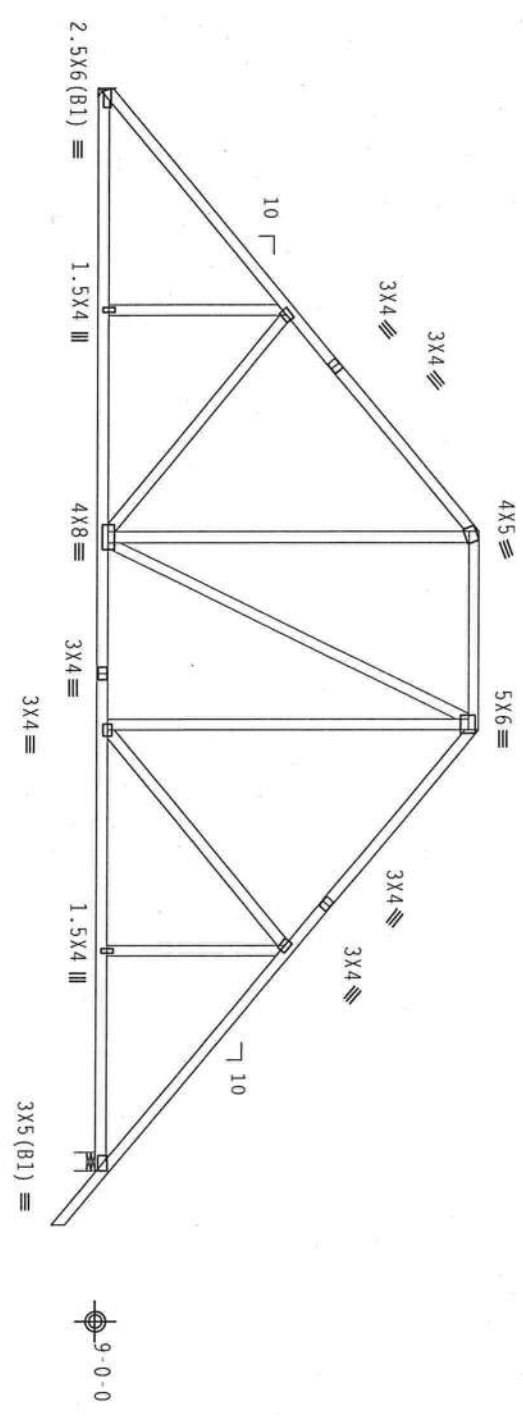
BE RESPONSIBLE FOR ANY DEVIATION FROM THE
TPI; OR FABRICATING, HANDLING, SHIPPING

DUR.FAC.	1.25	
SPACING	48.0"	JREF- 1TE28228Z01

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

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

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



12-1-7 5-5-2 12-1-7 1'-6-0"
29-8-0 Over 2 Supports
R=1272 U=87
R=1387 U=105 W=6"

PLT TYP. Wave

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

QTY:1

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

Scale = .1875"/ft.

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSI (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6200 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WCA (WOOD PRES. 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. 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 THUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ITW BCG PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160B-2, 160C-2, 160D-2, 160E-2, 160F-2, 160G-2, 160H-2, 160I-2, 160J-2, 160K-2, 160L-2, 160M-2, 160N-2, 160O-2, 160P-2, 160Q-2, 160R-2, 160S-2, 160T-2, 160U-2, 160V-2, 160W-2, 160X-2, 160Y-2, 160Z-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL DESIGNER'S 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.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 000000



TC LL	20.0 PSF	REF	R8228- 86392
TC DL	10.0 PSF	DATE	01/11/08
BC DL	10.0 PSF	DRW	HCUSR8228 08011077
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT. LD.	40.0 PSF	SEQN-	26701
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228201

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Stack Chord SC1 2x4 SP #2 Dense:
Stack Chord SC2 2x4 SP #2 Dense:

Truss spaced at 24.0" OC designed to support 2-0-0 top chord
outlookers. Cladding load shall not exceed 10.00 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.

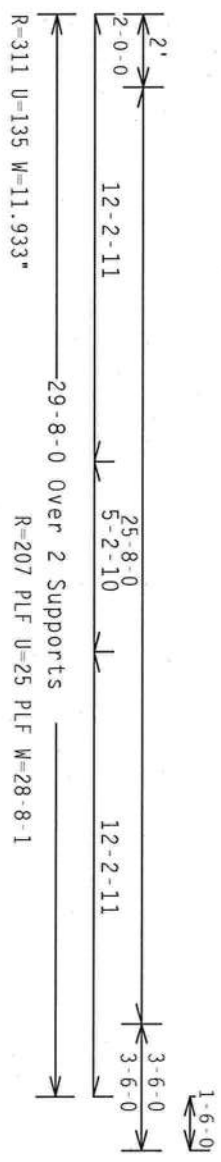
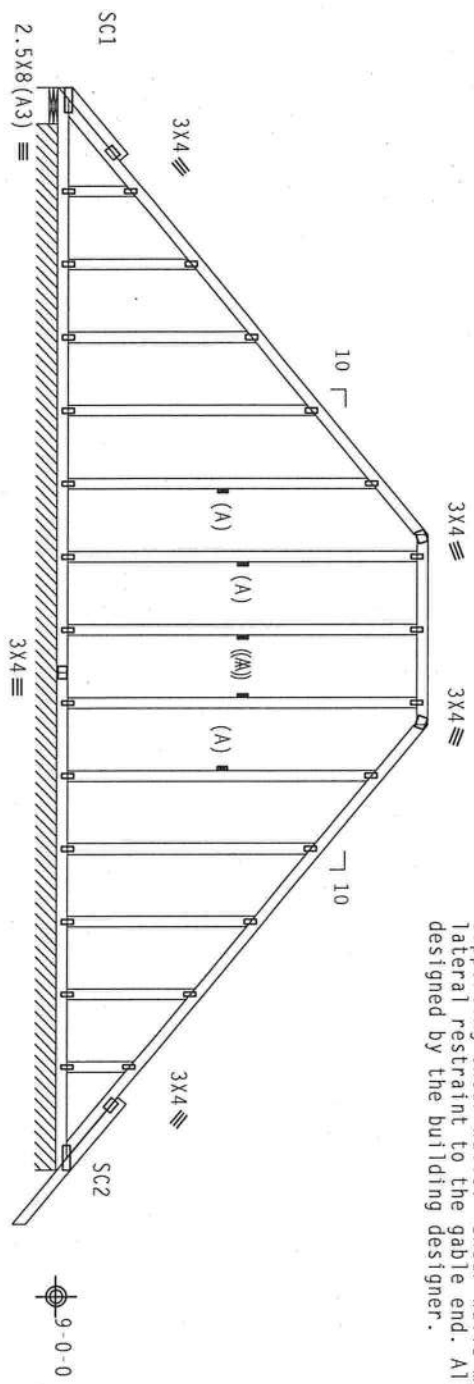
Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.

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

See DWGS A11015EF0207 & GBLLETIN0207 for more requirements.

Stacked top chord must NOT be notched or cut in area (NML).
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.

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)

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

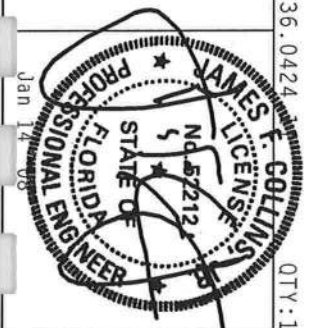
Scale = .1875"/ft.

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.) 1300 ENTERTAINMENT LANE, MODISON, WI 53129 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 & BRACING OF THUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.) 1300 ENTERTAINMENT LANE, MODISON, WI 53129 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.

PLATES TO EACH FACE OF THUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2, 1604-3, 1604-4, 1604-5, 1604-6, 1604-7, 1604-8, 1604-9, 1604-10, 1604-11, 1604-12, 1604-13, 1604-14, 1604-15, 1604-16, 1604-17, 1604-18, 1604-19, 1604-20, 1604-21, 1604-22, 1604-23, 1604-24, 1604-25, 1604-26, 1604-27, 1604-28, 1604-29, 1604-30, 1604-31, 1604-32, 1604-33, 1604-34, 1604-35, 1604-36, 1604-37, 1604-38, 1604-39, 1604-40, 1604-41, 1604-42, 1604-43, 1604-44, 1604-45, 1604-46, 1604-47, 1604-48, 1604-49, 1604-50, 1604-51, 1604-52, 1604-53, 1604-54, 1604-55, 1604-56, 1604-57, 1604-58, 1604-59, 1604-60, 1604-61, 1604-62, 1604-63, 1604-64, 1604-65, 1604-66, 1604-67, 1604-68, 1604-69, 1604-70, 1604-71, 1604-72, 1604-73, 1604-74, 1604-75, 1604-76, 1604-77, 1604-78, 1604-79, 1604-80, 1604-81, 1604-82, 1604-83, 1604-84, 1604-85, 1604-86, 1604-87, 1604-88, 1604-89, 1604-90, 1604-91, 1604-92, 1604-93, 1604-94, 1604-95, 1604-96, 1604-97, 1604-98, 1604-99, 1604-100. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN SHOWN. BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Professional Engineer #00000000



TC LL	20.0 PSF	REF R8228- 86393
TC DL	10.0 PSF	DATE 01/14/08
BC DL	10.0 PSF	DRW HCUR8228 08014075
BC LL	0.0 PSF	HC-ENG JB/AP
TOT. LD.	40.0 PSF	SEON- 26710
DUR. FAC.	1.25	
SPACING	24.0"	
UREF-	1TE28228201	

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

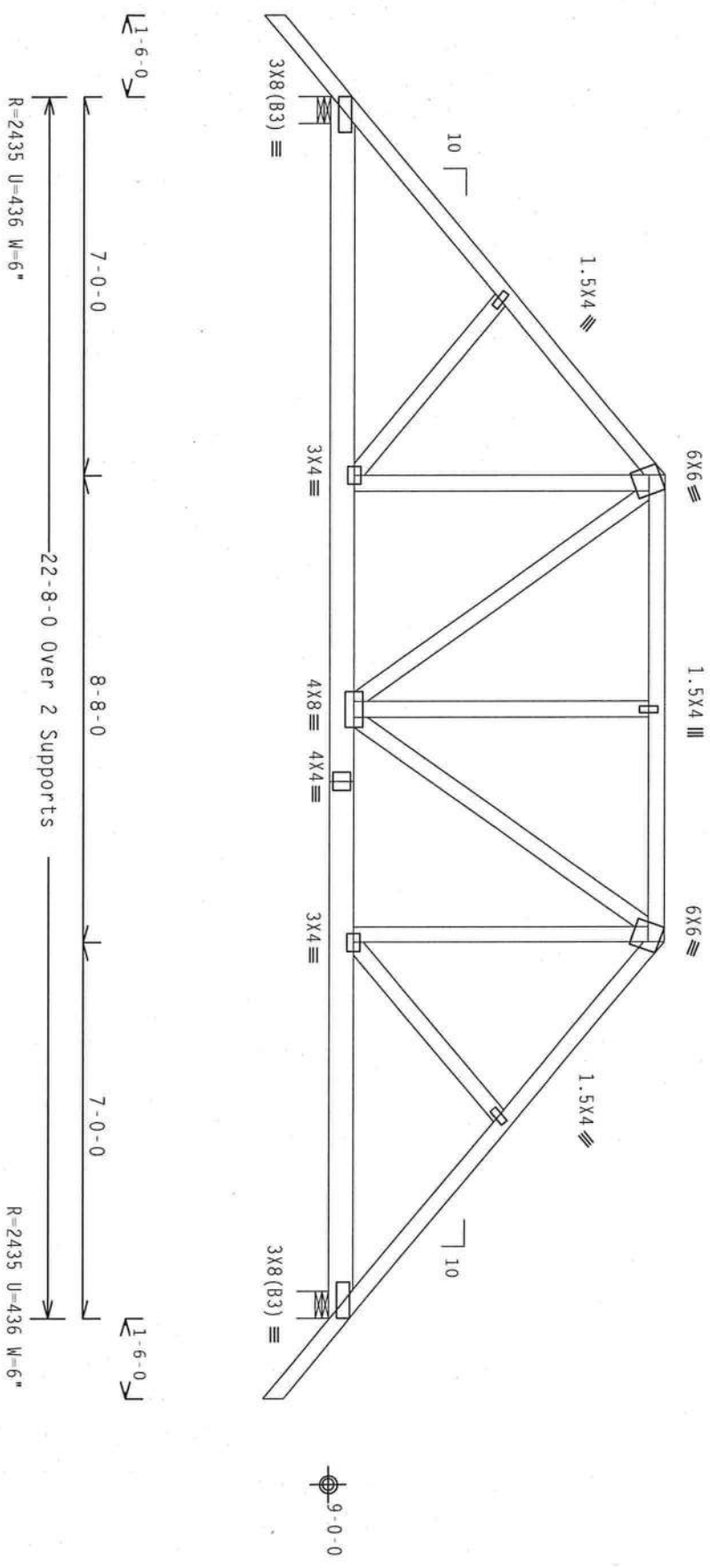
110 mph wind, 15.00 ft. mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCPI(+/-)=0.18

Wind reactions based on MMFRS pressures.

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

#1 hip supports 7-0-0 jacks with no webs.

SPECIAL LOADS		
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)		
TC - From	66 PLF at -1.50 to 7.00	66 PLF at 7.00
TC - From	66 PLF at 7.00 to 15.67	66 PLF at 15.67
TC - From	66 PLF at 15.67 to 24.17	66 PLF at 24.17
BC - From	5 PLF at -1.50 to 0.00	5 PLF at 0.00
BC - From	20 PLF at 0.00 to 22.67	20 PLF at 22.67
BC - From	5 PLF at 22.67 to 24.17	5 PLF at 24.17
TC - 199 LB Conc. Load at	7.06, 9.06, 11.06, 11.60, 13.60	
15.60		
BC - 592 LB Conc. Load at	7.00, 15.67	
BC - 82 LB Conc. Load at	9.06, 11.06, 11.60, 13.60	
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/-/R/-

Scale = .3125"/Ft.

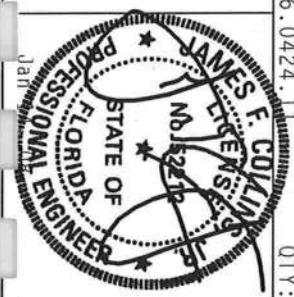
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. PRIOR TO ERECTING OR POSITIONING COMPONENTS, THE TRUSS SHALL BE PROTECTED BY A PROTECTIVE COVER. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND WICA GROUP TRUSS COMPANY, INC., 6300 ENTERPRISE LANE, MADISON, MI 48071, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR GROUND 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. ITR BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002(STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF 2010 INTERNATIONAL DESIGN SPEC. BY AREA) AND TPI. ITR BCG PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1004-2.

ALL TRUSS COMPONENTS SHALL BE PROTECTED BY A PROTECTIVE COVER. A SEAL ON THIS DRAWING INDICATE 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 #0370



FL/-4/-/-/R/-		Scale= .3125"/ft.	
TC LL	20.0 PSF	REF	R8228- 86394
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014076
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26747
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	ITE28228Z01

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

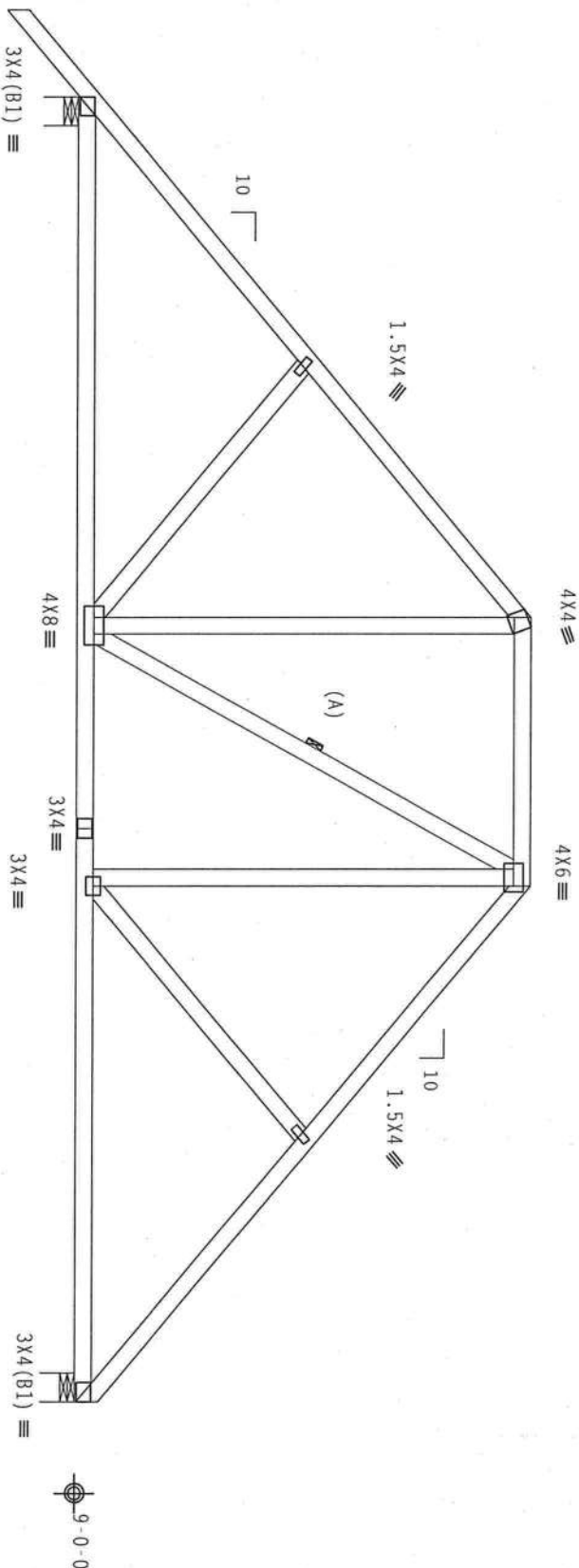
(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ 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.



1'-6-0
9'-0-0
4'-8-0
9'-0-0
22'-8-0 Over 2 Supports
R=1086 U=85 W=6"
R=971 U=66 W=6"

PLT TYP. Wave

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

7.36.0424

QTY:1

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

Scale = .3125"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND NCSA (NATIONAL COUNCIL OF STEEL AND ALUMINUM 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.

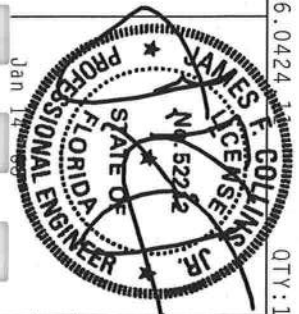
****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AISC (ADDITIONAL DESIGN SPEC. BY AREA) AND TPI. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND NCSA (NATIONAL COUNCIL OF STEEL AND ALUMINUM 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.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AS OF TPI-2002 SECTION 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 #0-770



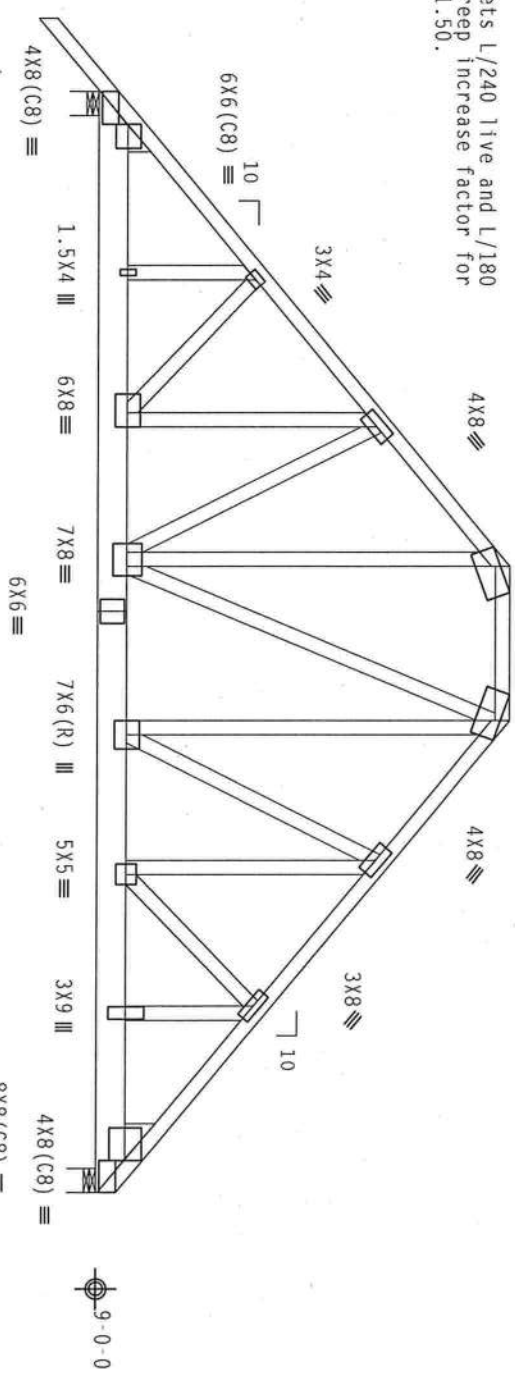
FL	SPACING	DUR. FAC.	REF
24.0"	1.25	20.0 PSF	R8228- 86395
24.0"	1.25	10.0 PSF	DATE 01/11/08
24.0"	1.25	10.0 PSF	DRW HCUR8228 08011078
24.0"	1.25	0.0 PSF	HC-ENG JB/AP
24.0"	1.25	40.0 PSF	SEON- 26752

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3
Lt Wedge 2x6 SP #2::Rt Wedge 2x8 SP #1 Dense:

SPECIAL LOADS

TC - From	DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25	66 PLF at -1.50 to 9.75
TC - From	66 PLF at 9.75 to 12.92	66 PLF at 12.92 to 22.67
TC - From	66 PLF at 12.92 to 22.67	5 PLF at -1.50 to 20 PLF at 22.67
BC - From	20 PLF at 0.00 to 7.12	13.06, 15.06, 17.06
BC - 4481 LB Conc.	Load at 9.06	
BC - 1644 LB Conc.	Load at 11.06	
BC - 1646 LB Conc.	Load at 19.06	
BC - 1638 LB Conc.	Load at 21.06	

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: 2 Rows @4.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

Wind reactions based on MMFRS pressures.

In lieu of structural panels use purlins to brace all flat TC @ 24" o.c.

PLT TYP. Wave

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

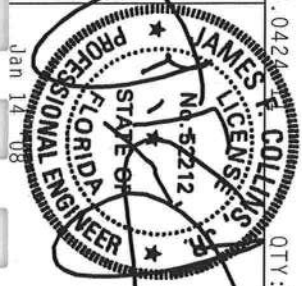
QTY: 1 FL/-/4/-/R/-

Scale = .25"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSI (CONSULTING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE AMERICAN TRUSS COUNCIL, 6100 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 RCG, 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 A/RNA AND TPI. ITW RCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF RGS (QUALITY DESIGN SPEC. BY A/RNA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (C/H/SS/RS) ASTM A653 GRADE 40/60 (C/H/SS) GALV. STEEL. APPLY A MINIMUM OF 20/18/16GA (C/H/SS/RS) GALV. STEEL. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE SEAL ON THIS BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #0-070



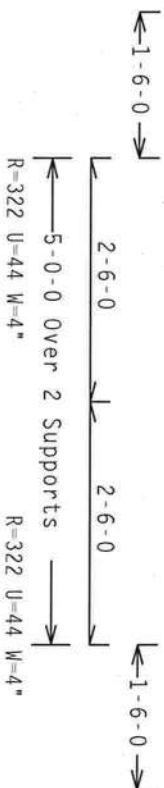
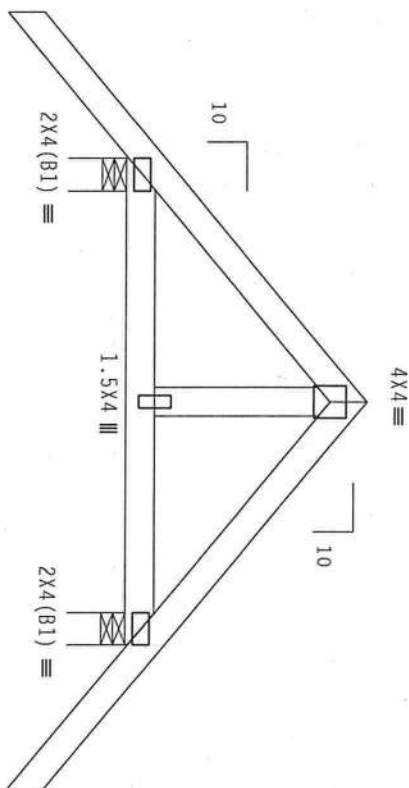
TC LL	20.0 PSF	REF R8228- 86396
TC DL	10.0 PSF	DATE 01/14/08
BC DL	10.0 PSF	DRW HCUSR8228 08014087
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEON- 26867
DUR.FAC.	1.25	
SPACING	24.0"	
UREF-	1TE28228Z01	

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, 18.69 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 GCPI(+/-)=0.18

Wind reactions based on MWFRS pressures.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.0424.1

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

Scale = .5"/Ft.

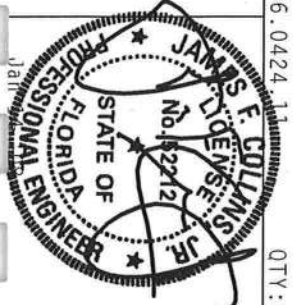
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESS' BUILDING COMPONENTS SAFETY MANUAL FOR THE PROPER TRUSS CONSTRUCTION. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WICA (GOOD TRUSS COUNCIL OF AMERICA, ENTERPRISE LANE, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SS/TS) ASTM A653 GRADE 40/60 (W, E/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.

DESIGNER'S PLANS SHALL BE FOLLOWED BY ALL SHALL BE PER AMER AS OF TPI-2002 SEC.3.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0-770



TC LL	20.0 PSF	REF	R8228- 86397
TC DL	10.0 PSF	DATE	01/11/08
BC DL	10.0 PSF	DRW	HCUSR8228 08011079
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SECN-	27074
DUR.FAC.	1.25		
SPACING	24.0"		
		URFF-	1TE28228201

(8-009--F111 in later MADE WILLIS - ** - DORG)

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

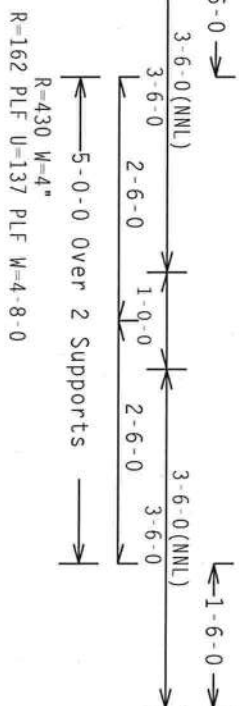
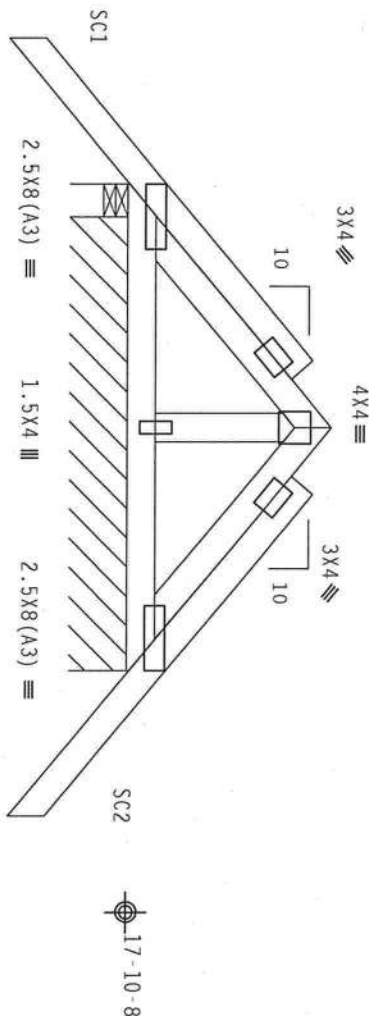
:Stack Chord SC1 2x4 SP #2 Dense:
:Stack Chord SC2 2x4 SP #2 Dense:

Truss spaced at 24.0" OC designed to support 2-0-0 top chord
outlookers. Cladding load shall not exceed 10.00 PSF. Top chord
must not be cut or notched.

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

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

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.



PLT TYP. Wave

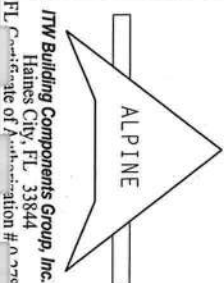
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

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

Scale =.5"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&I (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICKIWOOD 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. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PAI AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/160A (W/H/SS/R) ASH/6053 GRADE 40/60 (4. K/1.55) GALV. STEEL. APPLY ANY INSPECTION OF PLATE TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN, CONSTRUCTION, BUILDING DESIGNER PER AHS/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #0-270



TC LL	20.0 PSF	REF R8228- 86398
TC DL	10.0 PSF	DATE 01/14/08
BC DL	10.0 PSF	DRW HCUR8228 08014078
BC LL	0.0 PSF	HC-ENG JB/AP
TOT. LD.	40.0 PSF	SEON- 27078
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1TE28228201

110 mph wind, 19.07 ft mean hgt, ASCE 7-02, CLOSED bldg, located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf. Iw=1.00 GCPI(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWGS A11030EE0207 & GBLLETIN0207 for more requirements.

Stacked top chord must NOT be notched or cut in area (N.N.L.).
Dropped top chord braced at 24" o.c. intervals. Attach stacked
top chord (SC) to dropped top chord in notched 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 notched area using 3x6.

(8-009--F111 in later MADE WILLIS --, ** - HZE)

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

Wind reactions based on MFRS pressures.

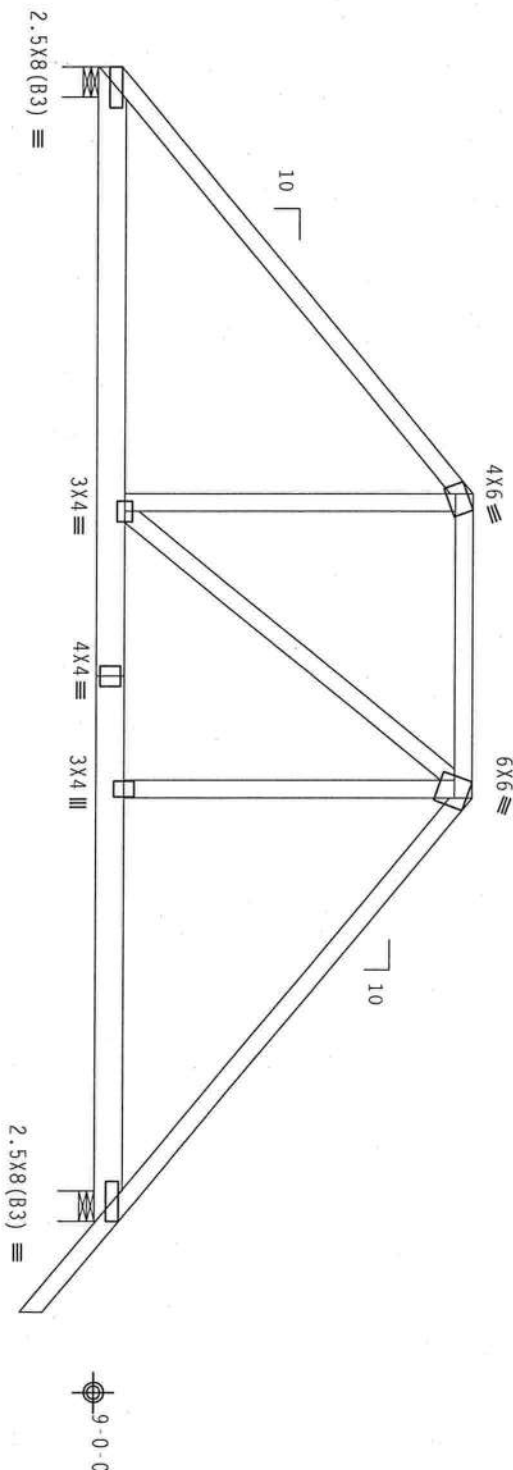
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 7.00
TC - From 66 PLF at 7.00 to 66 PLF at 12.00
TC - From 66 PLF at 12.00 to 66 PLF at 20.50
BC - From 20 PLF at 0.00 to 20 PLF at 19.00
BC - From 5 PLF at 19.00 to 5 PLF at 20.50
TC - 199 LB Conc. Load at 7.06, 9.06, 9.94, 11.94
BC - 592 LB Conc. Load at 7.00, 12.00
BC - 82 LB Conc. Load at 9.06, 9.94

#1 hip supports 7-0-0 jacks with no webs.

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



7-0-0 5-0-0 7-0-0
19-0-0 Over 2 Supports
R=1884 U=318 W=6"
R=2001 U=349 W=6"

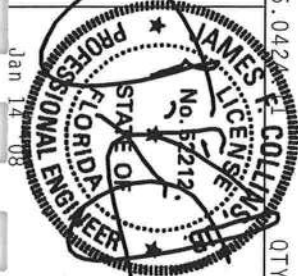
PLT TYP. Wave

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL ASSOCIATION OF BUILDING OFFICIALS, 6100 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 TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (U/H/SS/AL) ASH/ALSS GRAD 40/50 (U, V/H, SS) GALV. STEEL. THE BCG SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. ANY INSPECTION OF PLATE TRUSSES AND, BY THE BCG, INC. SHALL BE RESPONSIBLE 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/-/-/R/-

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF R8228- 86399
TC DL	10.0 PSF	DATE 01/14/08
BC DL	10.0 PSF	DRW HCUR8228 08014079
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEON- 26742
DUR.FAC.	1.25	
SPACING	24.0"	
UREF-	1TE28228Z01	

2 COMPLETE TRUSSES REQUIRED

Roofing Schedule: (10d Box-Of-Gun-(0.128"x3"-min.)-nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.50" o.c. (Each Row)
Webs: 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

Wind reactions based on MWFRS pressures.

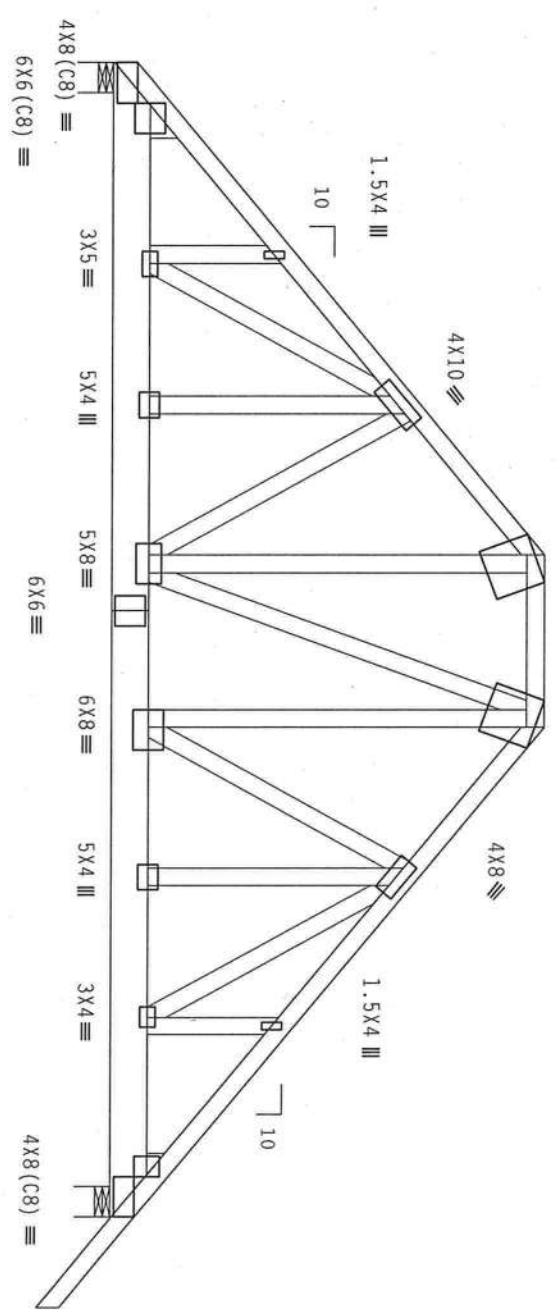
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3
Lt Wedge 2x6 SP #2: Rt Wedge 2x4 SP #3:

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 10.08
TC - From 66 PLF at 8.08 to 66 PLF at 10.32
TC - From 66 PLF at 10.32 to 66 PLF at 20.30
BC - From 20 PLF at 0.00 to 20 PLF at 19.00
BC - From 5 PLF at 19.00 to 5 PLF at 20.50
BC - From 1649 LB Conc. Load at 1.94, 3.94, 5.94, 9.94
BC - 1654 LB Conc. Load at 7.94
BC - 4481 LB Conc. Load at 11.88

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



8-1-0 2-10-0 8-1-0 1-6-0
19-0-0 Over 2 Supports
R=8180 U=875 W=6"
R=6293 U=908 W=6"

PLT TYP. Wave

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

7.36.0424.11

QTY:1

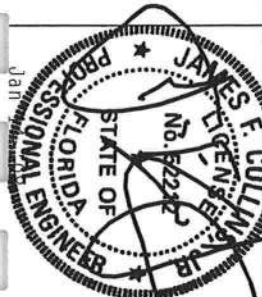
FL/-/4/-/-/R/-

Scale = .3125"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (CONSULTING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK GROUND 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. TITW 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.

CONNECTIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. TITW BCS CONNECTOR PLATES ARE MADE OF 20/18/16GA (20H/18V) ASTM A653 GRADE 40/40 (K/1.55) GALV. STEEL. APPLY ALL RECOMMENDATIONS OF TITW BCS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ALL TRUSSES SHALL BE INSPECTED AND ACCEPTED BY THE DESIGNER PRIOR TO CONSTRUCTION. A SEAL ON THIS DRAWING INDICATES THE 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.



TC LL	20.0 PSF	REF	R8228 - 86400
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014080
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26856
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228201

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #0-370

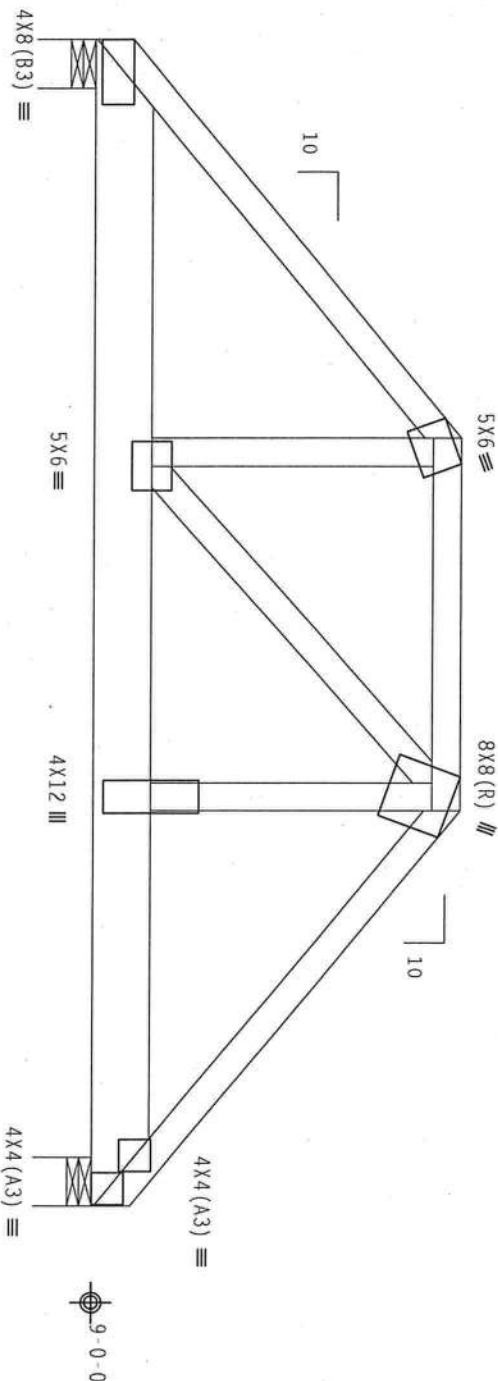
Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at -0.00 to 66 PLF at 4.08
TC - From 66 PLF at 4.08 to 66 PLF at 7.92
TC - From 66 PLF at 7.92 to 66 PLF at 12.00
BC - From 20 PLF at 0.00 to 20 PLF at 12.00
BC - 1272 LB Conc. Load at 2.06, 4.06, 6.06
BC - 4431 LB Conc. Load at 8.06
BC - 2370 LB Conc. Load at 10.06

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



4-1-0 3-10-0 4-1-0
12-0-0 Over 2 Supports
R=4853 U=522 W=6"
R=6796 U=731 W=6"

PLT TYP. Wave

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

QTY: 1

Scale = 5"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT SAFETY INFORMATION, PUBLISHED BY THE MANUFACTURER, FOR THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 360-10, 360-11, 360-12, 360-13, 360-14, 360-15, 360-16, 360-17, 360-18, 360-19, 360-20, 360-21, 360-22, 360-23, 360-24, 360-25, 360-26, 360-27, 360-28, 360-29, 360-30, 360-31, 360-32, 360-33, 360-34, 360-35, 360-36, 360-37, 360-38, 360-39, 360-40, 360-41, 360-42, 360-43, 360-44, 360-45, 360-46, 360-47, 360-48, 360-49, 360-50, 360-51, 360-52, 360-53, 360-54, 360-55, 360-56, 360-57, 360-58, 360-59, 360-60, 360-61, 360-62, 360-63, 360-64, 360-65, 360-66, 360-67, 360-68, 360-69, 360-70, 360-71, 360-72, 360-73, 360-74, 360-75, 360-76, 360-77, 360-78, 360-79, 360-80, 360-81, 360-82, 360-83, 360-84, 360-85, 360-86, 360-87, 360-88, 360-89, 360-90, 360-91, 360-92, 360-93, 360-94, 360-95, 360-96, 360-97, 360-98, 360-99, 360-100, 360-101, 360-102, 360-103, 360-104, 360-105, 360-106, 360-107, 360-108, 360-109, 360-110, 360-111, 360-112, 360-113, 360-114, 360-115, 360-116, 360-117, 360-118, 360-119, 360-120, 360-121, 360-122, 360-123, 360-124, 360-125, 360-126, 360-127, 360-128, 360-129, 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360-796, 360-797, 360-798, 360-799, 360-800, 360-801, 360-802, 360-803, 360-804, 360-805, 360-806, 360-807, 360-808, 360-809, 360-810, 360-811, 360-812, 360-813, 360-814, 360-815, 360-816, 360-817, 360-818, 360-819, 360-820, 360-821, 360-822, 360-823, 360-824, 360-825, 360-826, 360-827, 360-828, 360-829, 360-830, 360-831, 360-832, 360-833, 360-834, 360-835, 360-836, 360-837, 360-838, 360-839, 360-840, 360-841, 360-842, 360-843, 360-844, 360-845, 360-846, 360-847, 360-848, 360-849, 360-850, 360-851, 360-852, 360-853, 360-854, 360-855, 360-856, 360-857, 360-858, 360-859, 360-860, 360-861, 360-862, 360-863, 360-864, 360-865, 360-866, 360-867, 360-868, 360-869, 360-870, 360-871, 360-872, 360-873, 360-874, 360-875, 360-876, 360-877, 360-878, 360-879, 360-880, 360-881, 360-882, 360-883, 360-884, 360-885, 360-886, 360-887, 360-888, 360-889, 360-890, 360-891, 360-892, 360-893, 360-894, 360-895, 360-896, 360-897, 360-898, 360-899, 360-900, 360-901, 360-902, 360-903, 360-904, 360-905, 360-906, 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ИЗДАТЕЛЬСТВО НАУКИ И ТЕХНИКИ (ЛЕНИНГРАДСКОЕ ОТДЕЛЕНИЕ) СУБПОЛИГОН ДИ КАУСЫ МАК.

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 3.00

TC -	From	66 PLF at	9.00 to	66 PLF at	12.00 to
BC -	From	20 PLF at	0.00 to	20 PLF at	12.00 to
TC -	127 LB Conc.	Load at	3.06,	8.94	

BC -	40 LB Conc.	Load at 3.06,	8.94

#1 hip supports 3-0-0 jacks with no webs.



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

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

7.36.0424.11

QTY:1

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

Scale = .5" / Ft.

JAMES F. COLLINS JR.
LICENSE

TC LL	20.0 PSF	REF R8228 - 86402
TC DL	10.0 PSF	DATE 01/14/08

No. 56712

BC DL	10.0 PSF	DRW	HCUSR8228	08014088
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BC LL	0.0 PSF	HC-ENG JB/AP

STATE OF
NEW YORK
COUNTY OF
SARATOGA

TOT.LD.	40.0 PSF	SEQN -	26687
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DIR-EAC	1 25
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PROFESSIONAL ENGINEER

SPACING	24 0"
CONTRACT NO.	4-1-0
DATE	11/20/00

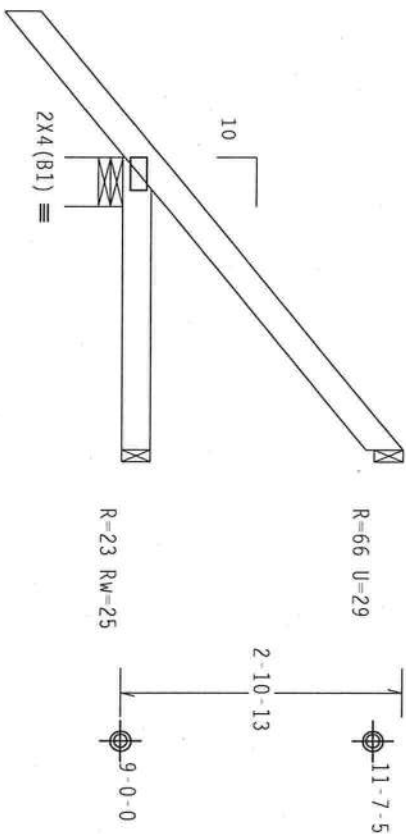
Call 1-800-368-2772

SEALING 24:0 JREF- 11E28228201

THE UNIVERSITY OF CHICAGO PRESS

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC D1=5.0 psf, wind BC

Wind reactions based on MWFRS pressures.



1-6-0

0-3-040 Over 23 supports
R=276 U=6 W=6"

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

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

7.36.0424 QTY

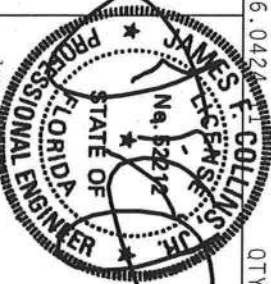
QTY:1 FL/-/4/-/-/R/-/

Scale = .5" / Ft.

WARNING—TRUCKS REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO AC308 (BUILDING COMPONENT SPECIFIC INFORMATION). PUBLISHED BY TPI (TROSS PANEL INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND NICKI GOODEN TRUSS COUNCIL OF AMERICA, 63000 ENTERPRISE LANE, MIDDLETOWN, NJ 07940 FOR SAFETY PRACTICES PRIOR TO FIELD CONSTRUCTION. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIDGEC ELLING.

ALPINE

ITW Building Components Group, Inc.

FL Coefficient of Δ Validation # 0.276

Jan 14 06

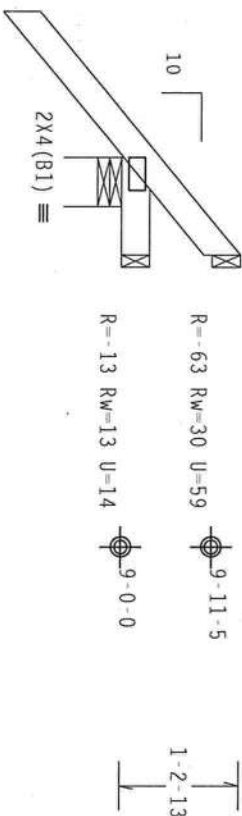
TC LL	20.0 PSF	REF	R8228- 86403
TC DL	10.0 PSF	DATE	01/11/08
BC DL	10.0 PSF	DRW	HCUSR8228 08011080
BC LL	0.0 PSF	HC-ENG JB/AP	*
TOT.LD.	40.0 PSF	SEQN-	26672
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228201

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

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

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

Wind reactions based on MMFRS pressures.



1-6-0-0
1-0-0 Over 3 Supports
R=269 U=39 W=6"

PLT TYP. Wave

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

7.36.0424

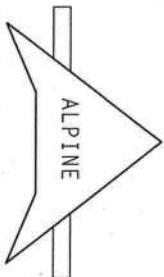
QTY:1 FL/-/4/-/-/R/-

Scale = .5"/ft.

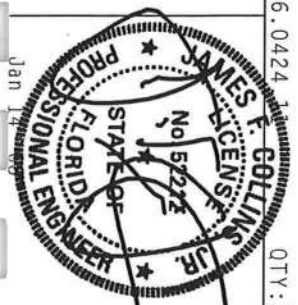
****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA, ENTERPRISE LANE, MADISON, WI 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 & BRACING OF THUSSES.

CONNECTION PLATES ARE MADE OF 20/18/16GA (W/H/SS/RS) ASH 6053 GRADE 40/40 (W, K/H, SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOR LOADS AND BY THE DESIGNER LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
File # of Revision # 0000



Jan 14 2008

TC LL	20.0 PSF	REF R8228- 86404
TC DL	10.0 PSF	DATE 01/14/08
BC DL	10.0 PSF	DRW HCUSR8228 08014060
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEON- 26677
DUR.FAC.	1.25	
SPACING	24.0"	
UREF	1TE28228201	

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

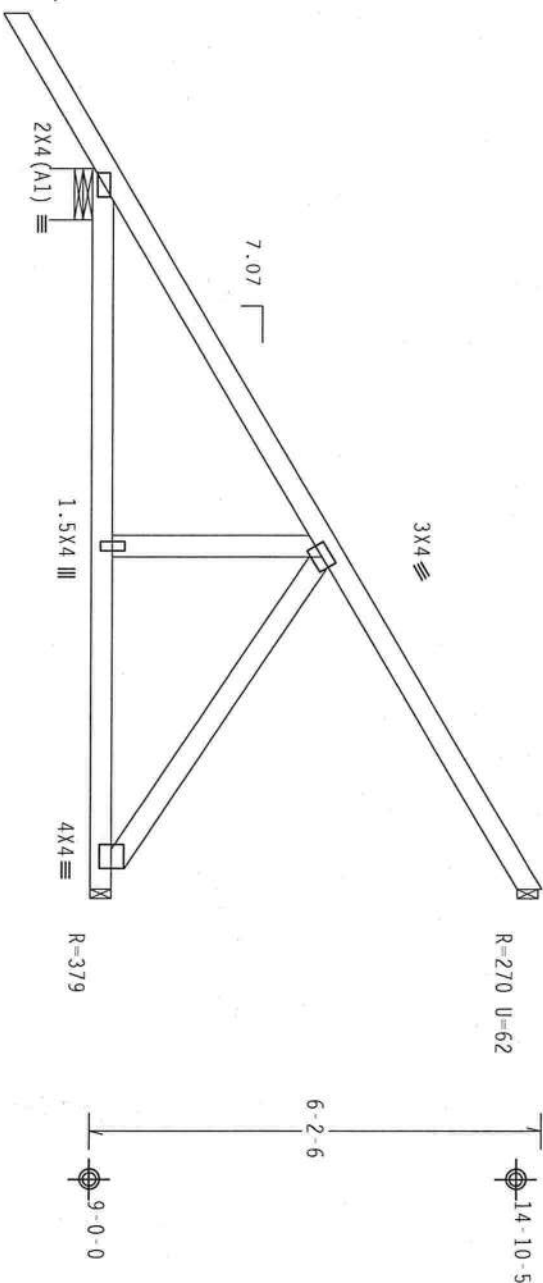
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf.

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

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

Wind reactions based on MMFRS pressures.

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



PLT TYP. Wave

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

7.37.0521

QTY: 1

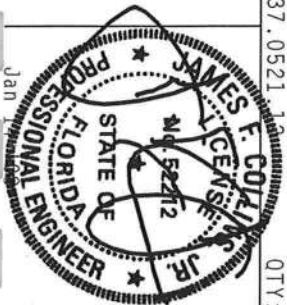
FL/-/4/-/1-/R/-

Scale = .375"/ft.

****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), 216 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.

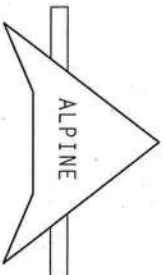
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 905 (NATIONAL DESIGN SPEC. BY AISC) AND TPI. THE BCG DESIGNER HAS MADE THE TRUSS TO BE USED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FORGONE BY THIS SHALL BE THE RESPONSIBILITY OF THE TRUSS CONSUMER. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS CONSUMER 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 - 86405
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014082
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT. LD.	40.0 PSF	SEQN	10035 REV
DUR. FAC.	1.25		
SPACING	24.0"	JREF	1TE28228201

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



THESE ARE THE ONLY TWO WHICH ARE NOT IN THE

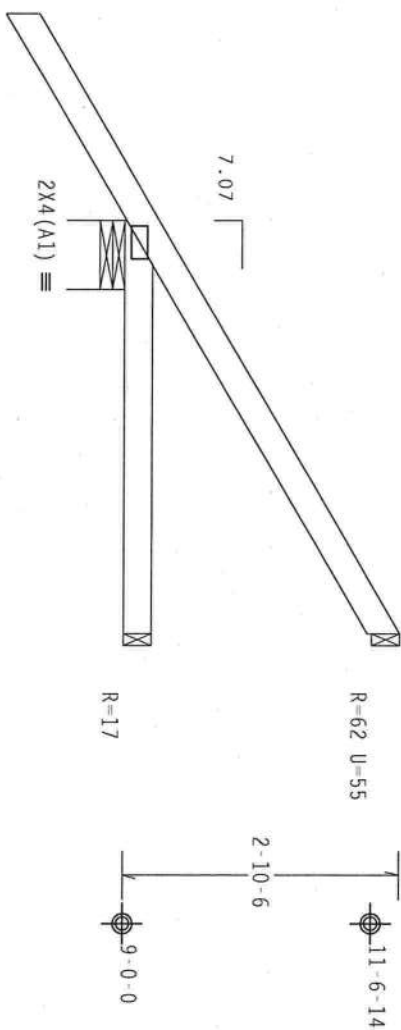
110 mph wind, 15.00 ft mean hgt., ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

SPECIAL LOADS

-----	(LUMBER	DUR.FAC.-1.25	/	PLATE	DUR.FAC.=1.25)
TC	- From	63 PLF	at -2.12	to	63 PLF at 4.24
BC	- From	5 PLF	at -2.12	to	5 PLF at -0.00
TC	- From	20 PLF	at -0.00	to	20 PLF at 4.24
BC	-	127 LB Conc.	Load at	1.48	
BC	-	26 LB Conc.	Load at	1.48	

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



← 4-2-15 Over 3 Supports →
R=266 U=169 W=8.485"

PLT TYP. Wave

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

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

7.36.0424

QTY:1

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

Scale = .5" / Ft.

WARNING THESE BRIDGE COMPONENTS CAME IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO NC51 (QUIDDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND MICA (GOOD TRUSS COUNCIL OF AMERICA, 61000 ENTERPRISE LANE, MOUNTAIN VIEW, UT 84040) FOR SAFETY PRACTICES AND PROCEDURES TO PREVENT THESE CONDITIONS. INTERESTED OWNERSHIP INDICATED THAT CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

ALPINE

ITW Building Components Group, Inc.

FL Certificate of Registration # 0000000000



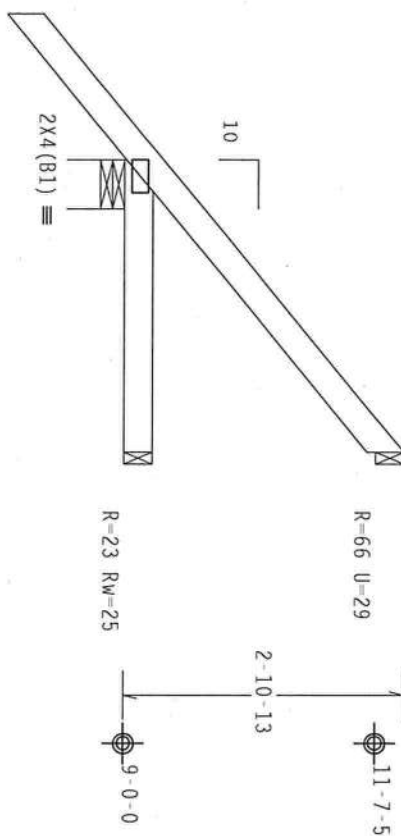
TC LL	20.0 PSF	REF	R8228 - 86406
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014083
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26683
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228Z01

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

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

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

Wind reactions based on MMFRS pressures.



←1-6-0→

0-3-040 over 23 supports
R=276 U=6 W=6"

PLT TYP. Wave

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

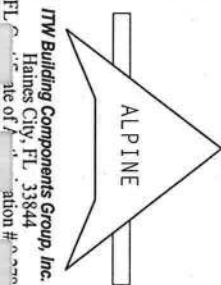
7.36.042/1.00(1.25)/10(0)

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

Scale = .5"/ft.

****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 STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), 530 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 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. 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 CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/NA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/160A (24/H/55/RS) ASTM A653 GRADE 40/50 (4. K/H/55) GALV. STEEL. APPLY TO ALL TRUSSES. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWING THE DESIGN SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

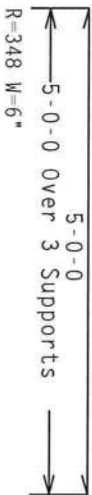


TC LL	20.0 PSF	REF R8228- 86407
TC DL	10.0 PSF	DATE 01/11/08
BC DL	10.0 PSF	DRW HCUSR8228 08011081
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEON- 26714
DUR.FAC.	1.25	
SPACING	24.0"	
UREF-	1TE28228Z01	

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 B, wind TC DL=5.0 psf, wind BC DL=5.0 psf 1w=1.00 GCp(+/-)=0.18

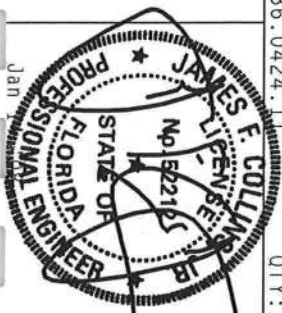
Wind reactions based on MWFRS pressures.

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

QTY:1

Scale = .5" / Ft.

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

[illegible]

Jar

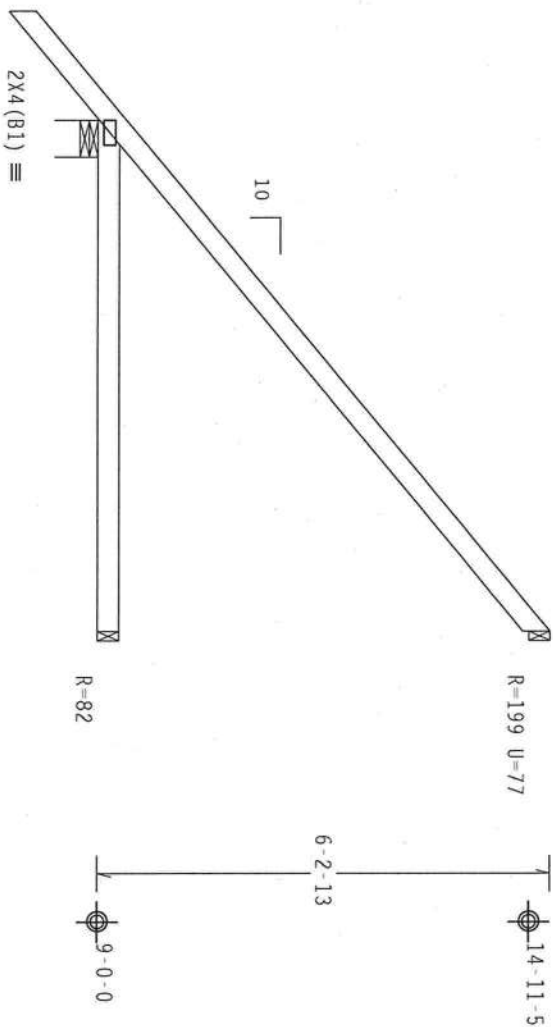
TC LL	20.0 PSF	REF R8228- 86408
TC DL	10.0 PSF	DATE 01/11/08
BC DL	10.0 PSF	DRW HCUR8228 08011082
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SE0N- 26718
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TE28228Z01

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0070

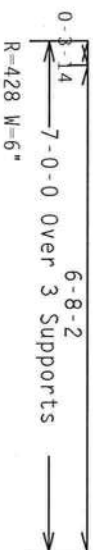
Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense

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

Wind reactions based on MIFRS pressures.



0-9-0



PLT TYP. Wave

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

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

7.36.0424 1
QTY:1

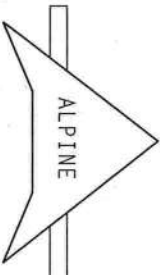
QTY:1

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

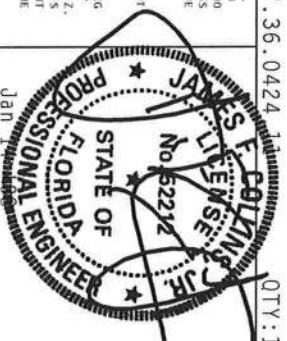
Scale = .375"/Ft.

WARNING: THESE RIGID FIBER CEMENT FABRICATION, HANDLING, CUTTING, INSTALLING AND BRACING REFER TO RCSI (RIGID INSULATION COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TIRISS PAPER INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND GOOD TRUSS COMPANY, OF AMERICA, 63000 ENTERPRISE LAKE, MANDISON, IL 53119 FOR SAFETY PRACTICES AND MEANS TO PREVENT THESE CONDITIONS. UNLESS OTHERWISE INDICATED, FOR GIRDOR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GIRDOR SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

• **IMPORTANT**—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE IRG, 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 CONTRACTOR. THE IRG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DESIGN CONFLICTS WITH APPLICABLE REGULATIONS OR ADOPTED CODES. DESIGN SPEC. BY ARKAP AND TPI. TYPING BY ARKAP. CONNECTION PLATES ARE MADE OF 2010/1606 (4-1/8"X5-5/8") ASTM A563, GRADE 50/60 (4- 6/8"X5-5/8") GRADE 50/60. STEEL, ALL PLATES TO EACH PAIR OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1606-2. AN INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE PER ARKAP AS OF THIS DATE. 2009 SEC.3. THE IRG, INC. HAS THE DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ASMT/TP1 1 SEC. 2.



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



TC LL	20.0 PSF	REF	R8228- 86409
TC DL	10.0 PSF	DATE	01/11/08
BC DL	10.0 PSF	DRW	HGUSR8228 08011083
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26769
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228Z01

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

110 mph wind, 20.63 ft mean hgt., ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MMFRS pressures.

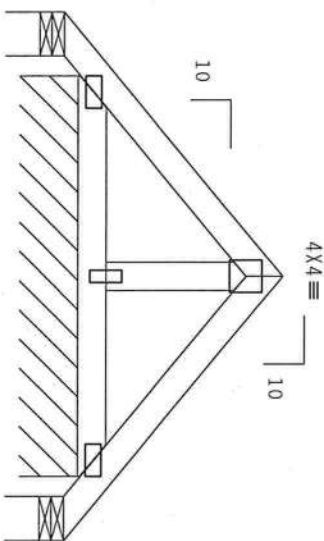
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

SPECIAL LOADS

TC	From	66 PLF at	0.00 to	66 PLF at	2.71
TC	From	66 PLF at	2.71 to	66 PLF at	5.43
BC	From	4 PLF at	0.00 to	4 PLF at	5.43

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.



19-6-02

$$2 \times 4(B1) \equiv 1.5 \times 4 \equiv 2 \times 4(B1)$$

Diagram illustrating the addition of two 2-bit numbers, 2-0-11 and 2-0-11, resulting in a 4-bit sum 1-0-10.

5-5-2 Over 3 Supports

R=3 RW=42 U=41 W=5.467"

R=83 PLF U=25 PLF W=4-1-6

$$R=3 \quad R_W=6 \quad U=5 \quad W=5.467''$$

PLT TYP. Wave

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

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

7.36.0424

QTY:1

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

Scale = .5"/Ft.

ALPINE

ITW Building Components Group, Inc.

Haines City, FL 33844

F-L Certificate of Authorization # 0 278

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

Scale = .5"/Ft.

TC LL	20.0
-------	------

REF R8228- 86410

TC DL 10.0

DATE 01/14/08

BC NI 10 0 1

DOI: 10.1002/anie

2000

110 200 300 400 500 600 700 800 900 1000

DE	0.0
LC	0.0
LC	0.0

THE ENGINEER/ARCHITECT

101.LD. 40.0

26668 - SEQN -

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1TE28228Z01

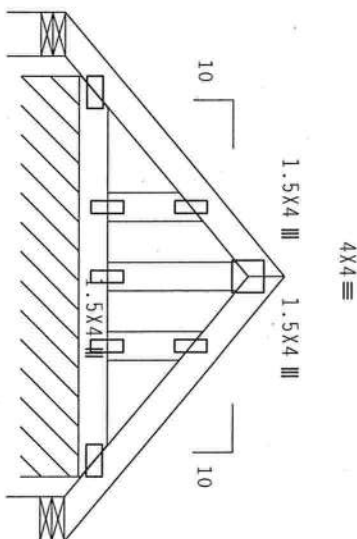
	Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense	
	Web	2x4	SP	#3		

110 mph wind, 20.63 ft mean hgt., ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. $I_w=1.00$ GCp1(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWGS A11030EE0207 & GBLLETIN0207 for more requirements.

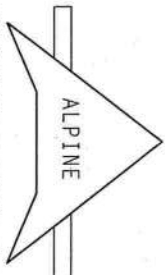
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



19-6-62

[illegible]

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/-/-/R/-/

Scale = .5"/Ft.

WARNING—TRUCKS REQUIRE EXPLICIT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING REFER TO AC301 (OUTLINED COMPONENT SPECIFICATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND AISC (6000 TRUSS COMPANY OF AMERICA, 6500 ENTERPRISE BLVD., MADISON, WI, 53719) FOR TRUSS PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, FOR GIRDOR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GIRDOR SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FACTORS TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING, BRACING OF TRUSSES.

DESIGN CONDITIONS THE APPLICABLE PROVISIONS OF MODERN NATIONAL DESIGN SPEC. BY AREA) AND TPI. THE BRIDGE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE BRIDGE AND THE DESIGN OF THE BRIDGE. CONDUCTOR PLATES ARE MADE OF 20/20/16 (60/40/55) ASTM A553 GRADE 40/60 (60/40/55) 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 AREA AS OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE TRUSS COMPONENT OF THE DESIGN SHOWN, THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AREA/TPI 1 SEC. 2.

SPECIAL LOADS

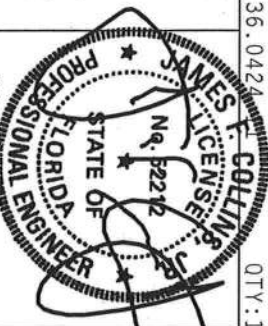
TC	From	66 PLF at	0.00 to	66 PLF at	2.71
TC	From	66 PLF at	2.71 to	66 PLF at	5.43
BC	From	4 PLF at	0.00 to	4 PLF at	5.43

Truss spaced at 24.0" OC designed to support 2-0' 0" top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

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.



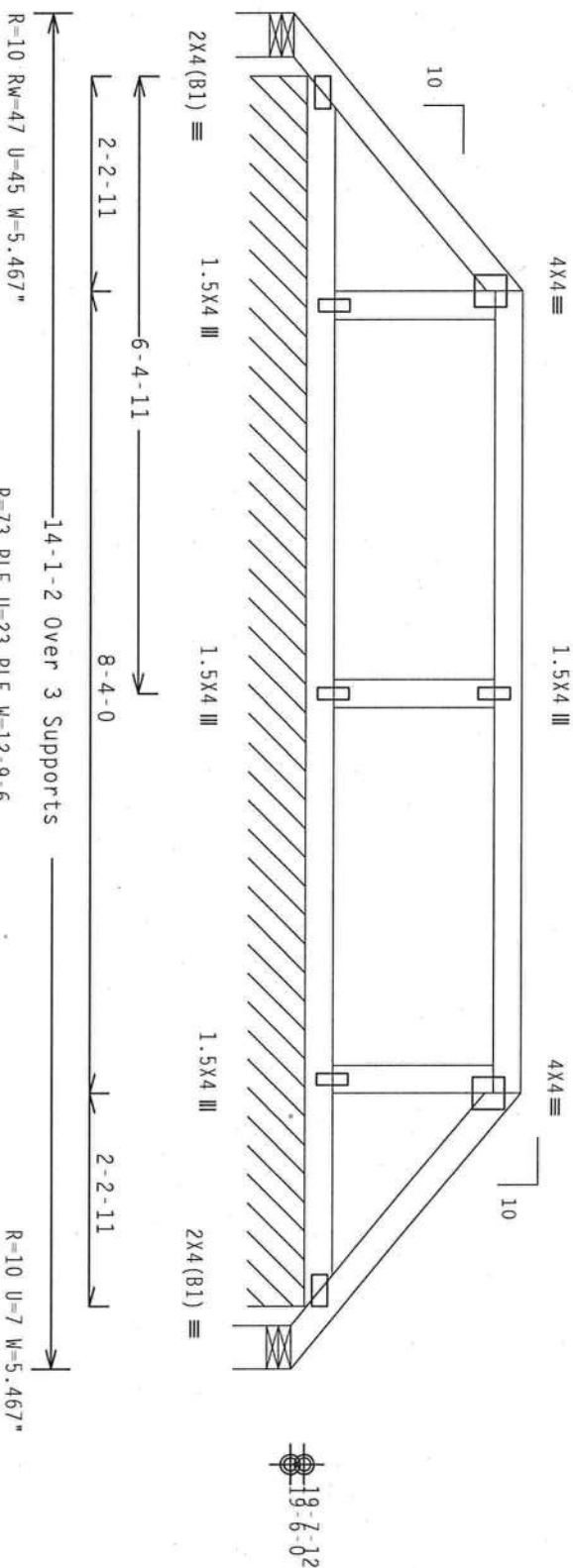
TC LL	20.0 PSF	REF	R8228- 86411
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014084
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26705
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228Z01

110 mph wind, 20.70 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, Iw=1.00 gcpi(+/-)=0.18

Wind reactions based on MMFRS pressures.

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

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.



PLT TYP. Wave

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

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

7.36.0424

QTY:1

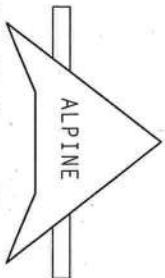
FL/-/4/-/-/R/-/

Scale = .5" / Ft.

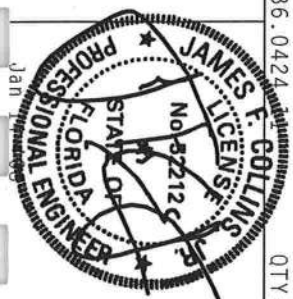
WARNING—TRIPLES RIGIDITY EXISTENT CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO GC-1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE IRONSTEEL PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND AISC 3600 TRUSS COUNCIL OF AMERICA, 65000 INTERSTATE LAKE, MADISON, WI 53719 FOR SAFETY PRACTICES TO PREVENT THESE CONDITIONS. UNDESIGNED OR PROPERLY INDICATED FOR GOOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

SPECIAL LOADS
 ----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
 TC - From 66 PLF at 0.00 to 66 PLF at 2.88
 TC - From 66 PLF at 2.88 to 66 PLF at 11.21
 TC - From 66 PLF at 11.21 to 66 PLF at 14.09
 BC - From 4 PLF at 0.00 to 4 PLF at 14.09

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



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 00070



TC LL	20.0 PSF	REF	R8228- 86412
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014062
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26819
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228201

110 mph wind, 21.53 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=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.



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

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

7.36.0424

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

Scale = .5"/Ft.

WARNING: THESE PRACTICES REQUIRE EXTENSIVE CARE IN IDENTIFICATION, HANDLING, SHIPPING, INSTALLING AND PROTECTING REFER TO GC-51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CROSS PAPER INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WITH A MEMBER TRUSS COUNCIL OF AMERICA, 63000 ENTERPRISE LANE, MOBILE, AL 36619 FOR SAFETY PRACTICES PRIOR TO REMOVING THESE FLOORS. INTERESTED INDUSTRY PERSONS SHOULD 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. THE BCG, INC. SHALL NOT

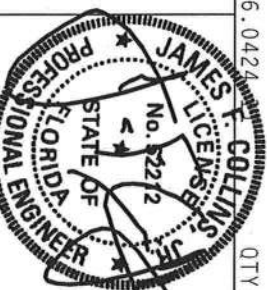
BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE SOLE RESPONSIBILITY OF THE USER. THE USER SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/P/N) AND TPI.
CONNECTION PLATES ARE MADE OF 20/10/16GA (N/11/55/K) ASTM A653 GRADE 40/60 (N/4/K/11/55) GALV. STEEL.
PLATES TO EACH FACE OF JOINTS AND JOINTS ATTACHED TO EACH END OF TUBE SECTION POSITIONED PER DRAWING 3504-2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX AS OF TP11-2002 SEC.3, DRAINING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS. A SEAL ON THIS

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 # A-0390



TC LL	20.0 PSF	REF	R8228- 86413
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014063
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26823
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228Z01

Negative reaction(s) of -249# MAX. (See below) from a non-wind load case requires uplift connection.

Wind reactions based on MWFRS pressures.

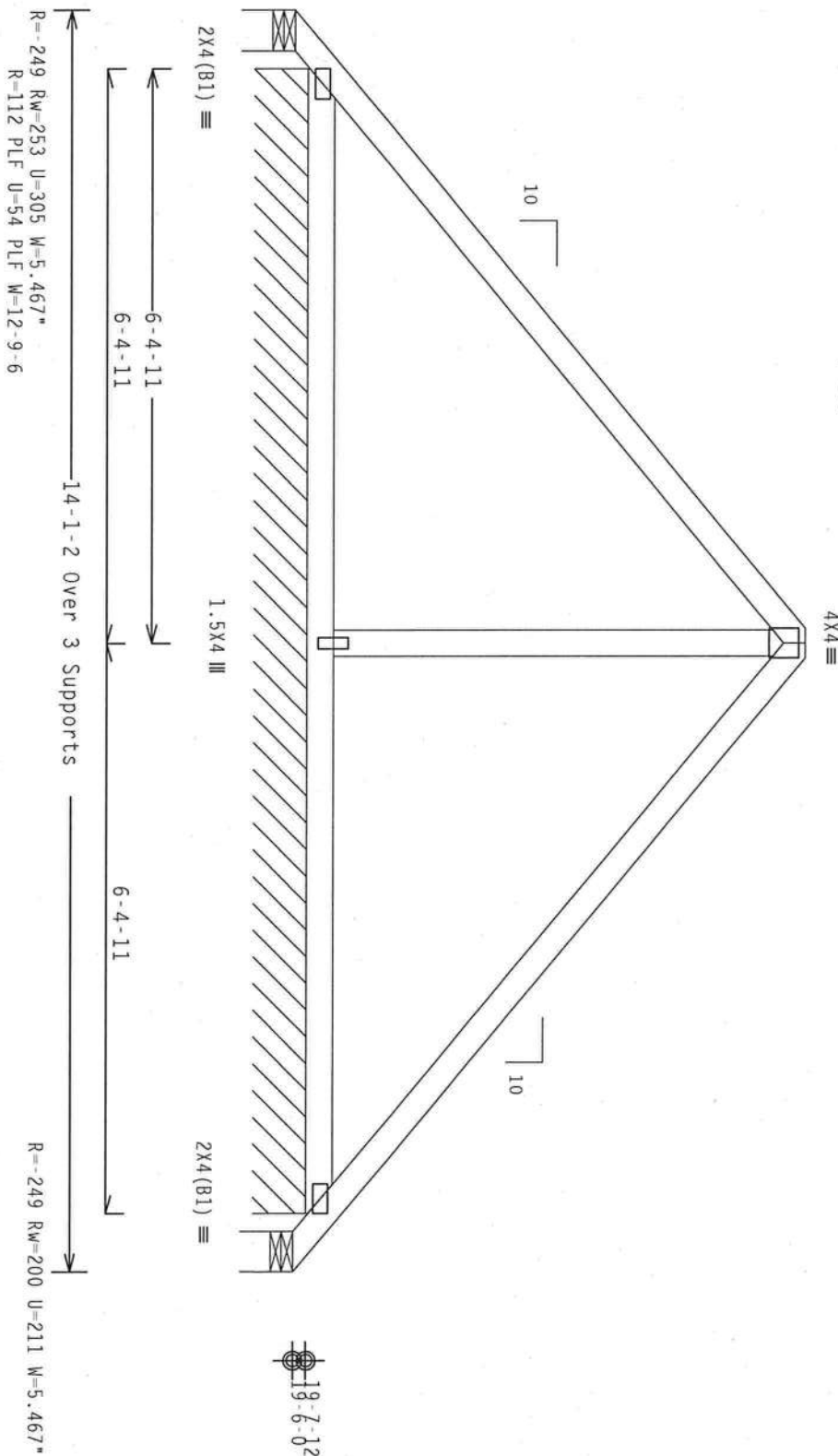
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

TC	From	66 PLF at	0.00 to	66 PLF at	6.88
TC	From	66 PLF at	7.21 to	66 PLF at	14.09
BC	From	4 PLF at	0.00 to	4 PLF at	14.09

110 mph wind, 22.37 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=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.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0) \quad 7.36.0424.11$

QTY:1

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

Scale = .5" / Ft.

WARNING: THESE TRUCKS REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCST (BUILDING COMPONENT INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND TRCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 GORDON ENTERPRISE LANE, MOUNTAIN VIEW, NJ 07093) FOR SAFETY PRACTICES AND FOR REPAIRING THESE TRUCKS. UNLESS OTHERWISE INDICATED, THE CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CLEANG.

****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 TPI-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING, A BRACING OF TRUSS55, DESIGN CONFORMING WITH ALL APPLICABLE PROVISIONS OF THE FEDERAL BUILDING CODE, BY LOCAL AND THE

CONNECTIONS WITH APPLICABLE PROVISIONS OF AISC 360 AND 361. THE STEEL CONNECTOR PLATES ARE MADE OF 20/18/16GA (M.H./S.H.) ASTM A563 GRADE 40/60 (M./K.H./S.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-160C. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN A3 OF TP11-2002 SEC.3. A SEAL ON THIS

DESIGN INDICATE 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/PTI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228- 86414
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014064
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26827
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE2828Z01

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

Negative reaction(s) of -248# MAX. (See below) from a non-wind load case requires uplift connection.

Wind reactions based on MMFRS pressures.

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

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

SPECIAL LOADS

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

TC - From	66 PLF at 0.00 to	66 PLF at 7.05
TC - From	66 PLF at 7.05 to	66 PLF at 14.09
BC - From	4 PLF at 0.00 to	4 PLF at 14.09

110 mph wind, 22.44 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=2.0 psf 1w=1.00 GCPI(+/-)=0.18

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

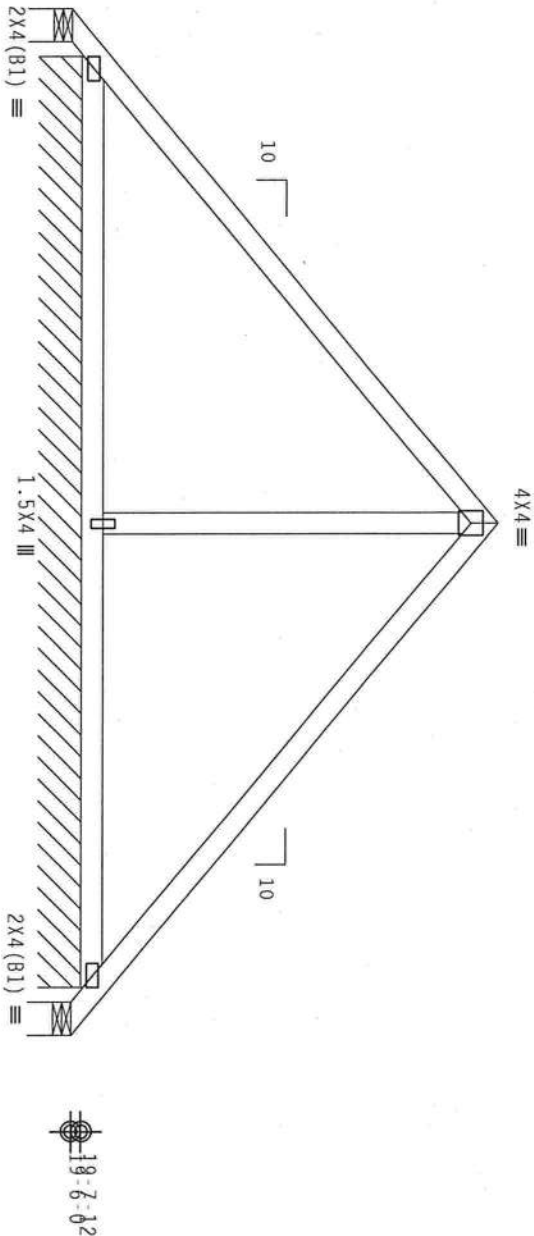


Diagram of a continuous beam with three supports. The beam is divided into four segments by three supports. The first segment has a length of 6-4-11. The second segment has a length of 6-4-11. The third segment has a length of 6-4-11. The fourth segment has a length of 6-4-11. The total length of the beam is 14-1-2 Over 3 Supports. The beam is labeled R=249 R_w=255 U=306 W=5.467* on the left and R=249 R_w=2 on the right.

R=114 PLF U=54 PLF W=12-9-6

R=-.249 RW=200 U=211 W=5.467"

PLT TYP. Wave

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

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

7.36.0424

QTY:1

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

Scale = .375"/Ft.

WARNING: THESE BUILDING EXISTENT CARE IN INFORMATION, HANDLING, LIFTING, INSTALLING AND BRACING REFER TO DESIGN (CONSOLIDATING COMPONENT SAFETY INCORPORATION), PUBLISHED BY THE STEEL INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22319 AND AISC (GOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI, 53719 FOR SAFETY PRACTICES PREFER TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

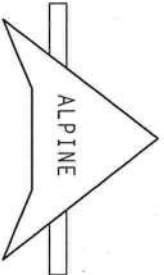
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT

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

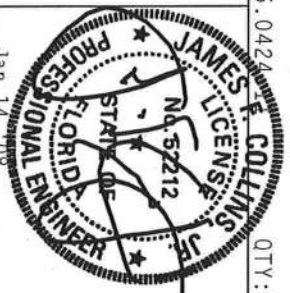
DESIGN COMPROMISES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND IP1. THE BOSS CONNECTOR PLATES ARE MADE OF 20/18/1664 (H, N/55/X) ASTM A563 GRADE 40/60 (H, K/H, S5) GALV. STEEL. APPLY PLATES TO EACH END OF BOSS AND THREE OTHERS LOCATED ON THIS DESIGN POSITION ON END JOINTS. 1664-2

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMHX A3 OF TP11-2002 SEC.3, UNLESS OTHERWISE LOCATED ON THIS LOCATION, POSITION PER DRAWING. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT. A SEAL ON THIS

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



Jan 14 08

TC LL	20.0 PSF	REF	R8228-86415
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014065
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT. LD.	40.0 PSF	SEQN-	26831
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228Z01

110 mph wind, 24.10 ft mean hgt., ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

(A) Continuous lateral bracing equally spaced on member. 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.



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

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

7.36.0424

 $OY:1$

FL1-141-1-1R1-

Scale = 3125"/Ft+

WARNING: THESE RIGGING EQUIPMENT, INCLUDING SHIPING, INSTALLING AND BRACING, REFER TO DC21 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE PRESS PUBLISHING INSTITUTE, NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND NETA GROUP THROUGH THE NATIONAL ELECTRICAL INTERPRETIVE LABOR, 55719 FOR SAFETY PRACTICES AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PIPES AND BOTTOM CHORD SHALL HAVE OUTSTANDING INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PIPES AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED FIELD CELLING.

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

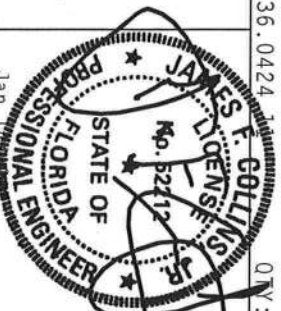
TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTOR PLATES ARE MADE OF 20/10/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND SURFACE OF BRACKET. LOCATED ON TRUSS BEAMS, BRACKET PLATES ARE TO BE WELDED TO THE TRUSS BEAMS.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT AND INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 00070



TC LL	20.0 PSF	REF	R8228- 86416
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014066
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26872
DUR.FAC.	1.25		
SPACING	24.0"	DRFF-	1TE28228Z01

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 11.05
TC - From 66 PLF at 11.05 to 66 PLF at 22.09
BC - From 4 PLF at 0.00 to 4 PLF at 22.09

Wind reactions based on MWFRS pressures.

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

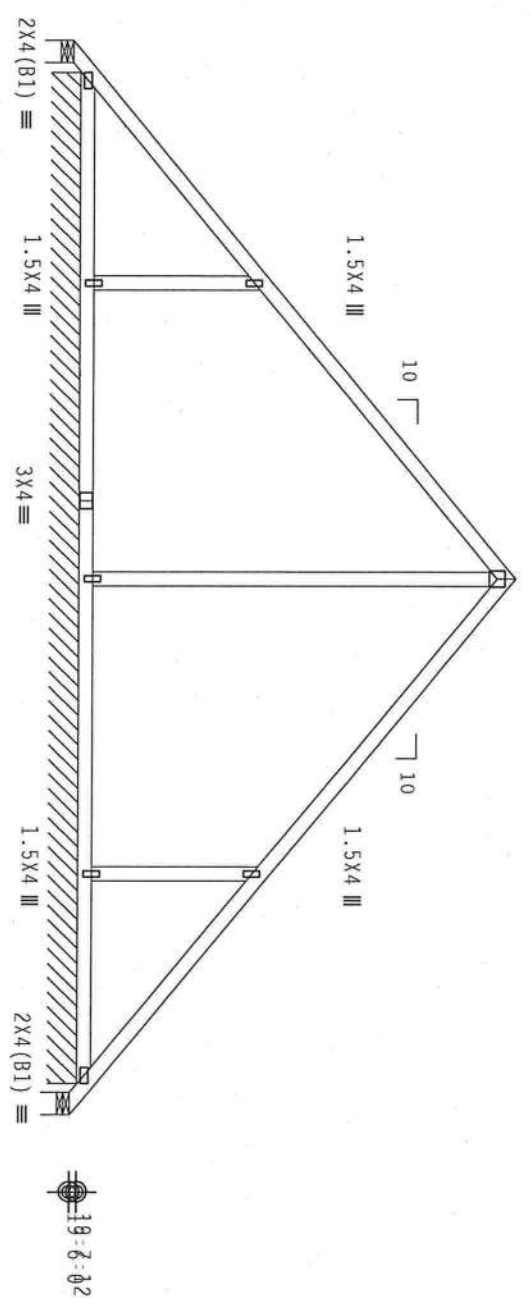
2 COMPLETE TRUSSES REQUIRED

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



10'-4-11
10'-4-11
22'-1-2 Over 3 Supports
R=-30 Rw=180 U=182 W=5.467*
R=76 PLF U=29 PLF W=20-9-6
R=-29 Rw=56 U=29 W=5.466*

PLT TYP. Wave

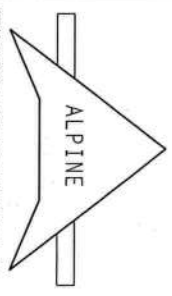
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

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

Scale = .25"/Ft.

WARNING TRUSSES BEING EXTREME CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSTI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED 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. TITW 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 COMPARES WITH APPLICABLE PROVISIONS OF MOST NATIONAL DESIGN SPEC. BY AIRPS) AND TPI. TITW BCG PLATES TO PLATES ARE MADE OF 2010/1604 (40/55/75) ASTM A653 GRADE 40/60 (40, K/H-55) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TITW BCG. TITW BCG SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN. BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #00370



TC LL	20.0 PSF	REF	R8228- 86417
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014067
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26888
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228Z01

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

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 11.05
TC - From 66 PLF at 11.05 to 66 PLF at 22.09
BC - From 4 PLF at 0.00 to 4 PLF at 22.09

Wind reactions based on MWFRS pressures.

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

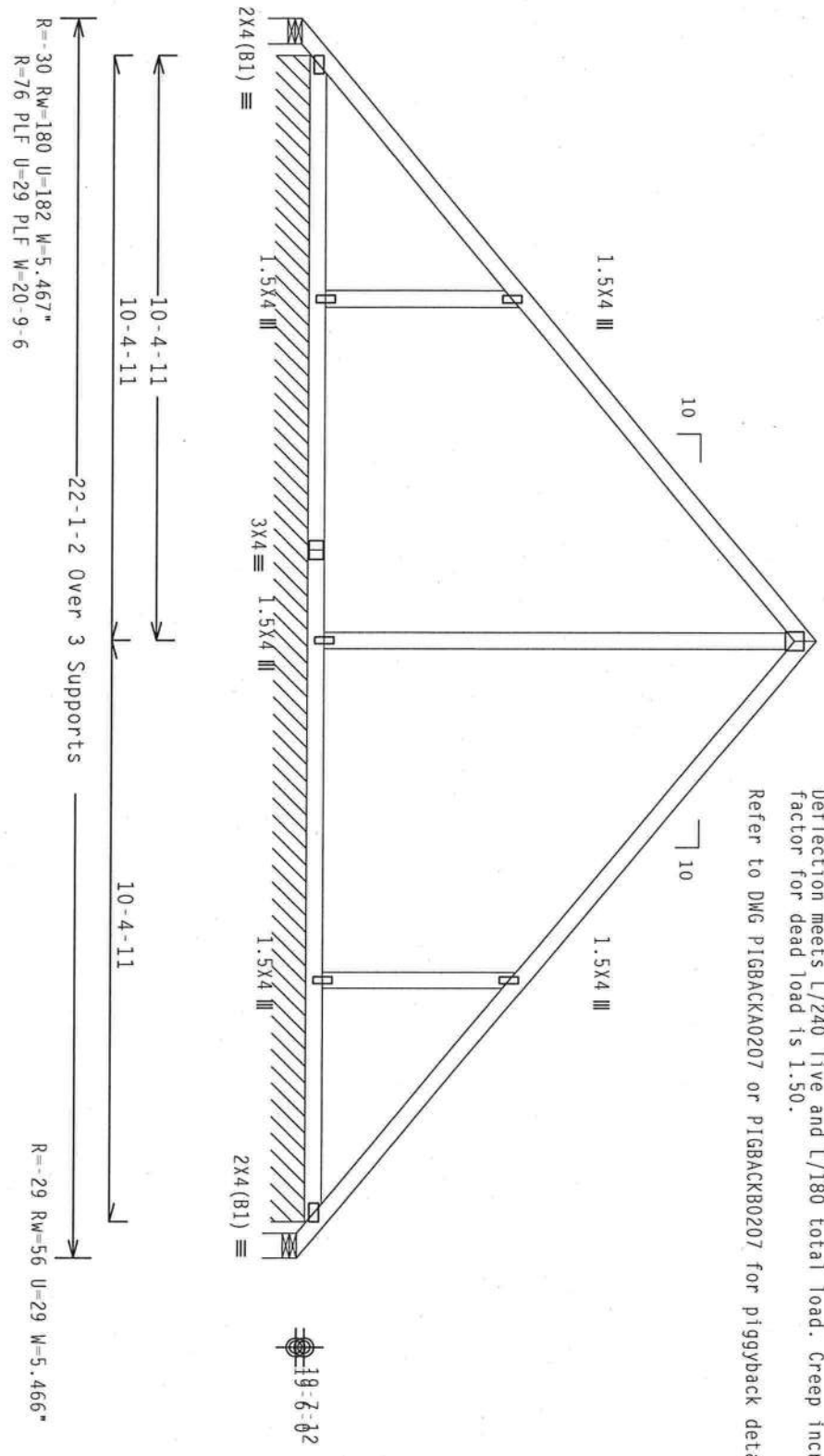
2 COMPLETE TRUSSES REQUIRED

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, 24.10 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC
DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 Gcpl(+/-)=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.



PLT TYP. Wave

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

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

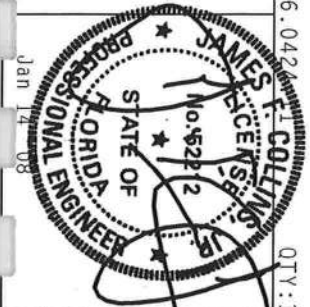
Scale = .3125"/Ft.

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), 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 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. TITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF 2010/10/16/2012 (A, H/35/51) ASHRAE 62.1 (2010) AND TPI. TITW BCG HAS CONDUCTED VISUAL INSPECTION OF THIS DESIGN. LOCATION OF THIS DESIGN, POSITION PER DRAWINGS 160A-2, ANY INSPECTION OF PLATES FOLLOWED BY VISUAL INSPECTION OF THE TRUSS CONSTRUCTION. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Approval #00000000



TC LL	20.0 PSF	REF R8228 - 86418
TC DL	10.0 PSF	DATE 01/14/08
BC DL	10.0 PSF	DRW HCUR8228 08014068
BC LL	0.0 PSF	HC-ENG JB/AP
TOT. LD.	40.0 PSF	SEQN- 26893
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1TE28228Z01

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

211

Nailing Schedule: (10d_Box or Gun (0.128"x3", min.) nails)

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

bol 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, 24.10 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, $I_w=1.00$ GCPI (+/-)=0.18

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

SPECIAL LOADS

----- (LUMBER CONDOS		DUR.FAC.=1.25 /	PLATE DUR.FAC.=1.25)
TC - From	66 PLF at 0.00 to	66 PLF at 11.05	
TC - From	66 PLF at 11.05 to	66 PLF at 22.09	
BC - From	4 PLF at 0.00 to	4 PLF at 22.09	

Wind reactions based on MMFRS pressures.

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

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

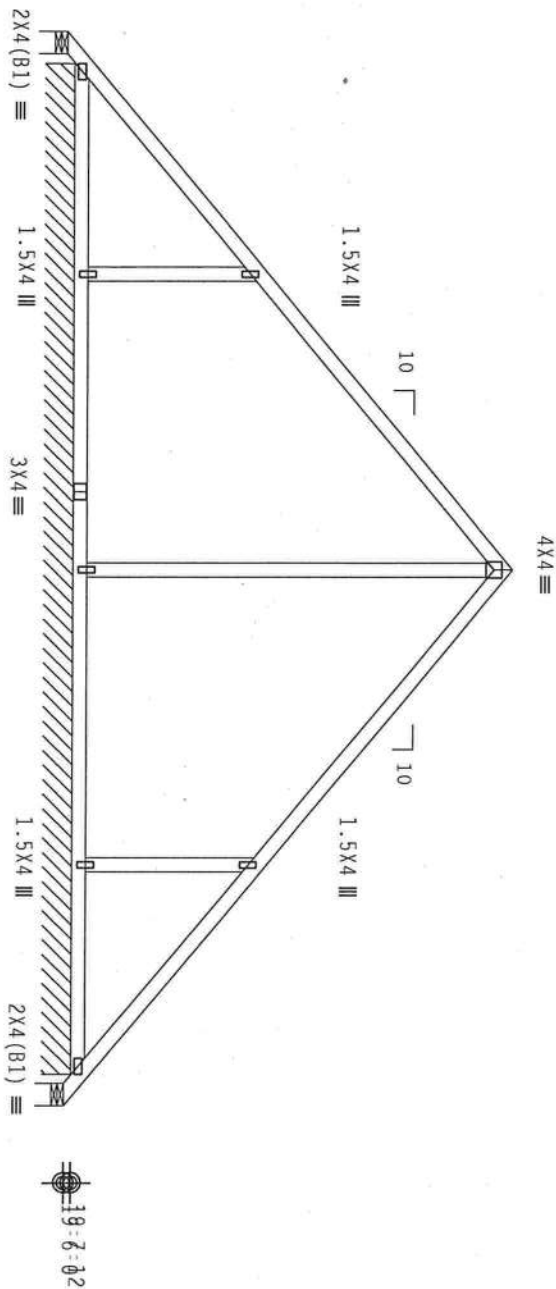


Diagram of a continuous beam with three supports. The beam is divided into four spans. The first span is 10'-4" 11", the second is 10'-4" 11", the third is 22'-1" 2", and the fourth is 10'-4" 11". The beam is labeled "22-1-2 Over 3 Supports". The beam is supported by three supports. The beam is labeled "R=30 Rw=180 U=182 W=5.467" at the left end, "R=76 PLF U=29 PLF W=20-9-6" at the first support, and "R=29 Rw=56 U=29 W=5.466" at the right end.

PLT TYP. Wave

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

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

7.36.0424

QTY:1

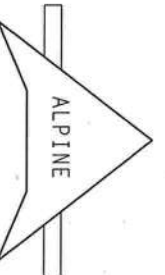
-FL/-/4/-/-/R/-

Scale = .25"/Ft.

[illegible]

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

DESIGN CONDITIONS AND APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. FOR AISC) AND THE BUILDING DESIGNER PER AISC/TP1 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
EL Certificate of Authorization # 0070



TC LL	20.0 PSF	REF	R8228- 86419
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014069
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26898
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE2828Z01

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

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 11.05
TC - From 66 PLF at 11.05 to 66 PLF at 22.09
BC - From 4 PLF at 0.00 to 4 PLF at 22.09

Wind reactions based on MMFRS pressures.

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

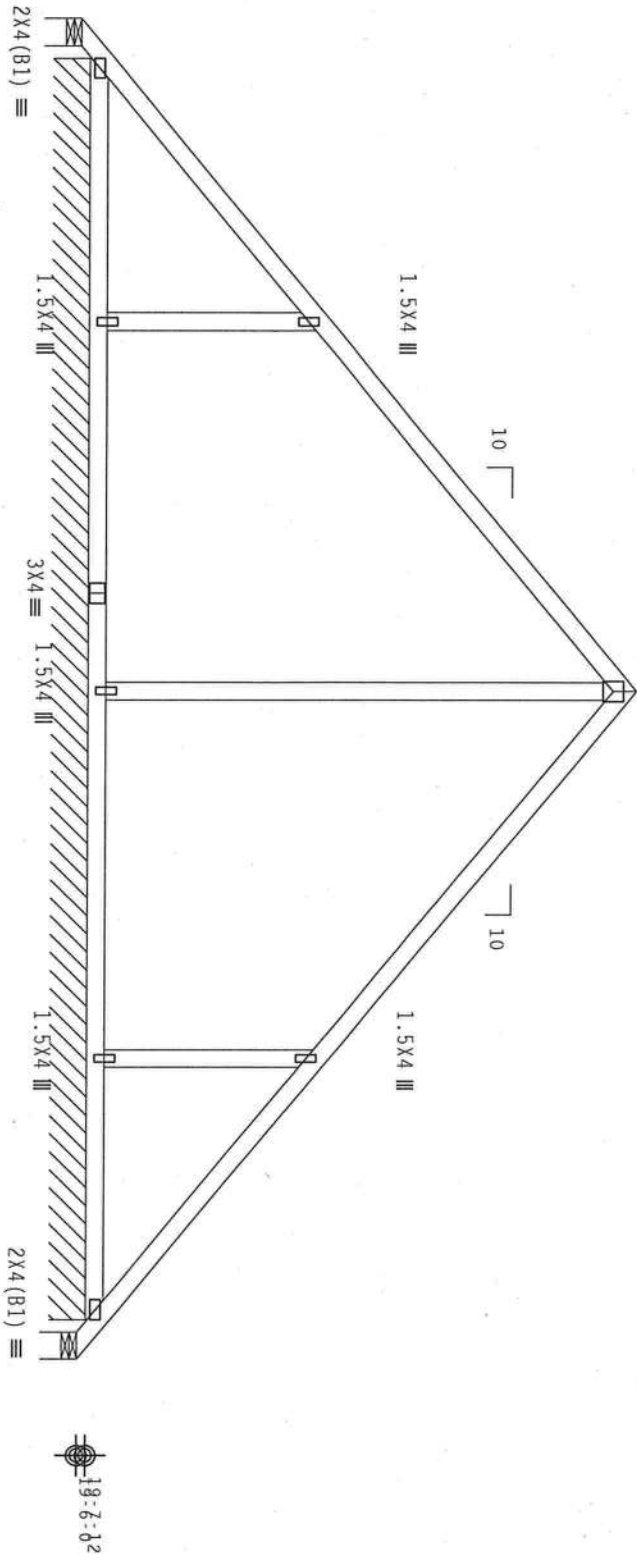
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

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, 24.10 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, Wind TC DL=5.0 psf, Wind BC DL=2.0 psf, 1w=1.00 gcpl(+/-)=0.18

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



10'-4-11' 10'-4-11' 10'-4-11'

22-1-2 Over 3 Supports

R=30 Rw=180 U=182 W=5.467"

R=76 PLF U=29 PLF W=20-9-6

R=29 Rw=56 U=29 W=5.466"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

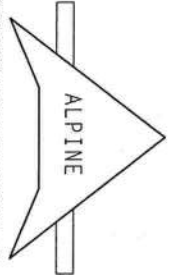
QTY: 1

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

Scale = .3125"/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, 316 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304), AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 2003 NATIONAL DESIGN SPEC. BY ACPA AND TPI. ITW BCG PLATES ON PLATES ARE MADE OF 20/24/1604 (4 W/55/55) ASH 6053 GRADE 40/60 (4, K7H/55) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY A PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENTS 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
ITW Certificate of Authorization #0070



TC LL	20.0 PSF	REF	R8228 - 86420
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014070
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26903
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE28228Z01

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

SPECIAL LOADS
----- (LUMBER DUR. FAC. =1.25 / PLATE DUR. FAC. =1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 11.05
TC - From 66 PLF at 11.05 to 66 PLF at 22.09
BC - From 4 PLF at 0.00 to 4 PLF at 22.09

Wind reactions based on MWFRS pressures.

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

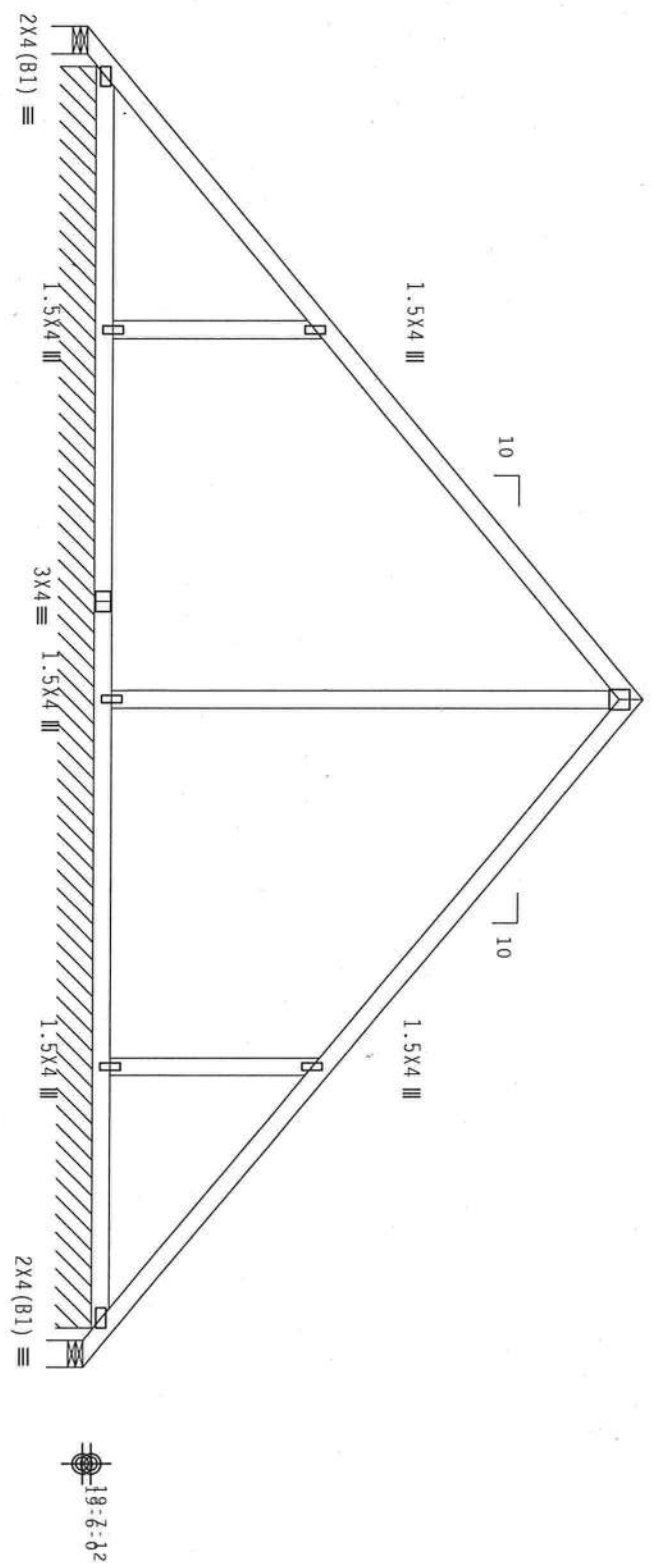
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

2 COMPLETE TRUSSES REQUIRED

Roofing Schedule: (10d_Box-or_Gun_(0.128"x3"-min.))_na(1s)
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, 24.10 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC
DL=5.0 psf, wind BC DL=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.



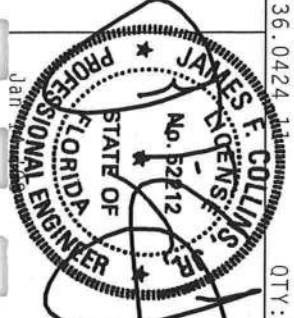
10'-4-11
10'-4-11
22'-1-2 Over 3 Supports
10'-4-11
R=30 Rw=180 U=182 W=5.467"
R=76 PLF U=29 PLF W=20-9-6
R=29 Rw=56 U=29 W=5.466"

PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale = .3125"/ft.

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, 110 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN, OR FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF MD (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/1664 (W-0.05/0.5) ASH ASSY GRADE 40/60 (W, K/H, S) GALV. STEEL. TYP BCG. ANY INSPECTION OF PLATEWORK SHALL BE BY THE BCG, INC. OR ITS AUTHORIZED REPRESENTATIVE. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE TRUSS COMPANY SHALL BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R8228- 86421
TC DL	10.0 PSF	DATE 01/14/08
BC DL	10.0 PSF	DRW HCUR8228 08014071
BC LL	0.0 PSF	HC-ENG JB/AP
TOT. LD.	40.0 PSF	SEQN- 26908
DUR. FAC.	1.25	
SPACING	24.0"	
JREF- 1TE28228201		

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #00070

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 11.05
TC - From 66 PLF at 11.05 to 66 PLF at 22.09
BC - From 4 PLF at 0.00 to 4 PLF at 22.09

Wind reactions based on MWFRS pressures.

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

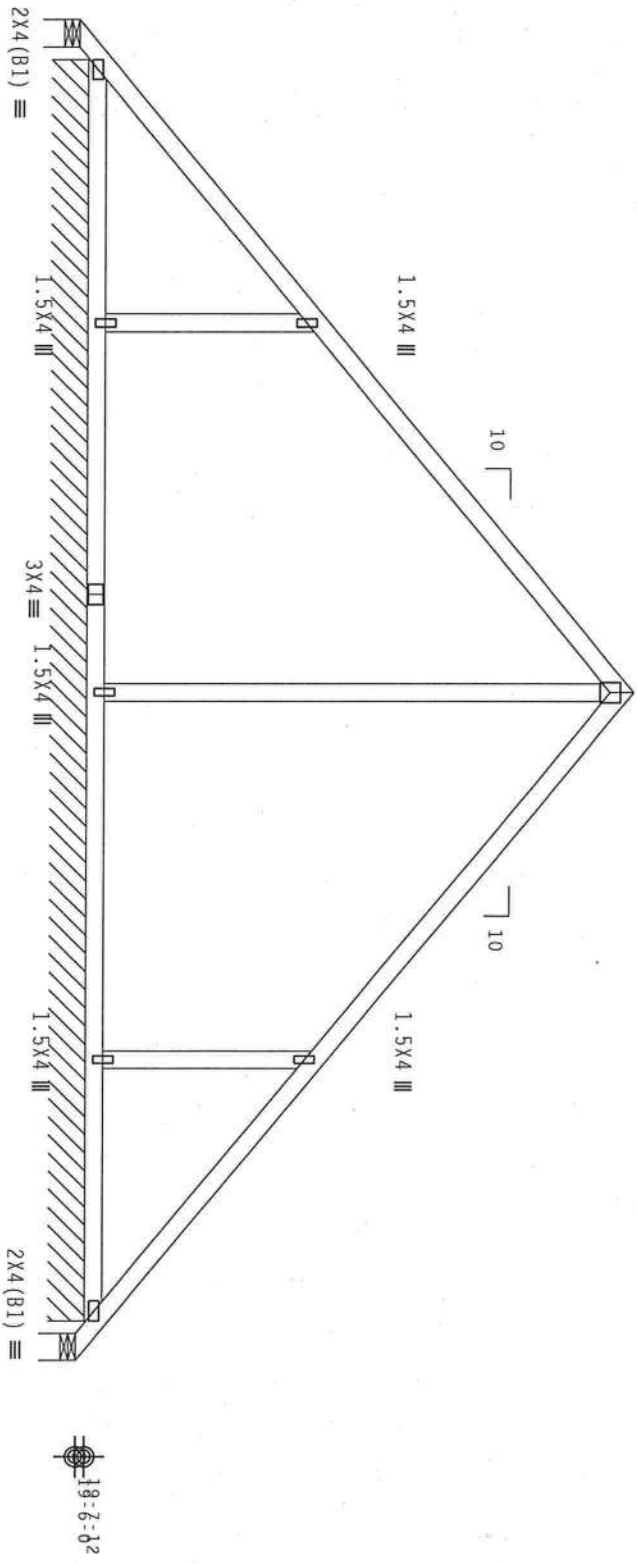
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

2 COMPLETE TRUSSES REQUIRED

Roofing 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, 24.10 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT II, EXP B, Wind TC
DL=5.0 psf, Wind BC DL=2.0 psf, W=1.00 GCP(+/-)=0.18

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



10-4-11
10-4-11
22-1-2 Over 3 Supports
10-4-11
R=-30 Rw=180 U=182 W=5.467"
R=76 PLF U=29 PLF W=20-9-6
R=-29 Rw=56 U=29 W=5.466"

PLT TYP. Wave

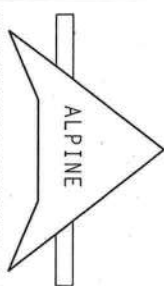
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

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

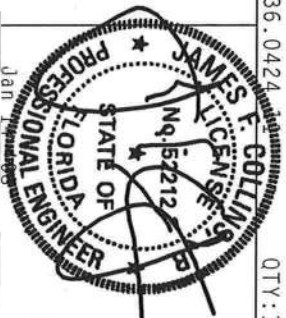
Scale = .3125"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCS1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLAYERS, 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 DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING DURING TRANSPORTATION OR INSTALLATION. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING DURING STORAGE OR HANDLING. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING DURING USE.



TPI Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Approval #0370



TC LL	20.0 PSF	REF R8228-86422
TC DL	10.0 PSF	DATE 01/14/08
BC DL	10.0 PSF	DRW HCSR8228 08014072
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 26913
DUR.FAC.	1.25	
SPACING	24.0"	

UREF- 1TE28228201

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 7.05
TC - From 66 PLF at 7.05 to 66 PLF at 14.09
BC - From 4 PLF at 0.00 to 4 PLF at 14.09

110 mph wind, 22.44 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC
DL=5.0 psf, wind BC DL=2.0 psf, IW=1.00 GCP1(+/-)=0.18

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

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

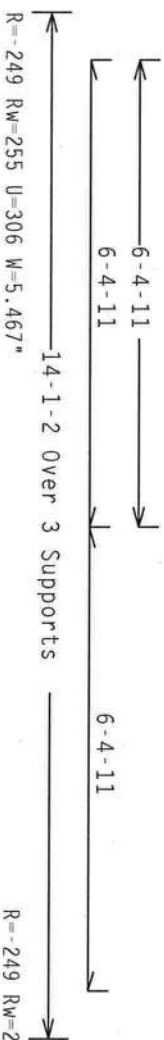
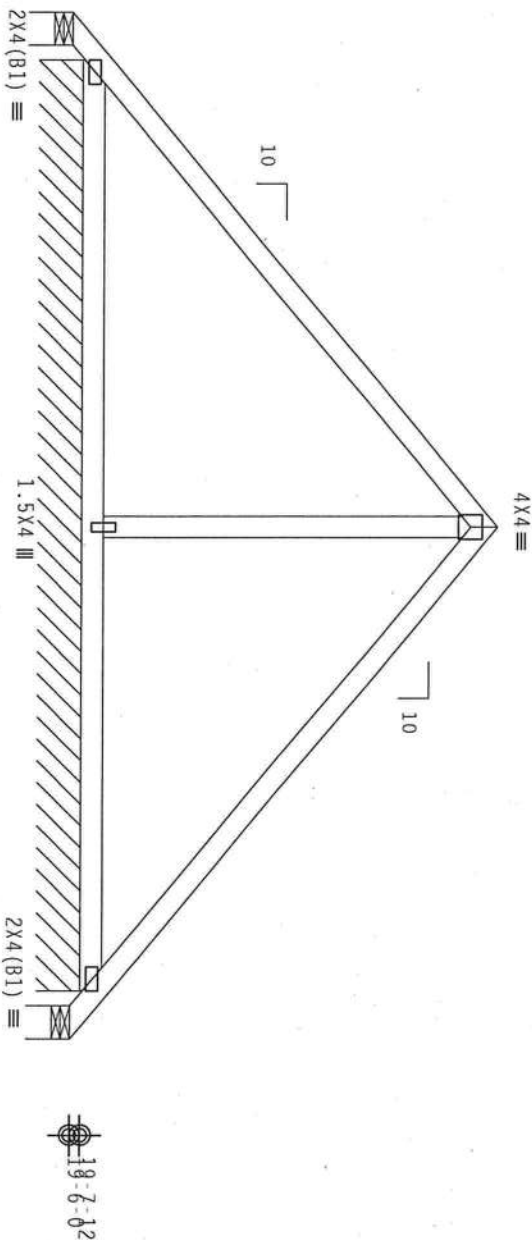
2 COMPLETE TRUSSES REQUIRED

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.

Negative reaction(s) of -248# MAX. (See below) from a non-wind
load case requires uplift connection.

Wind reactions based on MMFRS pressures.

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



PLT TYP. Wave

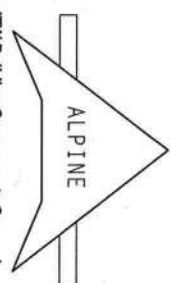
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

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

Scale = .375"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO BEST AVAILABLE BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS MANUFACTURER, OR THE
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND WICK CORD TRUSS COMPANY OF AMERICA, 6300
ENTERPRISE LANE, MADISON, MI 48071 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT PROVIDE 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.
DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF 2010/1604 (U.S.S.F.) ASIN 6053 GRADE 40/60 (U.S.S.F.) GALV. STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.
ALL TRUSSES SHALL BE PERMANENTLY MARKED AS OF TPI-2002 SEC.3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF THE DESIGN AND RESPONSIBILITY OF THE TRUSS COMPONENT
DESIGNER. THE SEALING OF THIS DRAWING IS THE RESPONSIBILITY OF THE TRUSS COMPONENT
DESIGNER PER ANSI/TPI 1 SEC. 2.



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



TC LL	20.0 PSF	REF R8228- 86423
TC DL	10.0 PSF	DATE 01/14/08
BC DL	10.0 PSF	DRW HCUR8228 08014073
BC LL	0.0 PSF	HC-ENG JB/AP
TOT. LD.	40.0 PSF	SEQN- 26917
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TE28228Z01

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

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 7.05
TC - From 66 PLF at 7.05 to 66 PLF at 14.09
BC - From 4 PLF at 0.00 to 4 PLF at 14.09

110 mph wind, 22.44 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. IW=1.00 GCP(+/-)=0.18

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

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

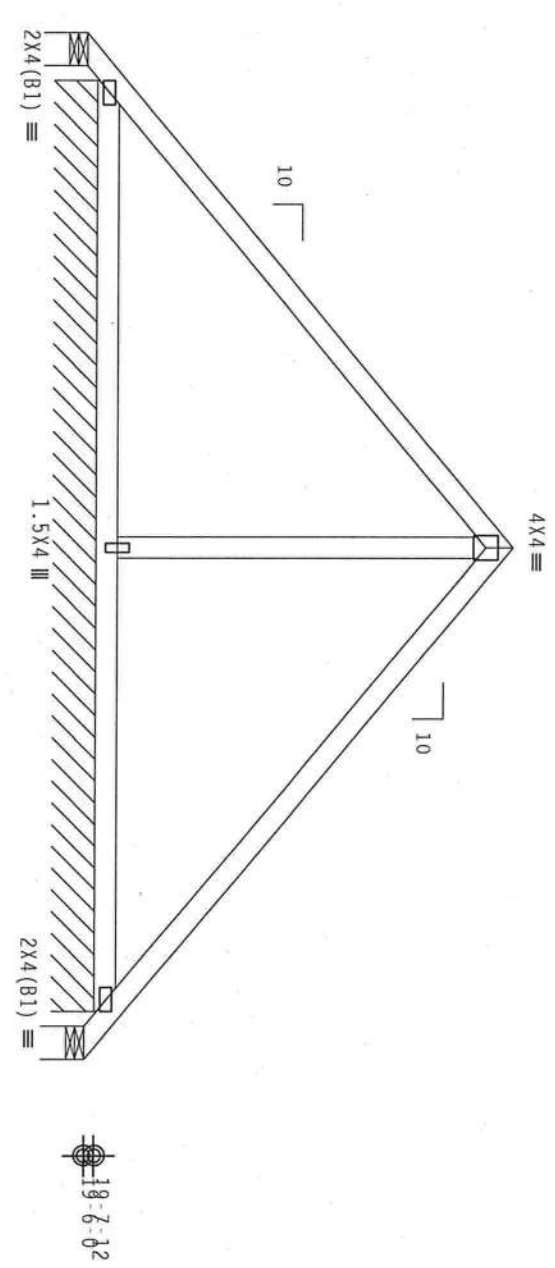
2 COMPLETE TRUSSES REQUIRED

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.

Negative reaction(s) of -248# MAX. (See below) from a non-wind load case requires uplift connection.

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.



6-4-11
6-4-11
14-1-2 over 3 Supports
R=249 R_w=255 U=306 W=5.467"
R=114 PLF U=54 PLF W=12-9-6
R=249 R_w=200 U=211 W=5.467"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424

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

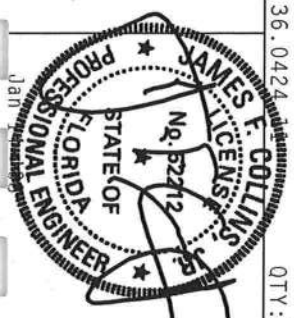
Scale =.375"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS 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 AISC NATIONAL DESIGN SPEC. (BY AISC) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2018/1604 (40/55/55) ASTM A555 GRADE 40/60 (4, 8/11/55) GALV. STEEL. APPLY AN ANGLE OF 45 DEGREES TO THE PLATE. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL 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.

ITW Building Components Group, Inc.
Haines City, FL 33844
EL Certificate of Approval #0070



TC LL	20.0 PSF	REF	R8228- 86424
TC DL	10.0 PSF	DATE	01/14/08
BC DL	10.0 PSF	DRW	HCUSR8228 08014074
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT. LD.	40.0 PSF	SEQN-	26921
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1TE28228Z01

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 CLIB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE.
FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE
BRACING.

WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	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 ENGINEERS SEALED DESIGN.

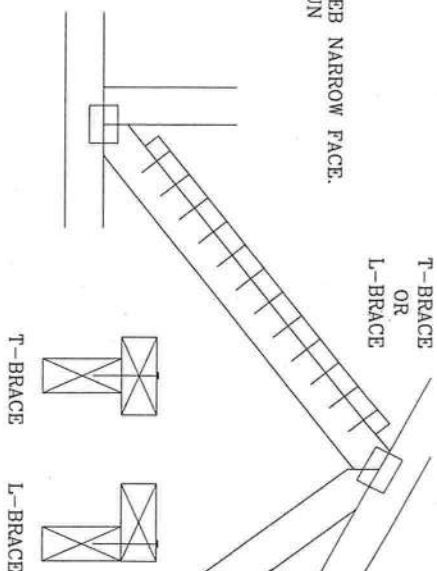
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.



ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

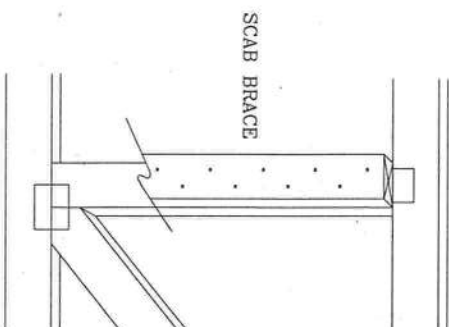
T-BRACING
OR
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 10d BOX OR GUN
(0.128 x 3. .MIN) NAILS.
AT 6" O.C. BRACE IS A
MINIMUM 80% OF WEB
MEMBER LENGTH



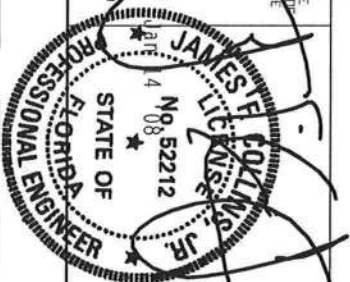
SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN
(0.128" x 3.141") NAILS.
AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH

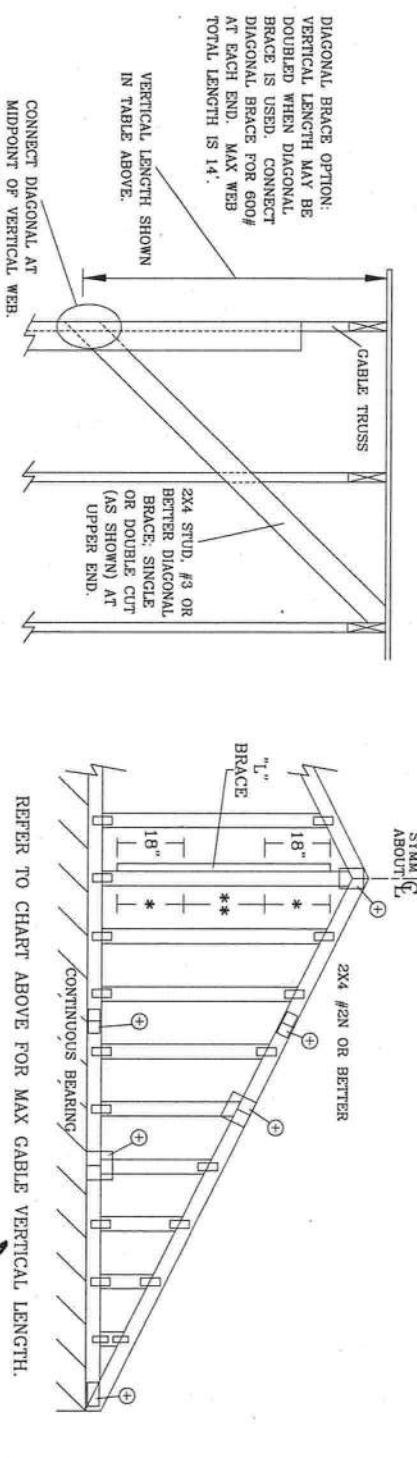


THIS DRAWING REPLACES DRAWING 579,640

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		2X4		BRACE		NO		(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	BRACES	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" O.C.	SPF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	#3	3' 9"	6' 0"	6' 0"	7' 11"	8' 1"	9' 5"	9' 8"	12' 4"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	STUD	STANDARD	3' 9"	6' 0"	6' 0"	7' 11"	8' 1"	9' 5"	9' 8"	12' 3"	12' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	#1	4' 3"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	#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"	14' 0"
16" O.C.	SPF	#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"	14' 0"
	HF	STANDARD	4' 0"	6' 1"	6' 1"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	STUD	#1 / #2	4' 5"	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"	14' 0"
	SP	#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"	14' 0"
	DFL	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"	14' 0"
24" O.C.	SPF	#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"	14' 0"	14' 0"
	HF	#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"	14' 0"	14' 0"
	STUD	STANDARD	4' 9"	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	#3	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"	14' 0"	14' 0"
	DFL	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"	14' 0"	14' 0"



BRACING GROUP SPECIES AND GRADES:	
GROUP A:	
SPRUCE-PINE-FIR	HEM-FIR
#1 / #2 STUD	#2 STUD
#3 STUD	STANDARD
DOUGLAS FIR-LARCH	
#3 STUD	#3 STUD
STANDARD	STANDARD
GROUP B:	
HEM-FIR	DOUGLAS FIR-LARCH
#1 & BTR	#1
#2	#2

GABLE TRUSS DETAIL NOTES:
LIVE LOAD DEFLECTION CRITERIA IS L/240.
PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).
GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.
ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 16" END ZONES AND 4' O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C. IN 16" END ZONES AND 6" O.C. BETWEEN ZONES.
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4
+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.	

REF	ASCE7-02-CAB11015
DATE	2/23/07
DRWG	A11015EEO207
ENG	

ALPINE

CONNECT DIAGONAL AT MIDPOINT OF VERTICAL WEB.

VERTICAL LENGTH SHOWN IN TABLE ABOVE.

DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 600# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.

2X4 STUD, #3 OR BETTER DIAGONAL BRACE, SINGLE OR DOUBLE CUT (AS SHOWN) AT UPPER END.

REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

SYMBOL ABOUT

2X4 #2N OR BETTER

CONTINUOUS BEARING

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

STATE OF FLORIDA PROFESSIONAL ENGINEER JAMES E. COLLINS JR. No. 52312

ITW BUILDING COMPONENTS GROUP, INC. POMPANO BEACH, FLORIDA

ANSI/TPI 1 SEC. 2

VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X9
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

(4) 16d COMMON (0.162" X 3.5", MIN) TOENAILS IN TOP AND BOTTOM CHORD

8d COMMON (0.131"X 2.5",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

ASCE 7-93 CABLE DETAIL DRAWINGS

A11015EN0207, A10015EN0207, A09

ASCE 7-98 GABLE DETAIL DRAWINGS

AI3015EC0207, AI2015EC0207, AI1015EC0207, A08515EC0207

AI3030EC0207, AI2030EC0207, AI1

ASCE 7-02 GABLE DETAIL DRAWINGS

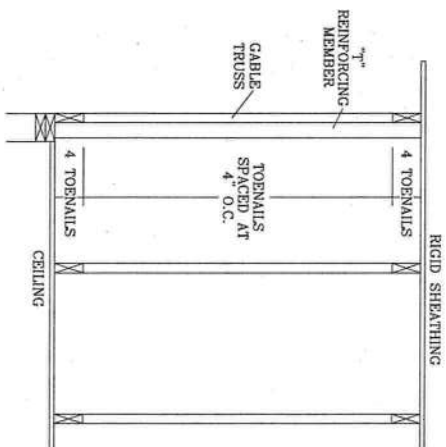
ACCEL 1-02 000000 DETAIL UICAMINOS
A13015EE0207 A12015EE0207 A11015EE0207 A10015EE0207 A08515EE0207

A13030EE0207, A12030EE0207, A11030EE0207, A10030EE0207, A08530EE0207

ASCE 7-05 CABLE DETAIL DRAWINGS

A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08515E50207,
A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08530E50207

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCS WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.



THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

TO CONVERT FROM "L" TO "W" REINFORCING MEMBERS, MULTIPLY "L" FACTOR BY LENGTH (BASED ON CABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE CABLE DETAIL, FOR ASCE OR SBCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/T BRACE

WIND SPEED AND MPH	REINFORCING MBR. SIZE	SBCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT

GABLE VERTICAL = 24 O.C. SP #3

$$T^{10} \text{ BRACE INCREASE (FROM ABOVE)} = 10\% = 1.10$$

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

MAXIMUM "T" REINFORCED CABLE VERTICAL LENGTH

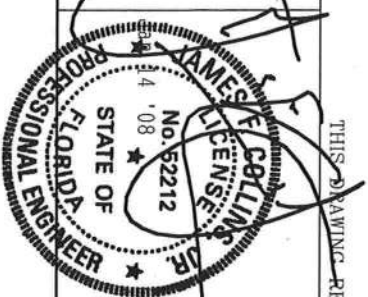
$$1.10 \times 6' 7'' = 7' 3''$$


ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

WARNING THESE REQUIRE EXTREME CARE FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22304 AND VITA CORDI TRUSS COMPANY, 6300 ENTERPRISE LN, WAUWATON, WI 53791 FOR SAFETY PRACTICES PERTAIN TO PERFORMING THIS PROCESS CORRECTLY INDICATED. THE CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR: TUL BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN DECISION CONFORMANCE WITH APPLICABLE PROVISIONS OF NON CONSULTANT DESIGN SPEC. BY AIRP&D AND TPI.

TPI BEG CONNECTOR PLATES ARE MADE OF 201/19624 (A/H)SS304 ASH 165 GRADE 40/60 (A/H)SS304 (TYPICAL). ALL WELDS SHALL BE DONE BY CERTIFIED WELDERS. THE WELDED JOINT LOCATIONS ON THE TOP ANGLE 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 TPI/TPI 1 SEC. 2.



MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF	LET-IN	VERT
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100	100	100

DATE 2/23/07

DRWG GBLLETIN0207

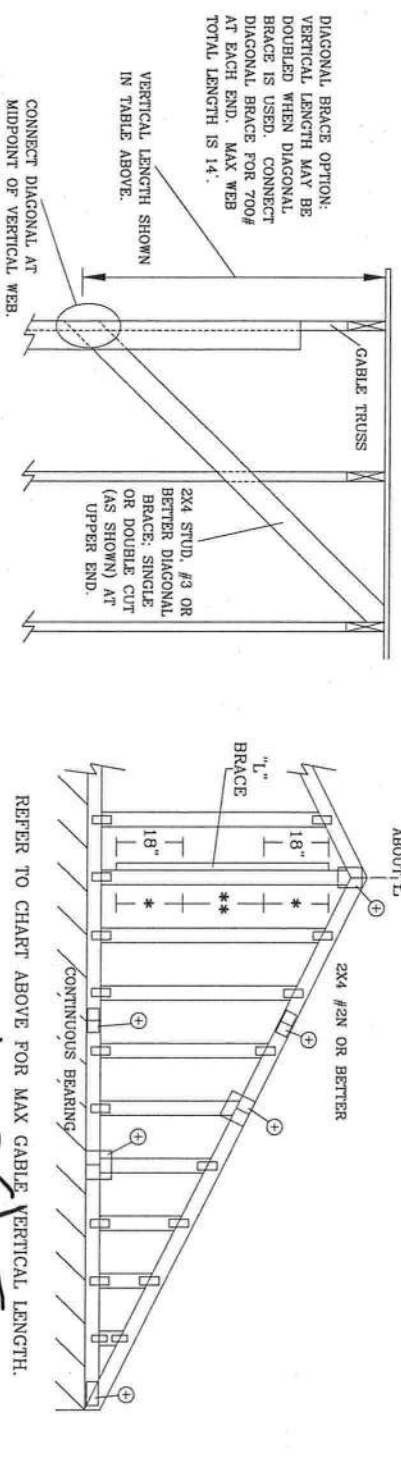
-ENG DLJ/KAH

2x4 GABLE VERTICAL		BRACE		NO		(1) 1x4 "L" BRACE *		(1) 2x4 "L" BRACE *		(2) 2x4 "L" BRACE *		(1) 2x6 "L" BRACE *		(2) 2x6 "L" BRACE *	
SPACING	SPECIES	GRADE	BRACES	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" O.C.	SPF	#1 / #2	STUD	3' 8"	5' 5"	6' 4"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"	14' 0"
				3' 7"	5' 5"	5' 5"	7' 1"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"	14' 0"
				3' 7"	5' 5"	5' 5"	7' 1"	7' 1"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"	14' 0"
				3' 7"	5' 5"	5' 5"	7' 1"	7' 1"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"	14' 0"
				3' 7"	5' 5"	5' 5"	7' 1"	7' 1"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"	14' 0"
16" O.C.	SPF	#1 / #2	STUD	4' 2"	5' 10"	6' 4"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"	14' 0"
				4' 1"	5' 8"	6' 0"	7' 2"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"	14' 0"
				4' 1"	5' 8"	6' 0"	7' 2"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"	14' 0"
				4' 1"	5' 8"	6' 0"	7' 2"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"	14' 0"
				4' 1"	5' 8"	6' 0"	7' 2"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"	14' 0"
24" O.C.	SPF	#1 / #2	STUD	4' 2"	5' 10"	6' 4"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"	14' 0"
				4' 1"	5' 8"	6' 0"	7' 2"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"	14' 0"
				4' 1"	5' 8"	6' 0"	7' 2"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"	14' 0"
				4' 1"	5' 8"	6' 0"	7' 2"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"	14' 0"
				4' 1"	5' 8"	6' 0"	7' 2"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"	14' 0"

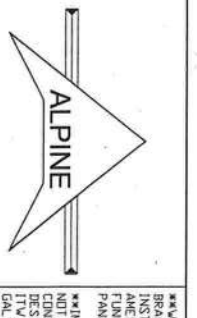
BRACING GROUP SPECIES AND GRADES:	
GROUP A:	
SPRUCE-PINE-FIR	HEM-FIR
#1 / #2 STUD	#2 STUD
#3 STUD	#3 STANDARD
DOUGLAS FIR-LARCH	
#1 STUD	#2 STUD
#3 STANDARD	#3 STANDARD
GROUP B:	
HEM-FIR	DOUGLAS FIR-LARCH
#1 & BTR	#1
#2	#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.
PROVIDE UPLIFT CONNECTIONS FOR 100 PLF OVER CONTINUOUS BEARING (5 PSF TO DEAD LOAD).
GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.
ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2' 0".
IN 18" END ZONES AND 4' 0" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3' 0".
IN 18" END ZONES AND 6' 0" O.C. BETWEEN ZONES.
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.



CABLE 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.	



DIAGONAL BRACE OPTION:
VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 700# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.
VERTICAL LENGTH SHOWN IN TABLE ABOVE.
CONNECT DIAGONAL AT MIDPOINT OF VERTICAL WEB.

REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

REF	ASCET-02-GAB11030
DATE	2/23/07
DRWG	A11030E0207
ENG	



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

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

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

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

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

PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS AND SECURED WITH 2x4 #3 GRADE SCAB (1 SIDE ONLY) ATTACHED WITH 10d COMMON NAILS AT 4" O.C.

FLAT TOP CHORD ≤ 30

FLAT TC BRACING PER ENGINEER'S SEALED DESIGN

CAP TRUSS JOINED TO TOP CHORD BRACING AND SECURED WITH 3X8 TRUSS 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 1607L FOR TRUSS 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.

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

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

THIS DRAWING REPLACES DRAWINGS 581,670 & 961,860



ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

****WARNING**** THESE REDUCE EXTREME CARE FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DECI BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI CROSS PLATE INSTITUTE, 218 NORTH LEE STE., SUITE 312, ALEXANDRIA, VA 22314-09 AND WICA CLOUD TRUSS COMPANY, 6300 ENTERPRISE LN, MAINTON, NV 55719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THE PANELS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUTS, PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ILL BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, INSTALLING & BRACING OF TRUSSES. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. BY AREA AND U.S. BCG CONNECTER PLATES ARE MADE OF 2018/1624 US/MS/AS 4130 46X53 GRADE 40/60 US/MS/AS 4130 DESIGN POSITION PER DRAWING 1624. PLACE ANCHORS AND BOLTS AS SHOWN ON THIS PER ANNEK A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER MSW/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

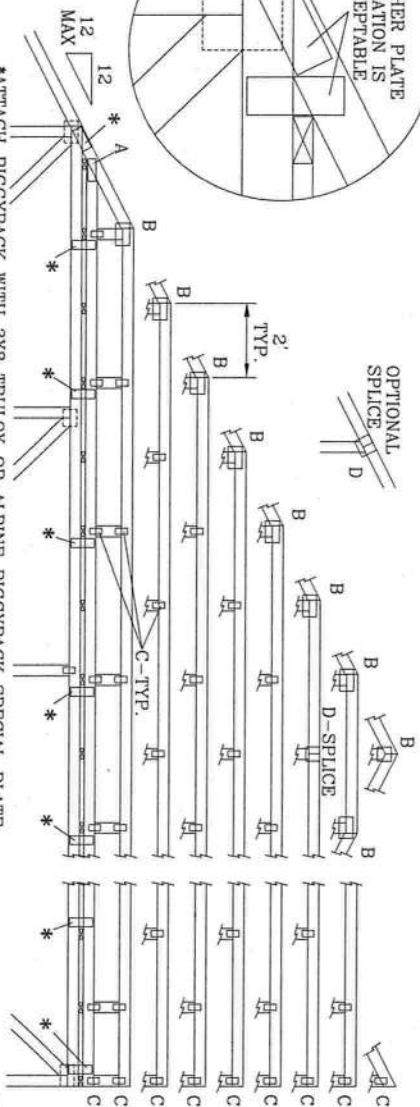
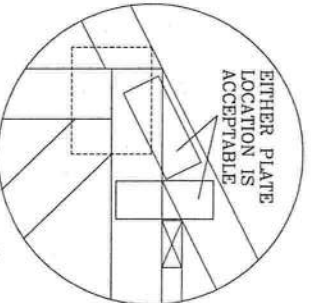
SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

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

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

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

Diagram illustrating a 20' flat top chord with a maximum span. The chord is supported by two vertical posts. The top chord is labeled "20' FLAT TOP CHORD MAX SPAN". The maximum size of the chord is indicated as "MAX SIZE OF 2X12". The spacing between the posts is labeled "LONG AS BOTH SIDES ARE SPACED 4' OC MAX.".



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

THIS DRAWING REPLACES DRAWINGS 634 016 634 017 & 847 045

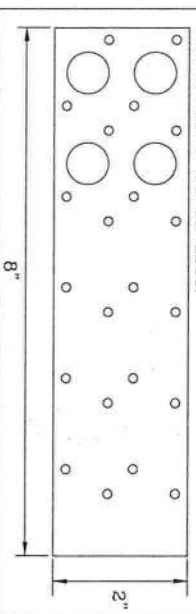
(4) 6d BOX (0.099" X 2", MIN) NAILS.

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

ATTACH TRULOX PLATES WITH (8) 0.120" X 1.375" NAILS OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

WEB BRACING CHART	
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.

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



* PIGGYBACK SPECIAL. PLATE

MAX LOADING

1.33 DUR. FAC.

1.25 DUR. FAC.

1.15 DUR. FAC.

SPACING	24.0"
---------	-------

REF H

DATE 2/23/07

DRWG: PIGBACKB0207

-ENG DLJ/KAF

[illegible]

100

1000

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER

26710

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 09-45-16-02821-000

TTO: 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): 945 S.W. Mount Carmel Ave LC FL 32024

a) Street (Job) Address: _____

2. General description of improvements: _____

3. Owner Information

a) Name and address: NICK KAVANTINOSb) Name and address of fee simple titleholder (if other than owner) 178 SW ANN DL LAKE CITY, FLc) Interest in property 100% 32024

4. Contractor Information

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

5. Surety Information

a) Name and address: NAb) Amount of Bond: NA

c) Telephone No.: _____

6. Lender

a) Name and address: NA

b) Phone No.: _____

Inst: 200812008964 Date: 5/7/2008 Time: 12:51 PM

34 DC, P. DeWitt Cason, Columbia County Page 1 of 1 B: 1149 P: 2393

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: NA

b) Telephone No.: _____

Fax No. (Opt.) _____

8. In addition to himself, owner designates the following person to receive a copy of the Lender's Notice as provided in Section 713.13(1)(b) Florida Statutes:

a) Name and address: NA

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

10.

Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager

NICK KAVANTINOS

Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 7th day of May, 2008, by:Nick Karantinos

as

owner

(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

Susan M. Christopel

Notary Stamp or Seal:



—AND—

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

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

Nick Karantinos

Residential System Sizing Calculation

Summary

Karantinos Residence
Troy Road
, FL

Project Title:
712101WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

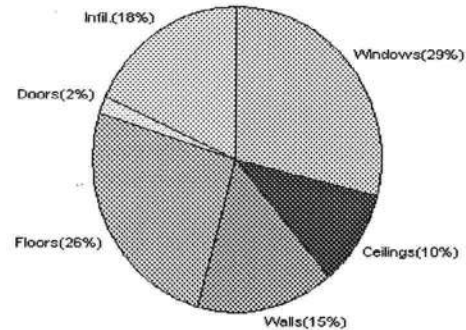
1/15/2008

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	42780 Btuh	Total cooling load calculation	40089 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	116.9 50000	Sensible (SHR = 0.75)	107.5 37500
Heat Pump + Auxiliary(0.0kW)	116.9 50000	Latent	240.8 12500
		Total (Electric Heat Pump)	124.7 50000

WINTER CALCULATIONS

Winter Heating Load (for 3004 sqft)

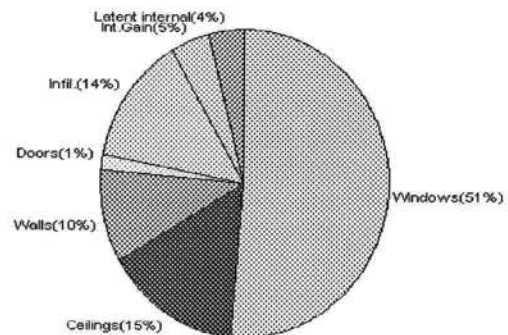
Load component		Load	
Window total	386 sqft	12425	Btuh
Wall total	1995 sqft	6552	Btuh
Door total	60 sqft	777	Btuh
Ceiling total	3672 sqft	4327	Btuh
Floor total	252 sqft	11002	Btuh
Infiltration	190 cfm	7697	Btuh
Duct loss		0	Btuh
Subtotal		42780	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		42780	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 3004 sqft)

Load component		Load	
Window total	386 sqft	20589	Btuh
Wall total	1995 sqft	3970	Btuh
Door total	60 sqft	588	Btuh
Ceiling total	3672 sqft	6081	Btuh
Floor total		0	Btuh
Infiltration	98 cfm	1829	Btuh
Internal gain		1840	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		34897	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		3592	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1600	Btuh
Total latent gain		5192	Btuh
TOTAL HEAT GAIN		40089	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *[Signature]*

DATE: 1-15-08

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Karantinos Residence
Troy Road
, FL

Project Title:
712101WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

1/15/2008

Component Loads for Whole House						
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	60.0		32.2	1931 Btuh
2	2, Clear, Metal, 0.87	NW	15.0		32.2	483 Btuh
3	2, Clear, Metal, 0.87	NW	25.0		32.2	805 Btuh
4	2, Clear, Metal, 0.87	NW	20.0		32.2	644 Btuh
5	2, Clear, Metal, 0.87	W	15.0		32.2	483 Btuh
6	2, Clear, Metal, 0.87	NW	20.0		32.2	644 Btuh
7	2, Clear, Metal, 0.87	N	15.0		32.2	483 Btuh
8	2, Clear, Metal, 0.87	SW	30.0		32.2	966 Btuh
9	2, Clear, Metal, 0.87	NE	15.0		32.2	483 Btuh
10	2, Clear, Metal, 0.87	NE	16.0		32.2	515 Btuh
11	2, Clear, Metal, 0.87	SE	60.0		32.2	1931 Btuh
12	2, Clear, Metal, 0.87	SW	15.0		32.2	483 Btuh
13	2, Clear, Metal, 0.87	SW	30.0		32.2	966 Btuh
14	2, Clear, Metal, 0.87	SW	20.0		32.2	644 Btuh
15	2, Clear, Metal, 0.87	SE	30.0		32.2	966 Btuh
Window Total			386(sqft)			12425 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1664		3.3	5465 Btuh
2	Frame - Wood - Adj(0.09)	13.0	331		3.3	1087 Btuh
Wall Total			1995			6552 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		20		12.9	259 Btuh
Door Total			60			777Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	3672		1.2	4327 Btuh
Ceiling Total			3672			4327Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	252.0	ft(p)	43.7	11002 Btuh
Floor Total			252			11002 Btuh
Zone Envelope Subtotal:						35083 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		
	Natural	0.58	19656	190.0		7697 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					42780 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Karantinos Residence
Troy Road
, FL

Project Title:
712101WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

1/15/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	42780 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	42780 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

Karantinos Residence
Troy Road
, FL

Project Title:
712101WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

1/15/2008

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	60.0		32.2	1931 Btuh
2	2, Clear, Metal, 0.87	NW	15.0		32.2	483 Btuh
3	2, Clear, Metal, 0.87	NW	25.0		32.2	805 Btuh
4	2, Clear, Metal, 0.87	NW	20.0		32.2	644 Btuh
5	2, Clear, Metal, 0.87	W	15.0		32.2	483 Btuh
6	2, Clear, Metal, 0.87	NW	20.0		32.2	644 Btuh
7	2, Clear, Metal, 0.87	N	15.0		32.2	483 Btuh
8	2, Clear, Metal, 0.87	SW	30.0		32.2	966 Btuh
9	2, Clear, Metal, 0.87	NE	15.0		32.2	483 Btuh
10	2, Clear, Metal, 0.87	NE	16.0		32.2	515 Btuh
11	2, Clear, Metal, 0.87	SE	60.0		32.2	1931 Btuh
12	2, Clear, Metal, 0.87	SW	15.0		32.2	483 Btuh
13	2, Clear, Metal, 0.87	SW	30.0		32.2	966 Btuh
14	2, Clear, Metal, 0.87	SW	20.0		32.2	644 Btuh
15	2, Clear, Metal, 0.87	SE	30.0		32.2	966 Btuh
Window Total			386(sqft)			12425 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1664		3.3	5465 Btuh
2	Frame - Wood - Adj(0.09)	13.0	331		3.3	1087 Btuh
Wall Total			1995			6552 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		20		12.9	259 Btuh
Door Total			60			777Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	3672		1.2	4327 Btuh
Ceiling Total			3672			4327Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	252.0	ft(p)	43.7	11002 Btuh
Floor Total			252			11002 Btuh
Zone Envelope Subtotal:						35083 Btuh
Infiltration	Type	ACH X	Zone Volume		CFM=	
	Natural	0.58	19656		190.0	7697 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					42780 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Karantinos Residence
Troy Road
, FL

Project Title:
712101WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

1/15/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	42780 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	42780 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

Karantinos Residence
Troy Road
, FL

Project Title:
712101WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

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

1/15/2008

Component Loads for Whole House

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	6.5ft.	60.0	0.0	60.0	29	60	3602	Btuh
2	2, Clear, 0.87, None,N,N	NW	8ft.	6.5ft.	15.0	0.0	15.0	29	60	901	Btuh
3	2, Clear, 0.87, None,N,N	NW	8ft.	6.5ft.	25.0	0.0	25.0	29	60	1501	Btuh
4	2, Clear, 0.87, None,N,N	NW	9ft.	6.5ft.	20.0	0.0	20.0	29	60	1201	Btuh
5	2, Clear, 0.87, None,N,N	W	1.5ft.	6.5ft.	15.0	0.0	15.0	29	80	1193	Btuh
6	2, Clear, 0.87, None,N,N	NW	5ft.	6.5ft.	20.0	0.0	20.0	29	60	1201	Btuh
7	2, Clear, 0.87, None,N,N	N	9ft.	6.5ft.	15.0	0.0	15.0	29	29	434	Btuh
8	2, Clear, 0.87, None,N,N	SW	1.5ft.	6.5ft.	30.0	6.1	23.9	29	63	1670	Btuh
9	2, Clear, 0.87, None,N,N	NE	1.5ft.	6.5ft.	15.0	0.0	15.0	29	60	901	Btuh
10	2, Clear, 0.87, None,N,N	NE	1.5ft.	5.5ft.	16.0	0.0	16.0	29	60	961	Btuh
11	2, Clear, 0.87, None,N,N	SE	8ft.	6.5ft.	60.0	60.0	0.0	29	63	1738	Btuh
12	2, Clear, 0.87, None,N,N	SW	1.5ft.	6.5ft.	15.0	3.1	11.9	29	63	835	Btuh
13	2, Clear, 0.87, None,N,N	SW	1.5ft.	6.5ft.	30.0	6.1	23.9	29	63	1670	Btuh
14	2, Clear, 0.87, None,N,N	SW	1.5ft.	6.5ft.	20.0	4.1	15.9	29	63	1113	Btuh
15	2, Clear, 0.87, None,N,N	SE	1.5ft.	6.5ft.	30.0	6.1	23.9	29	63	1670	Btuh
Window Total					386 (sqft)					20589 Btuh	
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load			
1	Frame - Wood - Ext	13.0/0.09		1664.0		2.1		3471 Btuh			
2	Frame - Wood - Adj	13.0/0.09		331.0		1.5		499 Btuh			
Wall Total					1995 (sqft)			3970 Btuh			
Doors	Type			Area (sqft)		HTM		Load			
1	Insulated - Adjacent			20.0		9.8		196 Btuh			
2	Insulated - Exterior			20.0		9.8		196 Btuh			
3	Insulated - Exterior			20.0		9.8		196 Btuh			
Door Total					60 (sqft)			588 Btuh			
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load			
1	Vented Attic/DarkShingle	30.0		3672.0		1.7		6081 Btuh			
Ceiling Total					3672 (sqft)			6081 Btuh			
Floors	Type	R-Value		Size		HTM		Load			
1	Slab On Grade	0.0		252 (ft(p))		0.0		0 Btuh			
Floor Total					252.0 (sqft)			0 Btuh			
Zone Envelope Subtotal:										31228 Btuh	
Infiltration	Type	ACH		Volume(cuft)		CFM=		Load			
	SensibleNatural	0.30		19656		98.3		1829 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										34897 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Karantinos Residence
Troy Road
, FL

Project Title:
712101WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

1/15/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	34897 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	34897 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	34897 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3592 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	5192 Btuh
	TOTAL GAIN	40089 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

Karantinos Residence
Troy Road
, FL

Project Title:
712101WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

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

1/15/2008

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	6.5ft.	60.0	0.0	60.0	29	60	3602	Btuh
2	2, Clear, 0.87, None,N,N	NW	8ft.	6.5ft.	15.0	0.0	15.0	29	60	901	Btuh
3	2, Clear, 0.87, None,N,N	NW	8ft.	6.5ft.	25.0	0.0	25.0	29	60	1501	Btuh
4	2, Clear, 0.87, None,N,N	NW	9ft.	6.5ft.	20.0	0.0	20.0	29	60	1201	Btuh
5	2, Clear, 0.87, None,N,N	W	1.5ft.	6.5ft.	15.0	0.0	15.0	29	80	1193	Btuh
6	2, Clear, 0.87, None,N,N	NW	5ft.	6.5ft.	20.0	0.0	20.0	29	60	1201	Btuh
7	2, Clear, 0.87, None,N,N	N	9ft.	6.5ft.	15.0	0.0	15.0	29	29	434	Btuh
8	2, Clear, 0.87, None,N,N	SW	1.5ft.	6.5ft.	30.0	6.1	23.9	29	63	1670	Btuh
9	2, Clear, 0.87, None,N,N	NE	1.5ft.	6.5ft.	15.0	0.0	15.0	29	60	901	Btuh
10	2, Clear, 0.87, None,N,N	NE	1.5ft.	5.5ft.	16.0	0.0	16.0	29	60	961	Btuh
11	2, Clear, 0.87, None,N,N	SE	8ft.	6.5ft.	60.0	60.0	0.0	29	63	1738	Btuh
12	2, Clear, 0.87, None,N,N	SW	1.5ft.	6.5ft.	15.0	3.1	11.9	29	63	835	Btuh
13	2, Clear, 0.87, None,N,N	SW	1.5ft.	6.5ft.	30.0	6.1	23.9	29	63	1670	Btuh
14	2, Clear, 0.87, None,N,N	SW	1.5ft.	6.5ft.	20.0	4.1	15.9	29	63	1113	Btuh
15	2, Clear, 0.87, None,N,N	SE	1.5ft.	6.5ft.	30.0	6.1	23.9	29	63	1670	Btuh
Window Total					386 (sqft)					20589 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09			1664.0			2.1		3471 Btuh	
2	Frame - Wood - Adj	13.0/0.09			331.0			1.5		499 Btuh	
Wall Total					1995 (sqft)					3970 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Adjacent				20.0			9.8		196 Btuh	
2	Insulated - Exterior				20.0			9.8		196 Btuh	
3	Insulated - Exterior				20.0			9.8		196 Btuh	
Door Total					60 (sqft)					588 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0			3672.0			1.7		6081 Btuh	
Ceiling Total					3672 (sqft)					6081 Btuh	
Floors	Type	R-Value			Size			HTM		Load	
1	Slab On Grade	0.0			252 (ft(p))			0.0		0 Btuh	
Floor Total					252.0 (sqft)					0 Btuh	
Zone Envelope Subtotal:										31228 Btuh	
Infiltration	Type	ACH			Volume(cuft)			CFM=		Load	
	SensibleNatural	0.30			19656			98.3		1829 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										34897 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Karantinos Residence
Troy Road
, FL

Project Title:
712101WadeWillisConstruction

Class 3 Rating
Registration No. 0
Climate: North

1/15/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	34897 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	34897 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	34897 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3592 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	5192 Btuh
	TOTAL GAIN	40089 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

Karantinos Residence
Troy Road
, FL

Project Title:
712101WadeWillisConstruction

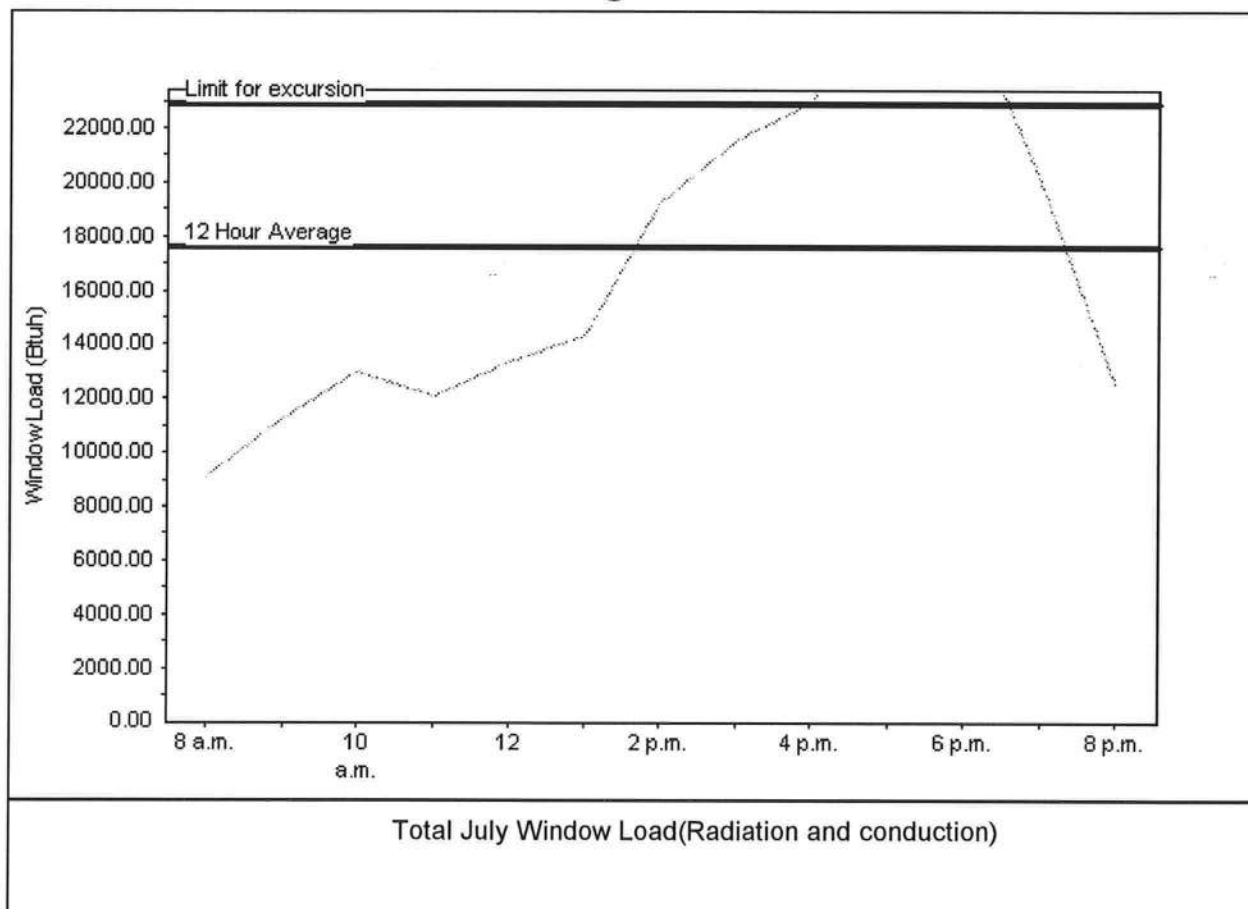
Class 3 Rating
Registration No. 0
Climate: North

1/15/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	17616 Btu
Summer setpoint	75 F	Peak window load for July	27782 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	22901 Btu
Latitude	29 North	Window excursion (July)	4880 Btuh

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: *[Signature]*

DATE: *1-15-07*

EnergyGauge® FLR2PB v4.1



PRODUCT APPROVAL SPECIFICATION SHEET

Location: 2000 E. 1st Ave. Ft. Lauderdale, FL 33304 **Project Name:** 2000 E. 1st Ave. Ft. Lauderdale, FL 33304

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	THERAMTRON	1 1/2" STEEL/WOOD upto 6 FT OPEN INCLUDES SIDELITES	01-0828,08
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	CAPITAL + BETTER BUILT. MI Products	SINGLE HUNG 740, 165, 3240, 4250 Series	AAMA CERT BB-1 101/13.2.-97 CTLA-744W-B
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through	MI Products	740 165 3240 4250 Series	01-35673.05
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding (Sheer Wall)	NORBOARD	8'-9'x10' OSB WALL SHEETING WIND STORM	NER 108
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block	BARRICADE	BUILDING WRAP FED SPEC.	44 B790A
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	WOODLAND	15#, 30# FELT	ASTM D-4869
2. Underlayments			
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			

Category (only)	Manufacturer	Product Description	Approval Number(s)
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, L3TH	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 inspection.

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # (FOR STAFF USE ONLY)

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

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

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Site Plan including:</u> a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Wind-load Engineering Summary, calculations and any details required</u> Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, I_w , and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m^2) to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Elevations including:</u> a) All sides b) Roof pitch c) Overhang dimensions and detail with attic ventilation
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

d) Location, size and height above roof of chimneys.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Location and size of skylights	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Building height	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Number of stories	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Floor Plan including:		
a) Rooms labeled and dimensioned.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Shear walls identified.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (see attach forms).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Show safety glazing of glass, where required by code.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Identify egress windows in bedrooms, and size.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, (Please circle applicable type).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Must show and identify accessibility requirements (accessible bathroom)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) All posts and/or column footing including size and reinforcing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Any special support required by soil analysis such as piling	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Location of any vertical steel.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Roof System:		
a) Truss package including:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1. Truss layout and truss details signed and sealed by FL Pro. Eng.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Roof assembly (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conventional Framing Layout including:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1. Rafter size, species and spacing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Attachment to wall and uplift	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Ridge beam sized and valley framing and support details	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Roof assembly (FBC 106.1.1.2) Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wall Sections including:		
a) Masonry wall	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1. All materials making up wall	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Block size and mortar type with size and spacing of reinforcement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Lintel, tie-beam sizes and reinforcement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Cable ends with rake beams showing reinforcement or gable truss and wall bracing details	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Fire resistant construction (if required)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Fireproofing requirements	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9. Shoe type of termite treatment (termite treatment or alternative method)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Slab on grade	<input type="checkbox"/>	<input checked="" type="checkbox"/>
a. Vapor retarder (6mil Polyethylene with joints lapped 6 inches and sealed)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Must show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and supports	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. Indicate where pressure treated wood will be placed	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12. Provide insulation R value for the following:	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

b) Wood frame wall

☐

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

- c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)
- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout

- e) Wind load requirements where applicable

Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors

- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms
- h) Exhaust fans in bathroom

HVAC Information

- a) Energy Calculations (dimensions shall match plans)
- b) Manual J sizing equipment or equivalent computation
- c) Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

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

Private Potable Water

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)
4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is \$50.00
6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

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

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: ITI88228Z0309112222

Truss Fabricator: Anderson Truss Company
Job Identification: 8-009--Fill in later WADE WILLIS -- , **
Truss Count: 48
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.36, 7.37.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61615-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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

Seal Date: 06/09/2008

-Truss Design Engineer-
James F. Collins Jr.

Florida License Number: 52212

1950 Marley Drive
Haines City, FL 33844

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

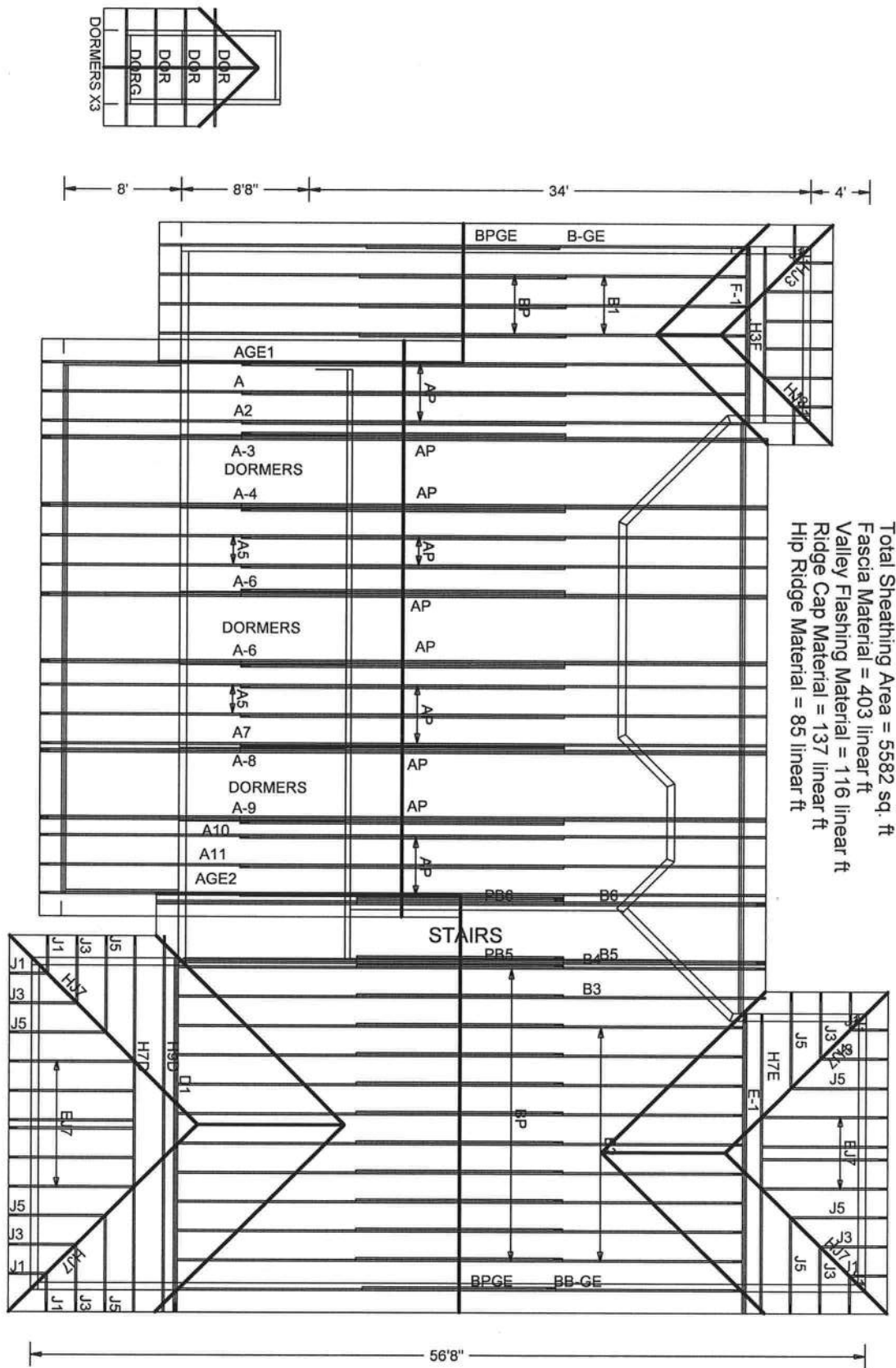
#	Ref	Description	Drawing#	Date
1	13280--A10		08161081	06/09/08
2	13281--A5		08161092	06/09/08
3	13282--A7		08161082	06/09/08
4	13283--A-9		08161087	06/09/08
5	13284--A-8		08161088	06/09/08
6	13285--A-6		08161089	06/09/08
7	13286--A11		08161085	06/09/08
8	13287--A		08161016	06/09/08
9	13288--A2		08161078	06/09/08
10	13289--A-4		08161079	06/09/08
11	13290--A-3		08161080	06/09/08
12	13291--AGE1		08161019	06/09/08
13	13292--AGE2		08161018	06/09/08
14	13293--B5		08161074	06/09/08
15	13294--B6		08161096	06/09/08
16	13295--B1		08161071	06/09/08
17	13296--B2		08161073	06/09/08
18	13297--B3		08161070	06/09/08
19	13298--B4		08161068	06/09/08
20	13299--B-GE		08161017	06/09/08
21	13300--BB-GE		08161065	06/09/08
22	13301--H7D		08161102	06/09/08
23	13302--H9D		08161060	06/09/08
24	13303--D1		08161101	06/09/08
25	13304--DOR		08161098	06/09/08
26	13305--DORG		08161067	06/09/08
27	13306--H7E		08161059	06/09/08
28	13307--E-1		08161069	06/09/08
29	13308--F-1		08161062	06/09/08
30	13309--H3F		08161061	06/09/08
31	13310--EJ3		08161064	06/09/08
32	13311--J1		08161099	06/09/08
33	13312--HJ7		08161077	06/09/08
34	13313--HJ3		08161063	06/09/08
35	13314--J3		08161095	06/09/08
36	13315--J5		08161086	06/09/08

#	Ref	Description	Drawing#	Date
37	13316--EJ7		08161076	06/09/08
38	13317--AP		08161066	06/09/08
39	13318--AP		08161090	06/09/08
40	13319--AP		08161091	06/09/08
41	13320--AP		08161093	06/09/08
42	13321--AP		08161084	06/09/08
43	13322--AP		08161083	06/09/08
44	13323--AP		08161094	06/09/08
45	13324--PB6		08161075	06/09/08
46	13325--PB5		08161097	06/09/08
47	13326--BP		08161100	06/09/08
48	13327--BPGE		08161072	06/09/08



12' 7' 14'4" 5'4" 7'2" 19'

Roof Plane Sheathing Area = 5236 sq. ft
 Gable Sheathing Area = 347 sq. ft
 Total Sheathing Area = 5582 sq. ft
 Fascia Material = 403 linear ft
 Valley Flashing Material = 116 linear ft
 Ridge Cap Material = 137 linear ft
 Hip Ridge Material = 85 linear ft



8' 8' 34' 4' 36'4" 4'4" 22'8" 56'8"

#8-009
 WADE WILLIS / KARANTINOS 1/11/08
 REVISED
 05-19-08

JOB DESCRIPTION:: Fill in later
 /: WADE WILLIS

JOB NO:
 8-009

PAGE NO:
 1 OF 1

(8-009--F111 in later MADE WILLIS --, ** - A5)

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense :B2, B4 2x4 SP #2 Dense:
:B3, B5 2x10 SP #1 Dense:
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 14-8-0 to 31-8-0.

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

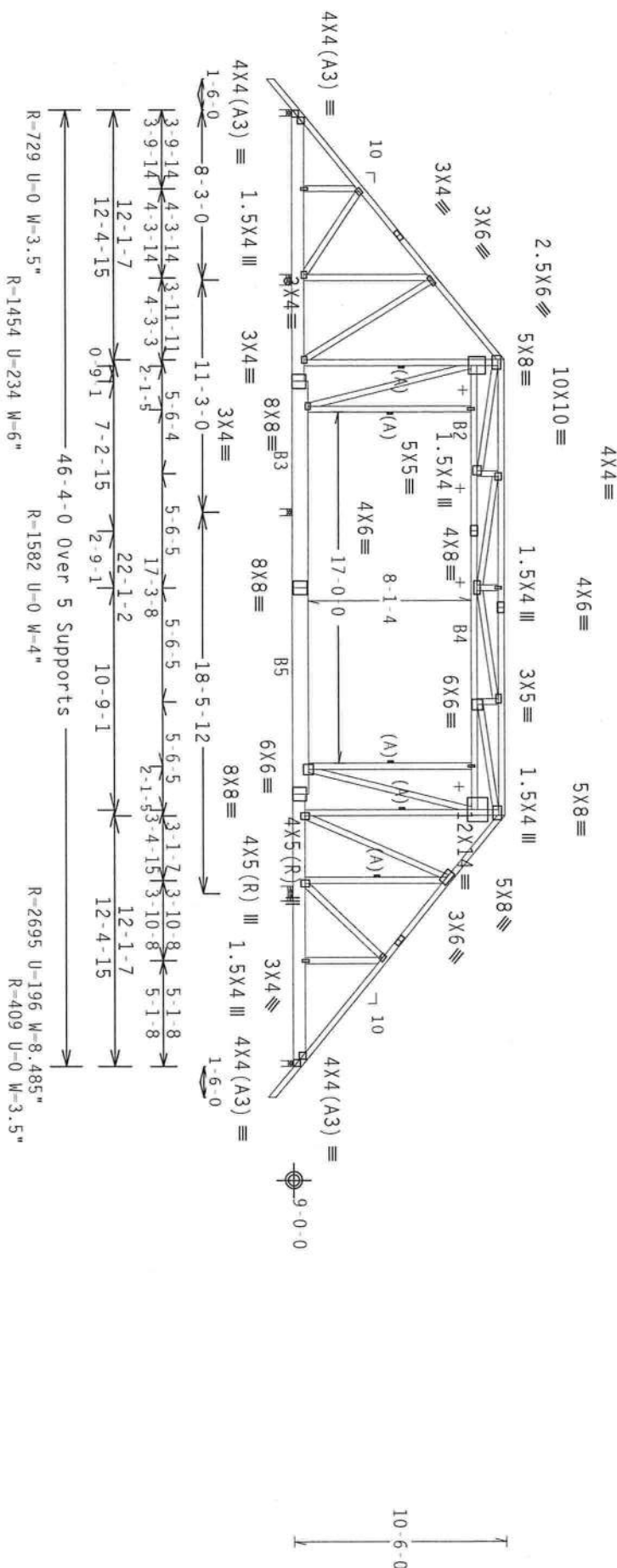
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCPI(+/-)-0.18

Wind reactions based on MMFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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.



PLT TYP. Wave

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

7.36.0424.12

QTY:1

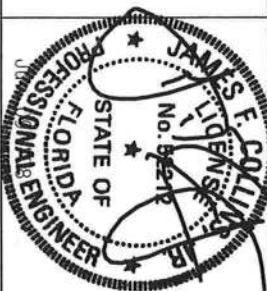
FL/-/4/-/-/R/-

Scale = .125"/ft.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. FOR STEEL AND TPI. THE REC. 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 TRUSSES. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEA 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 SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228-13281
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08161092
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	87308
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T188228203

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCPI (+/-) -0.18

Wind reactions based on MFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

+ Collar tie braced with continuous lateral bracing at 24" OC. on rigid ceiling.

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

Factor for dead load is 1.50.



Scale = .125" / Ft.

ITW Building Components Group Inc

TC LL	20.0 PSF	REF	R8228- 13282
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08161082
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	87303
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T188228Z03

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

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

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

**Negative reaction(s) of -133# MAX. (See below) from a non-wind load case requires uplift connection. THE BUILDING DESIGNER MUST APPROVE OF THIS REACTION AND BEARING CONDITION.

THE BUILDING DESIGNER SHALL EVALUATE AND APPROVE LOAD MAGNITUDES AND LOCATIONS AS SHOWN ("SPECIAL LOADS"). TRUSS ENGINEER & FABRICATOR ARE NOT RESPONSIBLE FOR LOAD MAGNITUDES AND LOCATIONS.

SPECIAL LOADS

	----- (LMBR DUR.FAC.-1.25 / PLATE DUR.FAC.-1.25)	
TC - From	132 PLF at 1.50 to 132 PLF at 3.66	
TC - From	405 PLF at 3.68 to 378 PLF at 6.00	
TC - From	378 PLF at 6.00 to 329 PLF at 10.11	
TC - From	132 PLF at 10.17 to 132 PLF at 12.12	
TC - From	132 PLF at 12.12 to 132 PLF at 24.12	
TC - From	132 PLF at 24.12 to 132 PLF at 34.22	
TC - From	132 PLF at 34.22 to 132 PLF at 47.83	
TC - From	132 PLF at 47.83 to 132 PLF at 40.34	
TC - From	132 PLF at 40.34 to 40 PLF at 20.41	
TC - From	40 PLF at 20.41 to 10 PLF at 0.00	
TC - From	10 PLF at 0.00 to 40 PLF at 3.66	
TC - From	40 PLF at 3.66 to 240 PLF at 31.67	
TC - From	240 PLF at 31.67 to 40 PLF at 46.33	
TC - From	40 PLF at 46.33 to 10 PLF at 47.83	
TC - From	10 PLF at 47.83 to 324 LB Conc. Load at 14.67, 31.67	

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

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

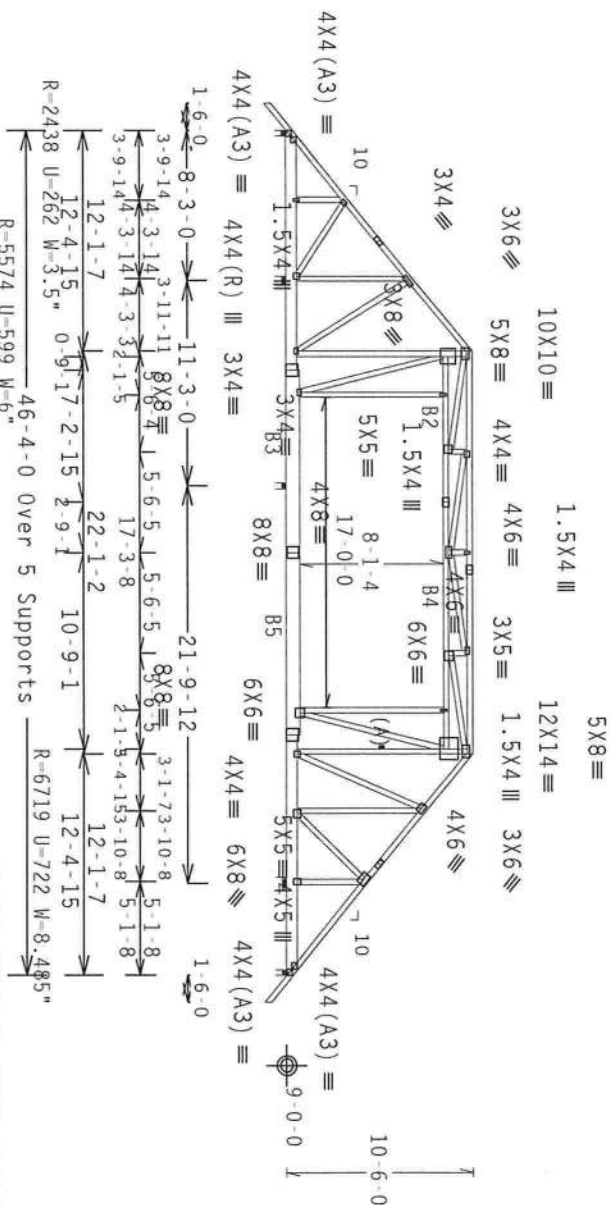
Wind reactions based on MFRS pressures.

Roof overhang supports 2.00 psf soffit load

(A) continuous lateral bracing, equally spaced on member.

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

Trusses to be spaced at 48.0" OC maximum.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.0424.12

QTY:1

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

Scale = .09375" / Ft.

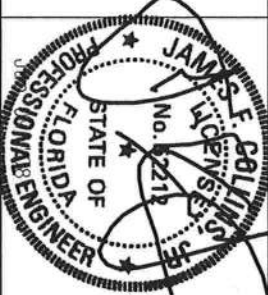
WARNING—FIRIES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO AC301 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY PCI (CONCRETE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND APCA (AMERICAN BRASS COMPANY OF AMERICA), 65000 INTERSTATE LAKE, MIDLAND, TX, 79709 FOR SAFETY PRACTICES BEFORE PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED GRID CEILING.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #027



TC LL	20.0 PSF	REF	R8228- 13283
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08161087
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	87293
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JREF-	1T18828203

2 COMPLETE TRUSSES REQUIRED

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

Top Chord: 1 Row @ 7.50" 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 B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 Gcpl (+/-) -0.18

psf. I_w^{-1} . 00 Gcpi (+/-) = 0.18

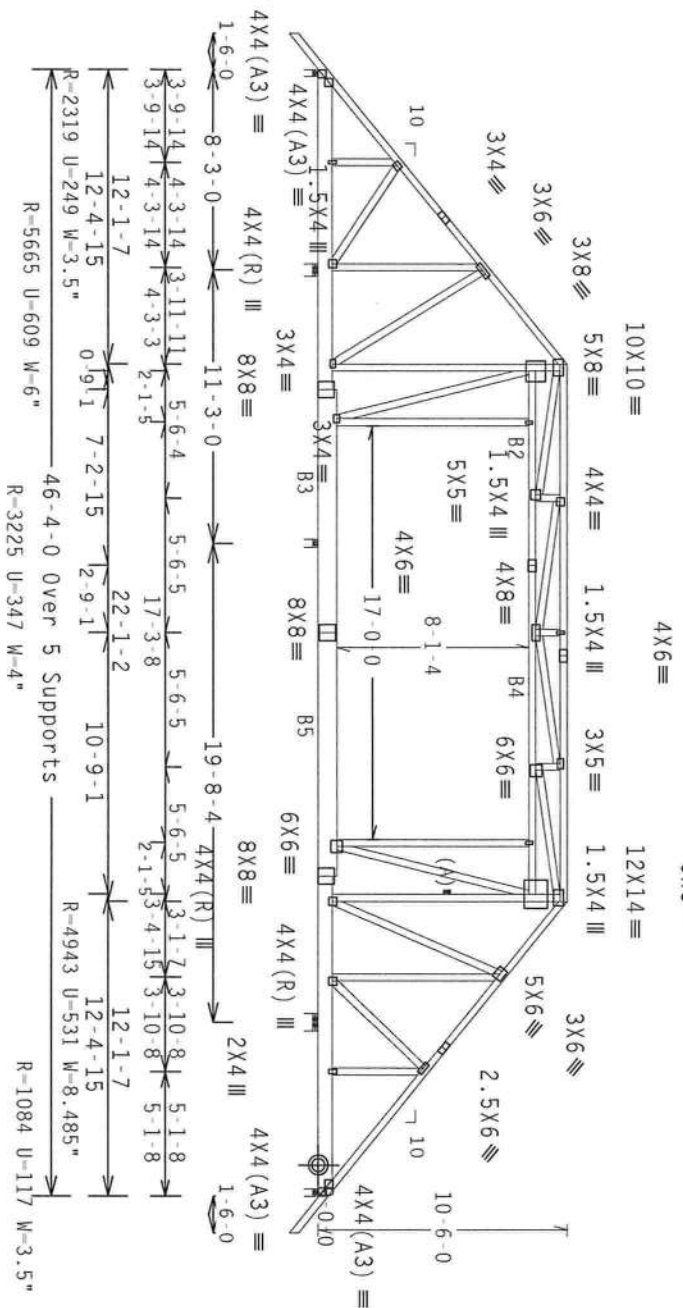
Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

(A) continuous lateral bracing, equally spaced on member.

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

In lieu of structural panels use purlins to brace TC @ 24" OC. Trusses to be spaced at 48.0" OC maximum.



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

7.36.0424.12

QTY:1

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

Scale = .125"/Ft.

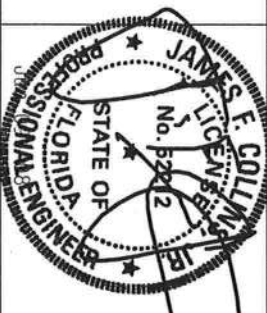
WARNING:—PANELS REQUIRING EXPIRE DATE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND PACKING MUST BE IDENTIFIED BY THE MANUFACTURER. REFER TO GC-1 (OBTAINING COMPONENT EXPIRE DATE INFORMATION). PUBLISHED BY IPT CROSS PANEL INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA, 6000 TRUSS COMPANY OF AMERICA, 65000 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRECAUTIONS PRIOR TO PERFORMING THESE FUNCTIONS. THESESS COMPONENTS INDICATED FOR GIBROD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GIBROD SHALL HAVE PROPERLY ATTACHED RIGID CLIPPING.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FLCOA #0278



TC LL	20.0 PSF	REF	R8228-13284
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08161081
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	87298
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JREF-	1T188228Z03

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

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

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

THE BUILDING DESIGNER SHALL EVALUATE AND APPROVE LOAD MAGNITUDES AND LOCATIONS AS SHOWN ("SPECIAL LOADS"). TRUSS ENGINEER & FABRICATOR ARE NOT RESPONSIBLE FOR LOAD MAGNITUDES AND LOCATIONS.

SPECIAL LOADS

	LUMBER DUR. FAC. = 1.25	PLATE DUR. FAC. = 1.25
TC - From	132 PLF at -1.50 to	132 PLF at 3.68
TC - From	405 PLF at 3.68 to	378 PLF at 6.00
TC - From	378 PLF at 6.00 to	329 PLF at 10.17
TC - From	132 PLF at 10.17 to	132 PLF at 12.12
TC - From	132 PLF at 12.12 to	132 PLF at 24.12
TC - From	132 PLF at 24.12 to	132 PLF at 34.21
TC - From	132 PLF at 34.21 to	132 PLF at 47.83
TC - From	132 PLF at 40.34 to	132 PLF at 47.83
PLT - From	40 PLF at 14.67 to	40 PLF at 20.41
PLT - From	40 PLF at 20.41 to	40 PLF at 31.67
BC - From	10 PLF at -1.50 to	10 PLF at 0.00
BC - From	40 PLF at 0.00 to	40 PLF at 3.68
BC - From	240 PLF at 3.68 to	240 PLF at 31.67
BC - From	40 PLF at 31.67 to	40 PLF at 46.33
BC - From	10 PLF at 46.33 to	10 PLF at 47.83
BC - 324 LB Conc.	Load at 14.67,	31.67

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

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

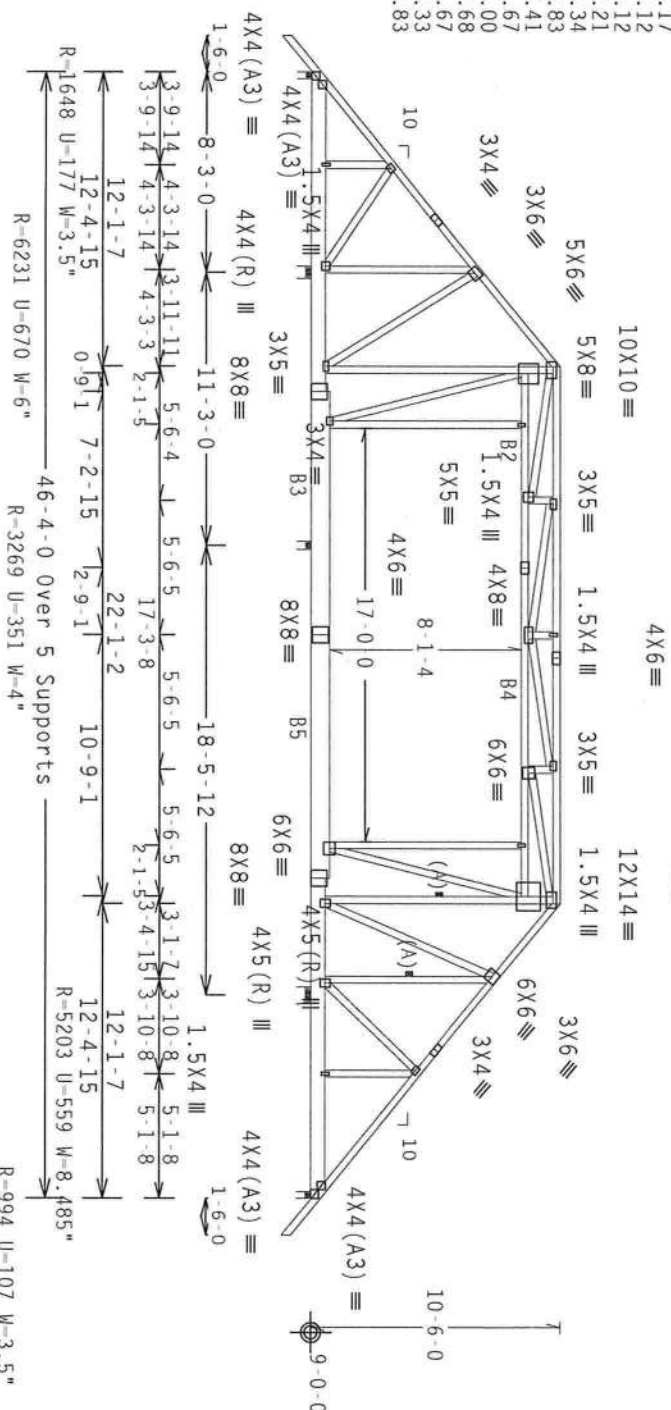
110 mph wind, 15.00 ft mean hgt., ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCp1(+/-)=-0.18

Wind reactions based on MWFRS pressures.

(A) continuous lateral bracing, equally spaced on member.

Trusses to be spaced at 48.0" OC maximum.

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



PLT TYP. Wave

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

QTY:1

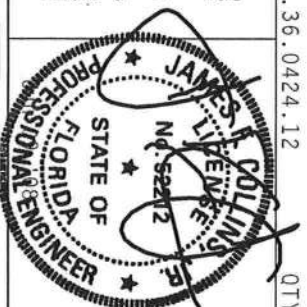
FL/-/4/-/-/R/-/

Scale = .125"/Ft.

WARNING: THESE TRUCKS REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND MAINTENANCE. REFER TO GC51 (BUILDING COMPONENT SPECIFICATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, (800) 745-0000 TRUSS COUNCIL OF AMERICA, 65000 MIDWAY, WILMINGTON, NC, 28413 (813) 799-1100 FOR SAFETY PRACTICES PERTAINING TO PERFORMING THESE FUNCTIONS. INTERSECTIONS INDICATED FOR GIRDERS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GIRDERS SHALL HAVE A PROPERLY ATTACHED GIRDLE CEILING.

****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 TPOSS IN CONFORMANCE WITH

DISEASE OR FABRICATING, INSTALLING, SHIPPING, UNLOADING OR BRACING OF THUS-
SPECIFIED COMPONENTS WITH APPLICABLE PROVISIONS OF NATIONAL DESIGN SPEC.,
CONCRETE REINFORCING STEEL BAR, AND THE REC. FOR CONSTRUCTION OF THUS-
SPECIFIED COMPONENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
CONCRETE REINFORCING STEEL BAR SHALL BE A603 GRADE 60 (60 KSI) W/ .585 STEEL. APPLY
PLATES TO EACH FACE OF THUS-AND ALL OTHERS LISTED ON THIS DECISION. POSITION PER DRAWINGS 1606-2,
AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE ENGINEER AS OF JULY-2002 SEC.3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLICIT FOR THE TUSSE COMPONENTS
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.



1 FL/-/4/-/-/R/-		Scale = .125"/Ft.
TC LL	20.0 PSF	REF R8228- 13285
TC DL	10.0 PSF	DATE 06/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08161089
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 87313
DUR.FAC.	1.25	
SPACING SEE ABOVE		JREF- 1T188228203

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

** Negative reaction(s) of -847# MAX. (See below) from a non-wind load case requires uplift connection.

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

Wind reactions based on MMFRS pressures.

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

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



Scale = .125"/Ft.

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LICENSE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

[illegible]

TC LL	20.0 PSF	REF	R8228 - 13286
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08161085
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	87282
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T188228203

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

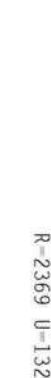
Negative reaction(s) of -185# MAX. (See below) from a non-wind load case requires uplift connection.

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

(A) Continuous lateral bracing equally spaced on member.

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.

Design Crit: $TPI-2002(STD)/FBC$
$$Cq/RT=1.00(1.25)/10(0) \quad 7.36.0424.12$$

Scale = .125"/Ft.

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JAMES L. LUCAS
No. 15222
STATE OF FLORIDA
PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF	R8228- 13287
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08161016
BC LL	0.0 PSF	HC-ENG	DLJ/DLJ
TOT.LD.	40.0 PSF	SEQN -	88494
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T188228203

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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

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

Wind reactions based on MMFRS pressures.

- + 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.



Scale = .125"/Ft.

ITW Building Components Group Inc.

Haines City, FL 33844



TC LL	20.0 PSF	REF	R8228- 13288
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCSUR8228 08161078
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEON-	87328
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T188228Z03

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense :B2, B4 2x4 SP #2 Dense:
:B3, B5 2x10 SP #1 Dense:
Webs 2x4 SP #3

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

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

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

THE BUILDING DESIGNER SHALL EVALUATE AND APPROVE LOAD MAGNITUDES AND LOCATIONS AS SHOWN ("SPECIAL LOADS"). TRUSS ENGINEER & FABRICATOR ARE NOT RESPONSIBLE FOR LOAD MAGNITUDES AND LOCATIONS.

SPECIAL LOADS

----- (LUMBER DUR.FAC. -1.25 / PLATE DUR.FAC. -1.25)
TC - From 132 PLF at -1.50 to 132 PLF at 3.68
TC - From 405 PLF at 3.68 to 378 PLF at 6.00
TC - From 378 PLF at 6.00 to 329 PLF at 10.17
TC - From 132 PLF at 10.17 to 132 PLF at 12.12
TC - From 132 PLF at 12.12 to 132 PLF at 24.12
TC - From 132 PLF at 24.12 to 132 PLF at 34.21
TC - From 132 PLF at 34.21 to 132 PLF at 40.34
TC - From 132 PLF at 40.34 to 40 PLF at 20.41
PLT - From 40 PLF at 20.41 to 40 PLF at 31.67
BC - From 10 PLF at -1.50 to 10 PLF at 0.00
BC - From 40 PLF at 0.00 to 40 PLF at 3.68
BC - From 240 PLF at 3.68 to 240 PLF at 31.67
BC - From 40 PLF at 31.67 to 40 PLF at 46.33
BC - From 10 PLF at 46.33 to 10 PLF at 47.83
BC - 324 LB Conc. Load at 14.67, 31.67

2 COMPLETE TRUSSES REQUIRED

Nailling Schedule: (10d Box or Gun (0.128"x3", min.)_nails)
Top Chord: 1 Row @ 7.50" o.c.
Bot Chord: 1 Row @ 9.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

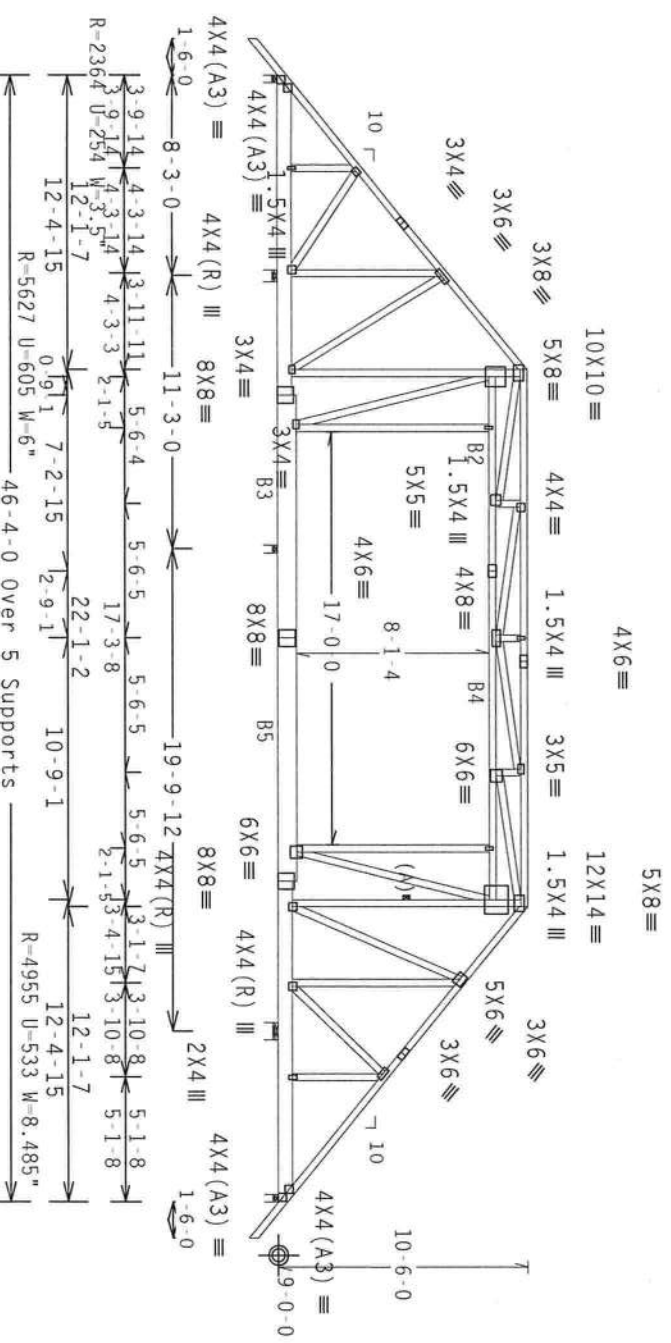
Wind reactions based on MMFRS pressures.

Roof overhang supports 2.00 psf soffit load.

(A) continuous lateral bracing, equally spaced on member.

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

Trusses to be spaced at 48.0" OC maximum.



PLT TYP. Wave

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

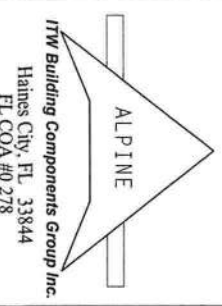
QTY:1

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

Scale = .125"/ft.
R-1073 U-115 W-3.5"

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, 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 KICA (KNOX 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. 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 BCSE (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND KICA (KNOX 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.



TC LL	20.0 PSF	REF	R8228- 13289
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08161079
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEON-	87318
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JREF-	1T188228203

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

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.
See DWGS A11015EE0207 & GBLLET1N0207 for more requirements.

(A) Continuous lateral bracing equally spaced on member.

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.

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



Scale = .125"/Ft.

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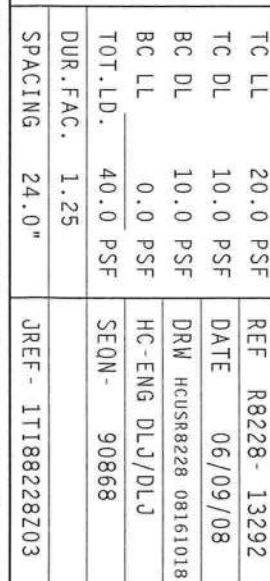
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110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 gcpi(+/-)0.18

Wind reactions based on MWFRS pressures.

SPECIAL LOADS

TC	From	142 PLF at	-1.25 to	142 PLF at	0.00
TC	From	132 PLF at	0.00 to	132 PLF at	38.33
BC	From	40 PLF at	0.00 to	40 PLF at	38.33

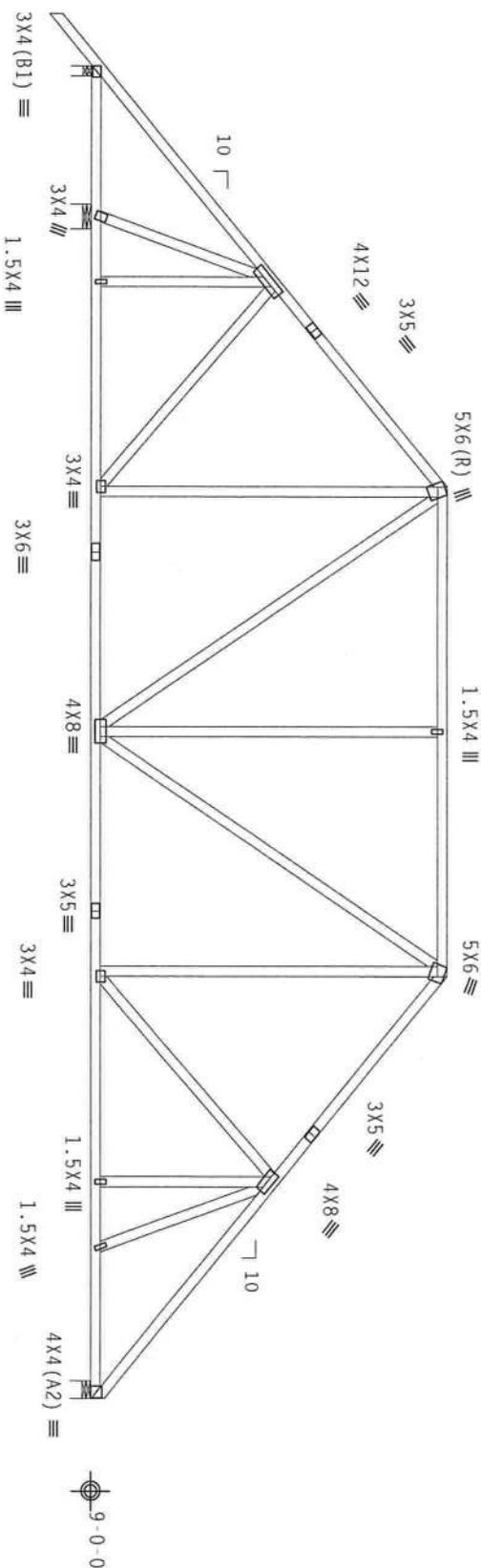
Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.))_nails)

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

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.

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


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12-1-7

14-1-2

12-1-7

R-576 U-83 W-3.5"

R-3307 U-227 W-8.485"

R-2927 U-225 W-6"

PLT TYP. Wave

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

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

7.36.0424.11

QTY:1

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

Scale = .1875"/Ft.

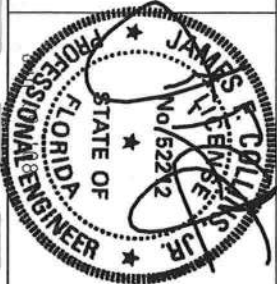
WARNING—FALLS FROM EXPOSED REINFORCING CAUSE INJURY OR DEATH. HANDLING, SHIPPING, UNLOADING AND BRACING REFER TO RCSC (REINFORCING CONCRETE SAFETY INFORMATION) PUBLISHED BY PCI (CONCRETE PASTE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND ACI (AMERICAN CONCRETE INSTITUTE), 6000 FARM ROAD, FARMINGTON, CT, 06031. REINFORCING LATHES, WELDED WIRE FABRIC, AND OTHER REINFORCING MATERIALS SHOULD BE PROPERLY STORED TO PREVENT DAMAGE TO THE MATERIALS. UNLESS OTHERWISE INDICATED TOP CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORDS SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE


ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278



TC LL	20.0 PSF	REF	R8228- 13293
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08161074
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26881
DUR.FAC.	1.25		
SPACING	48.0"	JREF-	1T188228Z03

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
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 9.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid spilling.
```

Roof overhang supports 2.00 psf soffit load.

Trusses to be spaced at 48.0" OC maximum.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 14-8-0 to 31-8-0.

 $1.5 \times 4 =$ 

7.36.0424.12

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

Scale = .1875" / Ft.



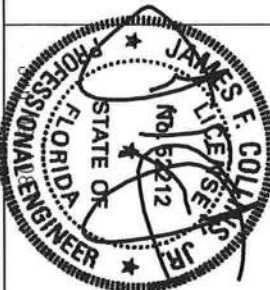
TC LL	20.0 PSF	REF	R8228 - 13294
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DBL	UNENR0328 08161000

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278



TC LL	20.0 PSF	REF	R8228- 13294
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCSR0228 08161096
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	87270
DUR.FAC.	1.25		
SPACING	48.0"	JREF-	1T188228Z03

THIS WAS PREPARED FROM COMPUTER INPUT (LUAUS & DIMENSIONS) SUBMITTED BY IKUSS MFK.

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

Wind reactions based on MWFRS pressures.

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

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

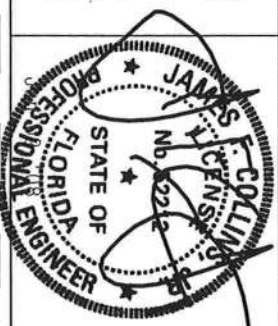


Scale = .1875"/Ft.

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

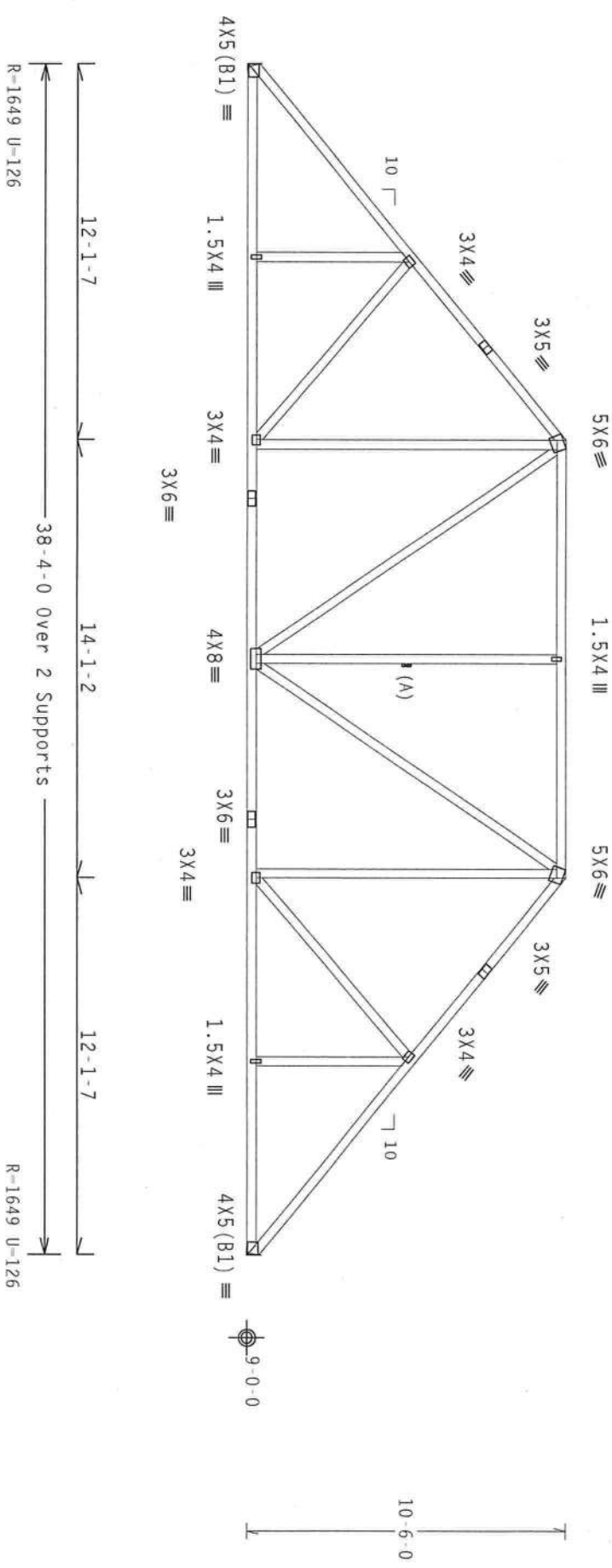


TC LL	20.0 PSF	REF	R8228- 13295
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08161071
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT.LD.	40.0 PSF	SEQN-	88378
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T188228203

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

(A) Continuous lateral bracing equally spaced on member.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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



PLT TYP. Wave

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

7.36.0424.12

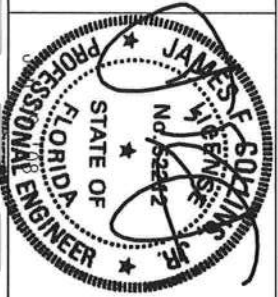
QTY:1 FL/-/4/-/-/R/-

Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, 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, 22314 AND WCA (WOOD TRUSS CONGOLETS OF AMERICA, 6300 ENTERPRISE LANE, MODISON, 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 RIDGE CEILING.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278



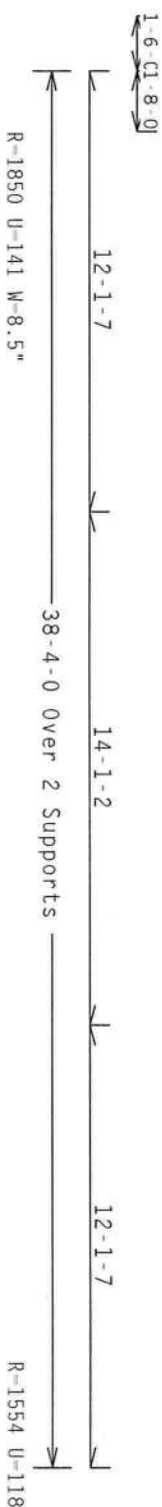
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TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08161073
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT. LD.	40.0 PSF	SEQN-	88396
DUR. FAC.	1.25		
SPACING	24.0"	JREF	1T188228Z03

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

Wind reactions based on MWFRS pressures.

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

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




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

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

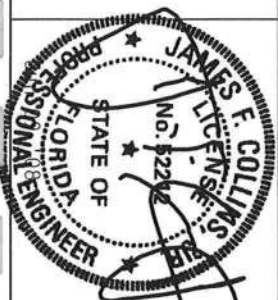
Scale = .1875"/ft.

WARNING: THESE HIGHLY EXTREME CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND OPERATING REFER TO DC51 (BUILDING COMPONENTS INFORMATION), PUBLISHED BY THE FIBRE PAPER INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND NICA (GOOD TRUSS CONSULT OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. OTHERWISE INDICATED FOR GOOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GOOD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



ALPINE

Haines City, FL 33844
FL COA #0278



TC LL	20.0 PSF	REF	R8228- 13297
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCSR8228 08161070
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT.LD.	40.0 PSF	SEQN-	88425
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T188228Z03

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

Roof overhang supports 2.00 psf soffit load.

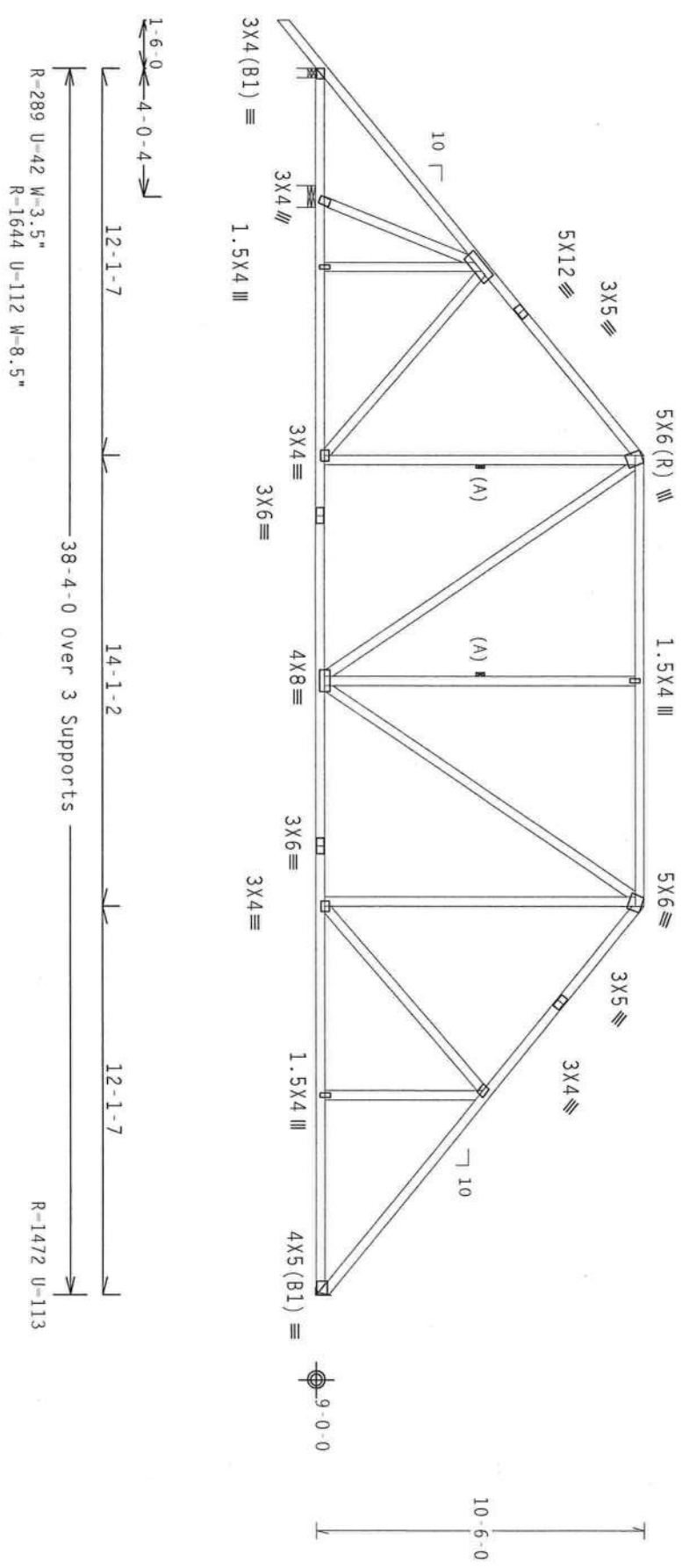
(A) Continuous lateral bracing equally spaced on member.

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, located anywhere in roof, CAT II, EXP B, 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.

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



PLT TYP. Wave

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

QTY:1

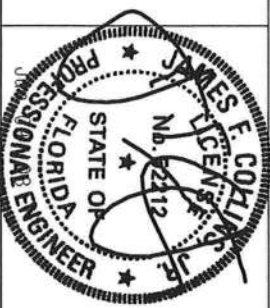
FL/-/4/-/R/-

Scale = .1875"/ft.

REF R8228-13298
DATE 06/09/08
DRW HCURS8228 08161068
HC-ENG TCE/DF
SEON- 88433

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278



TC LL	20.0 PSF	REF R8228-13298
TC DL	10.0 PSF	DATE 06/09/08
BC DL	10.0 PSF	DRW HCURS8228 08161068
BC LL	0.0 PSF	HC-ENG TCE/DF
TOT.LD.	40.0 PSF	SEON- 88433
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T188228203

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

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

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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

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

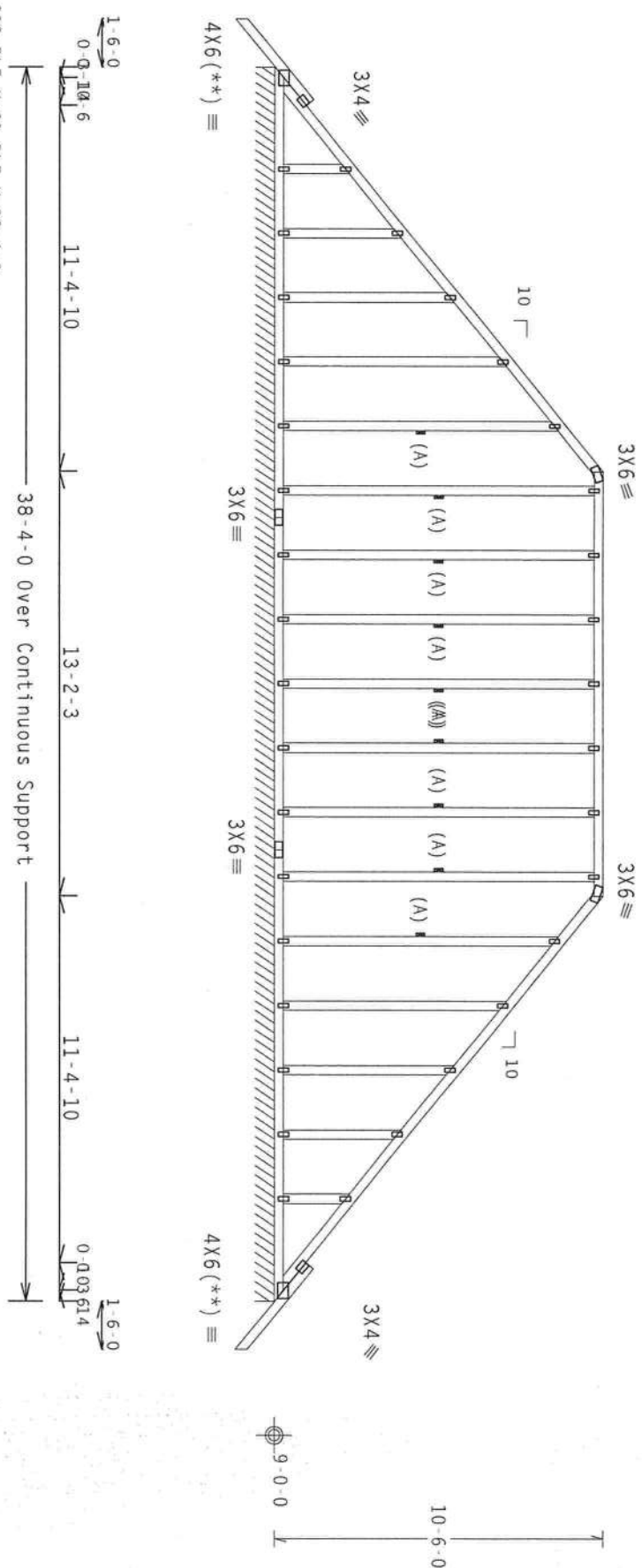
Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

(A) Continuous lateral bracing equally spaced on member.

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



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

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

7.36.0424.12

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

Scale = .1875"/ft.

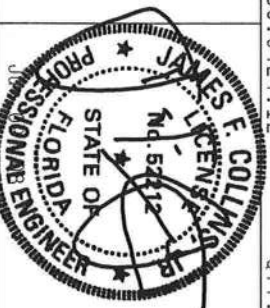
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 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 COA #0278



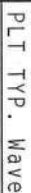
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TC DL	10.0 PSF	DATE 06/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08161017
BC LL	0.0 PSF	HC-ENG DLJ/DLJ
TOT.LD.	40.0 PSF	SEON- 88506
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1T188228203

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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

Wind reactions based on MWFRS pressures.

#1 hip supports 7-0-0 jacks with no webs.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



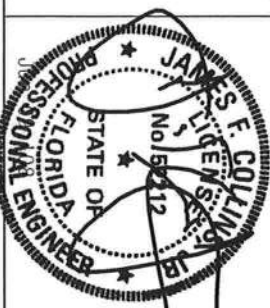
7.36.0424.12

QTY:1	FL/-/4/-/-/R/-
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Scale = .3125" / Ft.

ALPINE

ITW Building Components Group Inc
Haimes City, FL 33844
FLCOA #0 278



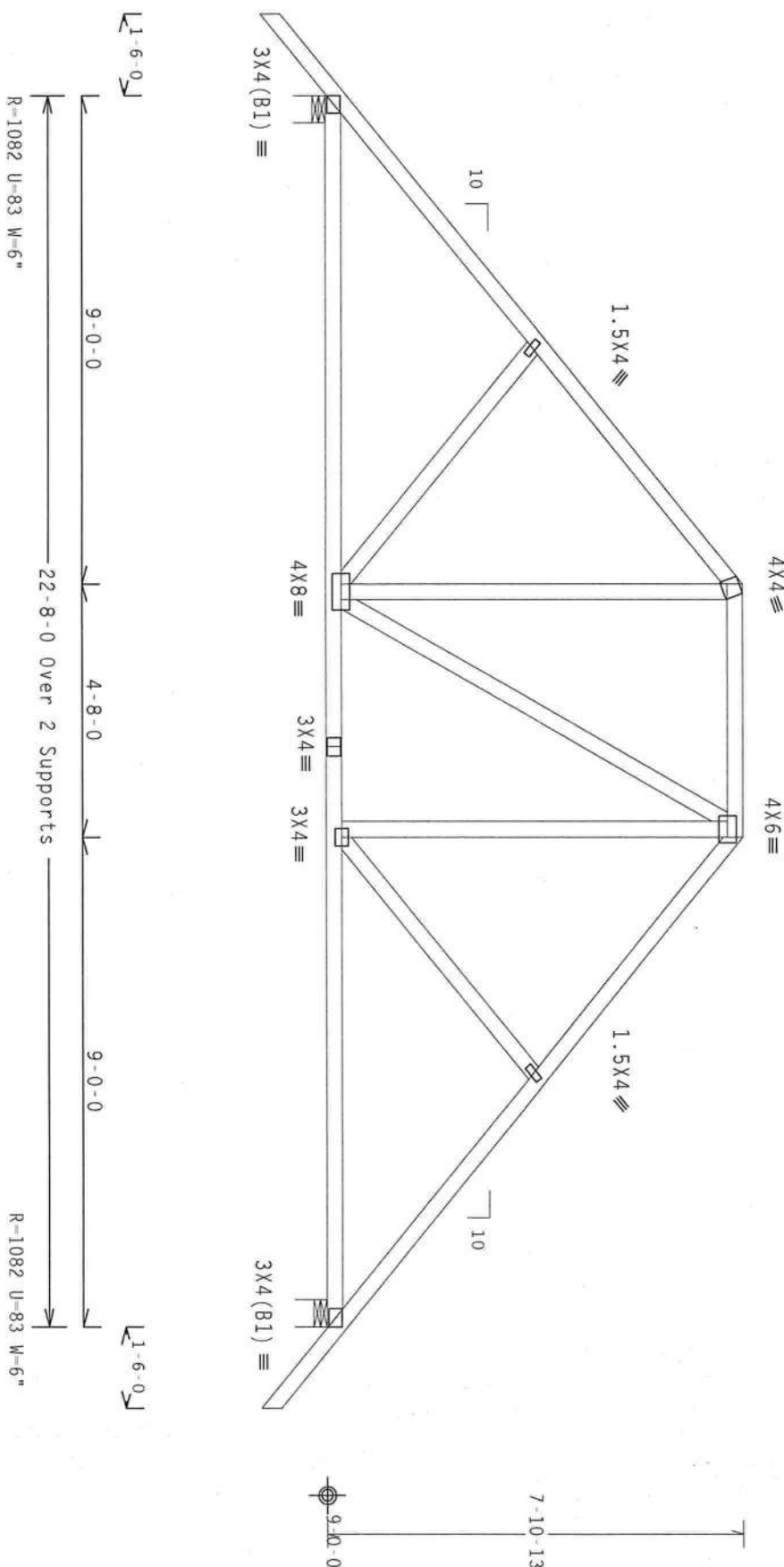
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TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08161102
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT.LD.	40.0 PSF	SEQN-	88019
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T188228203

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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

Wind reactions based on MWFRS pressures.

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

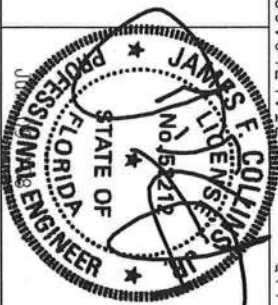


Scale = .3125"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278



TC LL	20.0 PSF	REF	R8228- 13302
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08161060
BC LL	0.0 PSF	HC-ENG	TCE/DF *
TOT.LD.	40.0 PSF	SEQN-	88024
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T188228203

2 COMPLETE TRUSSES REQUIRED

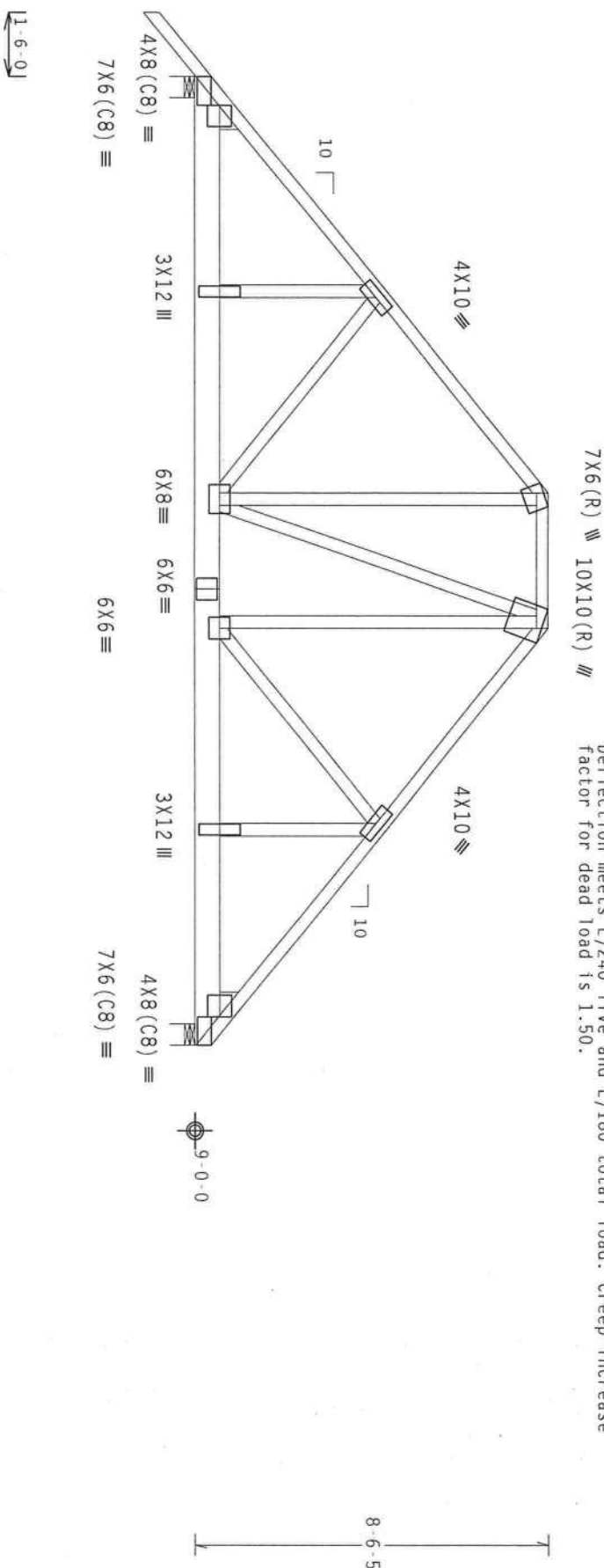
Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.)_nails)

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

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

Roof overhang supports 2.00 psf soffit load.

Girder supports 38'-4" span to BC one face and 2'-0" span to TC/BC split opposite face.



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

QTY:1

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

Scale = .25" / Ft.

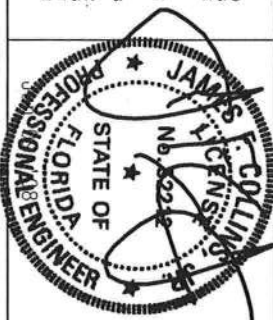
WARNING—TIMES REMOVE EXISTING CAIE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO GC51 (BUILDING COMPONENT SPECIFICATION), PUBLISHED BY TPI (TRESS PALLI INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK CORD TRESS CONSULT, OF AMERICA, 62000 CREEPSTEEL LANE, MARIETTA, GA 30159 (404) 571-9179 FOR FURTHER INFORMATION. UNDESIGNED OR UNDESIGNED INDICATED FOR 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 COA #0 278



TC LL	20.0 PSF	REF R8228- 13303
TC DL	10.0 PSF	DATE 06/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08161101
BC LL	0.0 PSF	HC-ENG TCE/DF
TOT.LD.	40.0 PSF	SEON- 88413
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1T188228Z03

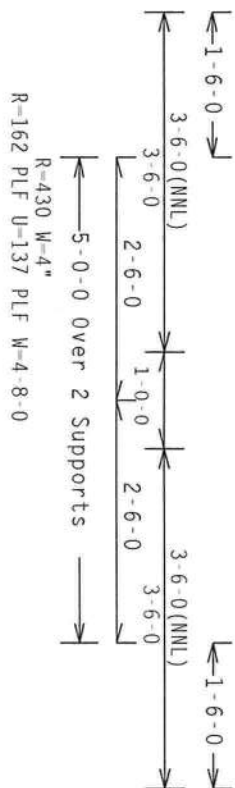
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

110 mph wind, 19.07 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1(+/-)=0.18

Wind reactions based on MAFRS pressures.

See DWGS A11030EE0207 & GBLLETIN0207 for more requirements.

Stacked top chord must NOT be notched or cut in area (NWL).
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.



Scale = .5" / Ft.

Haines City, FL 33844
FL COA #0278

1

203

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY IKUSS MTR.

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

In lieu of structural panels use purtins to brace all flat TC @ 24" OC.

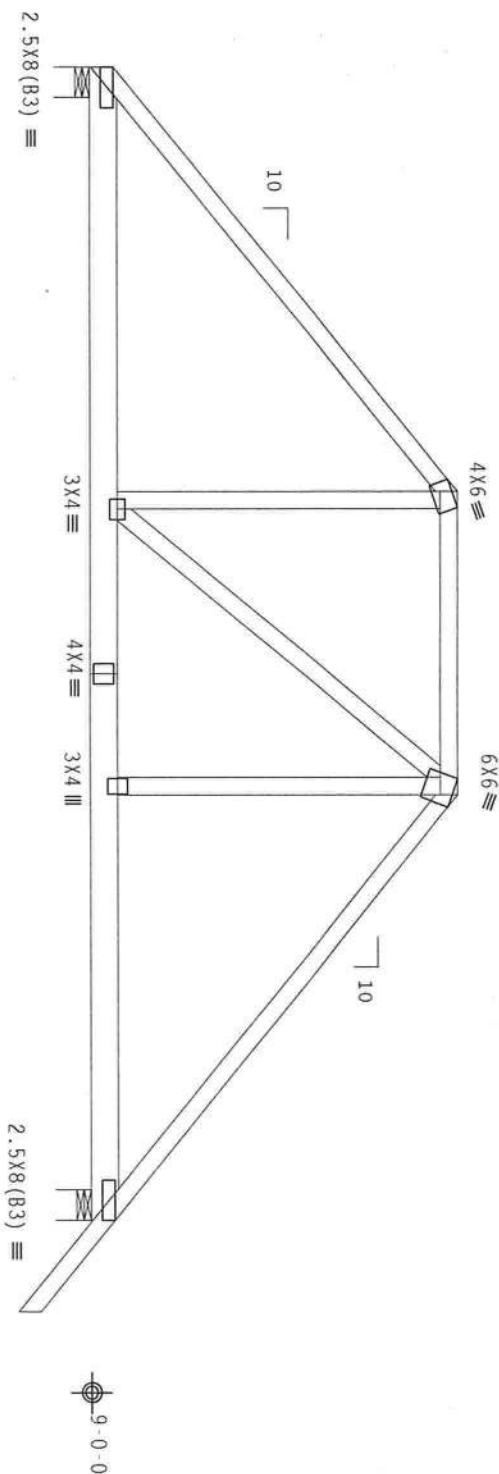
SPECIAL LOADS

----- (LUMBER

	DUR.	FAC.	-1.25 /	PLATE	DUR.	FAC.	-1.25)
TC - From	66	PLF	at	0.00	to	66	PLF at 7.00
TC - From	66	PLF	at	7.00	to	66	PLF at 12.00
TC - From	66	PLF	at	12.00	to	66	PLF at 20.50
BC - From	20	PLF	at	0.00	to	20	PLF at 19.00
BC - From	5	PLF	at	19.00	to	5	PLF at 20.50
TC -	199	LB	Conc.	Load at	7.06,	9.06,	9.94, 11.94
BC -	592	LB	Conc.	Load at	7.00,	12.00,	
BC -	82	LB	Conc.	Load at	9.06,	9.94	

#1 hip supports 7-0-0 jacks with no webs.

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

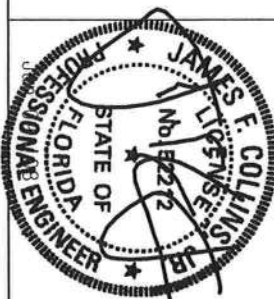


Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)

• **"WARNING"** LABELS, REQUIRED EXCEPT CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO GC-1 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TIMBER PASTE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WPCA (WOOD PRESERVATION COUNCIL OF AMERICA), INTERPRETIVE LANE, MIDDLETON, WI, 53519 FOR SAFETY PRACTICES PERTAINING TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED GRID CEILING.

ITW Building Components Group Inc

Haines City, FL 33844
FL COA #0278



FL/-/4/-/-R/-		Scale=.3125"/Ft.
TC LL	20.0 PSF	REF R8228- 13306
TC DL	10.0 PSF	DATE 06/09/08
BC DL	10.0 PSF	DRW HCU8R8228 08161059
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEON- 26742
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T188228203

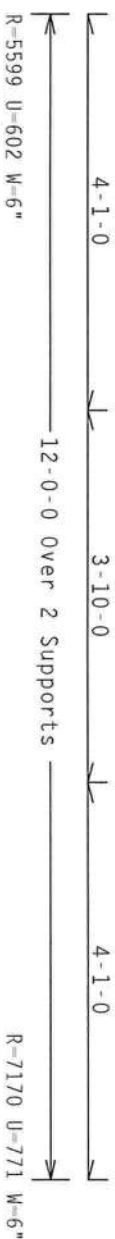
Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.)_nails)

Bot Chord: 2 Rows @ 3.00" o.c. (Each Row)

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.

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



Scale = .5" / ft.

Haines City, FL 33844
FL COA #0 278

TC LL	20.0 PSF	REF	R8228- 13308
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 081610
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT.LD.	40.0 PSF	SEQN-	88464
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T188228203

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

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

Wind reactions based on MMFRS pressures.

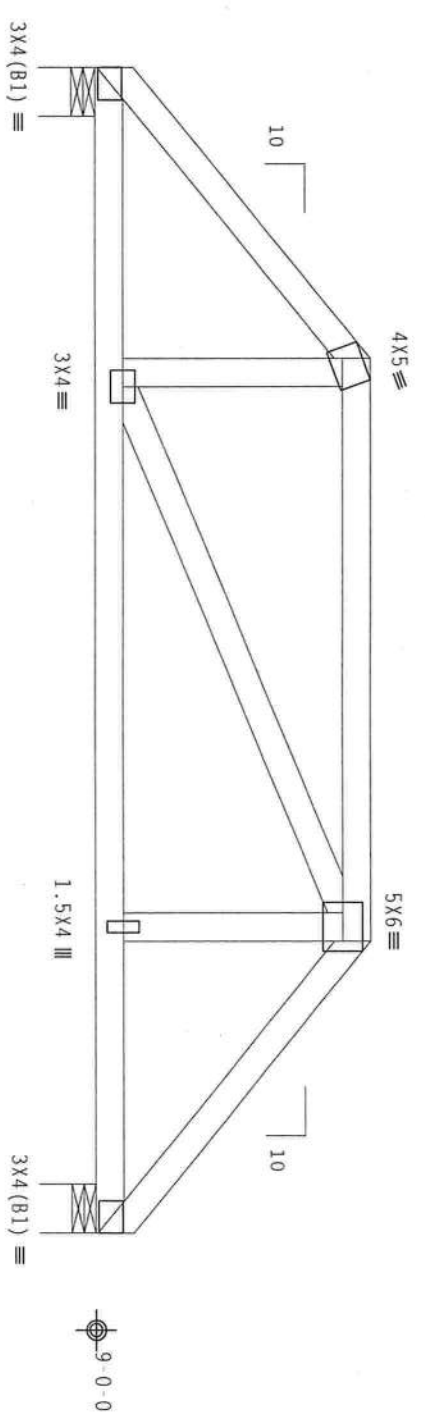
In lieu of structural panels use purlins to brace all flat TC @
24" OC.

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

SPECIAL LOADS

TC - From	DUR.FAC. = 1.25 / PLATE DUR.FAC. = 1.25
TC - From	66 PLF at 0.00 to 66 PLF at 3.00
TC - From	66 PLF at 3.00 to 66 PLF at 9.00
TC - From	66 PLF at 9.00 to 66 PLF at 12.00
BC - From	20 PLF at 0.00 to 20 PLF at 12.00
TC - 127 LB Conc.	Load at 3.06, 8.94
TC - 66 LB Conc.	Load at 5.06, 6.94
BC - 40 LB Conc.	Load at 3.06, 8.94
BC - 23 LB Conc.	Load at 5.06, 6.94

#1 hip supports 3'-0" jacks with no webs.



3'-0'-0
12'-0'-0 Over 2 Supports
3'-0'-0
R-772 U=160 W-6"
R-772 U=160 W-6"

PLT TYP. Wave

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

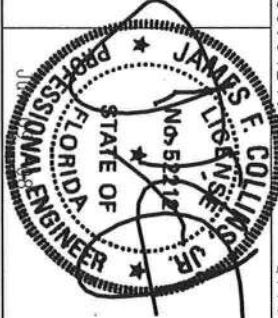
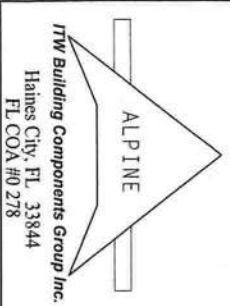
7.36.0424.11

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

Scale = .5"/ft.

****WARNING**** BRUSSES 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, 22304) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW 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 & BRACING OF BRUSSES BY ALPINE AND TPI. ITW BCS CONDUCTOR PLATES ARE MADE OF 20/19/16GA (40/55/7) ASTM A575 GRADE 40/50 OR 47H/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 (3) 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/TP1 1 SEC. 2.



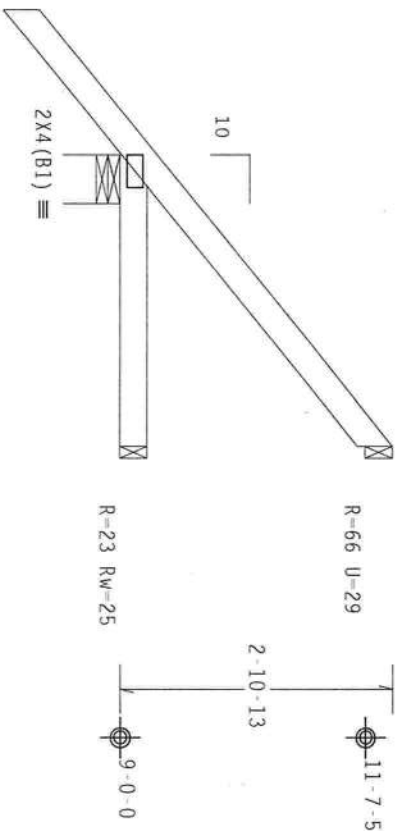
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TC DL	10.0 PSF	DATE 06/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08161061
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 26687
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T188228203

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

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 11, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf, lw=1.00 GCPI (+/-)=-0.18

Wind reactions based on MMFRS pressures.



←1-6-0→

0-3-040 Over 23 Supports
R=276 U=6 W=6"

PLT TYP. Wave

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

7.36.0424.11

QTY:1

FL/-/4/-/-/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 THE 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**** 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 THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

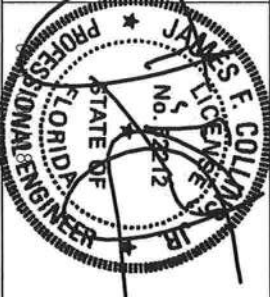
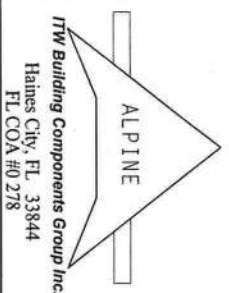
ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

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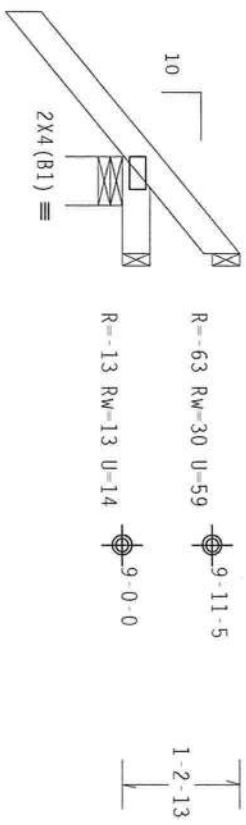
ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.



TC LL	20.0 PSF	REF	R8228-13310
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08161064
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT. LD.	40.0 PSF	SEON-	26672
DUR. FAC.	1.25		
SPACING	24.0"	JREF	1T188228Z03

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

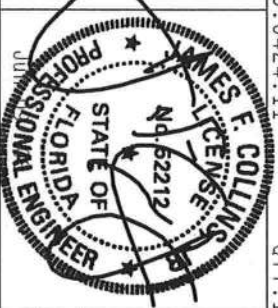
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCPI(+/-)-0.18
Wind reactions based on MMFRS pressures.



1-6-0 over 3 Supports
1-0-0 over 3 Supports
R=269 U=39 W=6"

PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC Cq/R=1.00(1.25)/10(0) 7.36.0424.11 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPMENT, INSTALLATION AND BRACING. TRUSS COMPANY SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPANY. THE TRUSS COMPANY SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPANY.

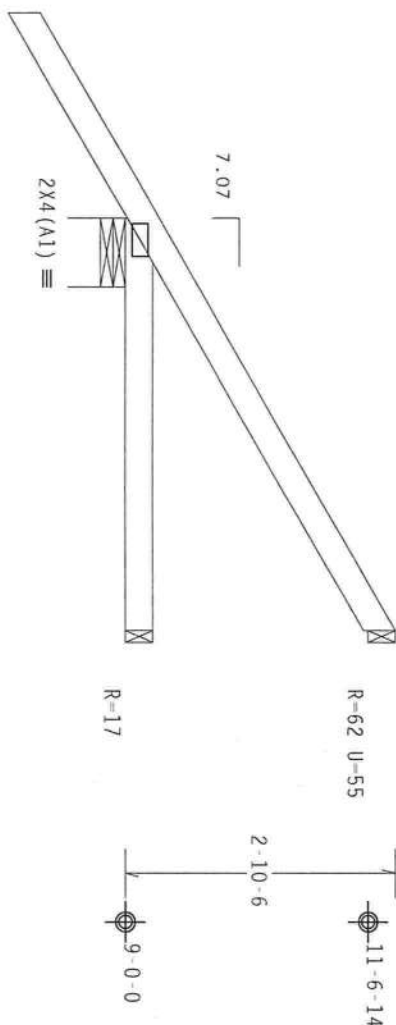


TC LL	20.0 PSF	REF R8228- 13311
TC DL	10.0 PSF	DATE 06/09/08
BC DL	10.0 PSF	DRW HCUR8228 08161099
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEON- 26677
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1T188228Z03

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf, 1w=1.00 GCPI (+/-)-0.18

Wind reactions based on MWFRS pressures.

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at -2.12 to 63 PLF at 4.24
BC - From 5 PLF at -2.12 to 5 PLF at -0.00
BC - From 20 PLF at -0.00 to 20 PLF at 4.24
TC - 127 LB Conc. Load at 1.48
BC - 26 LB Conc. Load at 1.48
Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.



← 2-1-7 →
← 4-2-15 Over 3 Supports →
R-266 U-169 W-8.485"

PLT TYP. Wave

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

7.36.0424.11

QTY: 1

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

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BCSS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2100 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.

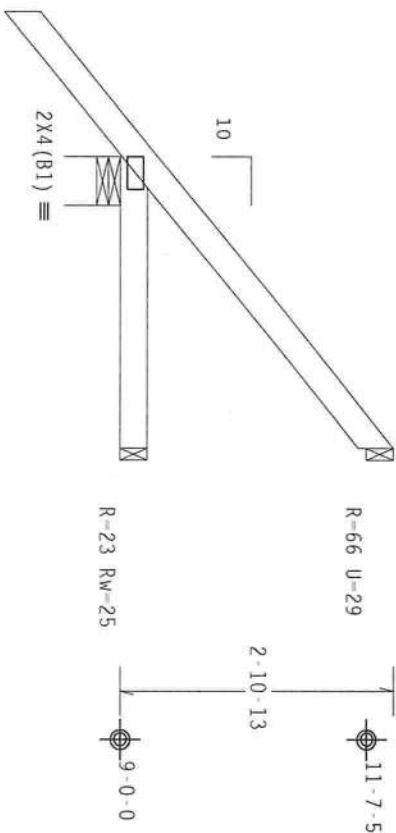
Haines City, FL 33844
FL COA #0278



TC LL	20.0 PSF	REF R8228- 13313
TC DL	10.0 PSF	DATE 06/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08161063
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN - 26683
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1T188228203

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

Wind reactions based on MIFRS pressures.



0-9-0

0-3-040 over 23 supports
R=276 U=6 W=6"

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

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

7.36.0424.11

QTY:1

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

Scale = .5" / Ft.

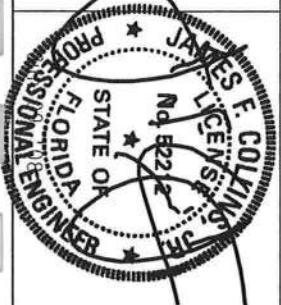
WARNING:—PRIESTS REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DC31 (BUILDING COMPONENT SAFETY INFORMATION)—PUBLISHED BY TPI (TRESS PASTOR INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND THE GOOD TRUSS COUNCIL OF AMERICA, 6100 ENTERPRISE LANE, MIDLOTHIAN, VA, 23113) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, NO 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 COA #0278



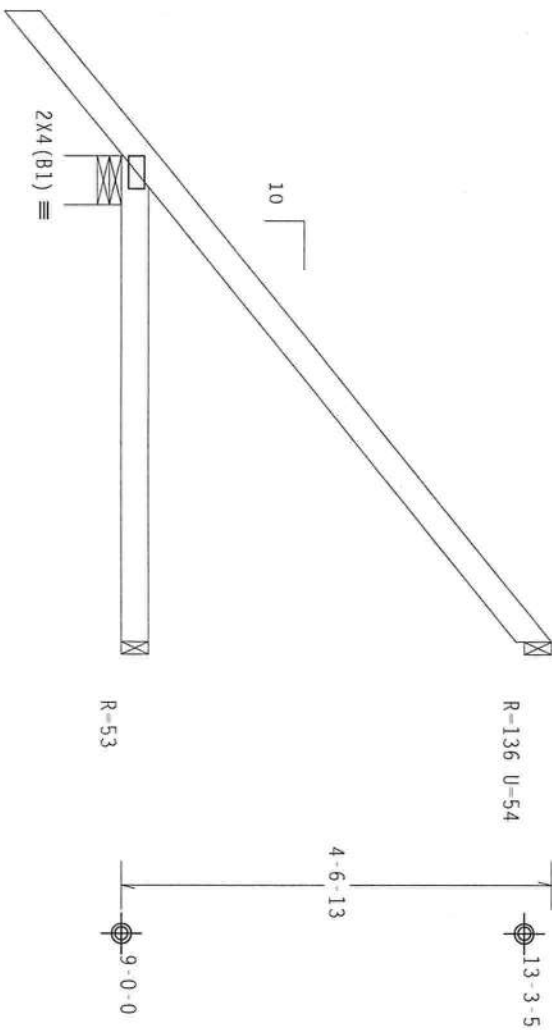
TC LL	20.0 PSF	REF	R8228- 13314
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCU8R8228 08161095
BC LL	0.0 PSF	HC-ENG JB/AP	*
TOT.LD.	40.0 PSF	SEQN-	26714
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T188228Z03

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

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

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

Wind reactions based on MMFRS pressures.



1-6-0

5-0-0
5-0-0 Over 3 Supports
R=348 W=6"

PLT TYP. Wave

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

7.36.0424.11

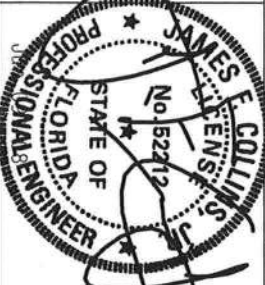
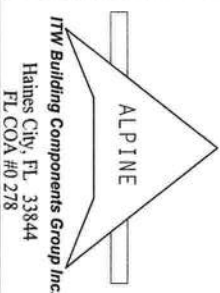
QTY:1

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

Scale = .5"/Ft.

****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, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND UTEC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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TC LL	20.0 PSF	REF R8228-13315
IC DL	10.0 PSF	DATE 06/09/08
BC DL	10.0 PSF	DRW HCUR8228 08161086
BC LL	0.0 PSF	HC-ENG JB/AP
TOT. LD.	40.0 PSF	SEQN- 26718
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1T188228Z03

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

110 mph wind, 24.10 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-2.0 psf. Iw=1.00 GCPI(+/-)-0.18

Wind reactions based on MMFRS pressures.

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

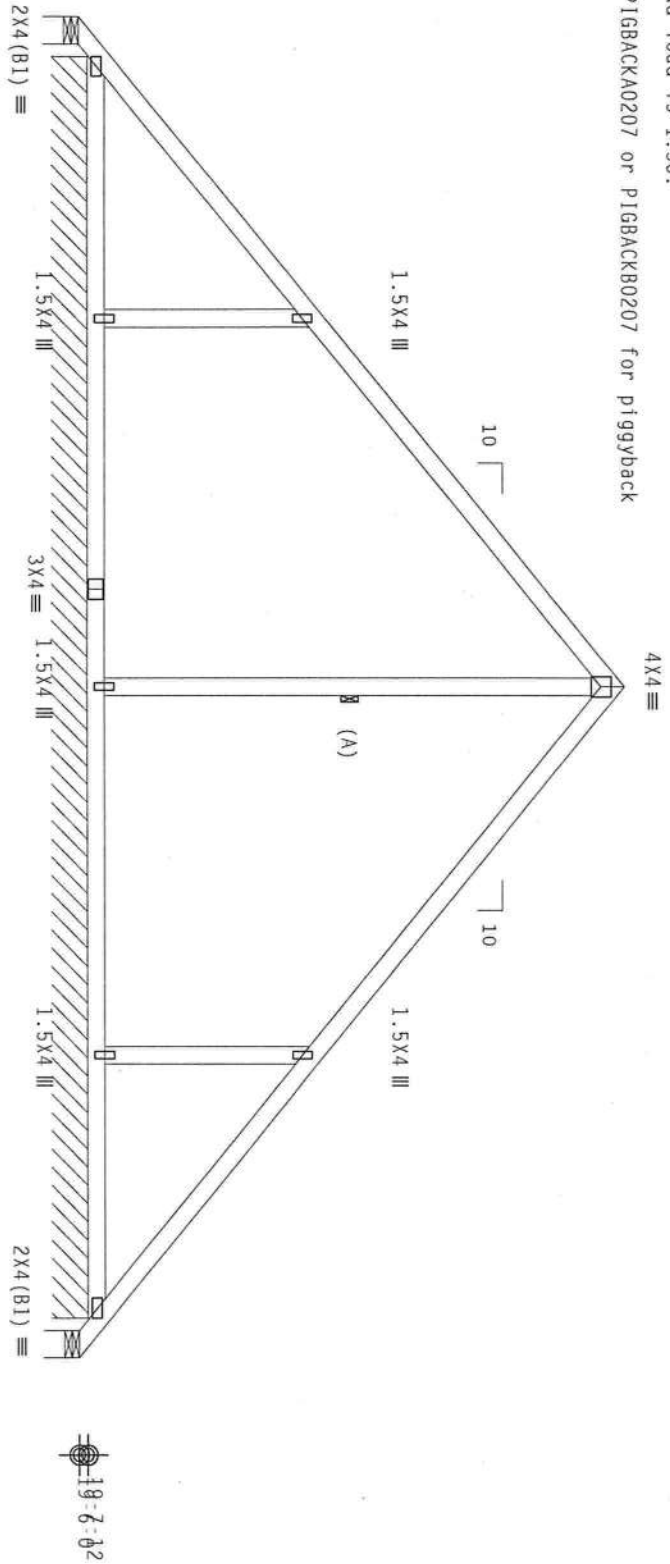
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

SPECIAL LOADS

----- (LUMBER
TC - From 66 PLF at 0.00 to 66 PLF at 11.05
TC - From 66 PLF at 11.05 to 66 PLF at 22.09
BC - From 4 PLF at 0.00 to 4 PLF at 22.09

(A) Continuous lateral bracing equally spaced on member.

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

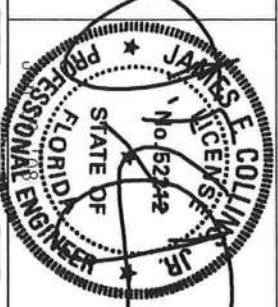
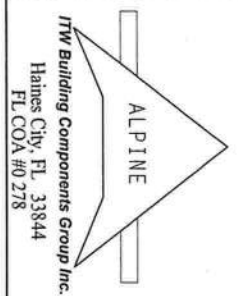


10-4-11
10-4-11
22-1-2 Over 3 Supports
10-4-11
R-30 RW-180 U-182 W-5.467"
R-76 PLF U-29 PLF W-20-9-6
R-29 RW-56 U-29 W-5.466"

PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC Cq/R=1.00(1.25)/10(0) 7.36.0424.11 QTY:1 FL/-/4/-/-/R/- Scale = .3125"/Ft.

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TC LL	20.0 PSF	REF R8228-13317
TC DL	10.0 PSF	DATE 06/09/08
BC DL	10.0 PSF	DRW HCUR8228 08161066
BC LL	0.0 PSF	HC-ENG JB/AP
TOT. LD.	40.0 PSF	SEON- 26872
DUR. FAC.	1.25	
SPACING	24.0"	JREF - 1T188228203

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

SPECIAL LOADS

TC - From 66 PLF at 0.00 to 66 PLF at 11.05
TC - From 66 PLF at 11.05 to 66 PLF at 22.09
BC - From 4 PLF at 0.00 to 4 PLF at 22.09

Wind reactions based on MMFRS pressures.

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

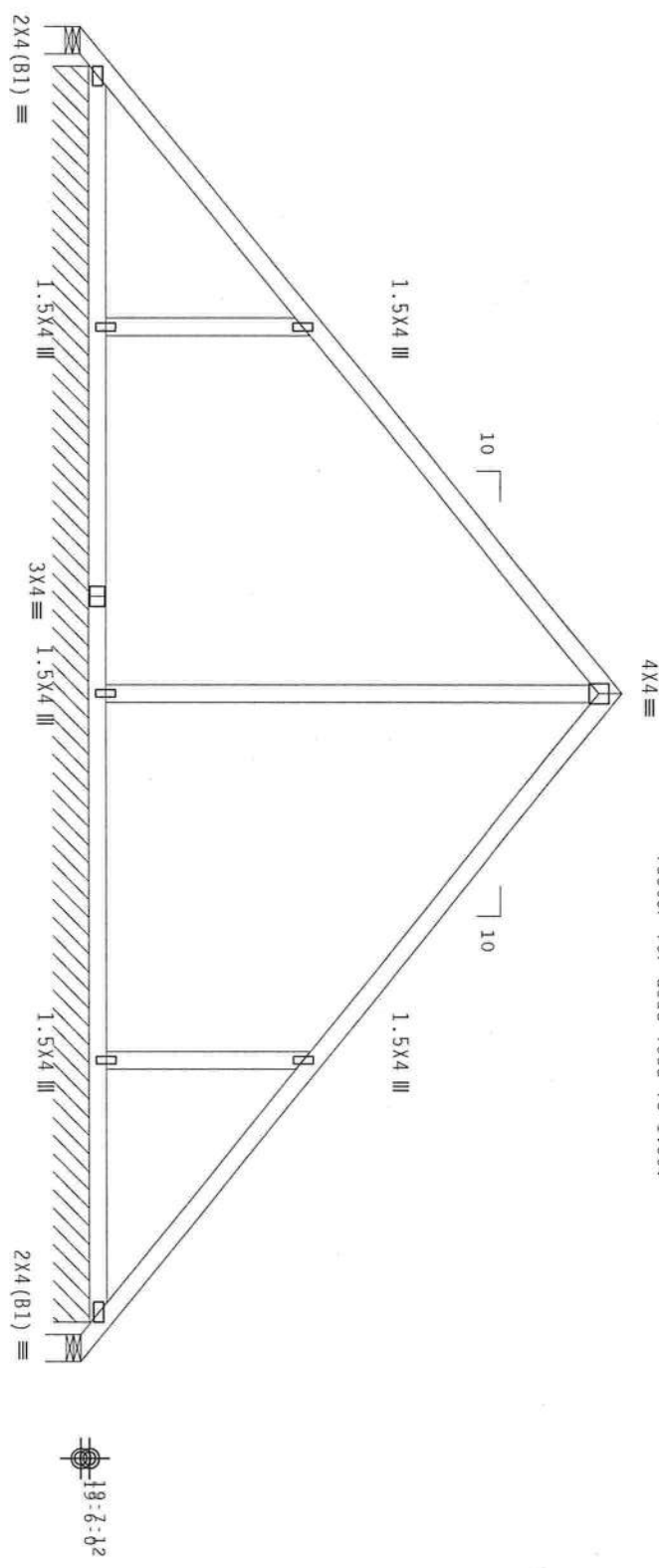
Refer to DWG P16BACKA0207 or P16BACKB0207 for piggyback details.

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, 24.10 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT II, Exp B, Wind TC
DL=5.0 psf, wind BC DL=2.0 psf, Tw=1.00 Gcpl(+/-)=0.18

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



10'-4-11
10'-4-11
22'-1-2 Over 3 Supports
R=30 Rw=180 U=182 W=5.467"
R=76 PLF U=29 PLF W=20-9-6
R=29 Rw=56 U=29 W=5.466"

PLT TYP. Wave

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

7.36.0424.11

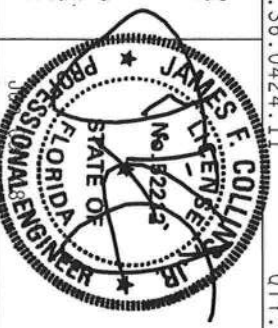
QTY:1 FL/-/4/-/-R/-

Scale =.3125"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278



TC LL	20.0 PSF	REF	R8228- 13318
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08161090
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SECON	26913
DUR.FAC.	1.25		
SPACING	24.0"	JREF	11188228203

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

SPECIAL LOADS
-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 11.05
TC - From 66 PLF at 11.05 to 66 PLF at 22.09
BC - From 4 PLF at 0.00 to 4 PLF at 22.09

Wind reactions based on MMFRS pressures.

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

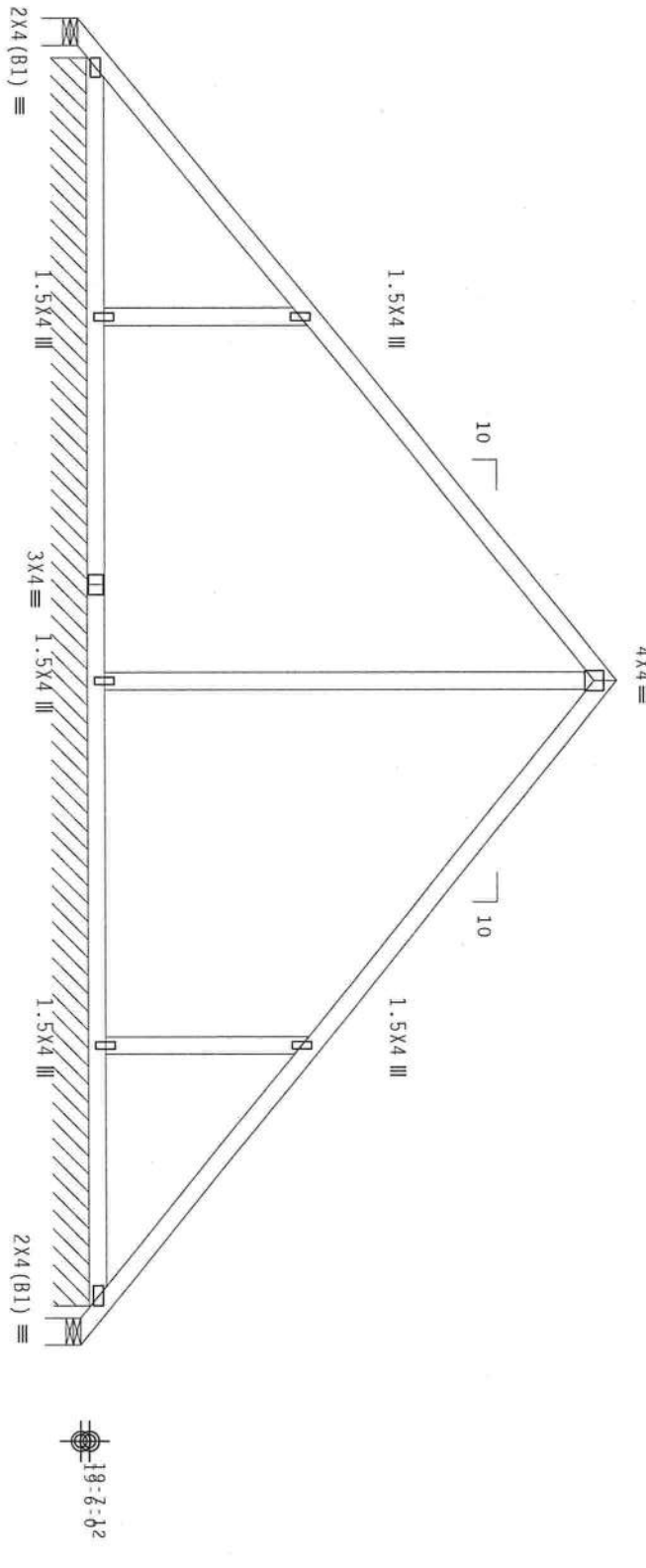
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

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, 24.10 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, IW=1.00 GCpl(+/-)=0.18

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



PLT TYP. Wave

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

7.36.0424.11

DTY:1

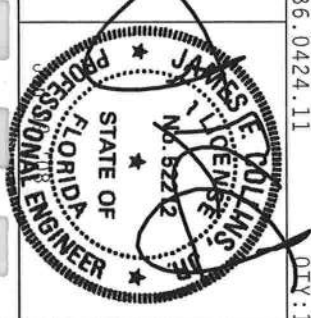
FL/-/4/-/-/R/-

Scale = .3125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22319 AND WCA (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.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278



TC LL	20.0 PSF	REF R8228-13319
TC DL	10.0 PSF	DATE 06/09/08
BC DL	10.0 PSF	DRW HCUR8228 08161091
BC LL	0.0 PSF	HC-ENG JB/AP
TOT LD	40.0 PSF	SEQN- 26913
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T188228Z03

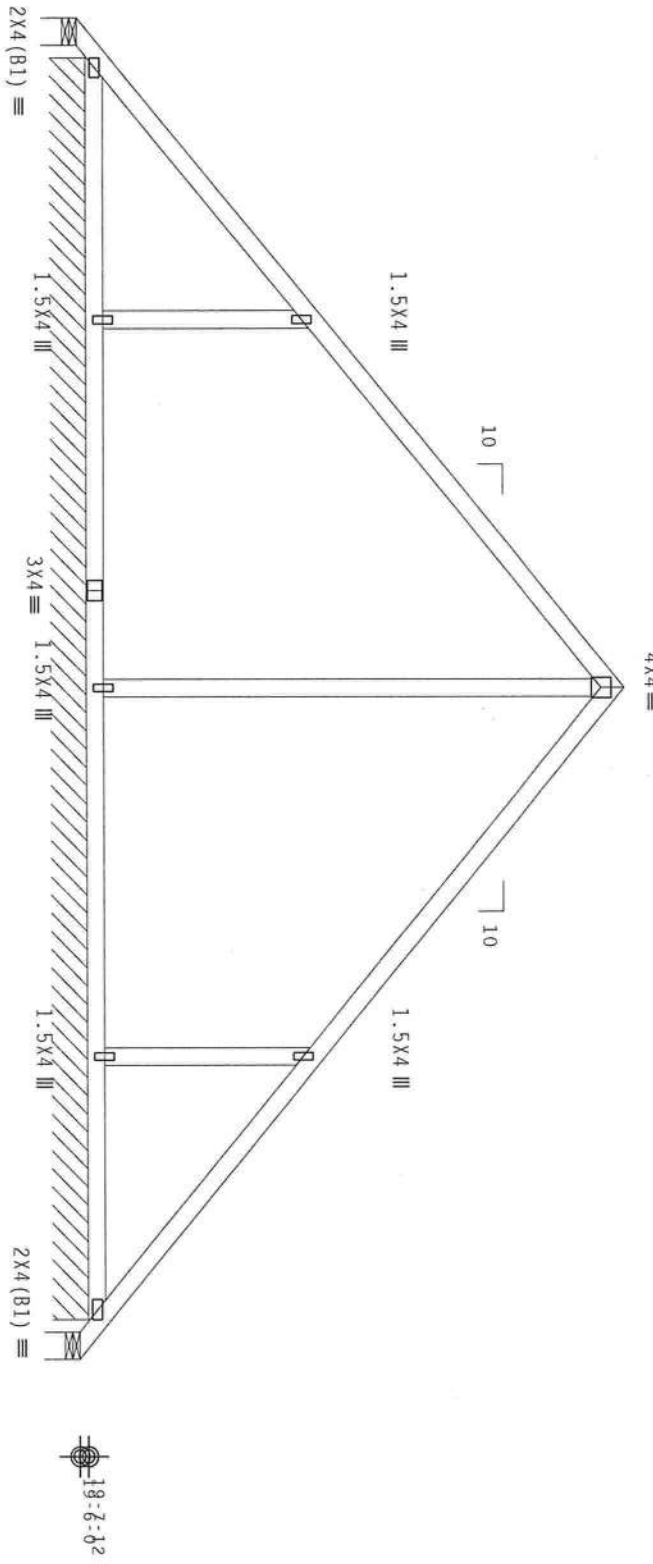
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Weds 2x4 SP #3

SPECIAL LOADS
-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 11.05
TC - From 66 PLF at 11.05 to 66 PLF at 22.09
BC - From 4 PLF at 0.00 to 4 PLF at 22.09

Wind reactions based on MWFRS pressures.
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

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.
Weds : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.
110 mph wind, 24.10 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT II, Exp B, wind TC
DL=5.0 psf, wind BC DL=2.0 psf, IW=1.00 Gcpl(+/-)=0.18
Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.



10-4-11
10-4-11
22-1-2 over 3 Supports
R=30 Rw=180 U=182 W=5.467"
R=76 PLF U=29 PLF W=20-9-6
R=29 Rw=56 U=29 W=5.466"

PLT TYP. Wave

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

7.36.0424.11

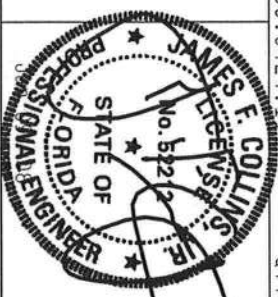
QTY:1 FL/-/4/-/-/R/-

Scale =.3125"/Ft.

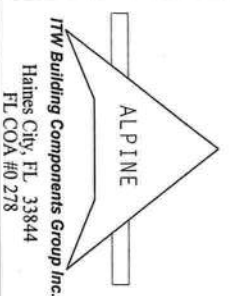
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFLECT TO DCS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD COUNCIL OF AMERICA, 6200 ENTERPRISE 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 TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 2015 NATIONAL DESIGN SPEC. BY AISC AND TPI. THE BCG, INC. HAS BEEN LICENSED BY THE STATE OF FLORIDA TO DESIGN TRUSSES. THE BCG, INC. SHALL APPLY THE DESIGN TO EACH PROJECT OF TRUSSES AND TO UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 1606-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERX AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SUELEY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R8228- 13320
TC DL	10.0 PSF	DATE 06/09/08
BC DL	10.0 PSF	DRW HCURS8228 08161093
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 26913
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T188228Z03



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

SPECIAL LOADS

---(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 11.05
TC - From 66 PLF at 11.05 to 66 PLF at 22.09
BC - From 4 PLF at 0.00 to 4 PLF at 22.09

Wind reactions based on MFERS pressures.

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

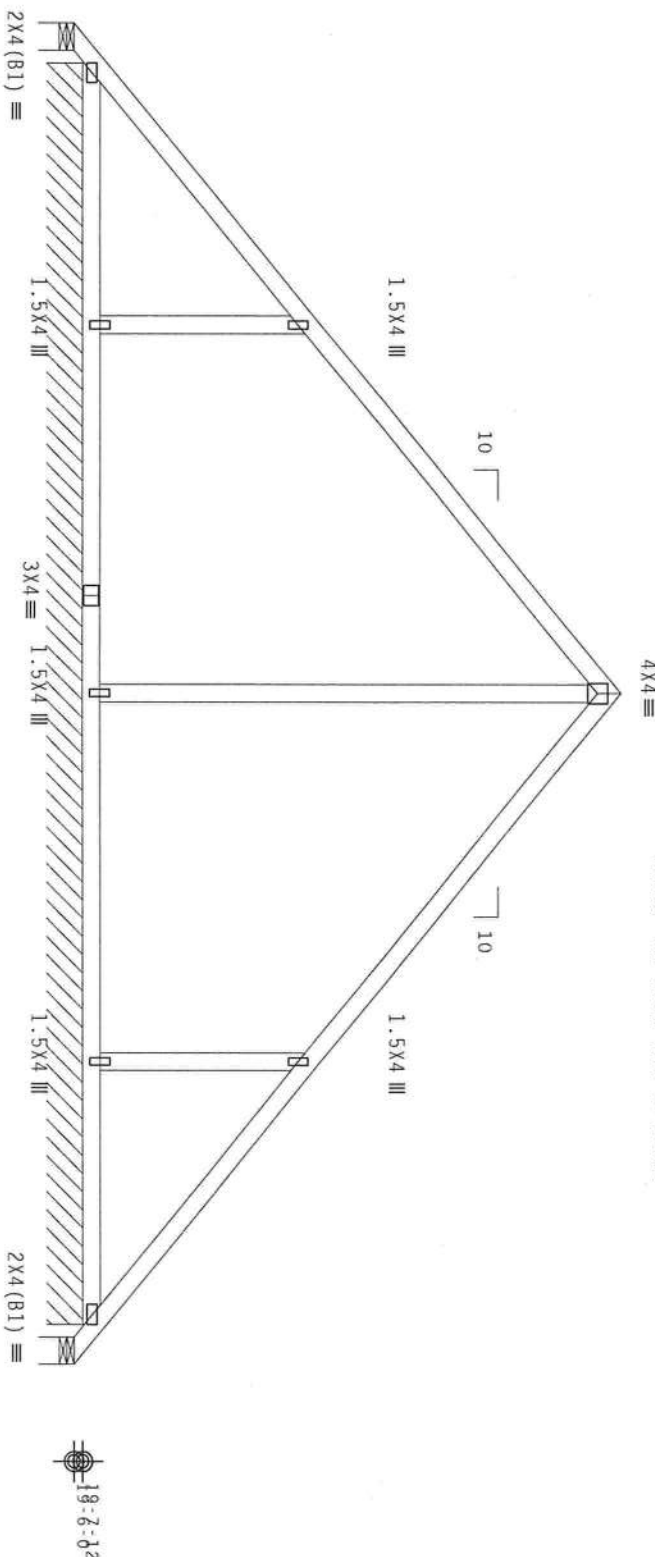
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

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, 24.10 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT 11, Exp B, Wind TC
DL=5.0 psf, wind BC DL=2.0 psf, 1w=1.00 Gcpl(+/-)=0.18

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



10'-4-11
10'-4-11
22'-1-2 Over 3 Supports
10'-4-11
10'-4-11
R=30 Rw=180 U=182 W=5.467"
R=76 PLF U=29 PLF W=20-9-6
R=29 Rw=56 U=29 W=5.466"

PLT TYP. Wave

Design Cr1t: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.36.0424.11

QTY: 1

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

Scale = .3125"/ft.

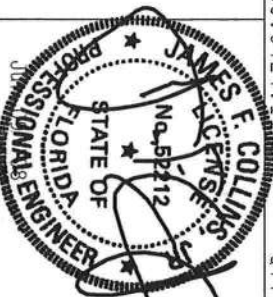
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCS1 (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MAULDSBORO, NJ 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278



TC LL	20.0 PSF	REF R8228-13321
TC DL	10.0 PSF	DATE 06/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08161084
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEON- 26913
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T188228203

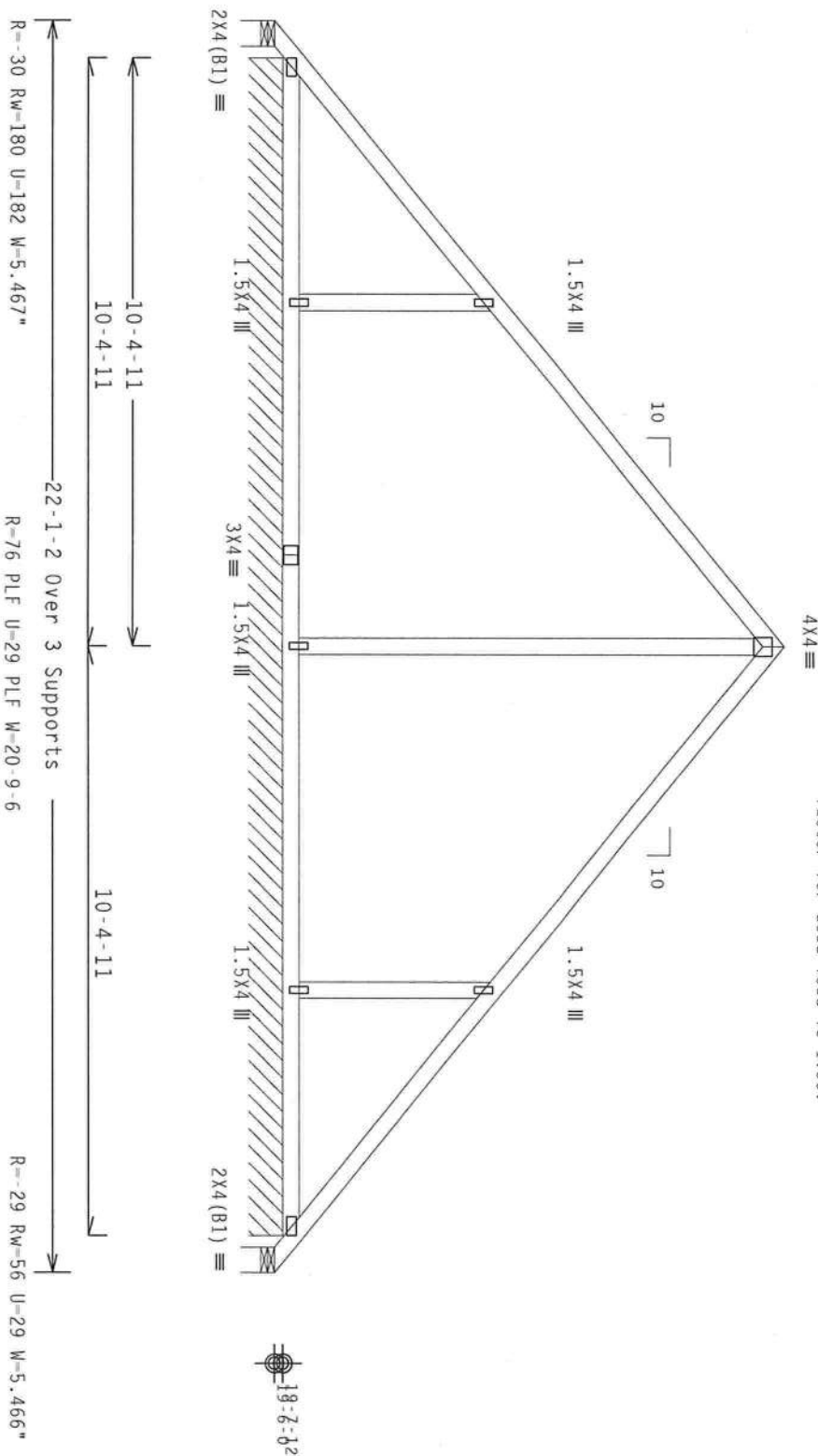
2 COMPLETE TRUSSES REQUIRED

Nailling Schedule: (10d_Box_or_Gun_(0.128"x3",_m1n.)_nails)
 Top Chord: 1 Row @12.00" o.c.
 Rot Chord: 1 Row @12.00" o.c.

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

110 mph wind, 24.10 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, Exp B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, $I_w=1.00$ GCPI (+/-)=0.18

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



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

QTY:1

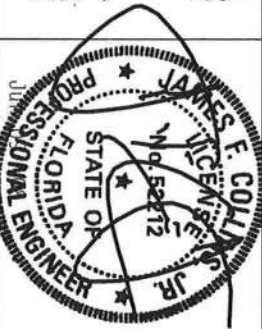
FL/-/4/-/-/R/-/

Scale = .3125" / Ft.

WARNING:—FIBERS (INCLUDING EXPIRING GASE IN FIBERGLASS), HANDLING, SHIPPING, INSTALLING, AND BRACKETING TO REPAIR (INCLUDING COMPONENTS OF IMPROVEMENTS), PUBLISHED BY TPI (FIBERS PAPER INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA., 22314 (800) 778-6000. TRUSS COMPANY OF AMERICA, 65000 ENTERPRISE LANE, MONTICELLO, VA. 53179 FOR SAFETY PRACTICES AND MICH TO PEAKING THESE FIBERS, UNLESS OTHERWISE INDICATED FOR CROSDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CROSD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group Inc
Haines City, FL 33844
FL COA #0278



TC LL	20.0 PSF	REF	R8228- 13322
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCSR8228 08161083
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT. LD.	40.0 PSF	SEON-	26913
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1T188228Z03

SPECIAL LOADS

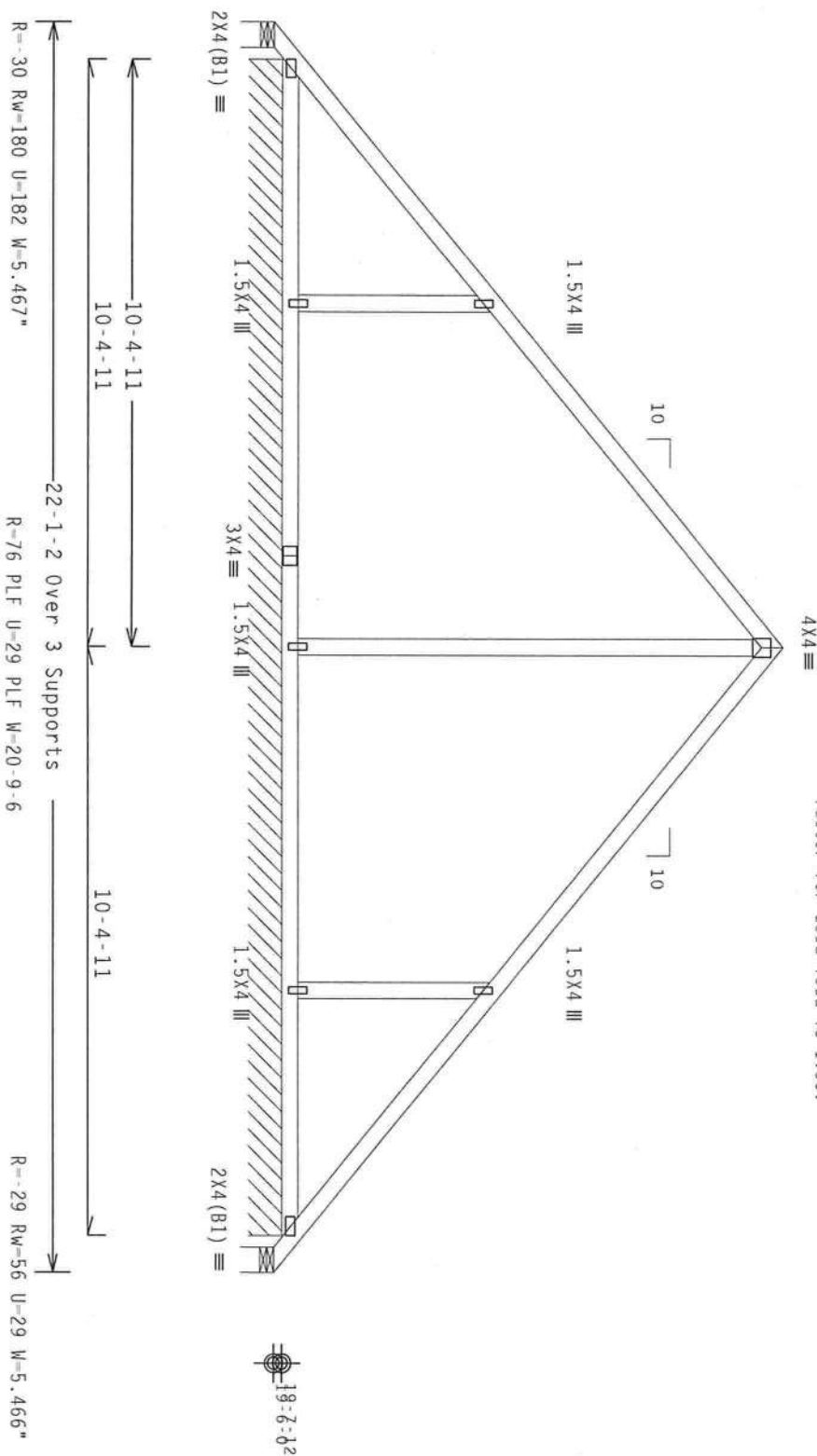
Wind reactions based on MFRS pressures.

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

Bot	Chord:	1 Row	@12.00"	0.c.c.
Web	:	1 Row	@ 4"	0.c.c.

110 mph wind, 24.10 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, $I_w=1.00$ Gcpl (+/-)=0.18

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)

7.36.0424.11

QTY:1

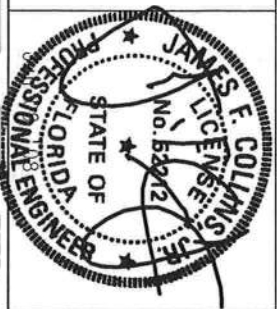
FL/-/4/-/-/R/-/

Scale = .3125" / Ft.



ITW Building Components Group Inc

Haines City, FL 33844
FL COA #0278



TC LL	20.0 PSF	REF	R8228- 13323
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08161094
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26913
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T188228Z03

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 7.05
TC - From 66 PLF at 7.05 to 66 PLF at 14.09
BC - From 4 PLF at 0.00 to 4 PLF at 14.09

110 mph wind, 22.44 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC
DL=5.0 psf, wind BC DL=2.0 psf, lw=1.00 GCpl(+/-)=0.18

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

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

2 COMPLETE TRUSSES REQUIRED

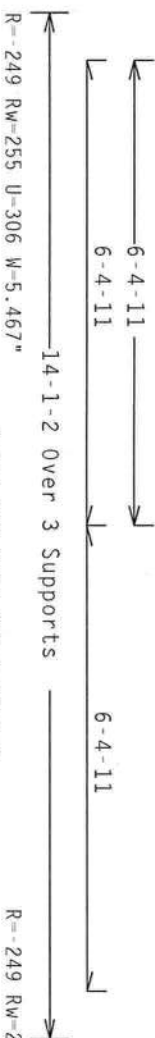
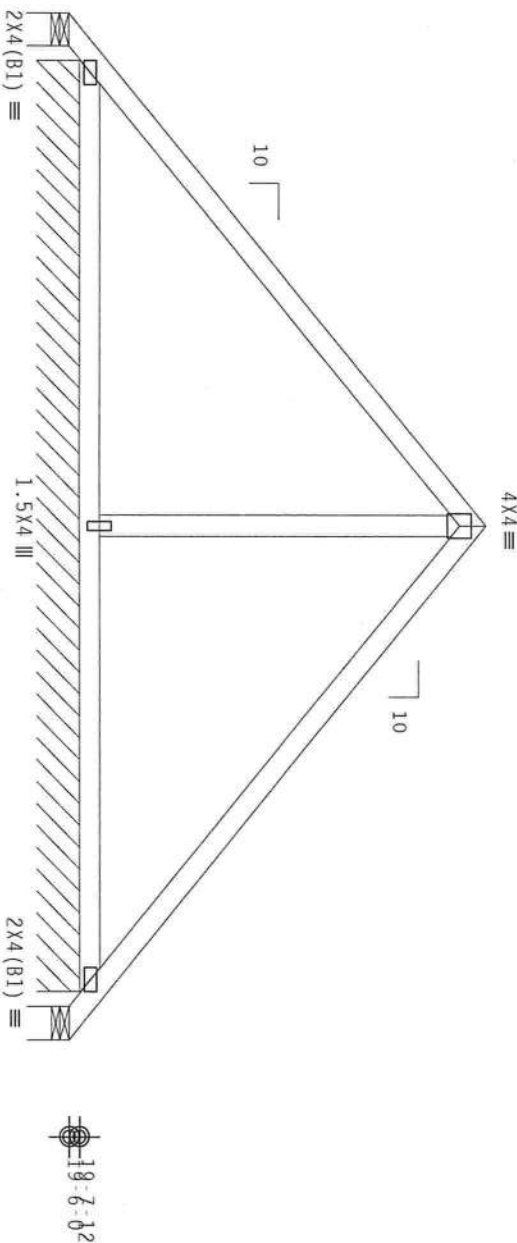
Nailing Schedule: (10d Box or Gun (0.128"x3", min.) nails)

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.

Negative reaction(s) of -248# MAX. (See below) from a non-wind
load case requires uplift connection.

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=249 RW=255 U-306 W=5.467"

R=114 PLF U=54 PLF W=12-9-6

R=249 RW=200 U-211 W=5.467"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

7.36.0424.11

QTY:1

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

Scale = .375"/ft.

ALPINE

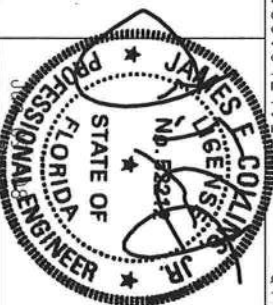
ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND DRACING.
REFER TO DCSI (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
THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR
THE FABRICATION, HANDLING, SHIPPING, INSTALLING, AND DRACING OF THE TRUSS. THE CONTRACTOR SHALL
BE RESPONSIBLE FOR THE PROTECTION OF THE TRUSS FROM DAMAGE DURING TRANSPORT AND INSTALLATION.
CONNECTION PLATES ARE MADE OF 20/18/16GA. (U/S/SL) WITH A53 GR40 40/60 (U, K/H/SS) GALV. STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS J604-2.
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 - 13324
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCSR8228 08161075
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26921
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T188228203

SPECIAL LOADS

110 mph wind, 22.44 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 1I, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, $I_w=1.0$ GCp1(+/-)=0.18

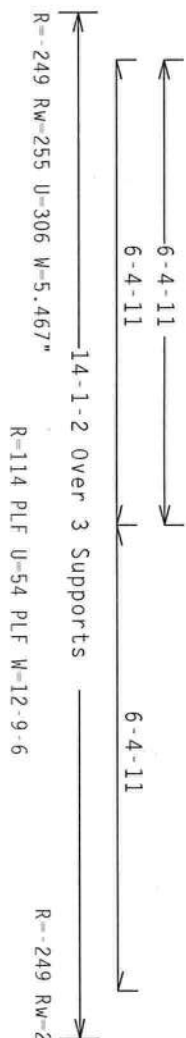
Negative reaction(s) of -24# MAX. (See below) from a non-wind load case requires uplift connection.

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

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

Negative reaction(s) of -248# MAX. (See below) from a non-wind load case requires uplift connection.

Wind reactions based on MWFRS pressures.



PLT TYP. Wave

$$Cq/RT=1.00(1.25)/10(0) \quad 7.36.0424.11$$

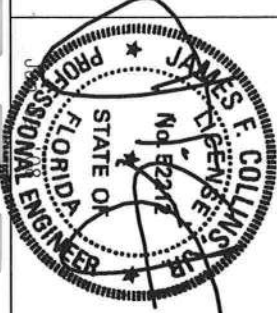
QTY:1	FL/-/4/-/-/R/-
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Scale = .375"/Ft.

• **"WARNING"** LABELS REQUIRE EXPLICIT CARE IN FABRICATION, HANDLING, SHIPMENT, INSTALLING, AND DEBRACING. REFER TO GC-1 (BUILDING CONSTRUCTION SAFETY INFORMATION) - PUBLISHED BY THE FIBERS PAPER INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND AFCA (GOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI, 53719 FOR SAFETY PRACTICES TO FOLLOW TO PREVENT THESE INCIDENTS. INDUSTRY IDENTIFIED TOP GROUND SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GROUND SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ITW Building Components Group Inc

Haines City, FL 33844
FL COA #0278



TC LL	20.0 PSF	REF	R8228- 13325
TC DL	10.0 PSF	DATE	06/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08161097
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	26921
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T188228203

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

110 mph wind, 22.44 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf, IW=1.00 GCP1(+/-)=0.18

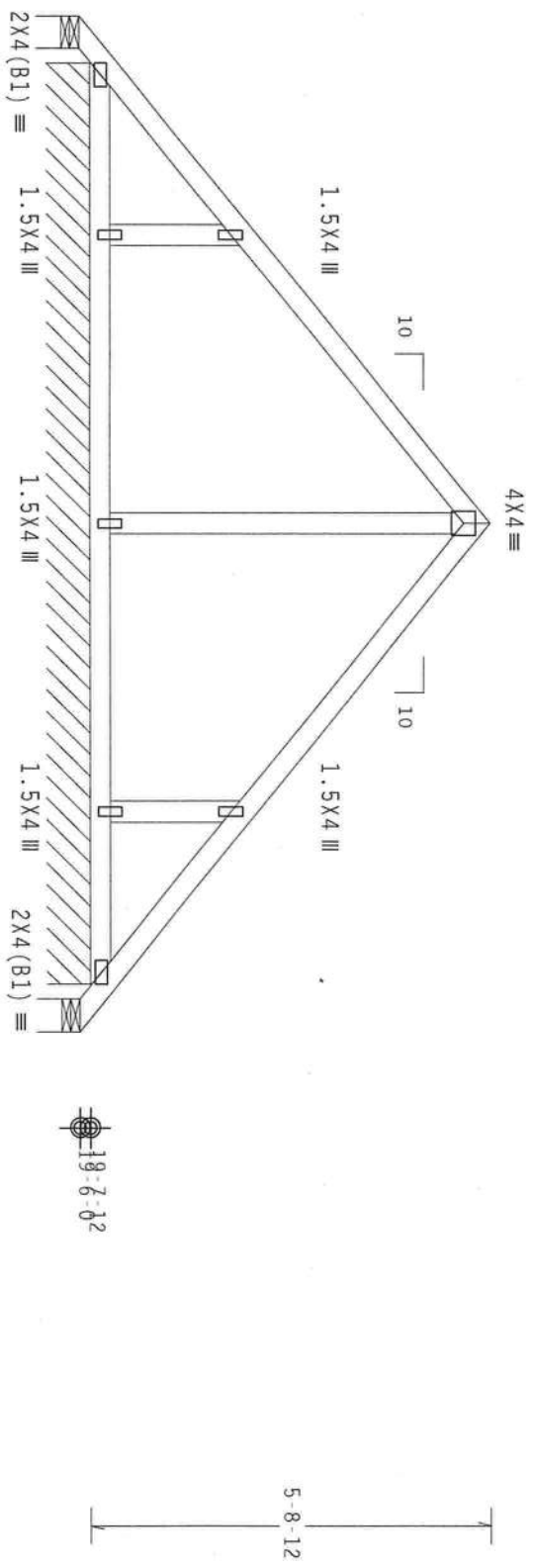
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

TC - From	DUR.FAC. -1.25	PLATE DUR.FAC. -1.25
TC - From	66 PLF at 0.00 to	66 PLF at 7.05
TC - From	66 PLF at 7.05 to	66 PLF at 14.09
BC - From	4 PLF at 0.00 to	4 PLF at 14.09

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.

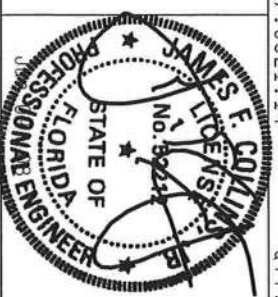
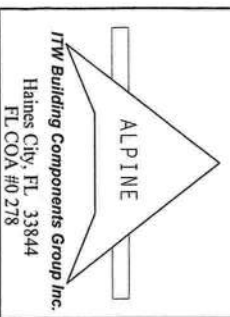


6-4-11
6-4-11
14-1-2 Over 3 Supports
R-22 RW-102 U-94 W-5.467"
R-71 PLF U-24 PLF W-12-9-6
R-22 W-5.467"

PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.37.0521.14 QTY: 1 FL/-/4/-/-/R/- Scale = .375"/ft.

****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DETAIL (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. 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. DESIGN COMPROMISES WITH APPLICABLE PROVISIONS OF WCA (WOOD TRUSS COUNCIL OF AMERICA) AND TPI. THE BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND FOR THE PROVISIONS PER DRAWINGS 100A-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- 13326
TC DL	10.0 PSF	DATE 06/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08161100
BC LL	0.0 PSF	HC-ENG TCE/DF
TOT.LD.	40.0 PSF	SEQN- 10144 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T188228203

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

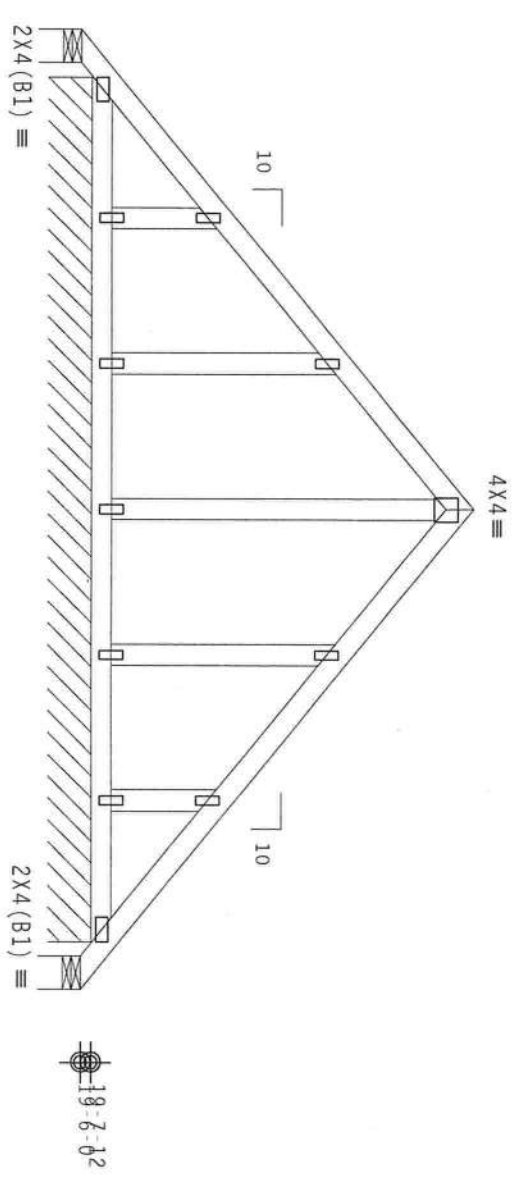
110 mph wind, 22.25 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. lw=1.00 GCPI(+/-)=0.18

Wind reactions based on MMFRS pressures.

See DWGS A11030EE0207 & GBLETTINO207 for more requirements.

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

Refer to DWG P16BACKA0207 or P16BACKB0207 for piggyback details. Portion of truss under piggyback is to be braced @ 24" oc unless otherwise specified.



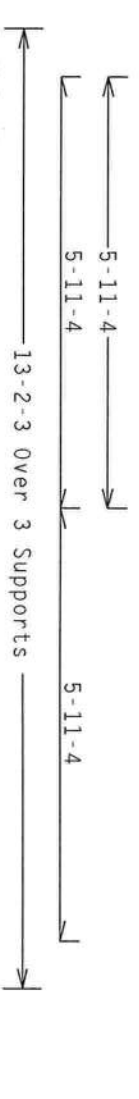
SPECIAL LOADS

TC - From	66 PLF at 0.00 to 6.59	66 PLF at 6.59 to 13.18
TC - From	66 PLF at 6.59 to 13.18	66 PLF at 13.18 to 24.00
BC - From	4 PLF at 0.00 to 13.18	4 PLF at 13.18 to 24.00

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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

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



R-23 RW=199 U=190 W=5.467"
R-177 PLF U=56 PLF W=11-10-7
R-23 U=7 W=5.467"

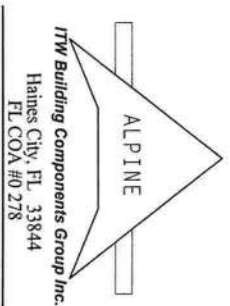
Note: All Plates Are 1.5X4 Except As Shown.

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

TY:1 FL/-/4/-/-/R/- Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, MARKING, 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), 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. 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, MARKING, SHIPPING, INSTALLING & BRACING OF TRUSSES, BY AISC AND TPI, CONNECTOR PLATES ARE MADE OF 2018/1664 IN 4/5/5/2/5 (ASTM A653 GRADE 40) OR 4/20/5/1 GALEY, 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 (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.



TC LL	20.0 PSF	REF R8228- 13327
TC DL	10.0 PSF	DATE 06/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08161072
BC LL	0.0 PSF	HC-ENG TCE/DF
TOT. LD.	40.0 PSF	SEQN- 88401
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1T188228203

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

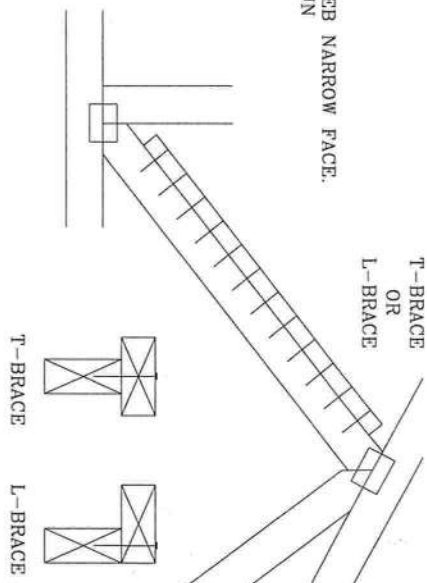
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

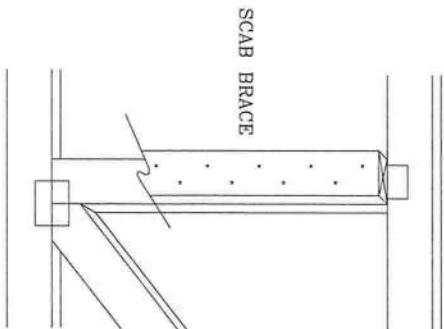
T-BRACING
OR
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 10d BOX OR GUN
(0.128" x 3" MIN) NAILS.
AT 6" O.C. BRACE IS A
MINIMUM 80% OF WEB
MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN
(0.128" x 3" MIN) NAILS.
AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579.640



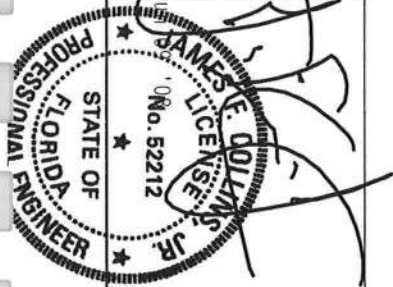
TRUSS BUILDING COMPONENTS GROUP, INC.
POMEROY BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE MANUFACTURER, FOR SPECIFIC SAFETY INFORMATION. SEE THE TRUSS PLATE MANUFACTURER'S INSTRUCTIONS 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.

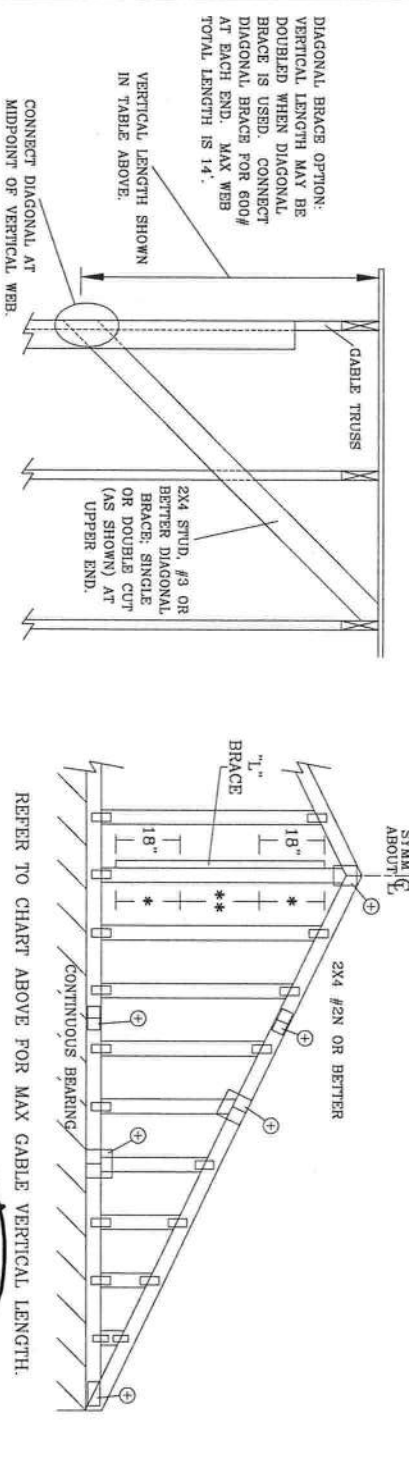
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN AND FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN. THE TRUSS SHALL BE CONSIDERED A PRELIMINARY DESIGN. THE TRUSS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AIA/BAI AND THE GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE Labeled ON THIS DESIGN, POSITION PER DRAWINGS 1604-7. ANY INSPECTION OF PLATES FOLLOWED BY Q SHALL BE FOR ANNEAL AS OF THE 1-2-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE TRUSS SHALL BE USED IN ACCORDANCE WITH THE TRUSS COMPONENT DESIGN SHOWN. THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

No. 52212

T/C LL	PSF	REF	CLB SUBST.
T/C DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	BRCLBSUB0207
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			



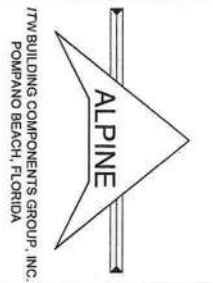
MAX GABLE VERTICAL LENGTH		BRACE		NO BRACES		(1) 1X4 "L" BRACE •		(1) 2X4 "L" BRACE •		(2) 2X4 "L" BRACE •		(1) 2X6 "L" BRACE •		(2) 2X6 "L" BRACE •	
GABLE VERTICAL SPACING	SPECIES	GRADE	BRACE	NO	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP B
12" O.C.	SPF	#1 / #2	STUD	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"	14' 0"
	SPF	#3	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"
	HF	STANDARD	STUD	3' 9"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"	14' 0"
	SP	#1	STUD	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"
	SP	#2	STUD	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"
16" O.C.	DFL	STANDARD	STUD	4' 0"	6' 2"	6' 2"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"	14' 0"
	SPF	#1 / #2	STUD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	8' 0"	8' 0"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"
	SPF	#3	STUD	4' 5"	7' 8"	7' 8"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	STANDARD	STUD	4' 4"	7' 4"	7' 4"	8' 4"	8' 4"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	#1	STUD	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
24" O.C.	DFL	STANDARD	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"
	SPF	#1 / #2	STUD	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"
	SPF	#3	STUD	4' 11"	8' 5"	8' 5"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	STANDARD	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"
	SP	#1	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"



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPICE, AND HEEL PLATES.



ALPINE BUILDING COMPONENTS GROUP, INC.
POMPAH BEACH, FLORIDA

JAMES COLLINS JR.
FLORIDA PROFESSIONAL ENGINEER
No. 52212

MAX. TOT. LD. 60 PSF
MAX. SPACING 24.0"

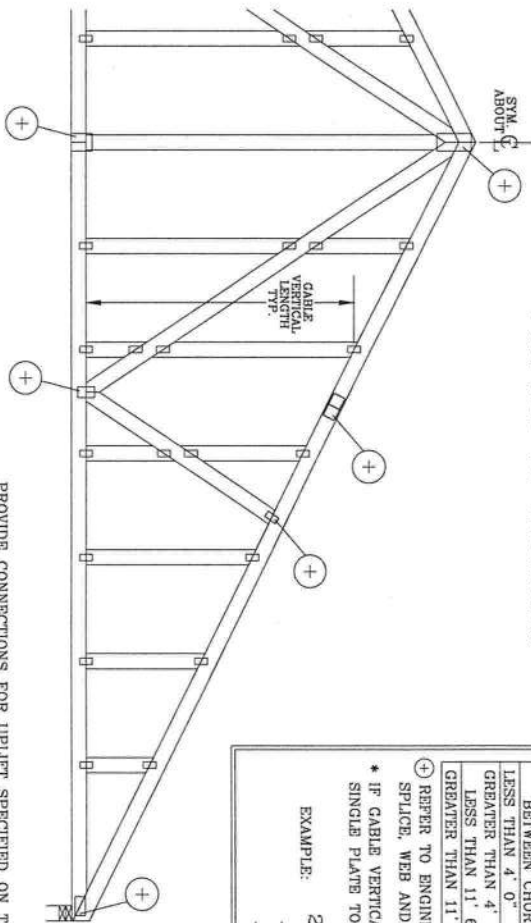
GABLE TRUSS DETAIL NOTES:

- LIVE LOAD DEFLECTION CRITERIA IS L/240.
- PROVIDE UPLIFT CONNECTIONS FOR RO PUF OVER CONTINUOUS BEARING (5 PSF TO DEAD LOAD).
- GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.
- ATTACH EACH "L" BRACE WITH 10d NAILS.
- * FOR (1) "L" BRACE: SPACE NAILS AT 2' 0" O.C. IN 18" END ZONES AND 4' 0" O.C. BETWEEN ZONES.
- ** FOR (2) "L" BRACES: SPACE NAILS AT 3' 0" O.C. IN 18" END ZONES AND 6' 0" O.C. BETWEEN ZONES.
- "L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GROUP A:		GROUP B:	
SPRUCE-PINE-FIR	HEM-FIR	HEM-FIR	HEM-FIR
#1 / #2	#2	#1 & BTR	#1
STUD	STUD		
STANDARD	STANDARD		

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

CABLE DETAIL FOR LET-IN VERTICALS



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

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

EXAMPLE:

2X4	2X4	2X8
-----	-----	-----

PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH HAND DRIVEN NAILS:

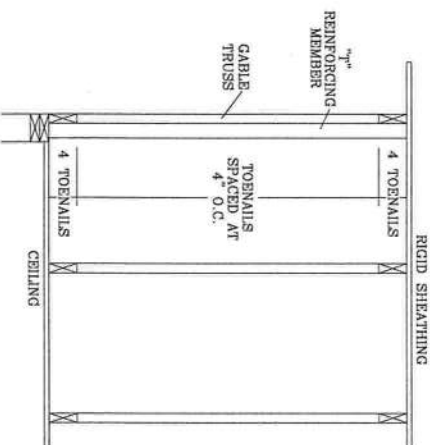
10d COMMON (0.148" X 3.125") TOENAILS AT 4" O.C. PLUS

(4) 16d COMMON (0.162" X 3.5") TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS:

8d COMMON (0.131" X 2.5") 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 GABLE DETAIL DRAWINGS

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

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08015EC0207, A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A08030EC0207

ASCE 7-02 GABLE DETAIL DRAWINGS

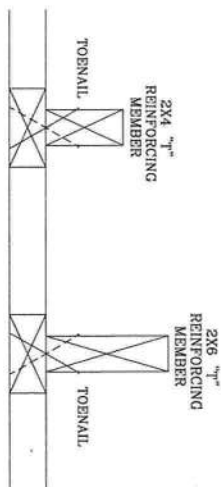
A13015EB0207, A12015EB0207, A11015EB0207, A10015EB0207, A08015EB0207, A13030EB0207, A12030EB0207, A11030EB0207, A10030EB0207, A08030EB0207

ASCE 7-05 GABLE DETAIL DRAWINGS

A13015ES0207, A12015ES0207, A11015ES0207, A10015ES0207, A08015ES0207, A13030ES0207, A12030ES0207, A11030ES0207, A10030ES0207, A08030ES0207

SEE APPROPRIATE ALPINE CABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED CABLE VERTICAL LENGTH.

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035



TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON CABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE CABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED CABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED "T" REINF. AND MPH	MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT

CABLE VERTICAL = 24" O.C. SP #3

"T" REINFORCING MEMBER SIZE = 2X4

"L" BRACE INCREASE (FROM ABOVE) = 10% = 1.10

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

MAXIMUM "T" REINFORCED CABLE VERTICAL LENGTH 1.10 x 6' 7" = 7' 3"



ITV BUILDING COMPONENTS GROUP, INC.
POINCIANO 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 22314 AND A/CIA CADD TRUSS CONDUCTOR OF DESIGN. **IMPORTANT** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE TRUSS SHALL BE CONSIDERED A STRUCTURAL MEMBER. THE TRUSS SHALL BE DESIGNED TO RESIST ALL LOADS AND STRESSING FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

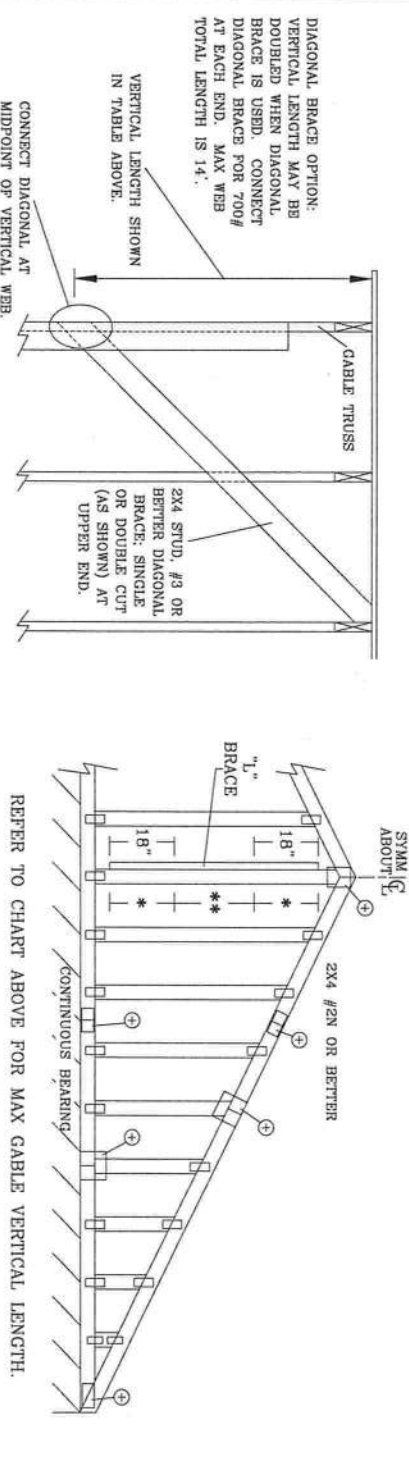
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DESIGN: JAMES E. COLLINS, JR.
No. 52212



REF	LET-IN VERT
DATE	2/23/07
DRWG	GBLETTIN0207
-ENG	DLJ/KAR
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"

MAX GABLE VERTICAL LENGTH															
CABLE VERTICAL SPACING	2x4 VERTICAL SPECIES	BRACE		NO BRACES	(1) 1x4 "L" BRACE *		(1) 2x4 "L" BRACE *		(2) 2x4 "L" BRACE **		(1) 2x6 "L" BRACE *		(2) 2x6 "L" BRACE **		
		GRADE			GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	
12" O.C.	SPF	#1 / #2	3' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	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"		
	HF	#1	4' 0"	6' 4"	6' 10"	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"	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"	9' 5"	11' 5"	11' 5"	14' 0"	14' 0"		
		STUD	3' 9"	5' 6"	5' 6"	7' 3"	7' 3"	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"	13' 3"		
		#1 / #2	4' 1"	7' 3"	7' 5"	8' 7"	8' 10"	10' 3"	10' 6"	13' 5"	13' 10"	14' 0"	14' 0"		
		#3	4' 2"	6' 8"	6' 8"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"		
		STUD	4' 1"	8' 0"	8' 0"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"		
16" O.C.	HF	STANDARD	4' 1"	5' 8"	5' 8"	7' 6"	7' 6"	10' 1"	10' 1"	11' 8"	11' 8"	14' 0"	14' 0"		
		#1	4' 7"	7' 3"	7' 9"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"			
		#2	4' 6"	7' 3"	7' 9"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"			
		#3	4' 4"	6' 10"	6' 10"	8' 7"	9' 0"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"			
	SP	STUD	4' 4"	6' 9"	6' 9"	8' 7"	8' 11"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"			
		#1 / #2	4' 2"	5' 10"	5' 10"	7' 8"	7' 8"	10' 3"	10' 4"	11' 11"	11' 11"	14' 0"	14' 0"		
		STANDARD	4' 7"	8' 0"	8' 2"	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"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"		
	HFI	STUD	4' 6"	6' 7"	6' 7"	8' 8"	8' 8"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"		
		#1	5' 1"	8' 0"	8' 7"	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"	10' 2"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"		
		#3	4' 9"	7' 11"	7' 11"	9' 5"	9' 11"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"		
DFL	STUD	4' 9"	7' 9"	7' 9"	9' 5"	9' 11"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"			
	#1 / #2	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"			



GABLE VERTICAL PLATE SIZES		GABLE TRUSS DETAIL NOTES:	
VERTICAL LENGTH	NO SPLICE	LIVE LOAD DEFLECTION CRITERIA IS L/240.	GROUP B:
LESS THAN 4' 0"	1x4 OR 2x3	PROVIDE UPLIFT CONNECTIONS FOR 100 PSF OVER CONTINUOUS BEARING (5 PSF TO DEAD LOAD).	HEM-FIR #1 & BTR #1
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2x4	GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLAYWOOD OVERHANG.	DOUGLAS FIR-LARCH #1
GREATER THAN 11' 6"	2.5x4	ATTACH EACH "L" BRACE WITH 10d NAILS.	DOUGLAS FIR-LARCH #2
+ REFER TO COMMON TRUSS DESIGN FOR PAK, SPLICE, AND HEEL PLATES.		* FOR (1) "L" BRACE: SPACE NAILS AT 2' 0" O.C. IN 18" END ZONES AND 4' 0" O.C. BETWEEN ZONES.	
		** FOR (2) "L" BRACES: SPACE NAILS AT 3' 0" O.C. IN 18" END ZONES AND 6' 0" O.C. BETWEEN ZONES.	
		"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.	

DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 700# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.

VERTICAL LENGTH SHOWN IN TABLE ABOVE.

CONNECT DIAGONAL AT MIDPOINT OF VERTICAL WEB.

2x4 STUD, #3 OR BETTER DIAGONAL BRACE: SINGLE OR DOUBLE CUT (AS SHOWN) AT UPPER END.

REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

SYMM. ABOUT C/L

2x4 #2N OR BETTER

CONTINUOUS BEARING

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA

ANSI/TPI 1 SEC. 2



REF	ASCE7-02-CAB11030
DATE	2/23/07
DRWG	A11030EEO207
ENG	
MAX. TOT. LD.	60 PSF
MAX. SPACING	24.0"

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

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.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGYBACK CAP TRUSSES MUST BE ADEQUATELY BRACED BY SHEATHING OR PURLINS. PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

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.

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

FLAT TO BRACING
PER ENGINEER'S
SEALED DESIGN

FLAT TOP CHORD $\leq 30'$

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

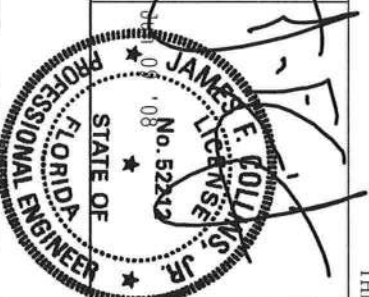
(4) 8d COMMON NAILS (0.131"X2.5")

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

THIS DRAWING REPLACES DRAWINGS 581,670 & 961,860



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

[illegible]

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"		

PIGGYBACK DETAIL

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

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.

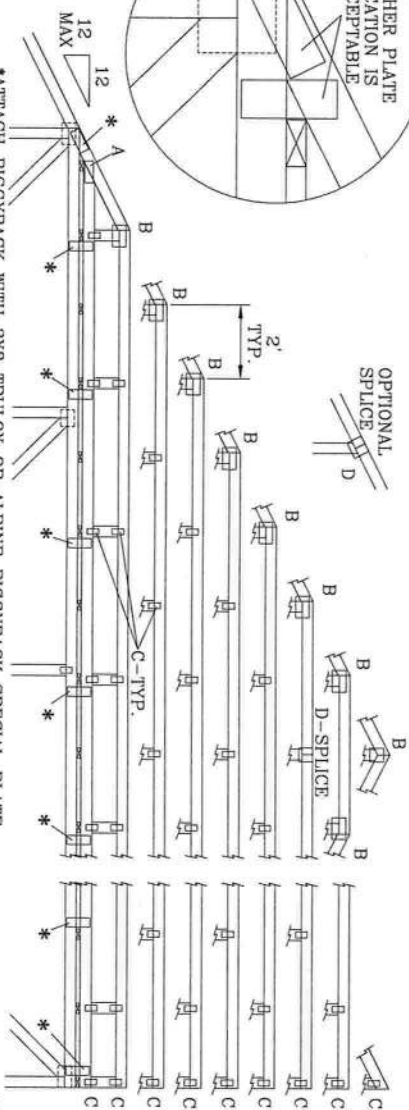
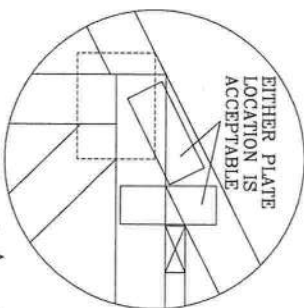
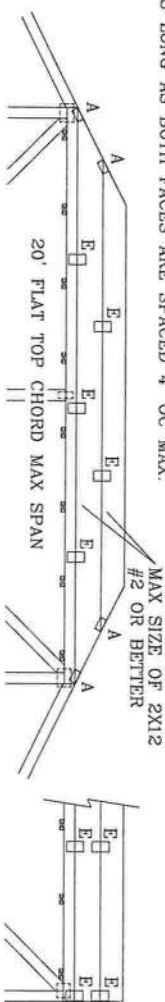
REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING

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

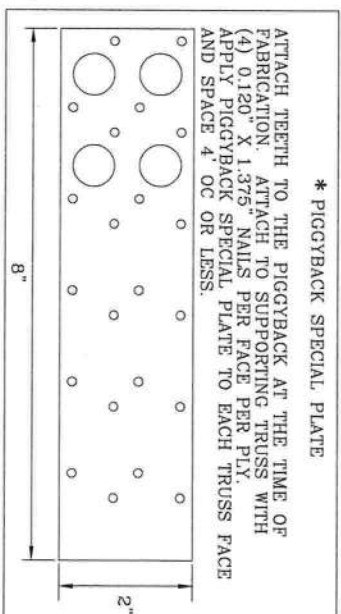
110 MPH WIND, 30' MEAN HGT, SBC
ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF
WIND TC DL=5 PSF, WIND BC DL=5 PSF

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 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE

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



* PIGGYBACK SPECIAL PLATE

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

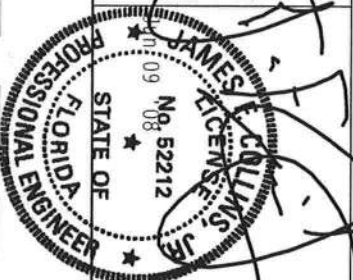
ATTACH TRULOX PLATES WITH (3) 0.120" X 1.375" NAILS OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

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

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

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

[illegible]

MAX LOADING	REF	PIGGYBACK
55 PSF AT	DATE	2/23/07
1.33 DUR. FAC.	DRWG	PIGBACKB0207
50 PSF AT	-ENG	DLJ/KAR
1.25 DUR. FAC.		
47 PSF AT		
1.15 DUR. FAC.		
SPACING		24.0"