

DATE 12/01/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000027504

APPLICANT SAMANTHA HARRINGTON PHONE 386.719.7143
ADDRESS 125 SW MIDTOWN PLACE, STE. 101 LAKE CITY FL 32025
OWNER SURESH & DAXA PATEL PHONE
ADDRESS 293 SW GREEN ACRES WAY LAKE CITY FL 32025
CONTRACTOR ISAAC BRATKOVICH PHONE 386.719.7143
LOCATION OF PROPERTY 90-W TO CYPRESS LAKE S.D,TL TO SWEETBREEZE,TR TO RIDGEVIEW
TR & PROPERTY ON L CORNER OF RIDGEVIEW & GREEN ACRES WAY.
TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 239050.00
HEATED FLOOR AREA 3109.00 TOTAL AREA 4781.00 HEIGHT 24.80 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 8'12 FLOOR CONC
LAND USE & ZONING RSF-2 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 33-3S-16-02434-107 SUBDIVISION CYPRESS LAKE
LOT 7 BLOCK PHASE 2 UNIT TOTAL ACRES 0.88

000001690 CBC059323
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
18"X32'MITERED 08-0718-N BLK RTJ N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD.

Check # or Cash 11309

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by
Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by
Framing date/app. by Rough-in plumbing above slab and below wood floor date/app. by
Electrical rough-in date/app. by Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by
Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by
M/H tie downs, blocking, electricity and plumbing date/app. by Pool date/app. by
Reconnection date/app. by Pump pole date/app. by Utility Pole date/app. by
M/H Pole date/app. by Travel Trailer date/app. by Re-roof date/app. by

BUILDING PERMIT FEE \$ 1200.00 CERTIFICATION FEE \$ 23.91 SURCHARGE FEE \$ 23.91
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 1347.82
INSPECTORS OFFICE CLERKS OFFICE

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

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

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

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

Columbia County Building Permit Application

For Office Use Only Application # 0811-23 Date Received 11/16 By JW Permit # 27504 / 11690
 Zoning Official BLK Date 24-11-08 Flood Zone X Land Use Res Low Dens Zoning RSF-2
 FEMA Map # N/A Elevation N/A MFE 1st above RL River N/A Plans Examiner RJF Date 11/20/08
 Comments _____
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter
 IMPACT FEES: EMS \$29.88 Fire \$78.63 Corr \$409.16 Road/Code \$1,046.00 / 210
 School \$1,500.00 **TOTAL** 3063.67

Septic Permit No. 08-0718-N Fax 386-719-4757
 Name Authorized Person Signing Permit Samantha Harrington Phone 386-719-7143
 Address 125 SW Mid town Pl Ste #101 Lake City, FL 32025
 Owners Name Suresh & Daxa Patel Phone _____
 911 Address 293 SW Green Acres Way Lake City, FL 32024
 Contractors Name Isaac Construction, LLC Phone 386-719-7143
 Address 125 SW Midtown Pl Ste #101 Lake City, FL 32025
 Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address _____

Architect/Engineer Name & Address Mark Disosway, PE Po Box 868 Lake City, FL 32025
 Mortgage Lenders Name & Address Columbia Bank 173 NW Hillsboro St. Lake City, FL 32025
 Circle the correct power company ☒ FL Power & Light - ☐ Clay Elec. - ☐ Suwannee Valley Elec. - ☐ Progress Energy

Property ID Number 33-38-16-02434-107 Estimated Cost of Construction \$249,000.00
 Subdivision Name Cypress Lake Lot 7 Block _____ Unit _____ Phase 2
 Driving Directions Hwy 90W to Cypress Lake, turn left to Sweetbreeze Tr. to Ridgeview Pl. Tr. property on L corner of Ridgeview & Green Acres W
 Number of Existing Dwellings on Property 0

Construction of new custom home Total Acreage .888 Lot Size .888
 Do you need a ☒ Culvert Permit or ☐ Culvert Waiver or ☐ Have an Existing Drive Total Building Height 24'-8"
 Actual Distance of Structure from Property Lines - Front 52'-1" Side 89'-4" Side 54'-3" Rear 54'-7"
 Number of Stories 1 Heated Floor Area 3722 SF Total Floor Area 4781 SF Roof Pitch 8/12

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.
 Page 1 of 2 (Both Pages must be submitted together.) JW spoke w/ Lina w/ R. 11.24.08 Revised 1-10-08

Columbia County Building Permit Application

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

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

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

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

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

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

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

Dana Pate

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.

Steve Brathorn

Contractor's Signature (Permitee)

Contractor's License Number

Columbia County

Competency Card Number

CBC 059323

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 22nd day of OCT 2009.

Personally known X or Produced Identification _____

Barbara Webster

State of Florida Notary Signature (For the Contractor)

SEAL:



BARBARA C. WEBSTER
MY COMMISSION # DD 800888
EXPIRES: July 2, 2012
Bonded Thru Budget Notary Services

KCC. 18.00
Rev. 420.00
Consd. 69000.00

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 08-301
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Property Appraiser's
Identification Number
R02434-107

Inst:200812018766 Date:10/13/2008 Time:8:56 AM
Doc Stamp-Deed:420.00
DC, P. DeWitt Cason, Columbia County Page 1 of 2 B:1160 P:838

WARRANTY DEED

This Warranty Deed, made this 3rd day of October, 2008, BETWEEN RONNIE EARL WILLIAMS and GAIL ROBINSON WILLIAMS, Husband and Wife whose post office address is 18250 SE 88th Place, Miami, Florida 33157, of the State of Florida, grantor*, and SURESH PATEL and DAXA PATEL, Husband and Wife, whose post office address is 28405 Hwy 90 West Lake City, Florida 32055, of the County of Columbia, State of Florida, grantee*.

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

Witnesseth: that said grantor, for and in consideration of the sum of Ten Dollars (\$10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

Lot 7, CYPRESS LAKE, PHASE II, a subdivision according to the plat thereof as recorded in Plat Book 6, Page 32 of the public records of Columbia County, Florida.

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

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

And subject to taxes for the current year and later years and all valid easements and restrictions of record, if any, which are not hereby reimposed; and also subject to any claim, right, title or interest arising from any recorded instrument reserving, conveying, leasing, or otherwise alienating any interest in the oil, gas and other minerals. And grantor does warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, subject only to the exceptions set forth herein.

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

Signed, sealed and delivered
in our presence:

[Signature]
(Signature of First Witness)
Dga Cadaval
(Typed Name of First Witness)

[Signature]
(Signature of Second Witness)
Melissa Dodge
(Typed Name of Second Witness)

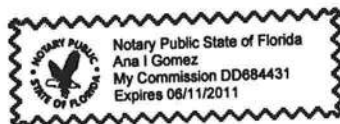
[Signature] (SEAL)
Grantor
RONNIE EARL WILLIAMS
Printed Name

[Signature] (SEAL)
Grantor
GAIL ROBINSON WILLIAMS
Printed Name

STATE OF Florida
COUNTY OF

The foregoing instrument was acknowledged before me this 3rd day of October, 2008, by
RONNIE EARL WILLIAMS and GAIL ROBINSON WILLIAMS, Husband and Wife who are
personally known to me or who have produced _____ as identification and who did not
take an oath.

My Commission Expires:



[Signature]
Notary Public
Printed, typed, or stamped name:

RIDGEVIEW DRIVE

155.02'

16'-0"
CONC.
DRIVE

25'-0" STREET SIDE SETBACK

51'-7"

103'-8"

25.00' RAD

54'-3"
S

152'-1"

25'-4"



95'-4"

95'-4"

15'-0" REAR SETBACK

233.21'

54'-7"
B

93'-5"

59'-10"

SURESH & DAXA PATEL
(ISAAC CONSTRUCTION)
LOT 7, CYPRESS LAKES, PHASE II
LAKE CITY, FLORIDA 32025
(0.98 ACRES)

10'-0" SIDE SETBACK

89'-4"
S

66'-9"

25'-0" FRONT SETBACK
OPTIONAL
CIRCLE CONC. DRIVE

215.02'

GREEN ACRES DRIVE

SCALE: 1" = 30'-0"

180.36'

Columbia County Property Appraiser

DB Last Updated: 8/5/2008

Parcel: 33-3S-16-02434-107

2008 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	WILLIAMS RONNIE EARL &		
Site Address	CYPRESS LAKE PH 2		
Mailing Address	GAIL ROBINSON WILLIAMS 18250 SW 88TH PLACE MIAMI, FL 33157		
Use Desc. (code)	VACANT (000000)		
Neighborhood	33316.02	Tax District	2
UD Codes	MKTA06	Market Area	06
Total Land Area	0.888 ACRES		
Description	LOT 7 CYPRESS LAKE PHASE 2. ORB 773-2148		

GIS Aerial**Property & Assessment Values**

Mkt Land Value	cnt: (1)	\$42,500.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$42,500.00

Just Value	\$42,500.00
Class Value	\$0.00
Assessed Value	\$42,500.00
Exempt Value	\$0.00
Total Taxable Value	\$42,500.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
4/26/1993	773/2148	WD	V	Q		\$15,500.00

Building Characteristics

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

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (.888AC)	1.00/1.00/1.00/1.00	\$42,500.00	\$42,500.00

Columbia County Property Appraiser

DB Last Updated: 8/5/2008

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: rum_urnft@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: 10/8/2008 DATE ISSUED: 10/8/2008

ENHANCED 9-1-1 ADDRESS:

293 SW GREEN ACRES WAY

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

33-3S-16-02434-107

Remarks:

LOT 7 CYPRESS LAKE PHASE 2

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.

1306

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Isaac Construction - Suresh & Daxa Patel	Builder:	Isaac Construction LLC
Address:	Lot: 7, Sub: Cypress Lakes, Plat:	Permitting Office:	Columbia County
City, State:	Lake City, FL 32025-	Permit Number:	
Owner:	Patel 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: 77.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	3109 ft²		
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: 77.0 kBtu/hr
(or Single or Double DEFAULT) 7a. (Dble Default) 501.6 ft²			HSPF: 7.70
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear) 501.6 ft²		c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=5.0, 335.0(p) ft	a. Electric Resistance	Cap: 80.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Concrete, Ext Insul, Exterior	R=5.0, 2707.4 ft²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 156.0 ft²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 3264.0 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 311.0 ft		
b. N/A			

Glass/Floor Area: 0.16

Total as-built points: 35815

Total base points: 39945

PASS

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

PREPARED BY: [Signature]DATE: 11/19/08

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



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

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

ADDRESS: Lot: 7, Sub: Cypress Lakes, Plat: , Lake City, FL, 32025-

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	3109.0	18.59	10403.0	1.Double, Clear	E	1.5	10.0	63.0	42.06	0.98	2592.0
				2.Double, Clear	S	1.5	10.0	42.0	35.87	0.96	1446.0
				3.Double, Clear	SE	4.5	12.0	20.0	42.75	0.76	653.0
				4.Double, Clear	S	4.5	12.0	4.5	35.87	0.74	119.0
				5.Double, Clear	S	10.5	12.0	14.0	35.87	0.54	270.0
				6.Double, Clear	SE	13.5	12.0	12.0	42.75	0.47	241.0
				7.Double, Clear	SE	13.5	12.0	6.0	42.75	0.47	120.0
				8.Double, Clear	E	16.7	12.0	42.0	42.06	0.45	788.0
				9.Double, Clear	E	10.0	12.0	16.7	42.06	0.56	392.0
				10.Double, Clear	E	10.0	12.0	4.5	42.06	0.56	106.0
				11.Double, Clear	E	1.5	12.0	36.0	42.06	0.99	1500.0
				12.Double, Clear	S	1.5	9.0	24.0	35.87	0.94	812.0
				13.Double, Clear	S	1.5	9.0	12.0	35.87	0.94	406.0
				14.Double, Clear	W	1.5	9.0	12.0	38.52	0.97	448.0
				15.Double, Clear	W	1.5	9.0	6.0	38.52	0.97	224.0
				16.Double, Clear	W	1.5	12.0	60.0	38.52	0.99	2292.0
				17.Double, Clear	W	1.5	12.0	36.0	38.52	0.99	1375.0
				18.Double, Clear	W	11.2	14.3	42.7	38.52	0.59	972.0
				19.Double, Clear	W	11.2	14.3	14.2	38.52	0.59	324.0
				20.Double, Clear	N	1.5	8.0	30.0	19.20	0.97	557.0
				21.Double, Clear	N	1.5	8.0	4.0	19.20	0.97	74.0
				As-Built Total:		501.6			15711.0		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	156.0	0.70	109.2	1. Concrete, Ext Insul, Exterior	5.0		2707.4	0.50		1353.7	
Exterior	2707.4	1.70	4602.6	2. Frame, Wood, Adjacent	13.0		156.0	0.60		93.6	
Base Total: 2863.4 4711.8				As-Built Total:		2863.4			1447.3		
DOOR TYPES Area X BSPM = Points				Type			Area X SPM = Points				
Adjacent	0.0	0.00	0.0	1.Exterior Insulated			20.0	4.10		82.0	
Exterior	20.0	6.10	122.0								
Base Total: 20.0 122.0				As-Built Total:		20.0			82.0		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	3109.0	1.73	5378.6	1. Under Attic	30.0		3264.0	1.73 X 1.00		5646.7	
Base Total: 3109.0 5378.6				As-Built Total:		3264.0			5646.7		

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

ADDRESS: Lot: 7, Sub: Cypress Lakes, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT				
FLOOR TYPES Area X BSPM = Points				Type	R-Value	Area X SPM = Points		
Slab	335.0(p)	-37.0	-12395.0	1. Slab-On-Grade Edge Insulation	5.0	335.0(p)	-36.20	-12127.0
Raised	0.0	0.00	0.0					
Base Total:			-12395.0	As-Built Total:		335.0	-12127.0	
INFILTRATION Area X BSPM = Points				Area X SPM = Points				
3109.0 10.21 31742.9				3109.0 10.21 31742.9				
Summer Base Points: 39963.2				Summer As-Built Points: 42502.9				
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
39963.2	0.3250		12988.1	(sys 1: Central Unit 77000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 42503 1.00 (1.09 x 1.000 x 1.00) 0.260 0.950 11443.1 42502.9 1.00 1.090 0.260 0.950 11443.1				

(sys 1: Central Unit 77000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 7, Sub: Cypress Lakes, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Overhang Type/SC Ornt Len Hgt Area X WPM X WOF = Points							
.18	3109.0	20.17	11288.0	1.Double, Clear	E	1.5	10.0	63.0	18.79	1.01	1199.0
				2.Double, Clear	S	1.5	10.0	42.0	13.30	1.01	565.0
				3.Double, Clear	SE	4.5	12.0	20.0	14.71	1.22	358.0
				4.Double, Clear	S	4.5	12.0	4.5	13.30	1.34	80.0
				5.Double, Clear	S	10.5	12.0	14.0	13.30	2.53	470.0
				6.Double, Clear	SE	13.5	12.0	12.0	14.71	2.05	362.0
				7.Double, Clear	SE	13.5	12.0	6.0	14.71	2.05	181.0
				8.Double, Clear	E	16.7	12.0	42.0	18.79	1.37	1082.0
				9.Double, Clear	E	10.0	12.0	16.7	18.79	1.24	388.0
				10.Double, Clear	E	10.0	12.0	4.5	18.79	1.24	104.0
				11.Double, Clear	E	1.5	12.0	36.0	18.79	1.01	682.0
				12.Double, Clear	S	1.5	9.0	24.0	13.30	1.02	326.0
				13.Double, Clear	S	1.5	9.0	12.0	13.30	1.02	163.0
				14.Double, Clear	W	1.5	9.0	12.0	20.73	1.01	250.0
				15.Double, Clear	W	1.5	9.0	6.0	20.73	1.01	125.0
				16.Double, Clear	W	1.5	12.0	60.0	20.73	1.00	1246.0
				17.Double, Clear	W	1.5	12.0	36.0	20.73	1.00	748.0
				18.Double, Clear	W	11.2	14.3	42.7	20.73	1.14	1007.0
				19.Double, Clear	W	11.2	14.3	14.2	20.73	1.14	335.0
				20.Double, Clear	N	1.5	8.0	30.0	24.58	1.00	737.0
				21.Double, Clear	N	1.5	8.0	4.0	24.58	1.00	98.0
				As-Built Total: 501.6 10506.0							
WALL TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Adjacent	156.0	3.60	561.6	1. Concrete, Ext Insul, Exterior		5.0	2707.4	4.30	11641.8		
Exterior	2707.4	3.70	10017.4	2. Frame, Wood, Adjacent		13.0	156.0	3.30	514.8		
Base Total:	2863.4		10579.0	As-Built Total: 2863.4 12156.6							
DOOR TYPES Area X BWPM = Points				Type Area X WPM = Points							
Adjacent	0.0	0.00	0.0	1.Exterior Insulated			20.0	8.40	168.0		
Exterior	20.0	12.30	246.0								
Base Total:	20.0		246.0	As-Built Total: 20.0 168.0							
CEILING TYPES Area X BWPM = Points				Type R-Value Area X WPM X WCM = Points							
Under Attic	3109.0	2.05	6373.4	1. Under Attic		30.0	3264.0	2.05 X 1.00	6691.2		
Base Total:	3109.0		6373.4	As-Built Total: 3264.0 6691.2							

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

ADDRESS: Lot: 7, Sub: Cypress Lakes, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT				
FLOOR TYPES	Area	X	BWPM = Points	Type	R-Value	Area	X	WPM = Points
Slab	335.0(p)	8.9	2981.5	1. Slab-On-Grade Edge Insulation	5.0	335.0(p)	7.60	2546.0
Raised	0.0	0.00	0.0					
Base Total:			2981.5	As-Built Total:			335.0	2546.0
INFILTRATION Area X BWPM = Points				Area X WPM = Points				
	3109.0	-0.59	-1834.3			3109.0	-0.59	-1834.3
Winter Base Points:			29633.6	Winter As-Built Points:				30233.5
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
29633.6	0.5540		16417.0	(sys 1: Electric Heat Pump 77000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 30233.5	1.000	(1.069 x 1.000 x 1.00)	0.443	0.950 13597.3
				30233.5	1.00	1.069	0.443	0.950 13597.3

Residential Whole Building Performance Method A - Details

PERMIT #:

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	
12988		16417		10540		39945	

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 7, Sub: Cypress Lakes, Plat: , Lake City, FL, 32025-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.6

The higher the score, the more efficient the home.

Patel Residence, Lot: 7, Sub: Cypress Lakes, Plat: , Lake City, FL, 32025-

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 77.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	4	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	3109 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___		___
a. U-factor:	Description Area		13. Heating systems	
(or Single or Double DEFAULT)	7a. (Dble Default) 501.6 ft ²	___	a. Electric Heat Pump	Cap: 77.0 kBtu/hr
b. SHGC:		___		HSPF: 7.70
(or Clear or Tint DEFAULT)	7b. (Clear) 501.6 ft ²	___	b. N/A	___
8. Floor types		___	c. N/A	___
a. Slab-On-Grade Edge Insulation	R=5.0, 335.0(p) ft	___		___
b. N/A	___	___	14. Hot water systems	
c. N/A	___	___	a. Electric Resistance	Cap: 80.0 gallons
9. Wall types		___		EF: 0.90
a. Concrete, Ext Insul, Exterior	R=5.0, 2707.4 ft ²	___	b. N/A	___
b. Frame, Wood, Adjacent	R=13.0, 156.0 ft ²	___		___
c. N/A	___	___	c. Conservation credits	___
d. N/A	___	___	(HR-Heat recovery, Solar	___
e. N/A	___	___	DHP-Dedicated heat pump)	___
10. Ceiling types		___	15. HVAC credits	PT, ___
a. Under Attic	R=30.0, 3264.0 ft ²	___	(CF-Ceiling fan, CV-Cross ventilation,	___
b. N/A	___	___	HF-Whole house fan,	___
c. N/A	___	___	PT-Programmable Thermostat,	___
11. Ducts(Leak Free)		___	MZ-C-Multizone cooling,	___
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 311.0 ft	___	MZ-H-Multizone heating)	___
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: FLRCPB v4.5.2)

Energy Code Compliance

Duct System Performance Report

Project Name:	Isaac Construction - Suresh & Daxa Patel	Builder:	Isaac Construction LLC
Address:		Permitting Office:	Columbia County
City, State:	Lake City, FL 32025-	Permit Number:	
Owner:	Patel Residence	Jurisdiction Number:	
Climate Zone:	North		

Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25 _(tot)	_____ cfm25 _(out)
2	System2	_____ cfm25 _(tot)	_____ cfm25 _(out)
3	System3	_____ cfm25 _(tot)	_____ cfm25 _(out)
4	System4	_____ cfm25 _(tot)	_____ cfm25 _(out)
5	Total House Duct System Leakage	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ ($Q_{n,tot}$) ☐ Receive credit if $Q_{n,tot} \leq 0.03$	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ ($Q_{n,out}$) ☐ Receive credit if $Q_{n,out} \leq 0.03$ AND $Q_{n,tot} \leq 0.09$

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

Signature: _____

Printed Name: _____

Florida Rater Certification #:

DATE: _____

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



BUILDING OFFICIAL: _____

DATE: _____

BUILDING INPUT SUMMARY REPORT

PROJECT	Title:	Isaac Construction - Suresh	Family Type:	Single	Address Type:	Lot Information		
	Owner:	Patel Residence	New/Existing:	New	Lot #:	7		
	# of Units:	1	Bedrooms:	4	Subdivision:	Cypress Lakes		
	Builder Name:	Isaac Construction LLC	Conditioned Area:	3109	Platbook:	(blank)		
	Climate:	North	Total Stories:	1	Street:	N/A		
	Permit Office:	Columbia County	Worst Case:	No	County:	Columbia County		
	Jurisdiction #:	(blank)	Rotate Angle:	(blank)	City, St, Zip:	Lake City, FL, 32025-		
FLOORS	#	Floor Type	R-Val	Area/Perimeter	Units			
	1	Slab-On-Grade Edge Insulation	5.0	335.0(p) ft	1			
DOORS	#	Door Type	Orientation	Area	Units			
	1	Insulated	Exterior	20.0 ft²	1			
CEILINGS	#	Ceiling Type	R-Val	Area	Base Area	Units		
	1	Under Attic	30.0	3264.0 ft²	3109.0 ft²	1		
Credit Multipliers: None								
COOLING	#	System Type	Efficiency	Capacity				
	1	Central Unit	SEER: 13.00	77.0 kBtu/hr				
Credit Multipliers: PT								
WALLS	#	Wall Type	Location	R-Val	Area	Units		
	1	Concrete Block - Ext Insul	Exterior	5.0	2707.4 ft²	1		
	2	Frame - Wood	Adjacent	13.0	156.0 ft²	1		
Credit Multipliers: PT								
DUCTS	#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length		
	1	Uncond.	Uncond.	Garage	6.0	311.0 ft		
Credit Multipliers: Leak free								
WATER	#	System Type	EF	Cap.	Conservation Type	Con. EF		
	1	Electric Resistance	0.90	80.0	None	0.00		
REFR.	#	Use Default?	Annual Operating Cost	Electric Rate				
	1	Yes	N/A	N/A				
WINDOWS	#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
	1	Double	Clear	E	21.0 ft²	1.5 ft	10.0 ft	3
	2	Double	Clear	S	21.0 ft²	1.5 ft	10.0 ft	2
	3	Double	Clear	SE	20.0 ft²	4.5 ft	12.0 ft	1
	4	Double	Clear	S	4.5 ft²	4.5 ft	12.0 ft	1
	5	Double	Clear	S	14.0 ft²	10.5 ft	12.0 ft	1
	6	Double	Clear	SE	12.0 ft²	13.5 ft	12.0 ft	1
	7	Double	Clear	SE	6.0 ft²	13.5 ft	12.0 ft	1
	8	Double	Clear	E	21.0 ft²	16.7 ft	12.0 ft	2
	9	Double	Clear	E	16.7 ft²	10.0 ft	12.0 ft	1
	10	Double	Clear	E	4.5 ft²	10.0 ft	12.0 ft	1
	11	Double	Clear	E	18.0 ft²	1.5 ft	12.0 ft	2
	12	Double	Clear	S	12.0 ft²	1.5 ft	9.0 ft	2
	13	Double	Clear	S	12.0 ft²	1.5 ft	9.0 ft	1
	14	Double	Clear	W	12.0 ft²	1.5 ft	9.0 ft	1
	15	Double	Clear	W	6.0 ft²	1.5 ft	9.0 ft	1
	16	Double	Clear	W	15.0 ft²	1.5 ft	12.0 ft	4
	17	Double	Clear	W	18.0 ft²	1.5 ft	12.0 ft	2
	18	Double	Clear	W	21.3 ft²	11.2 ft	14.3 ft	2
	19	Double	Clear	W	14.2 ft²	11.2 ft	14.3 ft	1
	20	Double	Clear	N	15.0 ft²	1.5 ft	8.0 ft	2
21	Double	Clear	N	4.0 ft²	1.5 ft	8.0 ft	1	
MISC	Rater Name:	CodeOnlyPro	Class #:	3	Pool Size:	0		
	Rater Certification #:	CodeOnlyPro	Duct Leakage Type:	N/A	Pump Size:	0.00 hp		
	Area Under Fluorescent:	0.0	Visible Duct Disconnects:	N/A	Dryer Type:	Electric		
	Area Under Incandescent:	3109.0	Leak Free Duct System Proposed:	Yes	Stove Type:	Electric		
	NOTE: Not all Rating info shown		HRV/ERV System Present?:	No	Avg Ceil Hgt:			

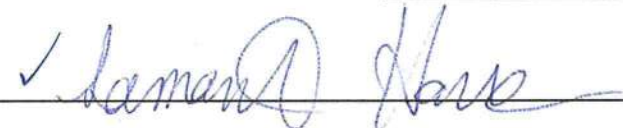
Columbia County Building Department Culvert Permit

Culvert Permit No.
000001690

DATE 12/01/2008 PARCEL ID # 33-3S-16-02434-107
APPLICANT SAMANTHA HARRINGTON PHONE 386.719.7143
ADDRESS 125 SW MIDTON PLACE, STE 101 LAKE CITY FL 32025
OWNER SURESH & DAXA PATEL PHONE _____
ADDRESS 293 SW GREEN ACRES WAY LAKE CITY FL 32024
CONTRACTOR ISAAC BRATKOVICH PHONE 386.719.714
LOCATION OF PROPERTY 90-W TO CYPRESS LAKE S.D., TL TO SWEETBREEZE, TR TO RIDGEVIEW PL, TR
PROPERTY ON L CORNER OF RIDGEVIEW & GREEN ACRES WAY.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT CYPRESS LAKE 7 2

SIGNATURE



INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

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



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

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

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

Amount Paid 25.00



NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 33-3S-16-02434-107

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

1. Description of property (legal description): Lot 7 Cypress Lake Phase 2
a) Street (job) Address: _____
2. General description of improvements: new construction of home
3. Owner Information
a) Name and address: Suresh & Daxa Patel 2764 W US Hwy 90 Lake City, FL 32055
b) Name and address of fee simple titleholder (if other than owner) _____
c) Interest in property owner
4. Contractor Information
a) Name and address: Isaac Construction, LLC 125 SW Midtown Pl Ste #101 Lake City, FL 32025
b) Telephone No.: 386-719-7143 Fax No. (Opt.) 386-719-4757
5. Surety Information
a) Name and address: _____
b) Amount of Bond: _____
c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
a) Name and address: Columbia Bank 173 NW Hillsboro St. Lake City, FL 32055
b) Phone No. 386-752-5646
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: _____
b) Telephone No.: _____ Fax No. (Opt.) _____
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
a) Name and address: _____
b) Telephone No.: _____ Fax No. (Opt.) _____
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Daxa Patel
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager
Daxa Patel
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 26th day of Nov, 2008, by:
Daxa Patel 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 Barbara C Webster Notary Stamp or Seal:



BARBARA C. WEBSTER
MY COMMISSION # DD 800888
EXPIRES: July 2, 2012
Bonded Thru Budget Notary Services

—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.

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

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (386) 752-1854
FAX (386) 755-7022
904 NW MAIN BLVD.
LAKE CITY, FLORIDA 32056

October 13, 2008

Notice To All Contractors:

To: Isaac Construction

Re: Daxa Patel

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

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

Thank You,

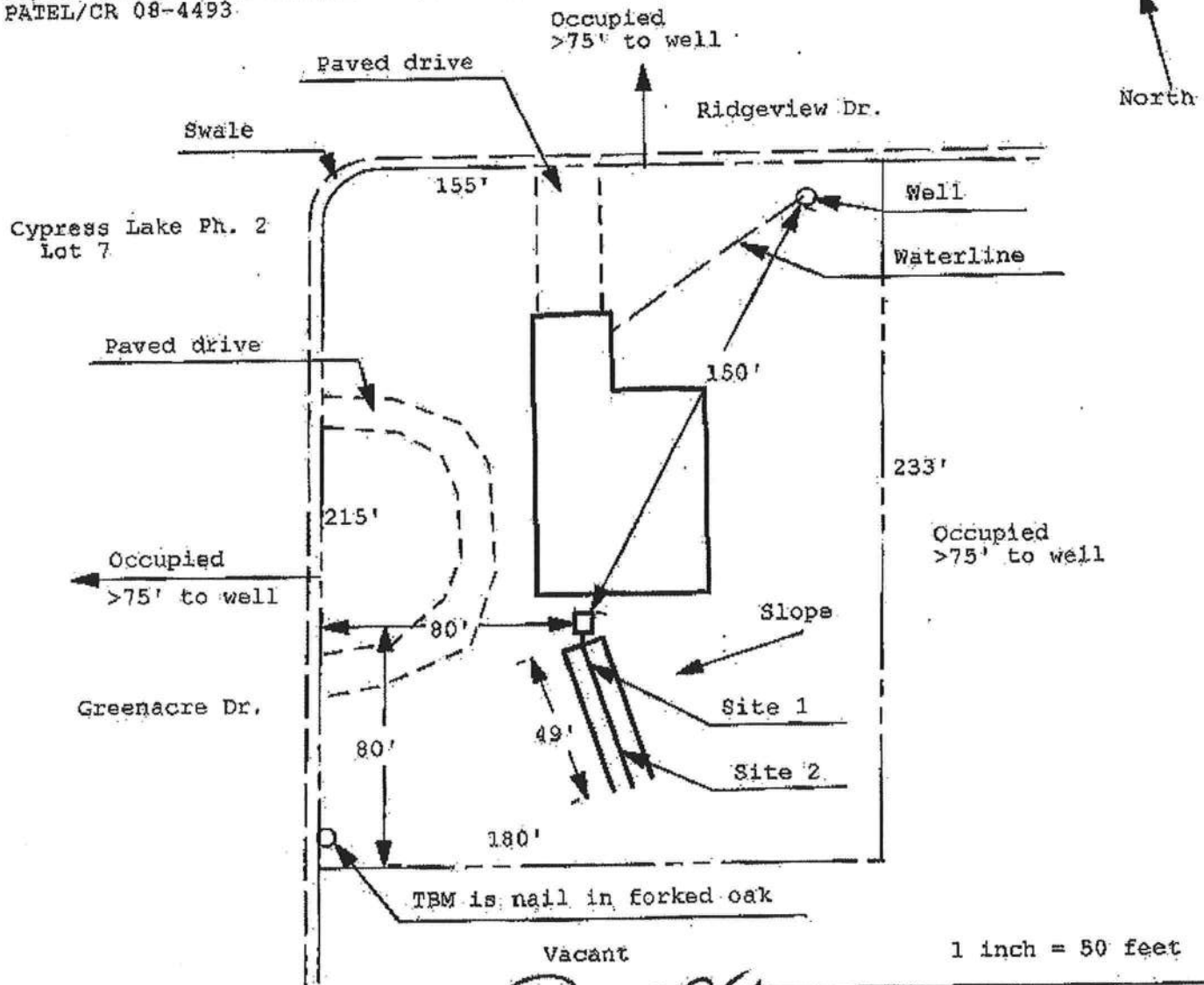
Donald Hall

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

Permit Application Number: 08-0718

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

PATEL/CR 08-4493



Site Plan Submitted By Paul L. Patel

Date 10/19/08

Plan Approved ☒ Not Approved ☐

Date 11-12-08

By Mark A. Zumb

CPHU

Notes:

11-17-08; 10:03AM; ENVIRONMENTAL

3867562187

1/ 2

STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES
ONSITE SEWAGE DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT
Authority: Chapter 200 FS & Chapter 10D-6, FAC

PERMIT # 901629
DATE PAID 7-3-00
FEE PAID \$ 7-7238
RECEIPT # 1079778
CR # 08-4493

LC

APPLICATION FOR:

☒ New System ☐ Existing System ☐ Holding Tank ☐ Temporary/Experimental System
☐ Repair ☐ Abandonment ☐ Other (Specify) _____

APPLICANT: SURESH & DAXA PATELTELEPHONE: 386-716-7143AGENT: ISAAC CONSTRUCTIONMAILING ADDRESS: 126 SW MIDTOWN PLACE CITY: LAKE CITY STATE: FL ZIP: 32026

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. ATTACH BUILDING PLAN AND TO-SCALE SITE PLAN SHOWING PERTINENT FEATURES REQUIRED BY CHAPTER 10D-6, FLORIDA ADMINISTRATIVE CODE.

PROPERTY INFORMATION (IF LOT IS NOT IN A RECORDED SUBDIVISION, ATTACH LEGAL DESCRIPTION OR DEED

LOT: 7 BLOCK: 5/A SUBDIVISION: CYPRESS LAKE PHASE 2 DATE SUBD: 8/4PROPERTY ID #: 33-38-16-02434-107 (Section/Township/Range/Parcel) ZONING: SEAPROPERTY SIZE: 0.98 ACRES [Sqft/43560] PROPERTY WATER SUPPLY: ☒ PRIVATE ☐ PUBLICPROPERTY STREET ADDRESS: SW GREENACRE DRIVE

DIRECTIONS TO PROPERTY: HIGHWAY 90 WEST, TL ON SWEETBREEZE DRIVE, TR ON RIDGEVIEW PLACE TO END,
SITE ON LEFT AT CORNER WITH GREENACRE WAY

BUILDING INFORMATION

☒ RESIDENTIAL☐ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	# Persons Served	Business Activity For Commercial Only
1	HOUSE	4	3057	4	402600
2					
3					
4					

☐ Garbage Grinders/Disposals
☐ Ultra-low Volume Flush Toilets

☐ Spas/Hot Tubs
☐ Other (Specify) _____

☐ Floor/Equipment DrainAPPLICANT'S SIGNATURE: Lamanta HarringtonDATE: 10/13/08

08/11-23

Residential System Sizing Calculation

Summary

Patel Residence

Project Title:

Isaac Construction - Suresh & Daxa Patel

Code Only

Professional Version

Lake City, FL 32025-

Climate: North

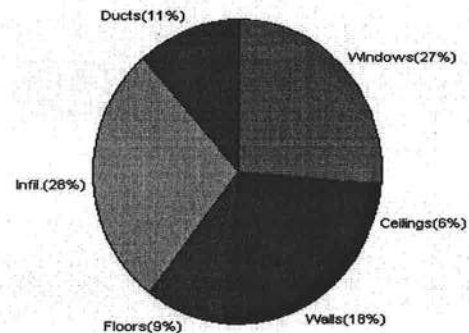
11/19/2008

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	60713	Btuh	Total cooling load calculation	70728	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	126.8	77000	Sensible (SHR = 0.75)	102.3	57750
Heat Pump + Auxiliary(0.0kW)	126.8	77000	Latent	135.0	19250
			Total (Electric Heat Pump)	108.9	77000

WINTER CALCULATIONS

Winter Heating Load (for 3109 sqft)

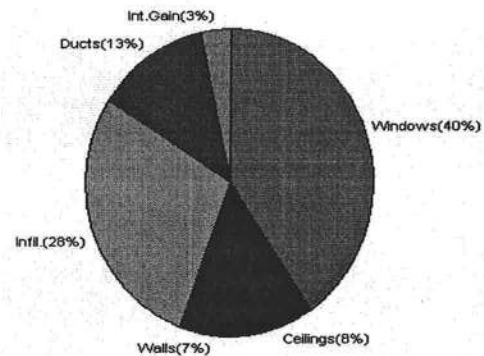
Load component		Load
Window total	502 sqft	16145 Btuh
Wall total	2863 sqft	11226 Btuh
Door total	20 sqft	259 Btuh
Ceiling total	3264 sqft	3846 Btuh
Floor total	335 sqft	5479 Btuh
Infiltration	415 cfm	16791 Btuh
Duct loss		6966 Btuh
Subtotal		60713 Btuh
Ventilation	0 cfm	0 Btuh
TOTAL HEAT LOSS		60713 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 3109 sqft)

Load component		Load
Window total	502 sqft	28534 Btuh
Wall total	2863 sqft	5245 Btuh
Door total	20 sqft	196 Btuh
Ceiling total	3264 sqft	5405 Btuh
Floor total		0 Btuh
Infiltration	363 cfm	6751 Btuh
Internal gain		2400 Btuh
Duct gain		7939 Btuh
Sens. Ventilation	0 cfm	0 Btuh
Total sensible gain		56470 Btuh
Latent gain(ducts)		1003 Btuh
Latent gain(infiltration)		13256 Btuh
Latent gain(ventilation)		0 Btuh
Latent gain(internal/occupants/other)		0 Btuh
Total latent gain		14259 Btuh
TOTAL HEAT GAIN		70728 Btuh



Version 8

For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.5.2

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Patel Residence

Project Title:

Code Only

Isaac Construction - Suresh & Daxa Patel

Professional Version

Lake City, FL 32025-

Climate: North

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

11/19/2008

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	E	63.0		32.2	2028 Btuh
2	2, Clear, Metal, 0.87	S	42.0		32.2	1352 Btuh
3	2, Clear, Metal, 0.87	SE	20.0		32.2	644 Btuh
4	2, Clear, Metal, 0.87	S	4.5		32.2	145 Btuh
5	2, Clear, Metal, 0.87	S	14.0		32.2	451 Btuh
6	2, Clear, Metal, 0.87	SE	12.0		32.2	386 Btuh
7	2, Clear, Metal, 0.87	SE	6.0		32.2	193 Btuh
8	2, Clear, Metal, 0.87	E	42.0		32.2	1352 Btuh
9	2, Clear, Metal, 0.87	E	16.7		32.2	537 Btuh
10	2, Clear, Metal, 0.87	E	4.5		32.2	145 Btuh
11	2, Clear, Metal, 0.87	E	36.0		32.2	1159 Btuh
12	2, Clear, Metal, 0.87	S	24.0		32.2	773 Btuh
13	2, Clear, Metal, 0.87	S	12.0		32.2	386 Btuh
14	2, Clear, Metal, 0.87	W	12.0		32.2	386 Btuh
15	2, Clear, Metal, 0.87	W	6.0		32.2	193 Btuh
16	2, Clear, Metal, 0.87	W	60.0		32.2	1931 Btuh
17	2, Clear, Metal, 0.87	W	36.0		32.2	1159 Btuh
18	2, Clear, Metal, 0.87	W	42.7		32.2	1374 Btuh
19	2, Clear, Metal, 0.87	W	14.2		32.2	458 Btuh
20	2, Clear, Metal, 0.87	N	30.0		32.2	966 Btuh
21	2, Clear, Metal, 0.87	N	4.0		32.2	129 Btuh
Window Total			502(sqft)			16145 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Concrete Blk, Filled - Ext(0.11)	5.0	2707		4.0	10714 Btuh
2	Frame - Wood - Adj(0.09)	13.0	156		3.3	512 Btuh
Wall Total			2863			11226 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
Door Total			20			259 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	3264		1.2	3846 Btuh
Ceiling Total			3264			3846 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	5	335.0	ft(p)	16.4	5479 Btuh
Floor Total			335			5479 Btuh
Envelope Subtotal:						36955 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	Load
	Natural	0.80	31090	2863	414.5	16791 Btuh
(DLM of 0.130)						6966 Btuh
Ductload						

Manual J Winter Calculations

Residential Load - Component Details (continued)

Patel Residence
Lake City, FL 32025-

Project Title:
Isaac Construction - Suresh & Daxa Patel

Code Only
Professional Version
Climate: North

11/19/2008

All Zones	Sensible Subtotal All Zones	60713 Btuh
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WHOLE HOUSE TOTALS

	Subtotal Sensible	60713 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	60713 Btuh

EQUIPMENT

1. Electric Heat Pump	#	77000 Btuh
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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)



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Patel Residence

Project Title:

Code Only

Isaac Construction - Suresh & Daxa Patel

Professional Version

Lake City, FL 32025-

Climate: North

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

11/19/2008

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	E	63.0		32.2	2028 Btuh
2	2, Clear, Metal, 0.87	S	42.0		32.2	1352 Btuh
3	2, Clear, Metal, 0.87	SE	20.0		32.2	644 Btuh
4	2, Clear, Metal, 0.87	S	4.5		32.2	145 Btuh
5	2, Clear, Metal, 0.87	S	14.0		32.2	451 Btuh
6	2, Clear, Metal, 0.87	SE	12.0		32.2	386 Btuh
7	2, Clear, Metal, 0.87	SE	6.0		32.2	193 Btuh
8	2, Clear, Metal, 0.87	E	42.0		32.2	1352 Btuh
9	2, Clear, Metal, 0.87	E	16.7		32.2	537 Btuh
10	2, Clear, Metal, 0.87	E	4.5		32.2	145 Btuh
11	2, Clear, Metal, 0.87	E	36.0		32.2	1159 Btuh
12	2, Clear, Metal, 0.87	S	24.0		32.2	773 Btuh
13	2, Clear, Metal, 0.87	S	12.0		32.2	386 Btuh
14	2, Clear, Metal, 0.87	W	12.0		32.2	386 Btuh
15	2, Clear, Metal, 0.87	W	6.0		32.2	193 Btuh
16	2, Clear, Metal, 0.87	W	60.0		32.2	1931 Btuh
17	2, Clear, Metal, 0.87	W	36.0		32.2	1159 Btuh
18	2, Clear, Metal, 0.87	W	42.7		32.2	1374 Btuh
19	2, Clear, Metal, 0.87	W	14.2		32.2	458 Btuh
20	2, Clear, Metal, 0.87	N	30.0		32.2	966 Btuh
21	2, Clear, Metal, 0.87	N	4.0		32.2	129 Btuh
Window Total			502(sqft)			16145 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Concrete Blk,Filled - Ext(0.11)	5.0	2707		4.0	10714 Btuh
2	Frame - Wood - Adj(0.09)	13.0	156		3.3	512 Btuh
Wall Total			2863			11226 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
Door Total			20			259Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	3264		1.2	3846 Btuh
Ceiling Total			3264			3846Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	5	335.0 ft(p)		16.4	5479 Btuh
Floor Total			335			5479 Btuh
Zone Envelope Subtotal:						36955 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.80	31090	2863	414.5	16791 Btuh
Ductload	Pro. leak free, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.130)					6966 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Patel Residence
Lake City, FL 32025-

Project Title:
Isaac Construction - Suresh & Daxa Patel

Code Only
Professional Version
Climate: North

11/19/2008

Zone #1	Sensible Zone Subtotal	60713 Btuh
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WHOLE HOUSE TOTALS

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	60713 Btuh 0 Btuh 60713 Btuh
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EQUIPMENT

1. Electric Heat Pump	#	77000 Btuh
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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)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Patel Residence

Project Title:

Code Only

Isaac Construction - Suresh & Daxa Patel

Professional Version

Lake City, FL 32025-

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

11/19/2008

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, 0.87, None,N,N	E	1.5ft	10ft.	63.0	0.0	63.0	29	80	5010	Btuh	
2	2, Clear, 0.87, None,N,N	S	1.5ft	10ft.	42.0	39.1	2.9	29	34	1230	Btuh	
3	2, Clear, 0.87, None,N,N	SE	4.5ft	12ft.	20.0	6.7	13.3	29	63	1025	Btuh	
4	2, Clear, 0.87, None,N,N	S	4.5ft	12ft.	4.5	4.5	0.0	29	34	130	Btuh	
5	2, Clear, 0.87, None,N,N	S	10.5f	12ft.	14.0	14.0	0.0	29	34	405	Btuh	
6	2, Clear, 0.87, None,N,N	SE	13.5f	12ft.	12.0	12.0	0.0	29	63	348	Btuh	
7	2, Clear, 0.87, None,N,N	SE	13.5f	12ft.	6.0	6.0	0.0	29	63	174	Btuh	
8	2, Clear, 0.87, None,N,N	E	16.6	12ft.	42.0	42.0	0.0	29	80	1216	Btuh	
9	2, Clear, 0.87, None,N,N	E	10ft.	12ft.	16.7	7.4	9.3	29	80	951	Btuh	
10	2, Clear, 0.87, None,N,N	E	10ft.	12ft.	4.5	0.0	4.5	29	80	358	Btuh	
11	2, Clear, 0.87, None,N,N	E	1.5ft	12ft.	36.0	0.0	36.0	29	80	2863	Btuh	
12	2, Clear, 0.87, None,N,N	S	1.5ft	9ft.	24.0	24.0	0.0	29	34	695	Btuh	
13	2, Clear, 0.87, None,N,N	S	1.5ft	9ft.	12.0	12.0	0.0	29	34	348	Btuh	
14	2, Clear, 0.87, None,N,N	W	1.5ft	9ft.	12.0	0.0	12.0	29	80	954	Btuh	
15	2, Clear, 0.87, None,N,N	W	1.5ft	9ft.	6.0	0.0	6.0	29	80	477	Btuh	
16	2, Clear, 0.87, None,N,N	W	1.5ft	12ft.	60.0	0.0	60.0	29	80	4771	Btuh	
17	2, Clear, 0.87, None,N,N	W	1.5ft	12ft.	36.0	0.0	36.0	29	80	2863	Btuh	
18	2, Clear, 0.87, None,N,N	W	11.1	14.3	42.7	15.7	27.0	29	80	2602	Btuh	
19	2, Clear, 0.87, None,N,N	W	11.1	14.3	14.2	0.0	14.2	29	80	1131	Btuh	
20	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	30.0	0.0	30.0	29	29	869	Btuh	
21	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	4.0	0.0	4.0	29	29	116	Btuh	
Window Total						502 (sqft)					28534 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load		
1	Concrete Blk,Filled - Ext	5.0/0.11			2707.4			1.9		5009 Btuh		
2	Frame - Wood - Adj	13.0/0.09			156.0			1.5		235 Btuh		
Wall Total						2863 (sqft)					5245 Btuh	
Doors	Type				Area (sqft)			HTM		Load		
1	Insulated - Exterior				20.0			9.8		196 Btuh		
Door Total						20 (sqft)					196 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle	30.0			3264.0			1.7		5405 Btuh		
Ceiling Total						3264 (sqft)					5405 Btuh	
Floors	Type	R-Value			Size			HTM		Load		
1	Slab On Grade	5.0			335 (ft(p))			0.0		0 Btuh		
Floor Total						335.0 (sqft)					0 Btuh	
Envelope Subtotal:										39380 Btuh		
Infiltration	Type	ACH			Volume(cuft)			wall area(sqft)		CFM=		Load
	SensibleNatural	0.70			31090			2863		414.5		6751 Btuh
Internal gain		Occupants			Btuh/occupant			Appliance		Load		
		0			X 230			+		2400		2400 Btuh
Sensible Envelope Load:										48531 Btuh		
(DGM of 0.164)										7939 Btuh		
Sensible Load All Zones										56470 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Patel Residence

Project Title:

Code Only

Isaac Construction - Suresh & Daxa Patel

Professional Version

Lake City, FL 32025-

Climate: North

11/19/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	48531 Btuh
	Sensible Duct Load	7939 Btuh
	Total Sensible Zone Loads	56470 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	56470 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	13256 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1003 Btuh
	Latent occupant gain (0 people @ 200 Btuh per person)	0 Btuh
	Latent other gain	0 Btuh
	Latent total gain	14259 Btuh
	TOTAL GAIN	70728 Btuh

EQUIPMENT

1. Central Unit	#	77000 Btuh
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*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)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Patel Residence

Project Title:

Code Only

Isaac Construction - Suresh & Daxa Patel

Professional Version

Lake City, FL 32025-

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

11/19/2008

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	E	1.5ft	10ft.	63.0	0.0	63.0	29	80	5010	Btuh
2	2, Clear, 0.87, None,N,N	S	1.5ft	10ft.	42.0	39.1	2.9	29	34	1230	Btuh
3	2, Clear, 0.87, None,N,N	SE	4.5ft	12ft.	20.0	6.7	13.3	29	63	1025	Btuh
4	2, Clear, 0.87, None,N,N	S	4.5ft	12ft.	4.5	4.5	0.0	29	34	130	Btuh
5	2, Clear, 0.87, None,N,N	S	10.5f	12ft.	14.0	14.0	0.0	29	34	405	Btuh
6	2, Clear, 0.87, None,N,N	SE	13.5f	12ft.	12.0	12.0	0.0	29	63	348	Btuh
7	2, Clear, 0.87, None,N,N	SE	13.5f	12ft.	6.0	6.0	0.0	29	63	174	Btuh
8	2, Clear, 0.87, None,N,N	E	16.6	12ft.	42.0	42.0	0.0	29	80	1216	Btuh
9	2, Clear, 0.87, None,N,N	E	10ft.	12ft.	16.7	7.4	9.3	29	80	951	Btuh
10	2, Clear, 0.87, None,N,N	E	10ft.	12ft.	4.5	0.0	4.5	29	80	358	Btuh
11	2, Clear, 0.87, None,N,N	E	1.5ft	12ft.	36.0	0.0	36.0	29	80	2863	Btuh
12	2, Clear, 0.87, None,N,N	S	1.5ft	9ft.	24.0	24.0	0.0	29	34	695	Btuh
13	2, Clear, 0.87, None,N,N	S	1.5ft	9ft.	12.0	12.0	0.0	29	34	348	Btuh
14	2, Clear, 0.87, None,N,N	W	1.5ft	9ft.	12.0	0.0	12.0	29	80	954	Btuh
15	2, Clear, 0.87, None,N,N	W	1.5ft	9ft.	6.0	0.0	6.0	29	80	477	Btuh
16	2, Clear, 0.87, None,N,N	W	1.5ft	12ft.	60.0	0.0	60.0	29	80	4771	Btuh
17	2, Clear, 0.87, None,N,N	W	1.5ft	12ft.	36.0	0.0	36.0	29	80	2863	Btuh
18	2, Clear, 0.87, None,N,N	W	11.1	14.3	42.7	15.7	27.0	29	80	2602	Btuh
19	2, Clear, 0.87, None,N,N	W	11.1	14.3	14.2	0.0	14.2	29	80	1131	Btuh
20	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	30.0	0.0	30.0	29	29	869	Btuh
21	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	4.0	0.0	4.0	29	29	116	Btuh
Window Total					502 (sqft)					28534 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
	1 Concrete Blk,Filled - Ext		5.0/0.11		2707.4			1.9		5009 Btuh	
	2 Frame - Wood - Adj		13.0/0.09		156.0			1.5		235 Btuh	
Wall Total					2863 (sqft)					5245 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
	1 Insulated - Exterior				20.0			9.8		196 Btuh	
	Door Total				20 (sqft)					196 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load	
	1 Vented Attic/DarkShingle		30.0		3264.0			1.7		5405 Btuh	
	Ceiling Total				3264 (sqft)					5405 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
	1 Slab On Grade		5.0		335 (ft(p))			0.0		0 Btuh	
	Floor Total				335.0 (sqft)					0 Btuh	
Zone Envelope Subtotal:										39380 Btuh	
Infiltration	Type		ACH		Volume(cuft)		wall area(sqft)		CFM=		Load
	SensibleNatural		0.70		31090		2863		362.7		6751 Btuh
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			0		X 230 +			2400		2400 Btuh	
Sensible Envelope Load:										48531 Btuh	
Duct load	Prop. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)							(DGM of 0.164)		7939 Btuh	
Sensible Zone Load										56470 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Patel Residence

Project Title:

Code Only

Lake City, FL 32025-

Isaac Construction - Suresh & Daxa Patel

Professional Version

Climate: North

11/19/2008

Manual J Summer Calculations

Residential Load - Component Details (continued)

Patel Residence

Project Title:

Code Only

Isaac Construction - Suresh & Daxa Patel

Professional Version

Lake City, FL 32025-

Climate: North

11/19/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	48531 Btuh
	Sensible Duct Load	7939 Btuh
	Total Sensible Zone Loads	56470 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	56470 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	13256 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1003 Btuh
	Latent occupant gain (0 people @ 200 Btuh per person)	0 Btuh
	Latent other gain	0 Btuh
	Latent total gain	14259 Btuh
	TOTAL GAIN	70728 Btuh

EQUIPMENT

1. Central Unit	#	77000 Btuh
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*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)



Version 8
For Florida residences only

**COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST
FOR THE FLORIDA RESIDENTIAL BUILDING CODE 2004 with 2005 & 2006
Supplements and One (1) and Two (2) Family Dwellings**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current FLORIDA BUILDING CODES and the Current FLORIDA RESIDENTIAL CODE. ALL PLANS OR DRAWING SHALL PROVIDED 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 SPEEDS ARE PER FIGURE R301.2(4) of the Residential Code (Florida Wind speed map) 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

GENERAL REQUIREMENTS:

- ✓ Two (2) complete sets of plans containing the following:
- ✓ All drawings must be clear, concise and drawn to scale, details that are not used shall be marked void
- ✓ Condition space (Sq. Ft.) and total (Sq. Ft.) under roof shall be shown on the plans.
- ✓ Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents per FBC 106.1.

Site Plan information including:

- ✓ Dimensions of lot or parcel of land
- ✓ Dimensions of all building set backs
- ✓ Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.
- ✓ Provide a full legal description of property.

Wind-load Engineering Summary, calculations and any details required:

- ✓ Plans or specifications must meet state compliance with FRC Chapter 3
- ✓ The following information must be shown as per section FRC
- ✓ Basic wind speed (3-second gust), miles per hour
- ✓ Wind importance factor and nature of occupancy
- ✓ Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
- ✓ The applicable internal pressure coefficient, Components and Cladding The design wind pressure in terms of psf (kN/m^2), to be used for the design of exterior component and cladding materials not specifiably designed by the registered design professional.

Elevations Drawing including:

- ✓ All side views of the structure
- ✓ Roof pitch
- ✓ Overhang dimensions and detail with attic ventilation
- ✓ Location, size and height above roof of chimneys
- ✓ Location and size of skylights with Florida Product Approval
- ✓ Number of stories
- ✓ e) Building height from the established grade to the roofs highest peak

Floor Plan including:

- ✓ Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies and raised floor surfaces located more than 30 inches above the floor or grade
- ✓ All exterior and interior shear walls indicated
- ✓ Shear wall opening shown (Windows, Doors and Garage doors)
- ✓ Emergency escape and rescue opening in each bedroom (net clear opening shown)
- ✓ Safety glazing of glass where needed
- ✓ Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FRC)
- Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FRC 311)
- Plans must show and identify accessibility of bathroom (see FRC 322)

All materials placed within opening or onto/into exterior shear walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans (see Florida product approval form)

Foundation Plans Per FRC 403:

- ✓ a) Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.
- ✓ b) All posts and/or column footing including size and reinforcing
- ✓ c) Any special support required by soil analysis such as piling.
- d) Assumed load-bearing value of soil _____ (psf)
- ✓ e) Location of horizontal and vertical steel, for foundation or walls (include # size and type)

CONCRETE SLAB ON GRADE Per FRC R506

- ✓ Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
- ✓ Show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and Supports

PROTECTION AGAINST TERMITES Per FRC 320:

- ✓ Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or submit other approved termite protection methods. Protection shall be provided by registered termiticides

Masonry Walls and Stem walls (load bearing & shear Walls) FRC Section R606

- ✓ Show all materials making up walls, wall height, and Block size, mortar type
 - ✓ Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement
- Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect**

Floor Framing System: First and/or second story

- ✓ Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer
- ✓ Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers
- ✓ Girder type, size and spacing to load bearing walls, stem wall and/or piers
- ✓ Attachment of joist to girder
- ✓ Wind load requirements where applicable
- ✓ Show required under-floor crawl space
- ✓ Show required amount of ventilation opening for under-floor spaces
- ✓ Show required covering of ventilation opening.
- ✓ Show the required access opening to access to under-floor spaces
- ✓ Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing
- ✓ Show Draft stopping, Fire caulking and Fire blocking
- ✓ Show fireproofing requirements for garages attached to living spaces, per FRC section R309
- ✓ Provide live and dead load rating of floor framing systems (psf).

WOOD WALL FRAMING CONSTRUCTION FRC CHAPTER 6

- ✓ Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls.
- ✓ Fastener schedule for structural members per table R602.3 (1) are to be shown.
- ✓ Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing
- ✓ Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems.
- ✓ Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FRC Table R502.5 (1)
- ✓ Indicate where pressure treated wood will be placed.
- ✓ Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas
- ✓ A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail

ROOF SYSTEMS:

- ✓ Truss design drawing shall meet section FRC R802.10 Wood trusses. Include a layout and truss details and be signed and sealed by Fl. Pro. Eng.
- ✓ Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters
- ✓ Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details
- ✓ Provide dead load rating of trusses

Conventional Roof Framing Layout Per FRC 802:

- ✓ Rafter and ridge beams sizes, span, species and spacing
- ✓ Connectors to wall assemblies' include assemblies' resistance to uplift rating.
- ✓ Valley framing and support details
- ✓ Provide dead load rating of rafter system.

ROOF SHEATHING FRC Table R602,3(2) FRC 803

- ✓ Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing on the edges & intermediate areas

ROOF ASSEMBLIES FRC Chapter 9

- ✓ Include all materials which will make up the roof assemblies covering; with Florida Product Approval numbers for each component of the roof assemblies covering.

FCB Chapter 13 Florida Energy Efficiency Code for Building Construction

- ✓ Residential construction shall comply with this code by using the following compliance methods in the FBC Subchapter 13-6, Residential buildings compliance methods. Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area
- ✓ Show the insulation R value for the following areas of the structure: Attic space, Exterior wall cavity and Crawl space (if applicable)

HVAC information shown

- ✓ Manual J sizing equipment or equivalent computation
- ✓ Exhaust fans locations in bathrooms

Plumbing Fixture layout shown

- ✓ All fixtures waste water lines shall be shown on the foundation plan

Electrical layout shown including:

- ✓ Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- ✓ Ceiling fans
- ✓ Smoke detectors
- ✓ Service panel, sub-panel, location(s) and total ampere ratings

- ✓ On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.
- ✓ Appliances and HVAC equipment and disconnects
- ✓ Arc Fault Circuits (AFCI) in bedrooms
- Notarized Disclosure Statement for Owner Builders
- ✓ Notice of Commencement Recorded (in the Columbia County Clerk Office) Notice Of Commencement is required to be filed with the building department Before Any Inspections Will Be Done.

Private Potable Water

- ✓ Size of pump motor
- ✓ Size of pressure tank
- Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

- Building Permit Application: A current Building Permit Application form is to be completed and submitted for all residential projects.
- ✓ 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.
- 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)
- 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
- 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. The permit cost is \$50.00.
- 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.
- ✓ 911 Address: If the project is located in an area where the 911 address has been issued, then the proper Paper work from the 911 Addressing Departments must be submitted. (386) 758-1125

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. NOTIFICATION WILL BE GIVEN WHEN THE APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT.

PRODUCT APPROVAL SPECIFICATION SHEET

Location: 293 SW Green Acres

Project Name: Daxa Patel

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	Plast Pro, Inc	3068 x 6068 Fiber glass	4760.1 & 4760.2
2. Sliding	Capital	8065	7055.1
3. Sectional	Raynor	classic sectional garage door	FL-3070
4. Roll up	Saginaw	Model 3100- Rolling Sheet door	FL-2274
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	Capital	48 x 84	6029.7
2. Horizontal Slider	Capital	126 x 59	6024.4
3. Casement			
4. Double Hung	David	Single hung window	FL-1369
5. Fixed	Capital	96 x 72	6028.2C
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	Alcoa	Vinyl Siding	FL-1621
2. Soffits	Asi building	Aluminum & Vinyl Soffit	FL-5546 1+2
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	Tamko	30 year shingles asphalt	FL-373
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/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. 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	Wood connector/anchor	FL-1494
2. Truss plates	Alpine Engineered	Pro Built - Alpine Truss Plates	FL-1999
3. Engineered lumber	LPEWP	Laminated Beams, Joist	FL-1511
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
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

Samantha Harrington
Contractor or Contractor's Authorized Agent Signature

Samantha Harrington 10/13/08
Print Name Date

Location

Permit # (FOR STAFF USE ONLY)

Samantha Harrington

From: Isaac Bratkovich
Sent: Tuesday, October 07, 2008 4:08 PM
To: Samantha Harrington
Subject: RE: Another question

Hwy 90 W to Cypress Lake.
Turn left (south) off of hwy 90
Take the first right
Go around the split road at the tree
Go to the end of the road to the T intersection
It will be the corner lot on the left side
Thank you so much,

WITH THE WARMEST REGARD,

ISAAC / ISAAC CONSTRUCTION, LLC.

From: Samantha Harrington
Sent: Tuesday, October 07, 2008 3:43 PM
To: Isaac Bratkovich
Subject: Another question

Can I have the driving directions to the Daxa Patel property?

Thank you,
Samantha Harrington

Isaac Construction, LLC.
125 SW Midtown Place
Suite 101
Lake City, Fl. 32025

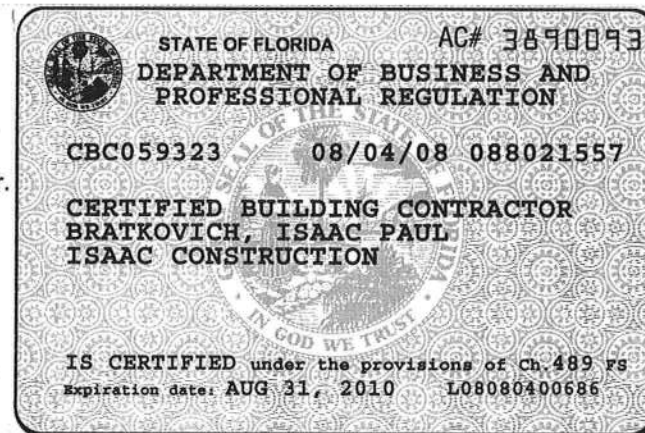
Work- 386-719-7143
Fax- 386-719-4757
Email- samantha@isaacconstruction.com
www.isaacconstruction.com

**STATE OF FLORIDA****DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION****CONSTRUCTION INDUSTRY LICENSING BOARD
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783****(850) 487-1395****BRATKOVICH, ISAAC PAUL
ISAAC CONSTRUCTION
1005 S.W. WALTER AVENUE
LAKE CITY FL 32024-8946**

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!



DETACH HERE

AC# 3890093

STATE OF FLORIDA**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD****SEQ# L08080400686**

DATE	BATCH NUMBER	LICENSE NBR
08/04/2008	088021557	CBC059323

The BUILDING CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2010

**BRATKOVICH, ISAAC PAUL
ISAAC CONSTRUCTION
RR 9 BOX 646
LAKE CITY****FL 32024-8946****CHARLIE CRIST
GOVERNOR****CHARLES W. DRAGO
SECRETARY**

DISPLAY AS REQUIRED BY LAW

Residential System Sizing Calculation

Summary

Patel Residence

Project Title:
Isaac Construction - Suresh & Daxa Patel

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

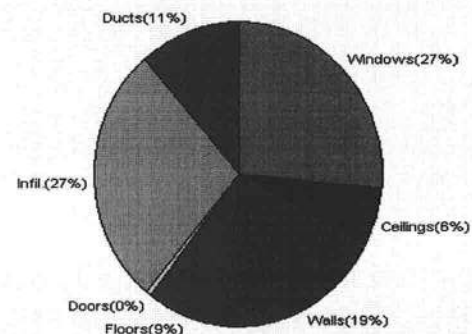
10/3/2008

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	60230 Btuh	Total cooling load calculation	70158 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	119.5 72000	Sensible (SHR = 0.75)	96.2 54000
Heat Pump + Auxiliary(0.0kW)	119.5 72000	Latent	128.4 18000
		Total (Electric Heat Pump)	102.6 72000

WINTER CALCULATIONS

Winter Heating Load (for 3057 sqft)

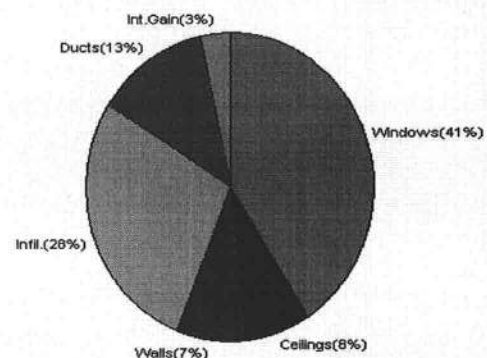
Load component		Load
Window total	502 sqft	16145 Btuh
Wall total	2863 sqft	11226 Btuh
Door total	20 sqft	259 Btuh
Ceiling total	3210 sqft	3782 Btuh
Floor total	335 sqft	5479 Btuh
Infiltration	408 cfm	16510 Btuh
Duct loss		6828 Btuh
Subtotal		60230 Btuh
Ventilation	0 cfm	0 Btuh
TOTAL HEAT LOSS		60230 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 3057 sqft)

Load component		Load
Window total	502 sqft	28534 Btuh
Wall total	2863 sqft	5245 Btuh
Door total	20 sqft	196 Btuh
Ceiling total	3210 sqft	5316 Btuh
Floor total		0 Btuh
Infiltration	357 cfm	6638 Btuh
Internal gain		2400 Btuh
Duct gain		7810 Btuh
Sens. Ventilation	0 cfm	0 Btuh
Total sensible gain		56138 Btuh
Latent gain(ducts)		986 Btuh
Latent gain(infiltration)		13034 Btuh
Latent gain(ventilation)		0 Btuh
Latent gain(internal/occupants/other)		0 Btuh
Total latent gain		14020 Btuh
TOTAL HEAT GAIN		70158 Btuh



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EnergyGauge® System Sizing

PREPARED BY:

DATE:

10/3/08

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Patel Residence

Project Title:

Code Only

Isaac Construction - Suresh & Daxa Patel

Professional Version

Lake City, FL 32025-

Climate: North

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

10/3/2008

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	E	63.0		32.2	2028 Btuh
2	2, Clear, Metal, 0.87	S	42.0		32.2	1352 Btuh
3	2, Clear, Metal, 0.87	SE	20.0		32.2	644 Btuh
4	2, Clear, Metal, 0.87	S	4.5		32.2	145 Btuh
5	2, Clear, Metal, 0.87	S	14.0		32.2	451 Btuh
6	2, Clear, Metal, 0.87	SE	12.0		32.2	386 Btuh
7	2, Clear, Metal, 0.87	SE	6.0		32.2	193 Btuh
8	2, Clear, Metal, 0.87	E	42.0		32.2	1352 Btuh
9	2, Clear, Metal, 0.87	E	16.7		32.2	537 Btuh
10	2, Clear, Metal, 0.87	E	4.5		32.2	145 Btuh
11	2, Clear, Metal, 0.87	E	36.0		32.2	1159 Btuh
12	2, Clear, Metal, 0.87	S	24.0		32.2	773 Btuh
13	2, Clear, Metal, 0.87	S	12.0		32.2	386 Btuh
14	2, Clear, Metal, 0.87	W	12.0		32.2	386 Btuh
15	2, Clear, Metal, 0.87	W	6.0		32.2	193 Btuh
16	2, Clear, Metal, 0.87	W	60.0		32.2	1931 Btuh
17	2, Clear, Metal, 0.87	W	36.0		32.2	1159 Btuh
18	2, Clear, Metal, 0.87	W	42.7		32.2	1374 Btuh
19	2, Clear, Metal, 0.87	W	14.2		32.2	458 Btuh
20	2, Clear, Metal, 0.87	N	30.0		32.2	966 Btuh
21	2, Clear, Metal, 0.87	N	4.0		32.2	129 Btuh
Window Total			502(sqft)			16145 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Concrete Blk,Filled - Ext(0.11)	5.0	2707		4.0	10714 Btuh
2	Frame - Wood - Adj(0.09)	13.0	156		3.3	512 Btuh
Wall Total			2863			11226 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
Door Total			20			259Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	3210		1.2	3782 Btuh
Ceiling Total			3210			3782Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	5	335.0	ft(p)	16.4	5479 Btuh
Floor Total			335			5479 Btuh
Envelope Subtotal:						36891 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=		Load
	Natural	0.80 30570	2863	407.6		16510 Btuh
(DLM of 0.128)						6828 Btuh
Ductload						

Manual J Winter Calculations

Residential Load - Component Details (continued)

Patel Residence
Lake City, FL 32025-

Project Title:
Isaac Construction - Suresh & Daxa Patel

Code Only
Professional Version
Climate: North

10/3/2008

All Zones	Sensible Subtotal All Zones	60230 Btuh
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WHOLE HOUSE TOTALS

	Subtotal Sensible	60230 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	60230 Btuh

EQUIPMENT

1. Electric Heat Pump	#	72000 Btuh
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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)



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Patel Residence

Project Title:

Code Only

Isaac Construction - Suresh & Daxa Patel

Professional Version

Lake City, FL 32025-

Climate: North

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

10/3/2008

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	E	63.0		32.2	2028 Btuh
2	2, Clear, Metal, 0.87	S	42.0		32.2	1352 Btuh
3	2, Clear, Metal, 0.87	SE	20.0		32.2	644 Btuh
4	2, Clear, Metal, 0.87	S	4.5		32.2	145 Btuh
5	2, Clear, Metal, 0.87	S	14.0		32.2	451 Btuh
6	2, Clear, Metal, 0.87	SE	12.0		32.2	386 Btuh
7	2, Clear, Metal, 0.87	SE	6.0		32.2	193 Btuh
8	2, Clear, Metal, 0.87	E	42.0		32.2	1352 Btuh
9	2, Clear, Metal, 0.87	E	16.7		32.2	537 Btuh
10	2, Clear, Metal, 0.87	E	4.5		32.2	145 Btuh
11	2, Clear, Metal, 0.87	E	36.0		32.2	1159 Btuh
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13	2, Clear, Metal, 0.87	S	12.0		32.2	386 Btuh
14	2, Clear, Metal, 0.87	W	12.0		32.2	386 Btuh
15	2, Clear, Metal, 0.87	W	6.0		32.2	193 Btuh
16	2, Clear, Metal, 0.87	W	60.0		32.2	1931 Btuh
17	2, Clear, Metal, 0.87	W	36.0		32.2	1159 Btuh
18	2, Clear, Metal, 0.87	W	42.7		32.2	1374 Btuh
19	2, Clear, Metal, 0.87	W	14.2		32.2	458 Btuh
20	2, Clear, Metal, 0.87	N	30.0		32.2	966 Btuh
21	2, Clear, Metal, 0.87	N	4.0		32.2	129 Btuh
Window Total			502(sqft)			16145 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Concrete Blk, Filled - Ext(0.11)	5.0	2707		4.0	10714 Btuh
2	Frame - Wood - Adj(0.09)	13.0	156		3.3	512 Btuh
Wall Total			2863			11226 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
Door Total			20			259 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	3210		1.2	3782 Btuh
Ceiling Total			3210			3782 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	5	335.0 ft(p)		16.4	5479 Btuh
Floor Total			335			5479 Btuh
Zone Envelope Subtotal:						36891 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=		Load
	Natural	0.80 30570	2863	407.6		16510 Btuh
Ductload	Pro. leak free, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.128)					6828 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Patel Residence
Lake City, FL 32025-

Project Title:
Isaac Construction - Suresh & Daxa Patel

Code Only
Professional Version
Climate: North

10/3/2008

Zone #1	Sensible Zone Subtotal	60230 Btuh
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WHOLE HOUSE TOTALS

	Subtotal Sensible	60230 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	60230 Btuh

EQUIPMENT

1. Electric Heat Pump	#	72000 Btuh
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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)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Patel Residence

Project Title:

Code Only

Isaac Construction - Suresh & Daxa Patel

Professional Version

Lake City, FL 32025-

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

10/3/2008

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, 0.87, None,N,N	E	1.5ft	10ft.	63.0	0.0	63.0	29	80	5010	Btuh	
2	2, Clear, 0.87, None,N,N	S	1.5ft	10ft.	42.0	39.1	2.9	29	34	1230	Btuh	
3	2, Clear, 0.87, None,N,N	SE	4.5ft	12ft.	20.0	6.7	13.3	29	63	1025	Btuh	
4	2, Clear, 0.87, None,N,N	S	4.5ft	12ft.	4.5	4.5	0.0	29	34	130	Btuh	
5	2, Clear, 0.87, None,N,N	S	10.5f	12ft.	14.0	14.0	0.0	29	34	405	Btuh	
6	2, Clear, 0.87, None,N,N	SE	13.5f	12ft.	12.0	12.0	0.0	29	63	348	Btuh	
7	2, Clear, 0.87, None,N,N	SE	13.5f	12ft.	6.0	6.0	0.0	29	63	174	Btuh	
8	2, Clear, 0.87, None,N,N	E	16.6	12ft.	42.0	42.0	0.0	29	80	1216	Btuh	
9	2, Clear, 0.87, None,N,N	E	10ft.	12ft.	16.7	7.4	9.3	29	80	951	Btuh	
10	2, Clear, 0.87, None,N,N	E	10ft.	12ft.	4.5	0.0	4.5	29	80	358	Btuh	
11	2, Clear, 0.87, None,N,N	E	1.5ft	12ft.	36.0	0.0	36.0	29	80	2863	Btuh	
12	2, Clear, 0.87, None,N,N	S	1.5ft	9ft.	24.0	24.0	0.0	29	34	695	Btuh	
13	2, Clear, 0.87, None,N,N	S	1.5ft	9ft.	12.0	12.0	0.0	29	34	348	Btuh	
14	2, Clear, 0.87, None,N,N	W	1.5ft	9ft.	12.0	0.0	12.0	29	80	954	Btuh	
15	2, Clear, 0.87, None,N,N	W	1.5ft	9ft.	6.0	0.0	6.0	29	80	477	Btuh	
16	2, Clear, 0.87, None,N,N	W	1.5ft	12ft.	60.0	0.0	60.0	29	80	4771	Btuh	
17	2, Clear, 0.87, None,N,N	W	1.5ft	12ft.	36.0	0.0	36.0	29	80	2863	Btuh	
18	2, Clear, 0.87, None,N,N	W	11.1	14.3	42.7	15.7	27.0	29	80	2602	Btuh	
19	2, Clear, 0.87, None,N,N	W	11.1	14.3	14.2	0.0	14.2	29	80	1131	Btuh	
20	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	30.0	0.0	30.0	29	29	869	Btuh	
21	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	4.0	0.0	4.0	29	29	116	Btuh	
Window Total					502 (sqft)					28534 Btuh		
Walls	Type	R-Value/U-Value		Area(sqft)			HTM		Load			
1	Concrete Blk,Filled - Ext	5.0/0.11		2707.4			1.9		5009 Btuh			
2	Frame - Wood - Adj	13.0/0.09		156.0			1.5		235 Btuh			
Wall Total					2863 (sqft)					5245 Btuh		
Doors	Type			Area (sqft)			HTM		Load			
1	Insulated - Exterior			20.0			9.8		196 Btuh			
Door Total					20 (sqft)					196 Btuh		
Ceilings	Type/Color/Surface	R-Value		Area(sqft)			HTM		Load			
1	Vented Attic/DarkShingle	30.0		3210.0			1.7		5316 Btuh			
Ceiling Total					3210 (sqft)					5316 Btuh		
Floors	Type	R-Value		Size			HTM		Load			
1	Slab On Grade	5.0		335 (ft(p))			0.0		0 Btuh			
Floor Total					335.0 (sqft)					0 Btuh		
Envelope Subtotal:										39291 Btuh		
Infiltration	Type	ACH		Volume(cuft)		wall area(sqft)		CFM=		Load		
	SensibleNatural	0.70		30570		2863		407.6		6638 Btuh		
Internal gain		Occupants		Btuh/occupant		Appliance				Load		
		0		X 230		+		2400		2400 Btuh		
Sensible Envelope Load:										48328 Btuh		
Duct load	(DGM of 0.162)										7810 Btuh	
Sensible Load All Zones										56138 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Patel Residence
Lake City, FL 32025-

Project Title:
Isaac Construction - Suresh & Daxa Patel

Code Only
Professional Version
Climate: North

10/3/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	48328 Btuh
	Sensible Duct Load	7810 Btuh
	Total Sensible Zone Loads	56138 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	56138 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	13034 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	986 Btuh
	Latent occupant gain (0 people @ 200 Btuh per person)	0 Btuh
	Latent other gain	0 Btuh
	Latent total gain	14020 Btuh
	TOTAL GAIN	70158 Btuh

EQUIPMENT

1. Central Unit	#	72000 Btuh
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*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)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Patel Residence

Project Title:

Code Only

Isaac Construction - Suresh & Daxa Patel

Professional Version

Lake City, FL 32025-

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

10/3/2008

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	E	1.5ft	10ft.	63.0	0.0	63.0	29	80	5010	Btuh	
2	2, Clear, 0.87, None,N,N	S	1.5ft	10ft.	42.0	39.1	2.9	29	34	1230	Btuh	
3	2, Clear, 0.87, None,N,N	SE	4.5ft	12ft.	20.0	6.7	13.3	29	63	1025	Btuh	
4	2, Clear, 0.87, None,N,N	S	4.5ft	12ft.	4.5	4.5	0.0	29	34	130	Btuh	
5	2, Clear, 0.87, None,N,N	S	10.5f	12ft.	14.0	14.0	0.0	29	34	405	Btuh	
6	2, Clear, 0.87, None,N,N	SE	13.5f	12ft.	12.0	12.0	0.0	29	63	348	Btuh	
7	2, Clear, 0.87, None,N,N	SE	13.5f	12ft.	6.0	6.0	0.0	29	63	174	Btuh	
8	2, Clear, 0.87, None,N,N	E	16.6	12ft.	42.0	42.0	0.0	29	80	1216	Btuh	
9	2, Clear, 0.87, None,N,N	E	10ft.	12ft.	16.7	7.4	9.3	29	80	951	Btuh	
10	2, Clear, 0.87, None,N,N	E	10ft.	12ft.	4.5	0.0	4.5	29	80	358	Btuh	
11	2, Clear, 0.87, None,N,N	E	1.5ft	12ft.	36.0	0.0	36.0	29	80	2863	Btuh	
12	2, Clear, 0.87, None,N,N	S	1.5ft	9ft.	24.0	24.0	0.0	29	34	695	Btuh	
13	2, Clear, 0.87, None,N,N	S	1.5ft	9ft.	12.0	12.0	0.0	29	34	348	Btuh	
14	2, Clear, 0.87, None,N,N	W	1.5ft	9ft.	12.0	0.0	12.0	29	80	954	Btuh	
15	2, Clear, 0.87, None,N,N	W	1.5ft	9ft.	6.0	0.0	6.0	29	80	477	Btuh	
16	2, Clear, 0.87, None,N,N	W	1.5ft	12ft.	60.0	0.0	60.0	29	80	4771	Btuh	
17	2, Clear, 0.87, None,N,N	W	1.5ft	12ft.	36.0	0.0	36.0	29	80	2863	Btuh	
18	2, Clear, 0.87, None,N,N	W	11.1	14.3	42.7	15.7	27.0	29	80	2602	Btuh	
19	2, Clear, 0.87, None,N,N	W	11.1	14.3	14.2	0.0	14.2	29	80	1131	Btuh	
20	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	30.0	0.0	30.0	29	29	869	Btuh	
21	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	4.0	0.0	4.0	29	29	116	Btuh	
Window Total					502 (sqft)					28534 Btuh		
Walls	Type	R-Value/U-Value		Area(sqft)			HTM		Load			
1	Concrete Blk,Filled - Ext	5.0/0.11		2707.4			1.9		5009 Btuh			
2	Frame - Wood - Adj	13.0/0.09		156.0			1.5		235 Btuh			
Wall Total					2863 (sqft)					5245 Btuh		
Doors	Type				Area (sqft)			HTM		Load		
1	Insulated - Exterior				20.0			9.8		196 Btuh		
Door Total					20 (sqft)					196 Btuh		
Ceilings	Type/Color/Surface	R-Value		Area(sqft)			HTM		Load			
1	Vented Attic/DarkShingle	30.0		3210.0			1.7		5316 Btuh			
Ceiling Total					3210 (sqft)					5316 Btuh		
Floors	Type	R-Value		Size			HTM		Load			
1	Slab On Grade	5.0		335 (ft(p))			0.0		0 Btuh			
Floor Total					335.0 (sqft)					0 Btuh		
Zone Envelope Subtotal:										39291 Btuh		
Infiltration	Type	ACH		Volume(cuft) wall area(sqft)			CFM=		Load			
	SensibleNatural	0.70		30570 2863			356.7		6638 Btuh			
Internal gain		Occupants		Btuh/occupant			Appliance		Load			
		0		X 230 +			2400		2400 Btuh			
Sensible Envelope Load:										48328 Btuh		
Duct load	Prop. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)							(DGM of 0.162)		7810 Btuh		
Sensible Zone Load										56138 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Patel Residence

Project Title:

Code Only

Lake City, FL 32025-

Isaac Construction - Suresh & Daxa Patel

Professional Version

Climate: North

10/3/2008

Manual J Summer Calculations

Residential Load - Component Details (continued)

Patel Residence

Project Title:

Code Only

Isaac Construction - Suresh & Daxa Patel

Professional Version

Lake City, FL 32025-

Climate: North

10/3/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	48328 Btuh
	Sensible Duct Load	7810 Btuh
	Total Sensible Zone Loads	56138 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	56138 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	13034 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	986 Btuh
	Latent occupant gain (0 people @ 200 Btuh per person)	0 Btuh
	Latent other gain	0 Btuh
	Latent total gain	14020 Btuh
	TOTAL GAIN	70158 Btuh

EQUIPMENT

1. Central Unit	#	72000 Btuh
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*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))

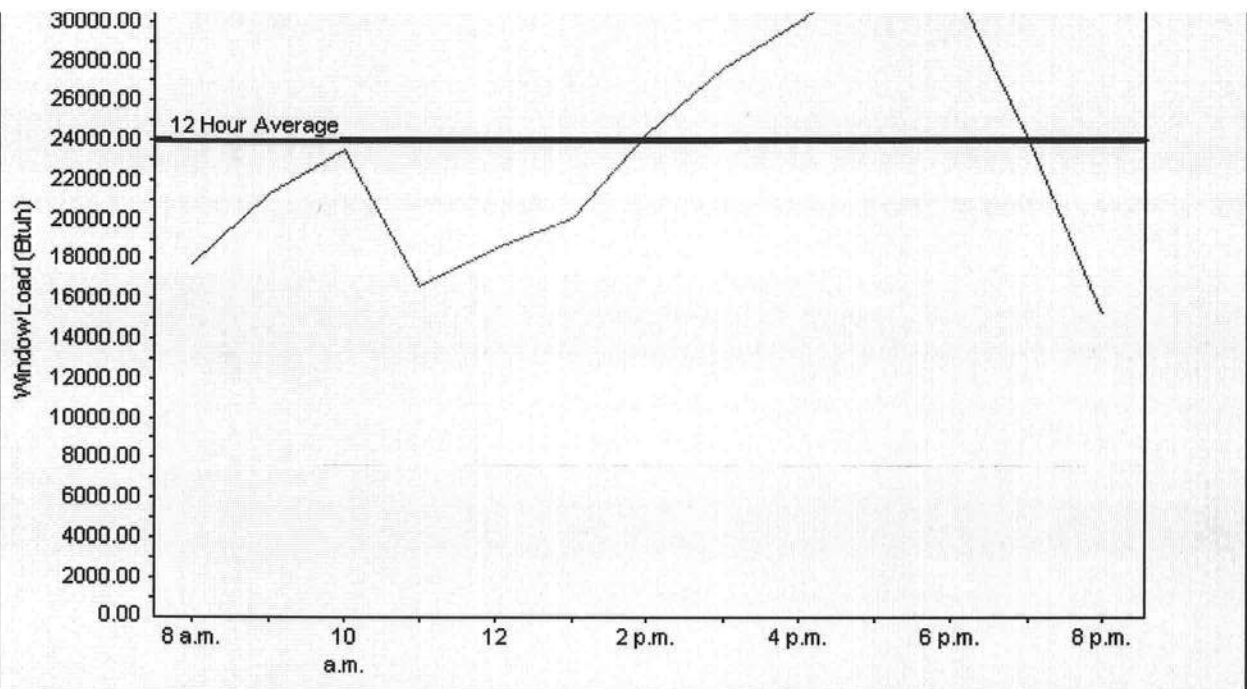
(ExSh - Exterior shading device: none(N) or numerical value)

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

(Ornt - compass orientation)



Version 8
For Florida residences only



Total July Window Load(Radiation and conduction)

Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.5.2



Residential Window Diversity

MidSummer

Patel Residence

Project Title:

Code Only

Isaac Construction - Suresh & Daxa Patel

Professional Version

Lake City, FL 32025-

Climate: North

10/3/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	24035 Btu
Summer setpoint	75 F	Peak window load for July	32759 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	31245 Btu
Latitude	29 North	Window excursion (July)	1514 Btuh

WINDOW Average and Peak Loads

Limit for excursion

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: ITMC8228Z0504153425

Truss Fabricator: Anderson Truss Company

Job Identification: 8-203--Isaac Construction Suresh Patel -- , **

Truss Count: 91

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 the seal date per section 61G15-31.003(5a) of the FAC

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: TCFILLER-BCFILLER-BRCLBSUB-PIGBACKA-PIGBACKB-REPBCFIL-140GS-A13015EE-GBLLETIN-

Seal Date: 11/04/2008

-Truss Design Engineer-
James F. Collins Jr.

Florida License Number: 52212

1950 Marley Drive

Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	18174--H7A		08309044	11/04/08
2	18175--H9A		08309034	11/04/08
3	18176--H11A		08309036	11/04/08
4	18177--H13A		08309037	11/04/08
5	18178--H15A		08309035	11/04/08
6	18179--H17A		08309053	11/04/08
7	18180--H19A		08309039	11/04/08
8	18181--H21A		08309040	11/04/08
9	18182--H23A		08309060	11/04/08
10	18183--A1		08309043	11/04/08
11	18184--A2		08309053	11/04/08
12	18185--A3		08309059	11/04/08
13	18186--A4		08309054	11/04/08
14	18187--A5		08309052	11/04/08
15	18188--A6		08309057	11/04/08
16	18189--A7		08309055	11/04/08
17	18190--A8		08309041	11/04/08
18	18191--B2		08309056	11/04/08
19	18192--B1		08309069	11/04/08
20	18193--H17B		08309027	11/04/08
21	18194--H19B		08309031	11/04/08
22	18195--H21B		08309028	11/04/08
23	18196--H23B		08309030	11/04/08
24	18197--H7B		08309040	11/04/08
25	18198--H9B		08309033	11/04/08
26	18199--H11B		08309034	11/04/08
27	18200--H13B		08309035	11/04/08
28	18201--H15B		08309010	11/04/08
29	18202--H7C		08309036	11/04/08
30	18203--H9C		08309011	11/04/08
31	18204--H11C		08309012	11/04/08
32	18205--C1		08309013	11/04/08
33	18206--C2		08309014	11/04/08
34	18207--C3		08309015	11/04/08
35	18208--C4		08309016	11/04/08
36	18209--C5		08309017	11/04/08
37	18210--C6		08309018	11/04/08
38	18211--C7		08309037	11/04/08

#	Ref	Description	Drawing#	Date
39	18212--CC1		08309038	11/04/08
40	18213--CC2		08309025	11/04/08
41	18214--CC3		08309026	11/04/08
42	18215--H7D		08309024	11/04/08
43	18216--D4-GDR		08309021	11/04/08
44	18217--H9D		08309019	11/04/08
45	18218--D1		08309033	11/04/08
46	18219--D2		08309023	11/04/08
47	18220--D3		08309020	11/04/08
48	18221--E1		08309026	11/04/08
49	18222--E-GE		08309015	11/04/08
50	18223--F1		08309019	11/04/08
51	18224--F-GE		08309027	11/04/08
52	18225--G1		08309025	11/04/08
53	18226--G-GE		08309022	11/04/08
54	18227--J1		08309017	11/04/08
55	18228--H07		08309073	11/04/08
56	18229--J3		08309016	11/04/08
57	18230--J5		08309074	11/04/08
58	18231--E07		08309018	11/04/08
59	18232--J18		08309045	11/04/08
60	18233--HJ7B		08309042	11/04/08
61	18234--J5B		08309046	11/04/08
62	18235--EJ7A		08309047	11/04/08
63	18236--EJ7B		08309048	11/04/08
64	18237--EJ7C		08309049	11/04/08
65	18238--EJ7D		08309050	11/04/08
66	18239--EJ7E		08309051	11/04/08
67	18240--HJ2		08309038	11/04/08
68	18241--HJ3		08309032	11/04/08
69	18242--HJ2A		08309028	11/04/08
70	18243--J1C		08309029	11/04/08
71	18244--HJ7A		08309030	11/04/08
72	18245--J3C		08309020	11/04/08
73	18246--J5C		08309021	11/04/08
74	18247--J5A		08309022	11/04/08
75	18248--EJ7H		08309023	11/04/08
76	18249--EJ7G		08309024	11/04/08

#	Ref	Description	Drawing#	Date
77	18250--M2		08309061	11/04/08
78	18251--M3		08309062	11/04/08
79	18252--M1		08309058	11/04/08
80	18253--M4		08309039	11/04/08
81	18254--PB1		08309064	11/04/08
82	18255--PB2		08309065	11/04/08
83	18256--PB3		08309066	11/04/08
84	18257--PB4		08309067	11/04/08
85	18258--PB5		08309068	11/04/08
86	18259--PB6		08309070	11/04/08
87	18260--PB7		08309071	11/04/08
88	18261--PB8		08309031	11/04/08
89	18262--PB9		08309072	11/04/08
90	18263--PB10		08309032	11/04/08
91	18264--PB11		08309029	11/04/08



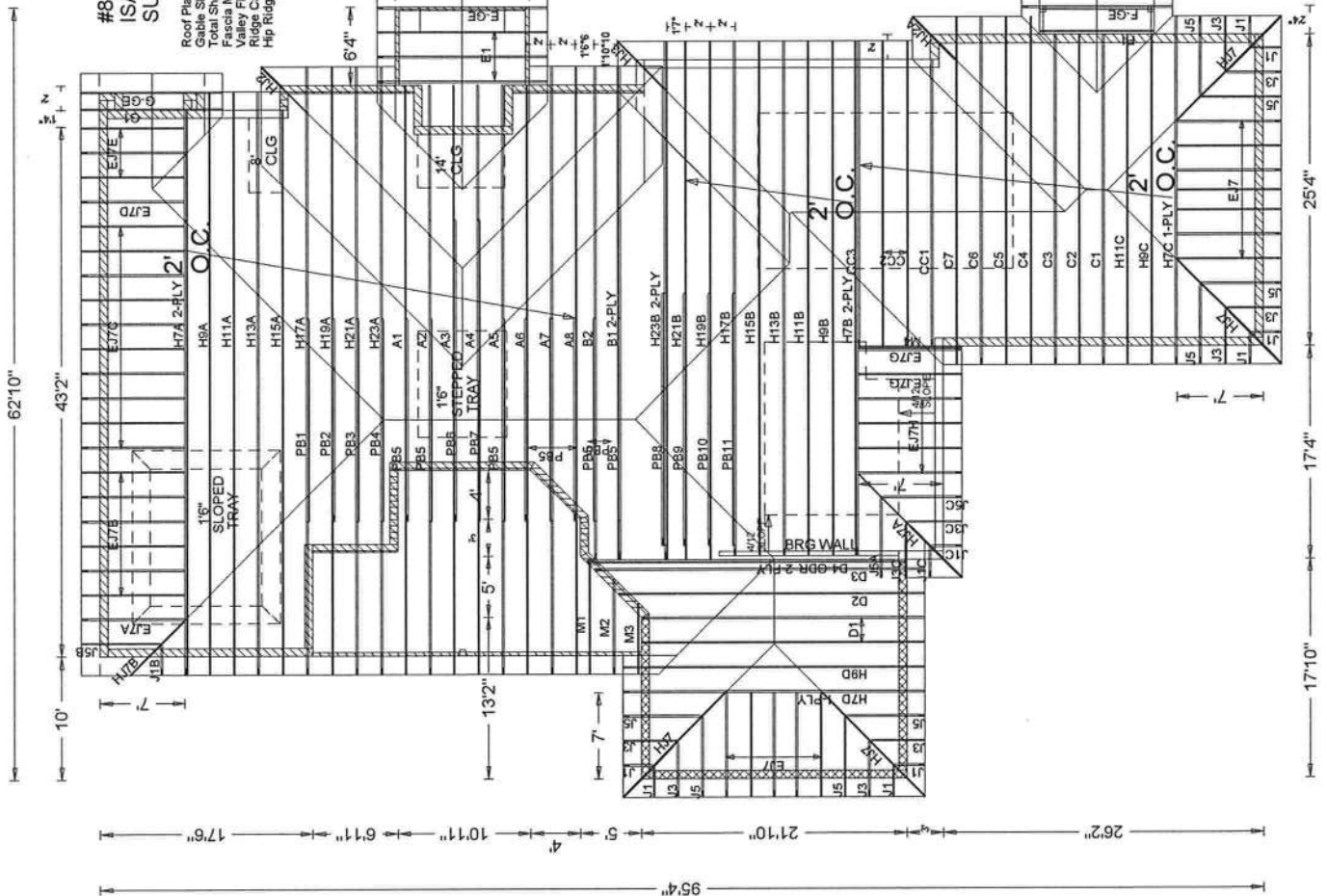
8'10" 9'6" 8'10" 24'2" 10'9" 6'10" 11'7" 6'2" 8'8"

#8-203
ISAAC-
SURESH PATEL

REvised
10-14-08
11-04-08

Roof Plane Sheathing Area = 5719 sq. ft.
Gable Sheathing Area = 55 sq. ft.
Total Sheathing Area = 5774 sq. ft.
Fascia Material = 389 linear ft.
Valley Flashing Material = 281 linear ft.
Ridge Cap Material = 98 linear ft.
Hip Ridge Material = 253 linear ft.

8' WALL
9' WALL
10' WALL
12' WALL
14' WALL



2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",min.)_nails)

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

Top Chord: I Row @12.00" 0.0.0.
Bot Chord: I Row @12.00" 0.0.0.

Webs : 1 Row @ 4" 0.C.C.

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

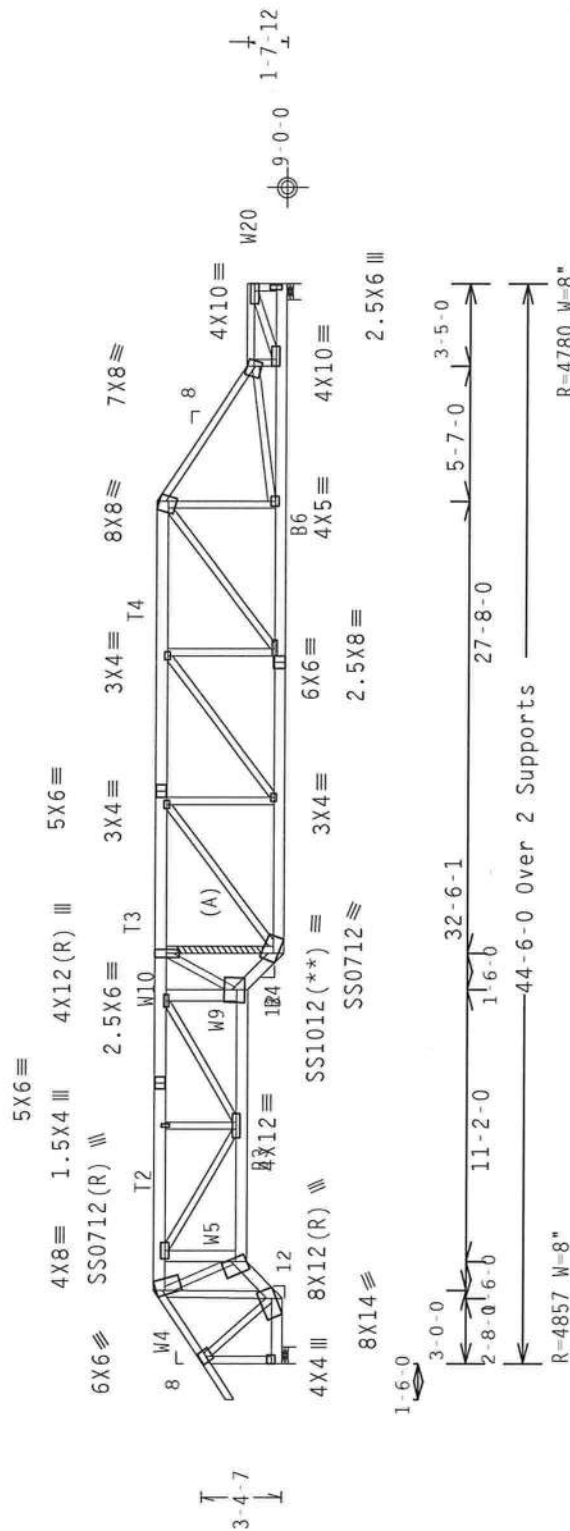
Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.13" due to live load and 0.30" due to dead load.

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

QTY: 1 FL / - / 4 / - / - / R / - Scale = 125" / Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. FOR BEST CONSTRUCTION INFORMATION, PUBLISHED BY THE BRUSS PLATE INSTITUTE, 218 HORTON LANE, ALBERTA, VA, 22314, AND WEA, 46000 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MOBILE, AL 36615, AND SAE, 4001506-2. FOLLOW THESE PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ALIGNED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE 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 TP1- OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING TO TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NATIONAL DESIGN SPEC. BY AISC AND TP1. ITW BCG COMPANY OR PLATES ARE MADE OF 2010/1716GA (.0475)X34 ASTM A653 GRADE 40 (60 (N, K/H-55) GALV. STEEL. APPLICABLE CONSTRUCTION REQUIREMENTS ARE LOCATED IN THIS DESIGN. POSITION PER DRAWINGS 160A-2.

ANY INSPECTION OF PLATES FOLLOWED BY SUBMITTAL OF A PHOTOGRAPH OF THE PLATE TO THE LOCAL OFFICE OF THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS. THE RESPONSIBILITY OF THE DESIGNING ENGINEER.

THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TP1 1 SEC. 2.



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

Roof overhang supports 2.00 psf soffit load.

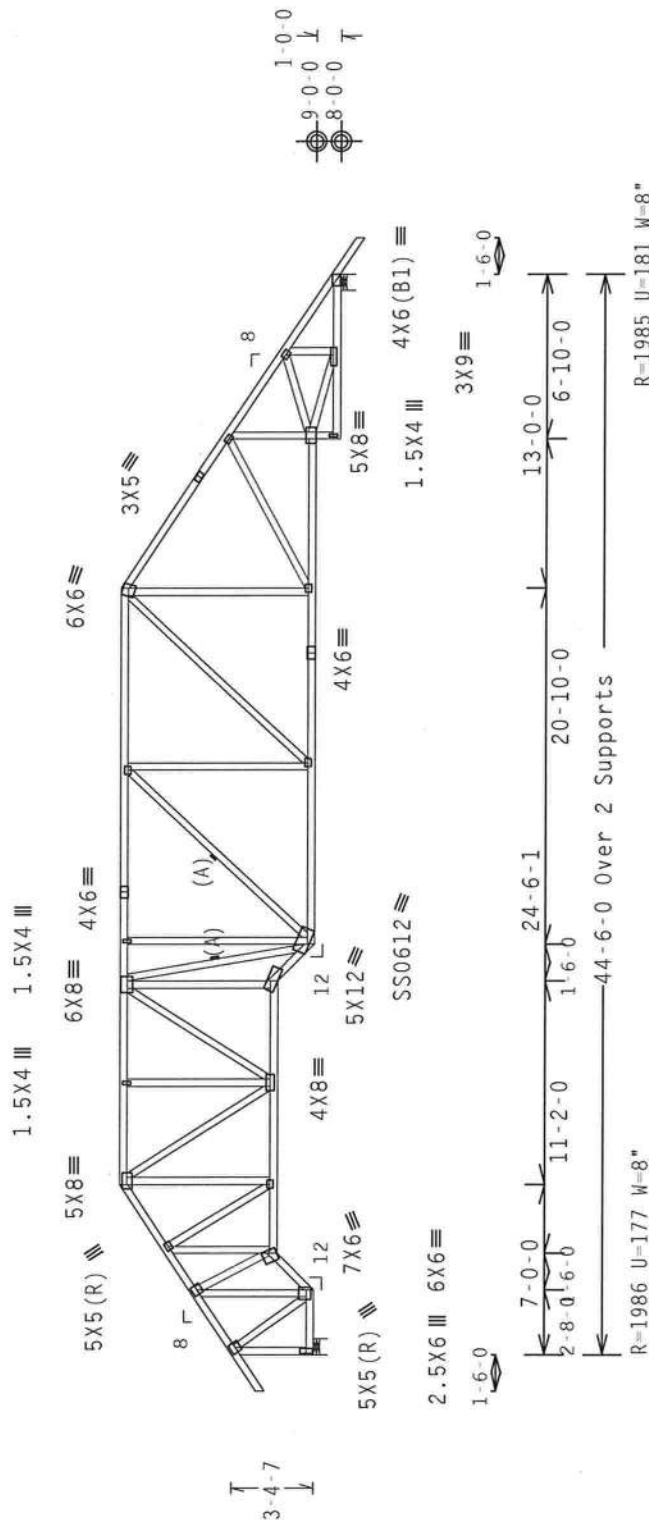
(A) Continuous lateral bracing equally spaced on member.

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

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Calculated horizontal deflection is 0.15" due to live load and 0.25" due to dead load.

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



Note: All plates are 3x4 except as shown.

Design Crit: TPI-2002(STD)/FBC

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

7.36.00.

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

Scale = .125" / Ft.

TC LL	20.0 PSF	REF	R8228- 18176
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309036
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	100965
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05



*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY LITTON PAPER, INC., 6200 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND TRUSS COUNCIL OF AMERICA, 6000 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. LITTON BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH PERI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING BRACING OF TRUSSES.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

Nov 1990

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP 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.

Roof overhang supports 2.00 psf soffit load.

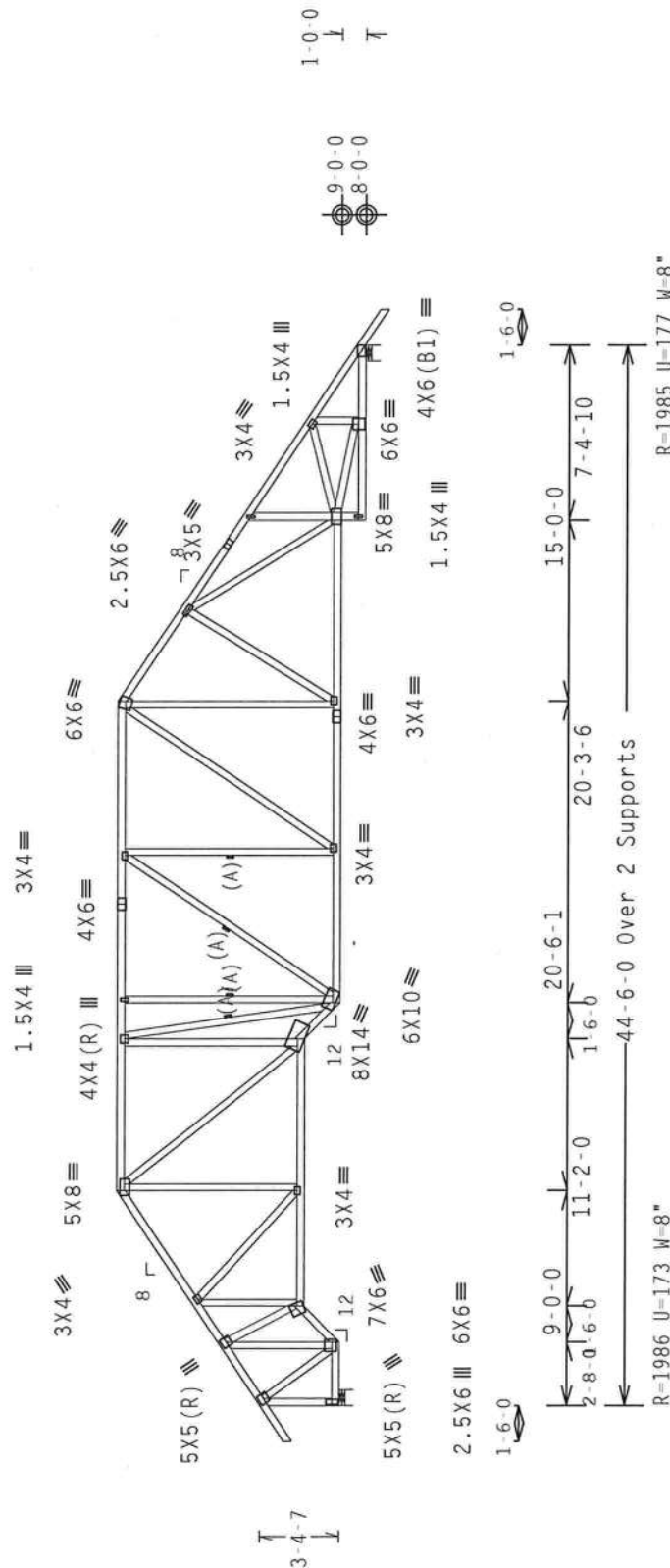
(A) Continuous lateral bracing equally spaced on member.

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

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Calculated horizontal deflection is 0.13" due to live load and 0.21" due to dead load.

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



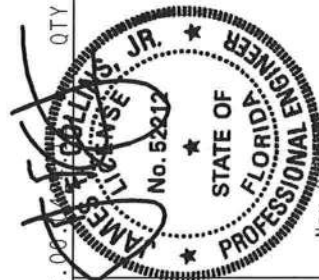
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/ $C_0/RT=1.00(1.25)/0(0)$

QTY: 1 EI / - / Δ / - / - / R / - /

$$\text{Scale} = 125''/\text{ft}$$

TC LL	20.0	PSF	REF R8228- 18177
TC DL	10.0	PSF	DATE 11/04/08
BC DL	10.0	PSF	DRW HCUR8228 08309037
BC LL	0.0	PSF	HC-ENG JB/AP
TOT.LD.	40.0	PSF	SEQN- 100975
DUR.FAC.	1.25		FROM AH
SPACING	24.0"		JREF- 1TMC8228Z05



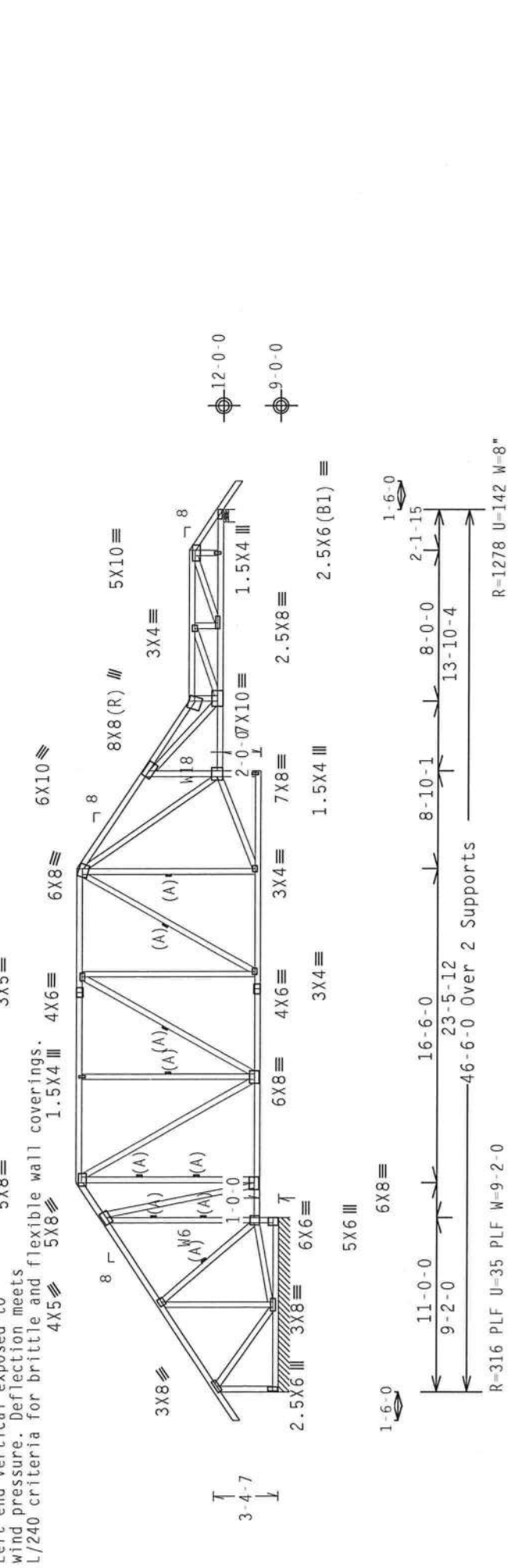
Nov 70 NOV

URFF- 1TMC8228705

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W6, W18 2x4 SP #2 Dense:

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at -1.50 to 64 PLF at 11.00
TC - From 64 PLF at 11.00 to 64 PLF at 21.00
TC - From 64 PLF at 21.00 to 64 PLF at 27.50
TC - From 64 PLF at 27.50 to 64 PLF at 36.34
TC - From 64 PLF at 36.34 to 64 PLF at 44.34
TC - From 64 PLF at 44.34 to 64 PLF at 48.00
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 9.17
BC - From 20 PLF at 9.17 to 20 PLF at 21.17
BC - From 20 PLF at 21.17 to 20 PLF at 32.65
BC - From 20 PLF at 32.65 to 20 PLF at 46.50
BC - From 5 PLF at 46.50 to 5 PLF at 48.00
BC - 61 LB Conc. Load at 44.34

Wind reactions based on MWFRS pressures.
Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.00 QTY:1 FL/-4/-1-R/-

Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R8228- 18179
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309063
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	101030
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05

Nov 04 08

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FLC04 #0-278

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSTI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (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 REG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW REG. INCORPORATES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. 1TH REG. CONNECTION PLATES ARE MADE OF 2018/1716GA (N/SSX) ASTM A653 GRADE 40/60 (G4, K/H-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 ENGINEER FOR THE TRUSS COMPONENT DESIGNER SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/TPI 1 SEC. 2.

STATE OF FLORIDA
No. 52212
PROFESSIONAL ENGINEER
J. COLEMAN JR.
SEAL

Negative reaction(s) of -325# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind, 15.54 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCFI(+/-)=0.55

Wind reactions based on MWFRS pressures.

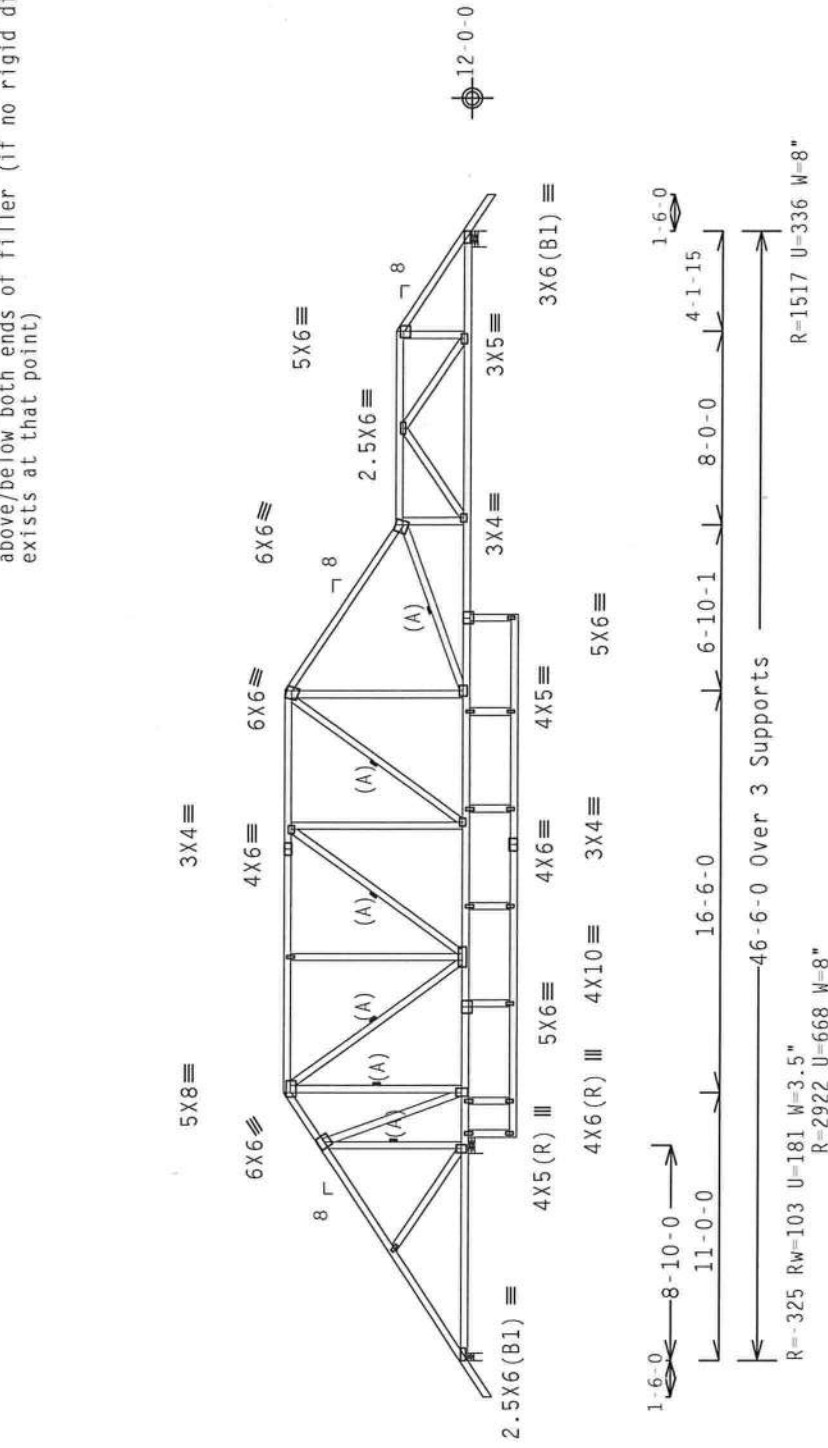
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

See detail BCFILLER0207, TCFILLER0207 and REPBCFIL for filler details. Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)

(A) Continuous lateral bracing equally spaced on member.

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.



R=325 R_w=103 U=181 W=3.5"
R=2922 U=668 W=8"

Note: All Plates Are 1.5X4 Except As Shown.

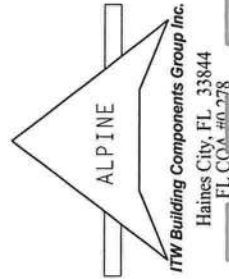
Design Crit: TPI-2002(STD)/FBC

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

00-0454-12 QTY:

Scale = .125"/Ft.

TC LL	20.0	PSF	REF	R8228-	18180
TC DL	10.0	PSF	DATE	11/04/08	
BC DL	10.0	PSF	DRW	HCUSR8228	08309039
BC LL	0.0	PSF	HC-ENG	JB/AP	
TOT.LD.	40.0	PSF	SEQN-	101081	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TMC8228Z05	

[illegible][illegible]

(8-203--Isaac Construction Suresh Patel -- , ** - H21A)

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

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 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.

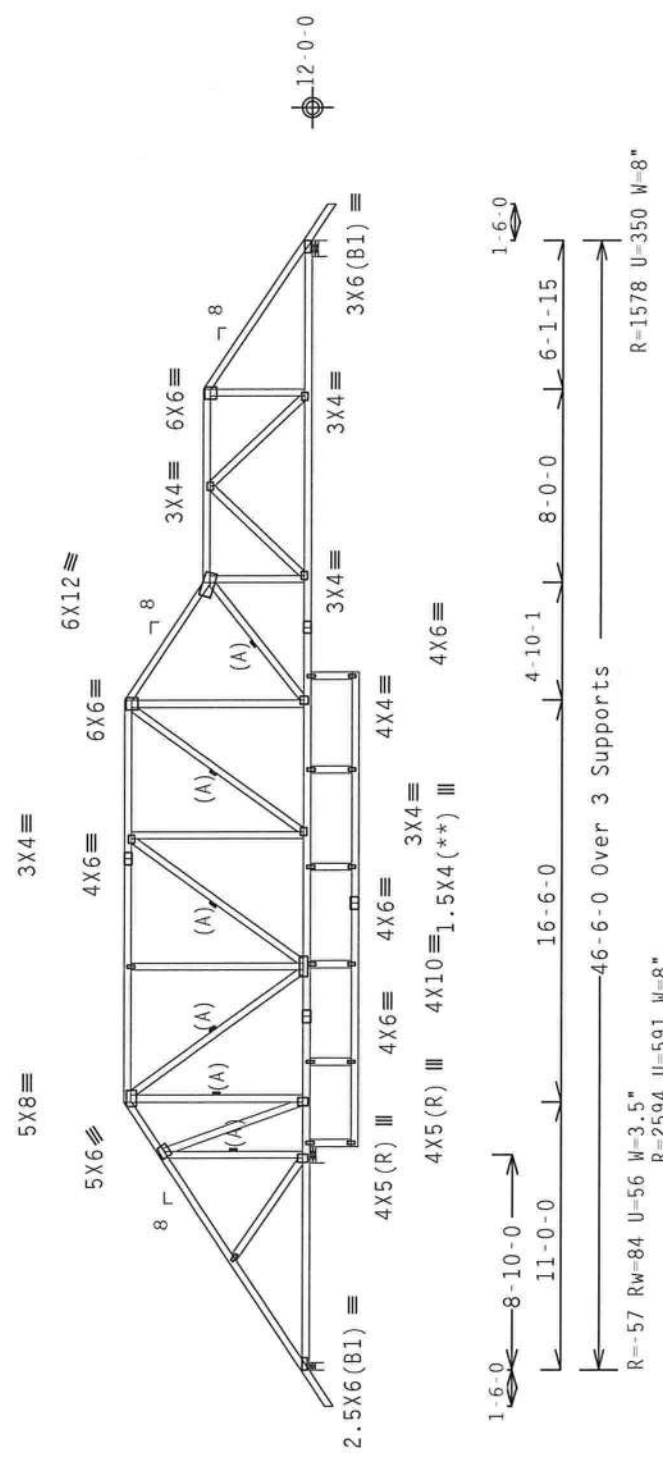
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.54 ft mean hgt, ASCE 7-02, PART ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. $I_w=1.00$ GCpi (+/-)=0.55

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.

See detail BCFILLER0207, TCFILLER0207 and REP8CFIL for filler details. Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)



Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.00 QTY: 1 FL/-/4/-/-/R/- Scale = .125"/Ft.



PLT TYP. Wave

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0.278

TC LL	20.0 PSF	REF	R8228- 18181
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309040
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	101077
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05

110 mph wind, 15.54 ft mean hgt, ASCE 7-02, PART-ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpf (+/-) = 0.55

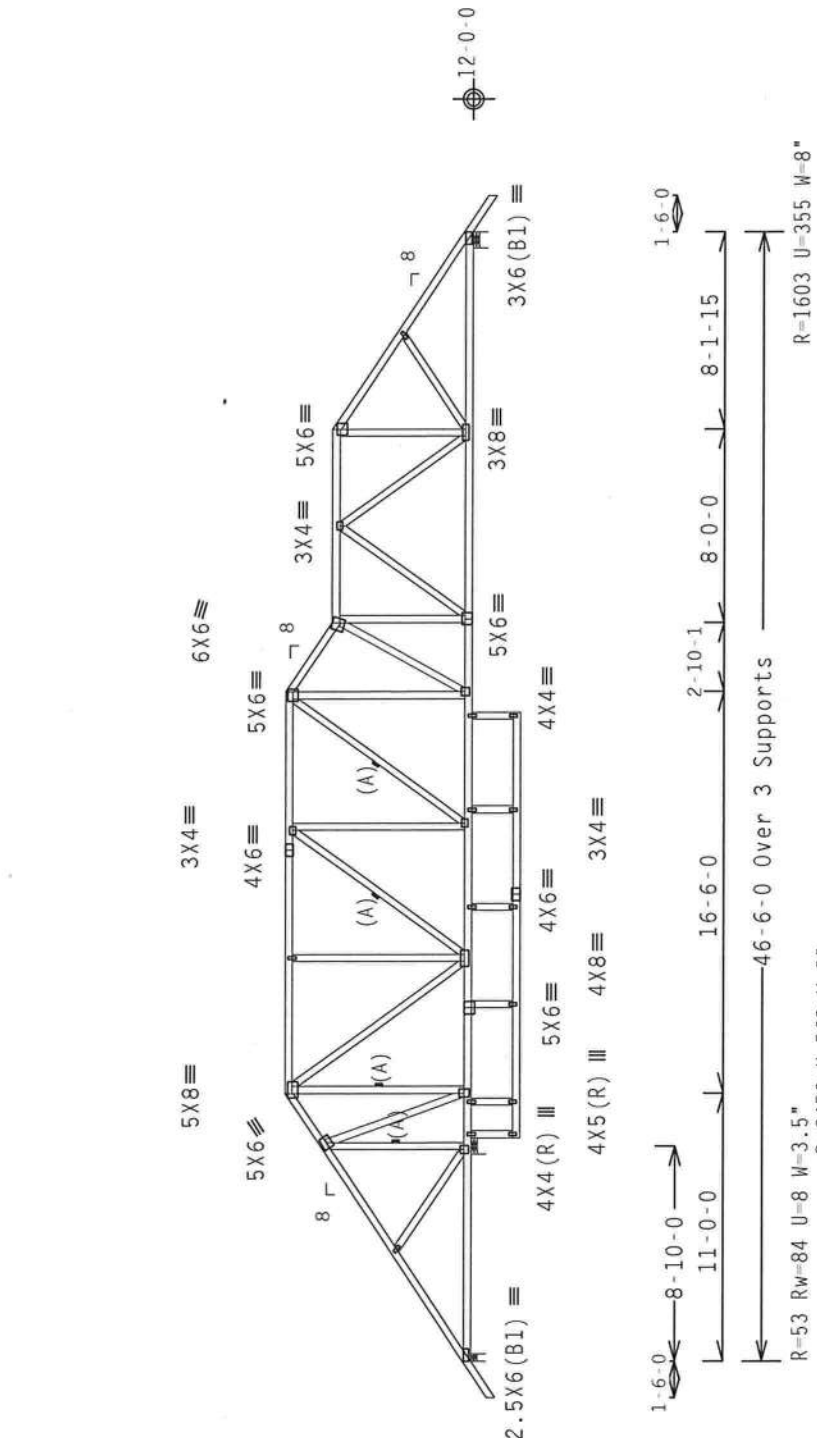
Wind reactions based on MWFRS pressures.

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

See detail BCFILLER0207, TCFILLER0207 and REPRCIFL for filler details. Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)

In lieu of structural panels use purlins to brace all flat TC @ 4" 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.

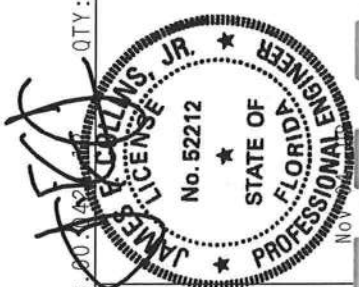


Note: All Plates Are 1.5X4 Except As Shown.

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

FL/-/4/-/-/R/- Scale = .125"/Ft.

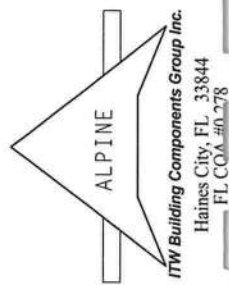
TC LL	20.0	PSF	REF	R8228-	18182
TC DL	10.0	PSF	DATE	11/04/08	
BC DL	10.0	PSF	DRW	HCUSR8228	08309060
BC LL	0.0	PSF	HC-ENG	JB/AP	
TOT.LD.	40.0	PSF	SEQN-	101073	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TMC8228	28705

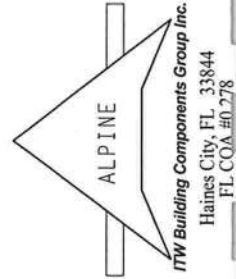


*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSSES TO BECS1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 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 PROPERLY ATTACHED RIGID CEILING.

IMPORTANT - FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ITH BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE OR DAMAGE TO THE TRUSS IN COMPLIANCE WITH THIS SPECIFICATION WILL BE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER.

THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AREA) AND TPI. 1TH BCG CONNECTOR PLATES ARE MADE OF 20/19/16GA (H-W/SEAL) ASTM A563 GRADE 40/60 (K, H/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, WHERE OVERLAP LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-1-2002 SEC.3-C. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT MANUFACTURING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX 1 C. 2.





110 mph wind, 15.54 ft mean hgt., ASCE 7-02, PART_ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G C p i (+/-) = -0.55$

Wind reactions based on MWFRS pressures.

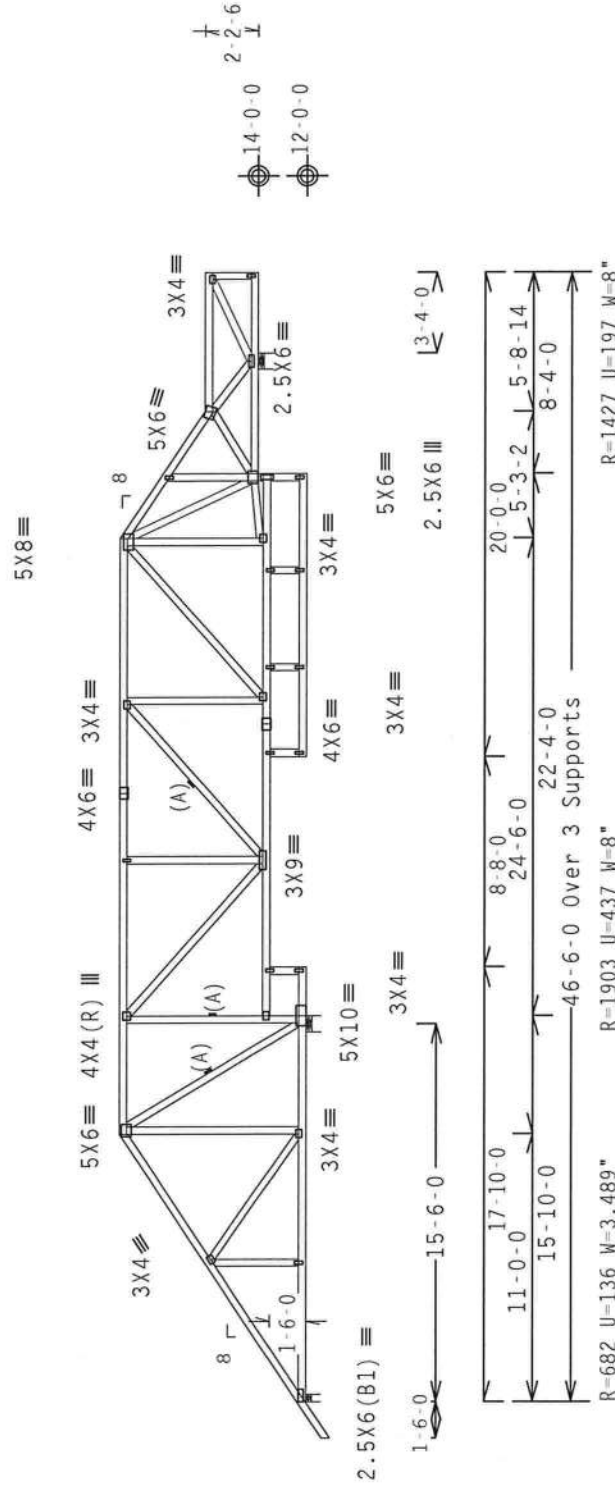
total operating support of \$2.00 per acre.

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

See detail BCFILLER0207, TCFILLER0207 and REPBCFIL for filler details. Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)

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.



Note: All plates are 1.5X4 except as shown.

Design Crit: TPI-2002(STD)/FBC

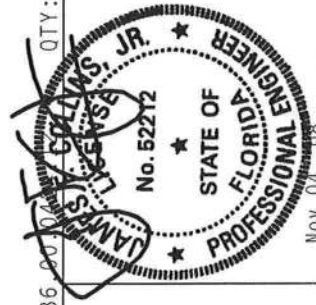
$$Ca/RT=1.00(1.25)/0(0)$$

~~36.00~~

Scale = .125"/Ft.

[illegible]

IMPORTANT—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR (FOR THE TUBS, IRC, SMALL, NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH THE TUBS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, THE TUBS, STEEL, THE IRC, AND THE CONTRACTOR'S WITH REGARD TO PROVISIONS OF THE NATIONAL BUILDING CODE, THE TUBS, STEEL, THE IRC, AND THE CONTRACTOR'S TO EACH FACE OF THUS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810,



TC LL	20.0 PSF	REF	R8228 - 18184
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUR8228 08309053
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN -	101114
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1TMC8228Z05

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

110 mph wind, 15.54 ft mean hgt, ASCE 7-02, PART 1, ENC. bldg, not located within 6.50 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 (+/-)=0.55

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

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

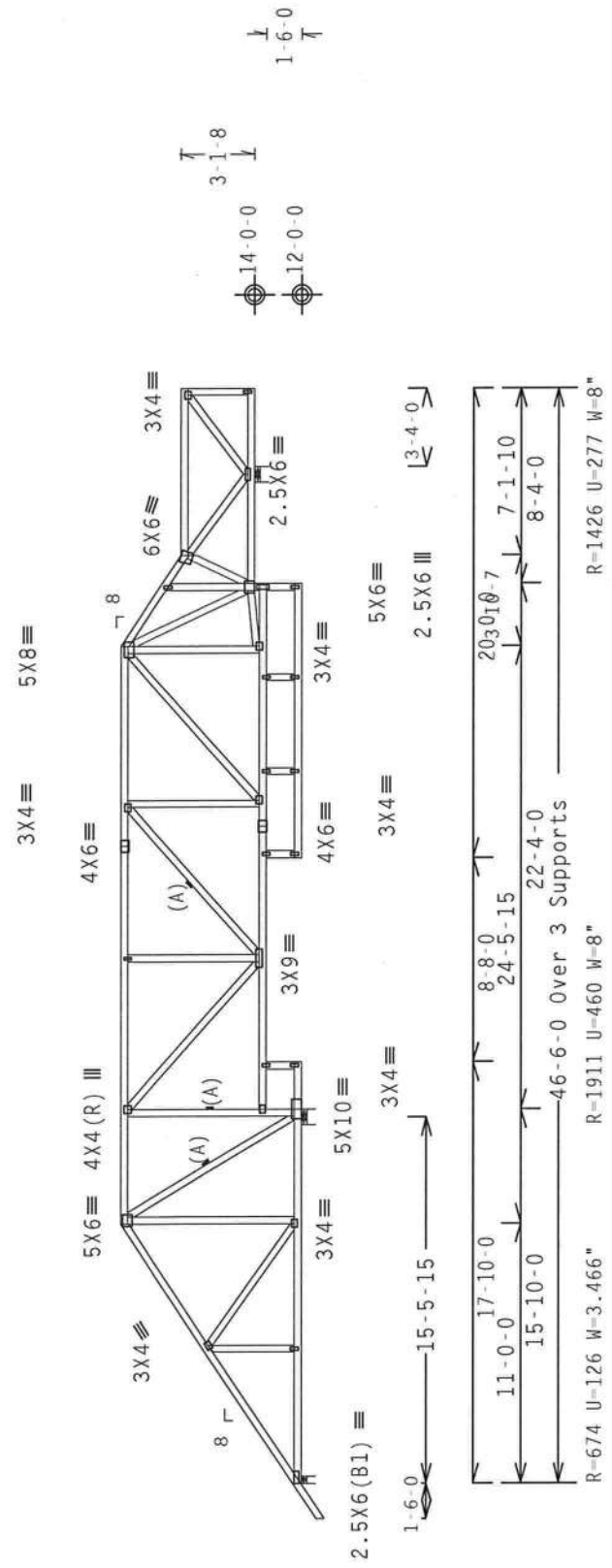
See detail BCFILLER0207, TCFILLER0207 and REPBCFIL for filler details. Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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.

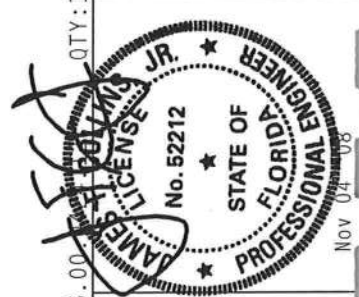


Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

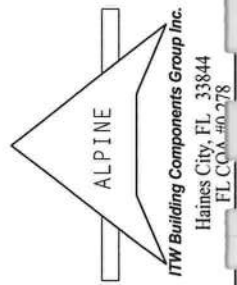
PLT TYP. Wave

QTY: 1		FL / - / 4 / - / - / R / -	Scale = .125" / Ft.
TC LL	20.0 PSF	REF R8228- 18186	
TC DL	10.0 PSF	DATE 11/04/08	
BC DL	10.0 PSF	DRW HCUSR8228 08309054	
BC LL	0.0 PSF	HC-ENG JB/AP	
TOT.LD.	40.0 PSF	SEON- 101138	
DUR.FAC.	1.25	FROM AH	
SPACING	24.0"	JREF- 1TMC8228Z05	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENTS SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (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. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BCS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/1066 (A1/552K) ASTM A563 GRADE 40/60 (W. 4/11/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A, 2, 100B, 3, 100C, 4, 100D, 5, 100E, 6, 100F, 7, 100G, 8, 100H, 9, 100I, 10, 100J, 11, 100K, 12, 100L, 13, 100M, 14, 100N, 15, 100O, 16, 100P, 17, 100Q, 18, 100R, 19, 100S, 20, 100T, 21, 100U, 22, 100V, 23, 100W, 24, 100X, 25, 100Y, 26, 100Z, 27, 100AA, 28, 100AB, 29, 100AC, 30, 100AD, 31, 100AE, 32, 100AF, 33, 100AG, 34, 100AH, 35, 100AI, 36, 100AJ, 37, 100AK, 38, 100AL, 39, 100AM, 40, 100AN, 41, 100AO, 42, 100AP, 43, 100AQ, 44, 100AR, 45, 100AS, 46, 100AT, 47, 100AU, 48, 100AV, 49, 100AW, 50, 100AX, 51, 100AY, 52, 100AZ, 53, 100BA, 54, 100BB, 55, 100BC, 56, 100BD, 57, 100BE, 58, 100BF, 59, 100BG, 60, 100BH, 61, 100BI, 62, 100BJ, 63, 100BK, 64, 100BL, 65, 100BM, 66, 100BN, 67, 100BO, 68, 100BP, 69, 100BQ, 70, 100BR, 71, 100BS, 72, 100BT, 73, 100BU, 74, 100BV, 75, 100BW, 76, 100BX, 77, 100BY, 78, 100BZ, 79, 100CA, 80, 100CB, 81, 100CC, 82, 100CD, 83, 100CE, 84, 100CF, 85, 100CG, 86, 100CH, 87, 100CI, 88, 100CJ, 89, 100CK, 90, 100CL, 91, 100CM, 92, 100CN, 93, 100CO, 94, 100CP, 95, 100CQ, 96, 100CR, 97, 100CS, 98, 100CT, 99, 100CU, 100, 100CV, 101, 100CW, 102, 100CX, 103, 100CY, 104, 100CZ, 105, 100DA, 106, 100DB, 107, 100DC, 108, 100DD, 109, 100DE, 110, 100DF, 111, 100DG, 112, 100DH, 113, 100DI, 114, 100DJ, 115, 100DK, 116, 100DL, 117, 100DM, 118, 100DN, 119, 100DO, 120, 100DP, 121, 100DQ, 122, 100DR, 123, 100DS, 124, 100DT, 125, 100DU, 126, 100DV, 127, 100DW, 128, 100DX, 129, 100DY, 130, 100DZ, 131, 100EA, 132, 100EB, 133, 100EC, 134, 100ED, 135, 100EE, 136, 100EF, 137, 100EG, 138, 100EH, 139, 100EI, 140, 100EJ, 141, 100EK, 142, 100EL, 143, 100EM, 144, 100EN, 145, 100EO, 146, 100EP, 147, 100EQ, 148, 100ER, 149, 100ES, 150, 100ET, 151, 100EU, 152, 100EV, 153, 100EW, 154, 100EX, 155, 100EY, 156, 100EZ, 157, 100FA, 158, 100FB, 159, 100FC, 160, 100FD, 161, 100FE, 162, 100FF, 163, 100FG, 164, 100FH, 165, 100FI, 166, 100FJ, 167, 100FK, 168, 100FL, 169, 100FM, 170, 100FN, 171, 100FO, 172, 100FP, 173, 100FQ, 174, 100FR, 175, 100FS, 176, 100FT, 177, 100FU, 178, 100FV, 179, 100FW, 180, 100FX, 181, 100FY, 182, 100FZ, 183, 100GA, 184, 100GB, 185, 100GC, 186, 100GD, 187, 100GE, 188, 100GF, 189, 100GG, 190, 100GH, 191, 100GI, 192, 100GJ, 193, 100GK, 194, 100GL, 195, 100GM, 196, 100GN, 197, 100GO, 198, 100GP, 199, 100GQ, 200, 100GR, 201, 100GS, 202, 100GT, 203, 100GU, 204, 100GV, 205, 100GW, 206, 100GX, 207, 100GY, 208, 100GZ, 209, 100HA, 210, 100HB, 211, 100HC, 212, 100HD, 213, 100HE, 214, 100HF, 215, 100HG, 216, 100HH, 217, 100HI, 218, 100HJ, 219, 100HK, 220, 100HL, 221, 100HM, 222, 100HN, 223, 100HO, 224, 100HP, 225, 100HQ, 226, 100HR, 227, 100HS, 228, 100HT, 229, 100HU, 230, 100HV, 231, 100HW, 232, 100HX, 233, 100HY, 234, 100HZ, 235, 100IA, 236, 100IB, 237, 100IC, 238, 100ID, 239, 100IE, 240, 100IF, 241, 100IG, 242, 100IH, 243, 100II, 244, 100IJ, 245, 100IK, 246, 100IL, 247, 100IM, 248, 100IN, 249, 100IO, 250, 100IP, 251, 100IQ, 252, 100IR, 253, 100IS, 254, 100IT, 255, 100IU, 256, 100IV, 257, 100IW, 258, 100IX, 259, 100IY, 260, 100IZ, 261, 100JA, 262, 100JB, 263, 100JC, 264, 100JD, 265, 100JE, 266, 100JF, 267, 100JG, 268, 100JH, 269, 100JI, 270, 100JJ, 271, 100JK, 272, 100JL, 273, 100JM, 274, 100JN, 275, 100JO, 276, 100JP, 277, 100JQ, 278, 100JR, 279, 100JS, 280, 100JT, 281, 100JU, 282, 100JV, 283, 100JW, 284, 100JX, 285, 100JY, 286, 100JZ, 287, 100KA, 288, 100KB, 289, 100KC, 290, 100KD, 291, 100KE, 292, 100KF, 293, 100KG, 294, 100KH, 295, 100KI, 296, 100KJ, 297, 100KK, 298, 100KL, 299, 100KM, 300, 100KN, 301, 100KO, 302, 100KP, 303, 100KQ, 304, 100KR, 305, 100KS, 306, 100KT, 307, 100KU, 308, 100KV, 309, 100KW, 310, 100KX, 311, 100KY, 312, 100KZ, 313, 100LA, 314, 100LB, 315, 100LC, 316, 100LD, 317, 100LE, 318, 100LF, 319, 100LG, 320, 100LH, 321, 100LI, 322, 100LJ, 323, 100LK, 324, 100LL, 325, 100LM, 326, 100LN, 327, 100LO, 328, 100LP, 329, 100LQ, 330, 100LR, 331, 100LS, 332, 100LT, 333, 100LU, 334, 100LV, 335, 100LW, 336, 100LX, 337, 100LY, 338, 100LZ, 339, 100MA, 340, 100MB, 341, 100MC, 342, 100MD, 343, 100ME, 344, 100MF, 345, 100MG, 346, 100MH, 347, 100MI, 348, 100MJ, 349, 100MK, 350, 100ML, 351, 100MN, 352, 100MO, 353, 100MP, 354, 100MQ, 355, 100MR, 356, 100MS, 357, 100MT, 358, 100MU, 359, 100MV, 360, 100MW, 361, 100MX, 362, 100MY, 363, 100MZ, 364, 100NA, 365, 100NB, 366, 100NC, 367, 100ND, 368, 100NE, 369, 100NF, 370, 100NG, 371, 100NH, 372, 100NI, 373, 100NJ, 374, 100NK, 375, 100NL, 376, 100NM, 377, 100NO, 378, 100NP, 379, 100NQ, 380, 100NR, 381, 100NS, 382, 100NT, 383, 100NU, 384, 100NV, 385, 100NW, 386, 100NX, 387, 100NY, 388, 100NZ, 389, 100OA, 390, 100OB, 391, 100OC, 392, 100OD, 393, 100OE, 394, 100OF, 395, 100OG, 396, 100OH, 397, 100OI, 398, 100OJ, 399, 100OK, 400, 100OL, 401, 100OM, 402, 100ON, 403, 100OO, 404, 100OP, 405, 100OQ, 406, 100OR, 407, 100OS, 408, 100OT, 409, 100OU, 410, 100OV, 411, 100OW, 412, 100OX, 413, 100OY, 414, 100OZ, 415, 100PA, 416, 100PB, 417, 100PC, 418, 100PD, 419, 100PE, 420, 100PF, 421, 100PG, 422, 100PH, 423, 100PI, 424, 100PJ, 425, 100PK, 426, 100PL, 427, 100PM, 428, 100PN, 429, 100PO, 430, 100PP, 431, 100PQ, 432, 100PR, 433, 100PS, 434, 100PT, 435, 100PU, 436, 100PV, 437, 100PW, 438, 100PX, 439, 100PY, 440, 100PZ, 441, 100QA, 442, 100QB, 443, 100QC, 444, 100QD, 445, 100QE, 446, 100QF, 447, 100QG, 448, 100QH, 449, 100QI, 450, 100QJ, 451, 100QK, 452, 100QL, 453, 100QM, 454, 100QN, 455, 100QO, 456, 100QP, 457, 100QQ, 458, 100QR, 459, 100QS, 460, 100QT, 461, 100QU, 462, 100QV, 463, 100QW, 464, 100QX, 465, 100QY, 466, 100QZ, 467, 100RA, 468, 100RB, 469, 100RC, 470, 100RD, 471, 100RE, 472, 100RF, 473, 100RG, 474, 100RH, 475, 100RI, 476, 100RJ, 477, 100RK, 478, 100RL, 479, 100RM, 480, 100RN, 481, 100RO, 482, 100RP, 483, 100RQ, 484, 100RR, 485, 100RS, 486, 100RT, 487, 100RU, 488, 100RV, 489, 100RW, 490, 100RX, 491, 100RY, 492, 100RZ, 493, 100SA, 494, 100SB, 495, 100SC, 496, 100SD, 497, 100SE, 498, 100SF, 499, 100SG, 500, 100SH, 501, 100SI, 502, 100SJ, 503, 100SK, 504, 100SL, 505, 100SM, 506, 100SN, 507, 100SO, 508, 100SP, 509, 100SQ, 510, 100SR, 511, 100SS, 512, 100ST, 513, 100SU, 514, 100SV, 515, 100SW, 516, 100SX, 517, 100SY, 518, 100SZ, 519, 100TA, 520, 100TB, 521, 100TC, 522, 100TD, 523, 100TE, 524, 100TF, 525, 100TG, 526, 100TH, 527, 100TI, 528, 100TJ, 529, 100TK, 530, 100TL, 531, 100TM, 532, 100TN, 533, 100TO, 534, 100TP, 535, 100TQ, 536, 100TR, 537, 100TS, 538, 100TT, 539, 100TU, 540, 100TV, 541, 100TW, 542, 100TX, 543, 100TY, 544, 100TZ, 545, 100UA, 546, 100UB, 547, 100UC, 548, 100UD, 549, 100UE, 550, 100UF, 551, 100UG, 552, 100UH, 553, 100UI, 554, 100UJ, 555, 100UK, 556, 100UL, 557, 100UM, 558, 100UN, 559, 100UO, 560, 100UP, 561, 100UQ, 562, 100UR, 563, 100US, 564, 100UT, 565, 100UU, 566, 100UV, 567, 100UW, 568, 100UX, 569, 100UY, 570, 100UZ, 571, 100VA, 572, 100VB, 573, 100VC, 574, 100VD, 575, 100VE, 576, 100VF, 577, 100VG, 578, 100VH, 579, 100VI, 580, 100VJ, 581, 100VK, 582, 100VL, 583, 100VM, 584, 100VN, 585, 100VO, 586, 100VP, 587, 100VQ, 588, 100VR, 589, 100VS, 590, 100VT, 591, 100VU, 592, 100VV, 593, 100VW, 594, 100VX, 595, 100VY, 596, 100VZ, 597, 100WA, 598, 100WB, 599, 100WC, 600, 100WD, 601, 100WE, 602, 100WF, 603, 100WG, 604, 100WH, 605, 100WI, 606, 100WJ, 607, 100WK, 608, 100WL, 609, 100WM, 610, 100WN, 611, 100WO, 612, 100WP, 613, 100WQ, 614, 100WR, 615, 100WS, 616, 100WT, 617, 100WU, 618, 100WV, 619, 100WW, 620, 100WX, 621, 100WY, 622, 100WZ, 623, 100XA, 624, 100XB, 625, 100XC, 626, 100XD, 627, 100XE, 628, 100XF, 629, 100XG, 630, 100XH, 631, 100XI, 632, 100XJ, 633, 100XK, 634, 100XL, 635, 100XM, 636, 100XN, 637, 100XO, 638, 100XP, 639, 100XQ, 640, 100XR, 641, 100XS, 642, 100XT, 643, 100XU, 644, 100XV, 645, 100XW, 646, 100XX, 647, 100XY, 648, 100XZ, 649, 100YA, 650, 100YB, 651, 100YC, 652, 100YD, 653, 100YE, 654, 100YF, 655, 100YG, 656, 100YH, 657, 100YI, 658, 100YJ, 659, 100YK, 660, 100YL, 661, 100YM, 662, 100YN, 663, 100YO, 664, 100YP, 665, 100YQ, 666, 100YR, 667, 100YS, 668, 100YT, 669, 100YU, 670, 100YV, 671, 100YW, 672, 100YX, 673, 100YY, 674, 100YZ, 675, 100ZA, 676, 100ZB, 677, 100ZC, 678, 100ZD, 679, 100ZE, 680, 100ZF, 681, 100ZG, 682, 100ZH, 683, 100ZI, 684, 100ZJ, 685, 100ZK, 686, 100ZL, 687, 100ZM, 688, 100ZN, 689, 100ZO, 690, 100ZP, 691, 100ZQ, 692, 100ZR, 693, 100ZS, 694, 100ZT, 695, 100ZU, 696, 100ZV, 697, 100ZW, 698, 100ZX, 699, 100ZY, 700, 100ZZ.



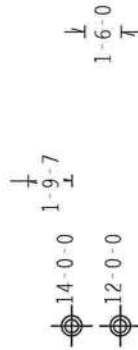
110 mph wind, 15.54 ft mean hgt, ASCE 7-02, PART 5, ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI $(+/-)=0.55$

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.

See detail BCFILLER0207. TCFILLER0207 and REPBCFIL for filler



Design Crit: TPI-2002(STD)/FBC

7 36 00

$$C_0/RT=1.00(1.25)/0(0)$$

0TY·1 EI / - / A / - / - / D / -

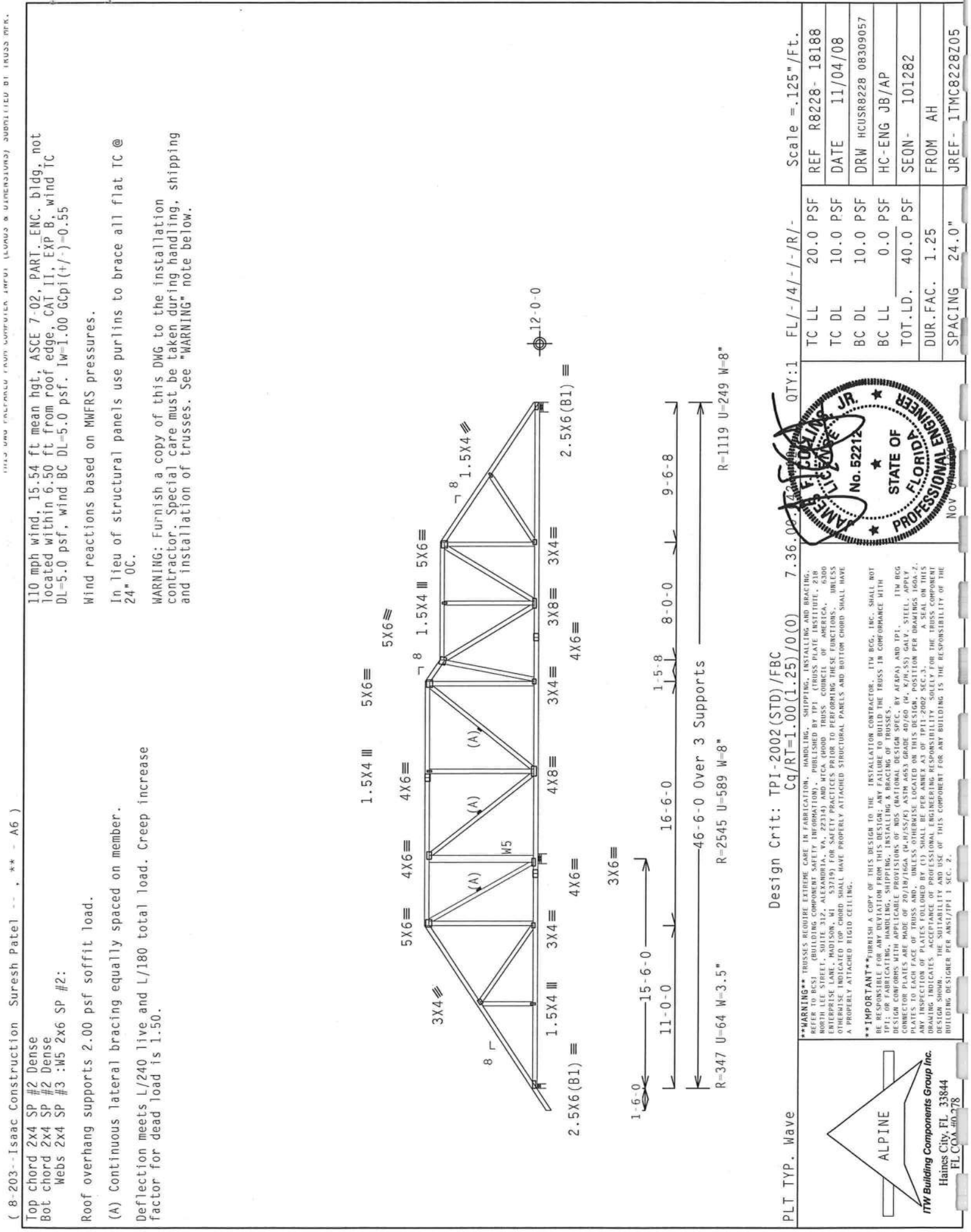
$$\text{scale} = 125''/\text{E} +$$

TC LL	20.0 PSF	REF	R8228- 18187
TC DL	10.0 PSF	DATE	11/04/08

BC UL	10.0 PSF	DRW	HCUSR8228	083090
BC LL	0.0 PSF	HC-ENG JB/AP		

TOT.LD.	40.0 PSF	SEQN-	101148
DUR.FAC.	1.25	FROM	AH





(8-203--Isaac Construction Suresh Patel -- , ** - A6)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W5 2x6 SP #2:

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.

PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC

Cq/RT=1.00(1.25)/0(0) 7.36.00

Scale = .125" / Ft.

TC LL	20.0 PSF	REF R8228- 18188
TC DL	10.0 PSF	DATE 11/04/08
BC DL	10.0 PSF	DRW HCUSR8228 08309057
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 101282
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TMC8228Z05

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL CO# 40278

JAMES F. COX, JR.

No. 52212

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Nov 2008

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

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 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.

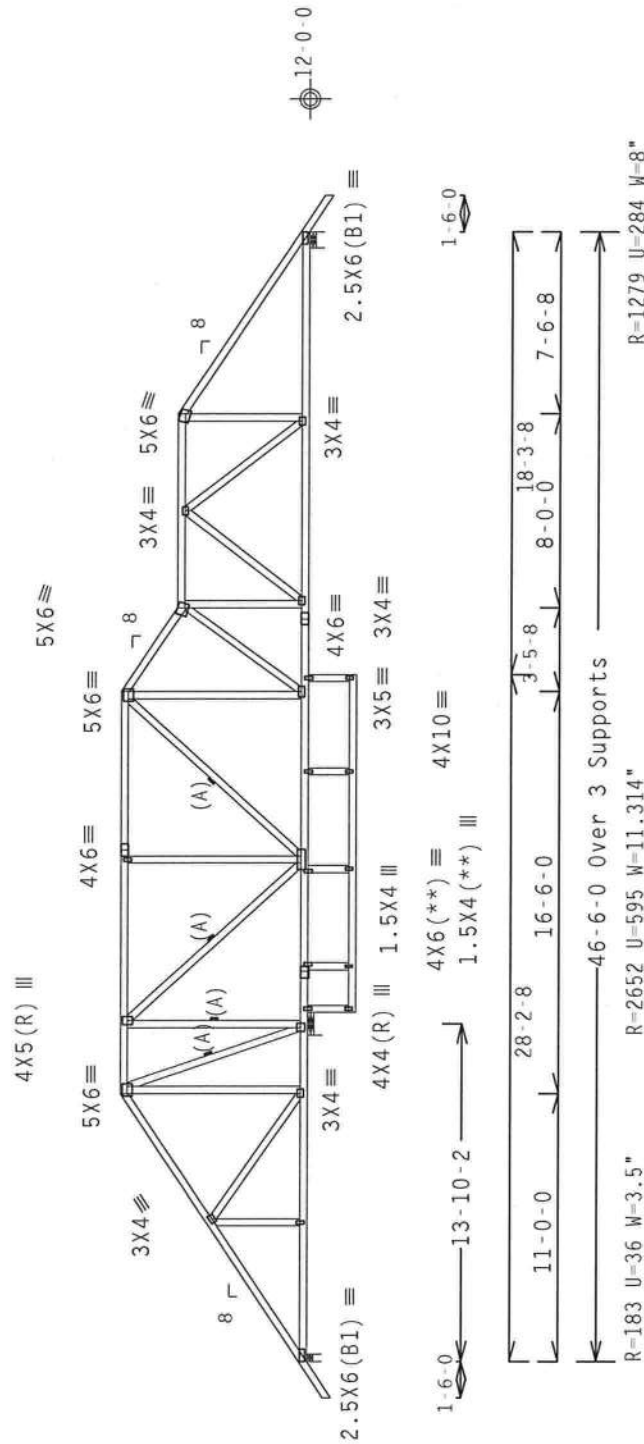
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.54 ft mean htg, ASCE 7-02, PART. ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI $(+/-)=0.55$

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.

See detail BCFILLER0207, TCFILLER0207 and RCPBCFIL for filler details. Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)



Note: All Plates Are 1.5X4 Except As Shown.

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

El / - / 4 / - / - / R / - /
Scale = 125" / Ft

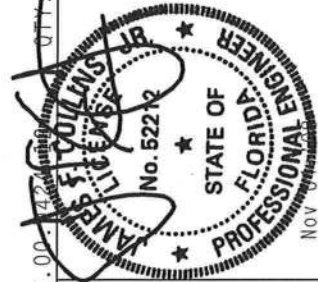
****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND DRACING. THESE THUSSES ARE AVAILABLE FROM THE FOLLOWING SOURCES:
**CROSS PLATE INSTITUTE, 9300 NORTH LEE STREET, SUITE #2, FORT MYERS, FLORIDA 33907
 CROSS PLATE AMERICA, 2108 ELMER LANE, MADISON, MI 48061-1527
 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 CHAINS.**

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ITW BEG
CONNECTOR PLATES ARE MADE OF 2018/1868 (M/M55/K) ASTM A653 GRADE 40/60 (M, K/H-55) GALV. STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBEX A3.3 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 AMBIX/TPI 1 SEC. 2.



ITW Building Components Group Inc.
Haines City, FL 33844
FL CQA #0278



TC LL	20.0	PSF	REF	R8228-	18189
TC DL	10.0	PSF	DATE	11/04/08	
BC DL	10.0	PSF	DRW	HCUSR8228	08309055
BC LL	0.0	PSF	HC-ENG	JB/AP	
TOT.LD.	40.0	PSF	SEQN-	101291	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TMC8228Z05	

	Top chord	2x4	SP	#2	Dense
	Bot chord	2x4	SP	#2	Dense
	Webbs	2x4	SP	#3	
	Filler	2x4	SP	#2	Dense

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 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.

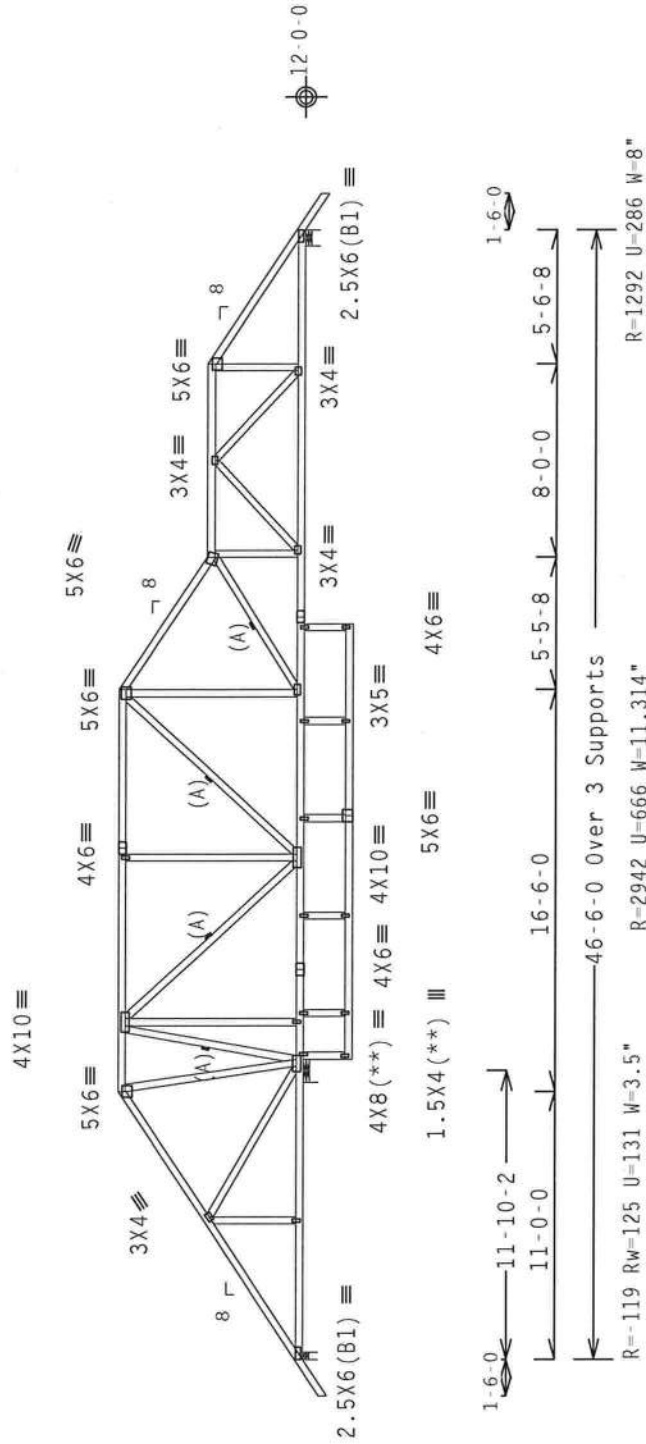
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.54 ft mean hgt. ASCE 7-02, PART. ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI $(+/-)=0.55$

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.

See detail BCFILLER0207, TCFILLER0207 and RCPBCFIL for filler details. Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

 $C_a/RT=1.00(1.25)/0(0)$

OTY:1

Scale = .125"/Ft.

WARNING: THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. NORTH LEE SCS HAS COMPLETED THE INFORMATION, PUBLISHED BY THE CROSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, AUSTIN, TEXAS 78701-2929, AND THE CROSS PLATE INSTITUTE, 1000 ENTERPRISE LANE, MOBILE, AL 36688, 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 CETTING.

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE FOLLOWING INFORMATION MUST BE OBTAINED FROM THE CHORDS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314-9160, BEFORE ANY TRUSS IS ORDERED OR FABRICATED. IF YOU ARE ANOTHER TYPE OF CONTRACTOR, PLEASE ADVISE US OF YOUR BUSINESS TYPE. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

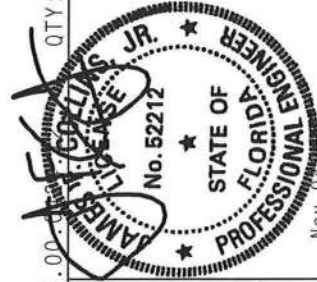
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE BY THE TRUSS IN PERFORMANCE WITH WIND, SEISMIC, OR FABRICATING, SHIPPING, INSTALLING & BRACING.

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSSES MUST BE PROPERLY SUPPORTED AND BRACED TO THE NORTH LEE STEEL PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALANDRIA VA 22104, AND VICA TRUSS COMPANY, 100 ENTERPRISE LANE, MOORESBY, 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.

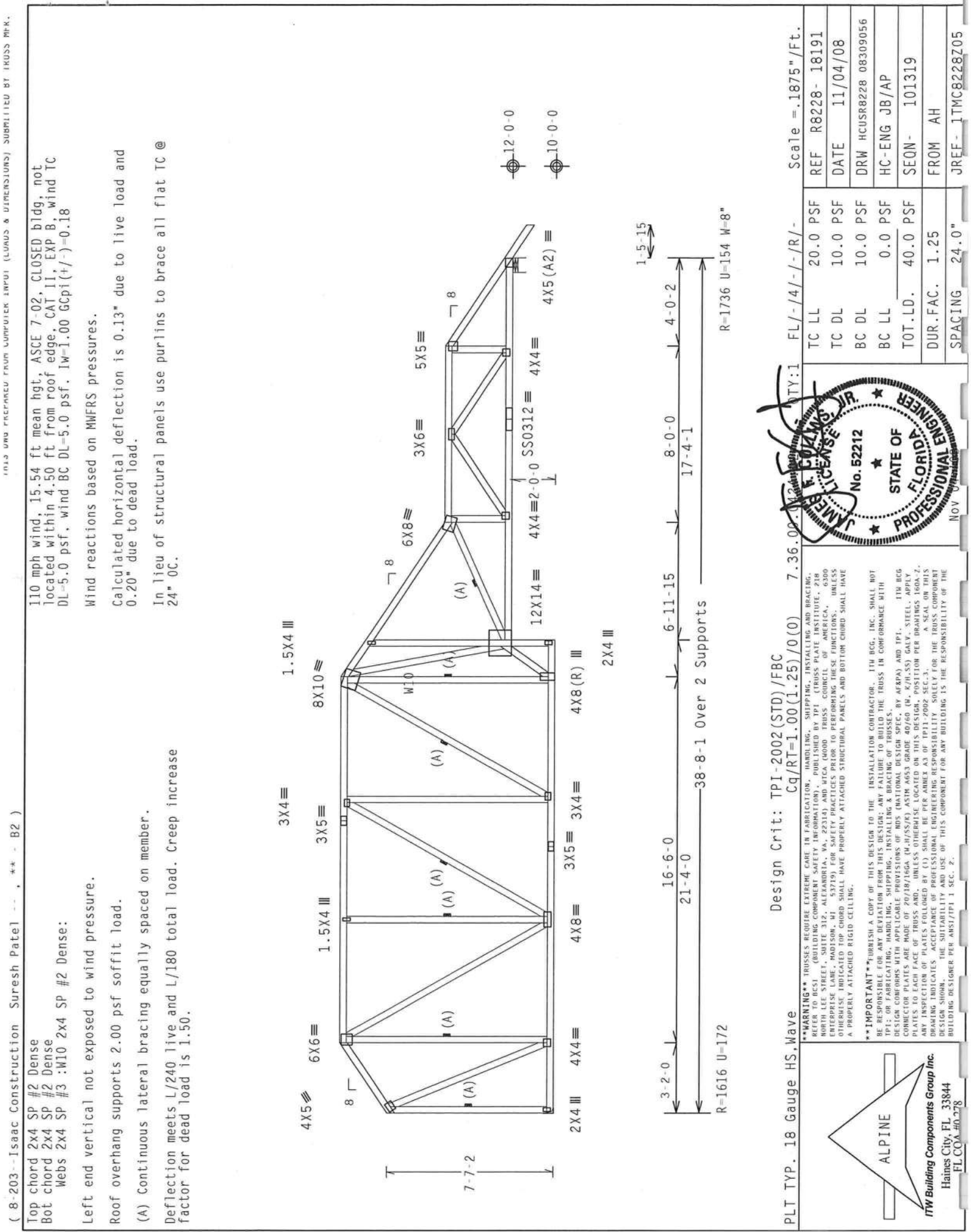
IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI-1 OR FOR BRACING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES.

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, B, K14) AND TPI-1. CONNECTOR PLATES ARE MADE OF 2017/18 TIGAS (N/1/552K) ASTM A663 GRADE 50/60 (N/ K14/55) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS POSITION, PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PER AFBX A3 OF TPI-1 2002 SEC.3.

THIS DESIGN INDICATES A PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THE DESIGN. THE SUBMITTAL OF THIS DESIGN FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER AFBX/TPI-1 SEC. 2.



TC LL	20.0 PSF	REF	R8228-	18190
TC DL	10.0 PSF	DATE	11/04/08	
BC DL	10.0 PSF	DRW	HCUSR8228	08309041
BC LL	0.0 PSF	HC-ENG	JB/AP	
TOT.LD.	40.0 PSF	SEQN-	101308	
DUR.FAC.	1.25	FROM	AH	
SPACING	24.0"	JREF-	1TMC8228Z05	



2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25", min.)_nails)

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

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

Bot Chord: 1 Row @12.00" o.c.
1 Row @ 4" o.c.

Webbs : 1 Row @ 4" O.C.

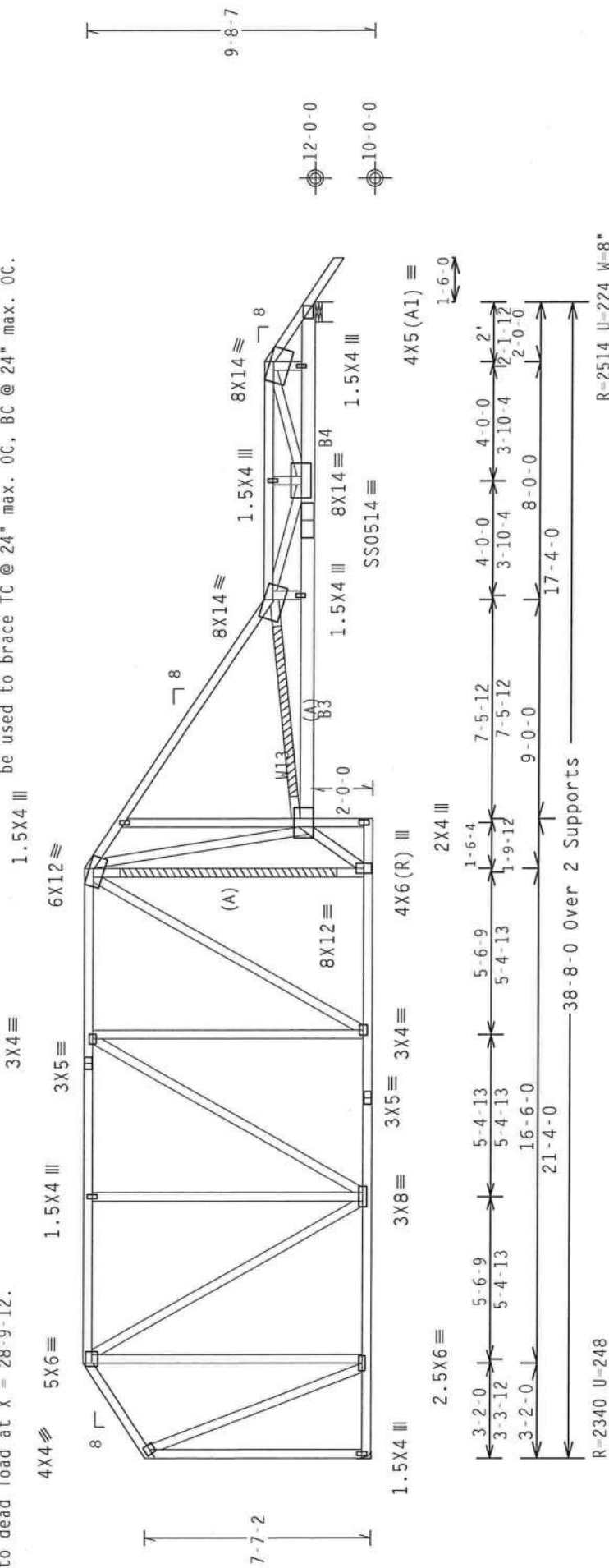
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.16" due to live load and 0.27" due to dead load.

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, purlins may be used to brace TC @ 24" max. OC, BC @ 24" max. OC.



R-2340 U-248

R=2514 U=224 W=8^m

Design Crit: TPI-2002(STD)/FBC

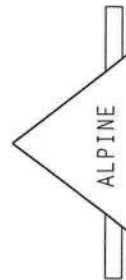
PLT TYP. 18 Gauge HS, Wave

	F1-2002 (Std) / FBC	Cq/RT=1.00 (1.25) / 0(0)	7.36.00

QTY:1 FL1-141-1-1R1-

Scale = .1875"/Ft.

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS BUILDING COMPONENT SAFETY SYSTEMS LIMITED (B3) CROSS PLATE INSTITUTE, 2300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND TPCO BUS COMPANY, 10000 WILSON AVENUE, SUITE 100, ENTERPRISE LANE, MADISON, WI 53719. ADVISE ALL PERSONNEL OF THE PROPER HANDLING AND BRACING OF THUSSES. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CATHARTIC.

[illegible]

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278



Nov 04 '08

TC LL	20.0	PSF	REF	R8228-	18192
TC DL	10.0	PSF	DATE	11/04/08	
BC DL	10.0	PSF	DRW	HCUSR8228	08309069
BC LL	0.0	PSF	HC-ENG	DF/DF	
TOT.LD.	40.0	PSF	SEQN-	109297	
DUR.FAC.	1.25		FROM	AH	
SPACING	34.7"		JREF-	1TMC82228Z05	

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

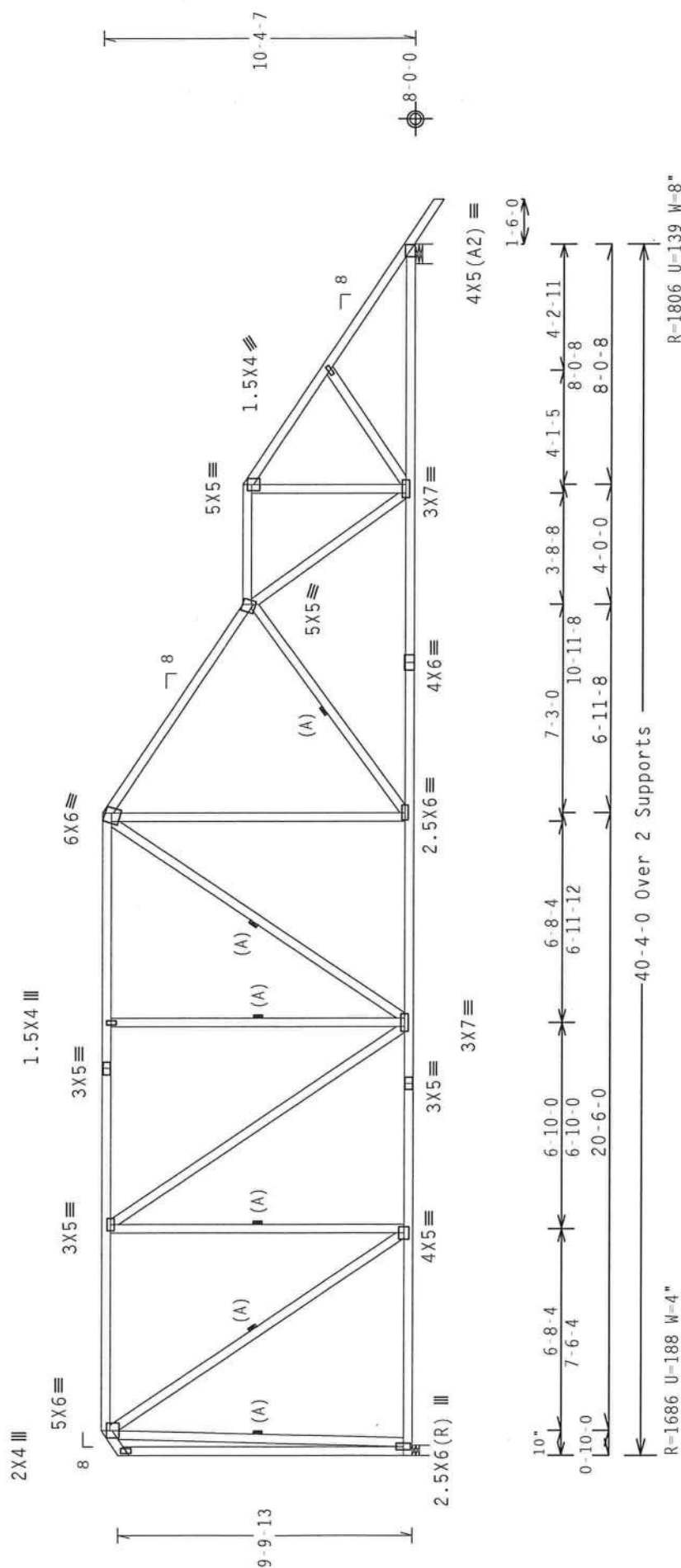
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

(A) Continuous lateral bracing equally spaced on member.

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



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

Scale = .1875"/Ft.

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

105/106

7.36.0

 $Cq/RT=1.00(1.25)/0(0)$ [illegible]

PLT TYP. Wave

TC LL	20.0 PSF	REF	R8228- 18193
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 0830902
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	109261
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05

A circular professional engineer seal for the State of Florida. The outer ring contains the text "JAMES L. DEVINE, JR." at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The inner circle contains the text "STATE OF FLORIDA" at the top and "No. 52242" at the bottom, also separated by two stars. A date stamp "Nov 04 08" is visible on the right side of the seal.

BRACING.
WHITE. 218
6300
UNLESS
SMALL HAVE

ON, HANDLING, SHIPPING, INSTALLING AND
PUBLISHED BY THE TRUSS PLATE INSTITUTE
TO AMERICA THROUGH THE COUNCIL OF AMERICAN
TRUSSES PRIOR TO PERFORMING THESE FUNCTIONS,
SUCH STRUCTURAL PANELS AND BOTTOM CHORD S

INSTALLATION CONTRACTOR. ITW BCG, INC.,
FAILURE TO BUILD THE TRUSS IN CONFORMANCE
WITH THE REQUIREMENTS OF THE TRUSSING
NOMINAL DESIGN SPEC., BY ACPA) AND TP1.
M A653 GRADE 40/60 FH, K/H-S53 GALV., STEEL
GAS CUT ON THIS DESIGN, POSITION PER DRAWING
CATED ON THIS DESIGN, POSITION PER DRAWING
PARAPH 3.3 OF TP1-2002 SEC.3.
RESPONSIBILITY SOLELY FOR THE TRUSS
MENT FOR ANY BUILDING IS THE RESPONSIBILI

EXTREME CARE IN FABRICATING AND ASSEMBLING THIS COMPONENT SAFETY INFORMATION (ALBUQUERQUE, NM 87105) AND (ALEXANDRIA, VA, 22314) AND (53219) FOR SAFETY PRACTICES. IT SHALL HAVE PROPER ATTENTION TO THE SAFETY OF THE INSTALLING.

WARNING TRUSSES BEING SUPPLIED TO BEST BUILDING COMPANY, 100 NORTH LEE STREET, SUITE 312, FORT WORTH, TEXAS 76102, FOR AN INTERPRISE LANE, MADISON, WISCONSIN. THE DRAWING INDICATED TOP CHORDS TO BE 12" X 12" SIPS. A PROPERLY ATTACHED RIGID CEILING TRUSS WILL BE RESPONSIBLE FOR ANY DEVIATION FROM THE DRAWING. DISCUSS CONFORMS WITH APPLICATIONS. CONNECTOR PLATES ARE MADE OF PLATE TO EACH FACE OF TRUSSES. VISUAL INSPECTION OF PLATES FOLLOWS PROGRAMMING INDICATES ACCEPTANCE OF SIGN SHOWN. THE SUITABLE BUILDING DESIGNER PER ANSI/



ALPINE
Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0278

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W11 2x4 SP #2 Dense:

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

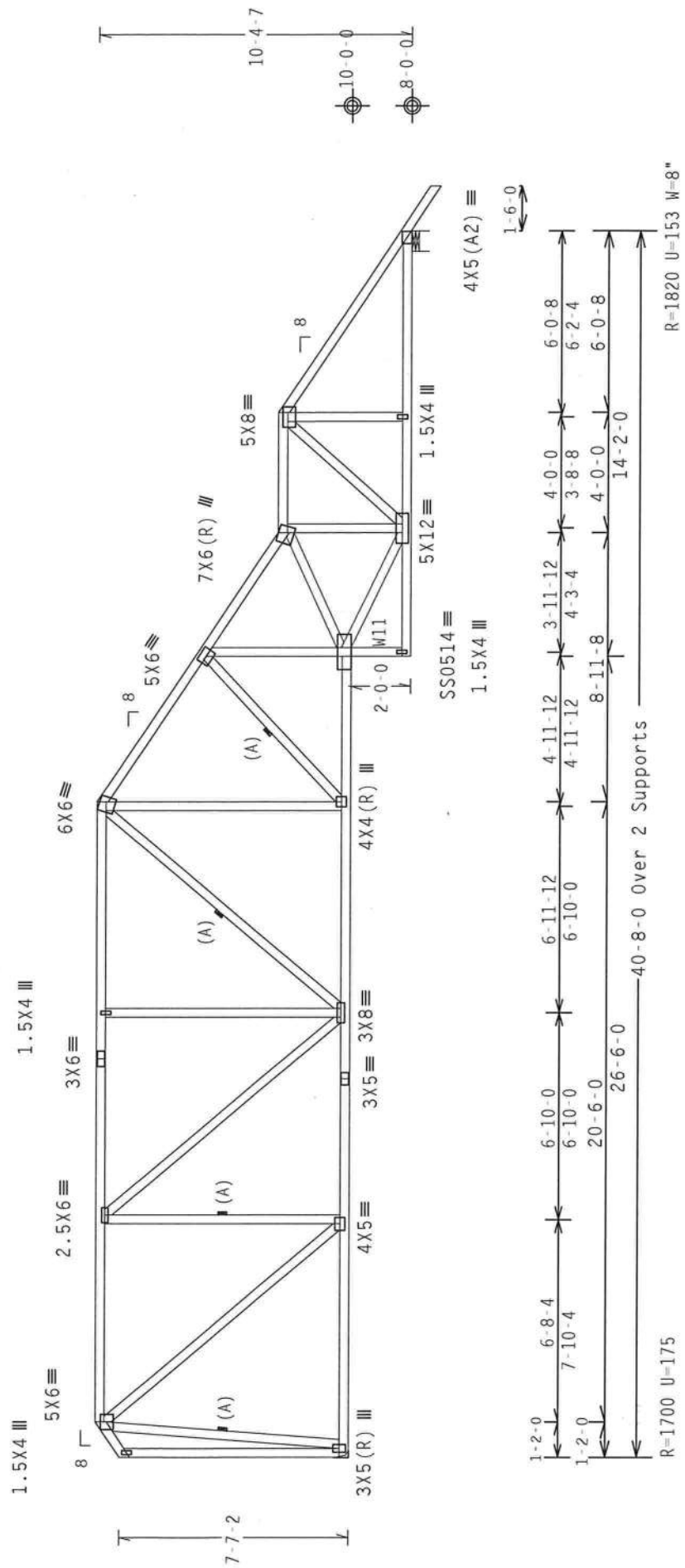
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

(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.



PLT TYP. 18 Gauge HS, Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.00

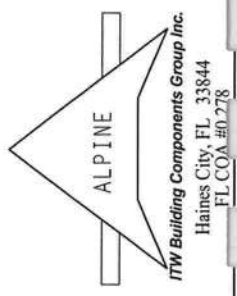
QTY:1

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/ASA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/166A (4-M/SS/A) ASTM A653 GRADE 40/60 (W, K/M-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3, A SEAL OR THIS DESIGN SHALL BE THE SOLE RESPONSIBILITY OF THE DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE 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.

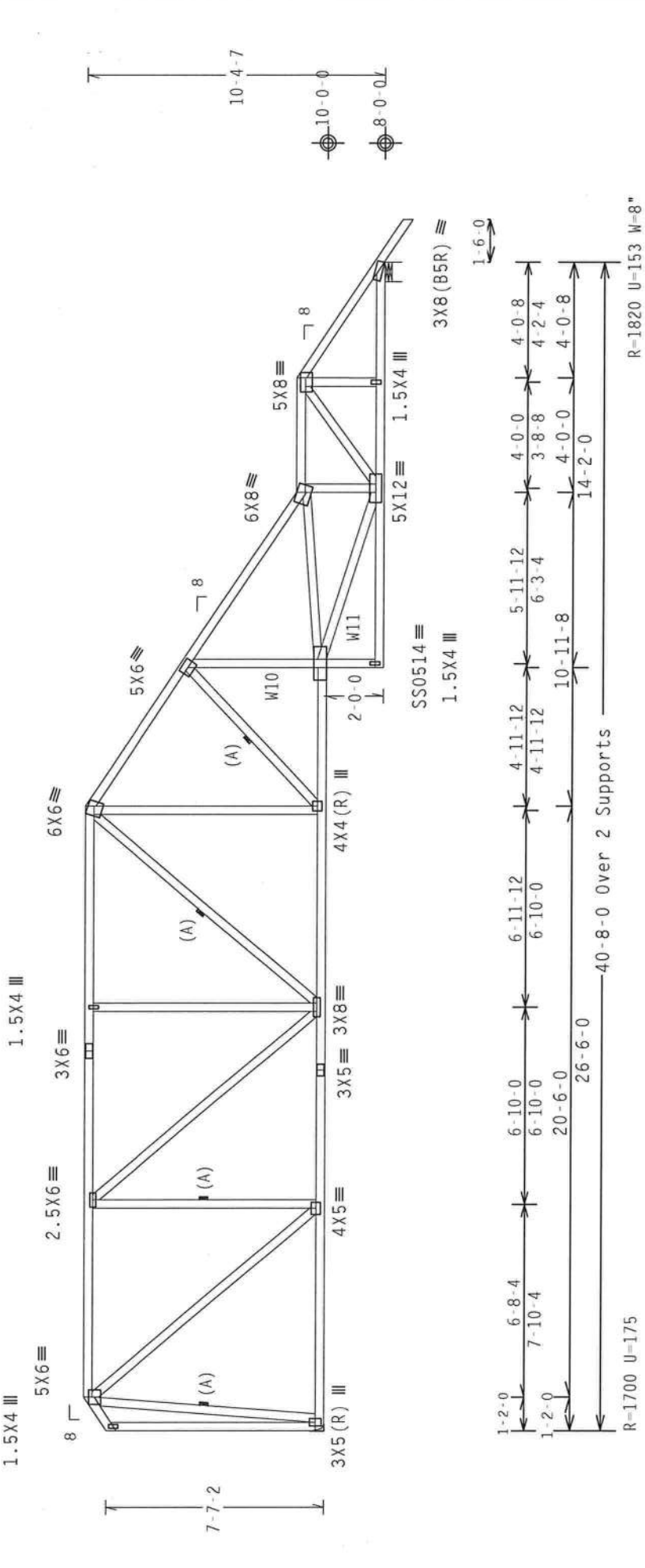


ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W10, W11 2x4 SP #2 Dense:
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP 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.
(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.

Wind reactions based on MWFRS pressures.
(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. 18 Gauge HS.Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.00

Scale = .1875"/Ft.

REF	TC LL	20.0 PSF	FL/-/4/-/-/R/-
R8228- 18195	TC DL	10.0 PSF	
DATE 11/04/08	BC DL	10.0 PSF	
DRW HCUSR8228 08309028	BC LL	0.0 PSF	
HC-ENG DF/DF	TOT.LD.	40.0 PSF	
SEQN- 109277	DUR.FAC.	1.25	
FROM AH	SPACING	24.0"	
JREF- 1TMC8228Z05			

Nov 08

ALPINE

rtw Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION FOR TRUSSES, POSTED BY THE NATIONAL TRUSS COUNCIL OF AMERICA, 100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WEA, 4000 TRUSS 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. ITH REG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AERPA) AND TPI. ITH REG CONNECTOR PLATES ARE MADE OF 70/10/166A (W/H/SS/P) ASTM A653 GRADE 40/60 (W, K/H, SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN INDICATES THE SELLER'S ACCEPTANCE OF THE DESIGN. THE SELLER'S ACCEPTANCE OF THE DESIGN SHOWN INDICATES THE SELLER'S ACCEPTANCE OF THE BUILDING DESIGNER PER AMSI/TPI 1 SEC. 2.

Age Group	Very satisfied
18-29	~400
30-49	~500
50-69	~600
70-89	~700
90+	~900

nes City, FL 33844
FL COA #0278

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

Left end vertical not exposed to wind pressure.

Calculated horizontal deflection is 0.12" due to live load and 0.19" due to dead load.

See DWGS TCFILLER0207 and BCFILLER0207 for filler details.

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

NOTE: Laterally brace bottom chord above filler at 2'0" O.C. max. including a lateral brace at chord ends.

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

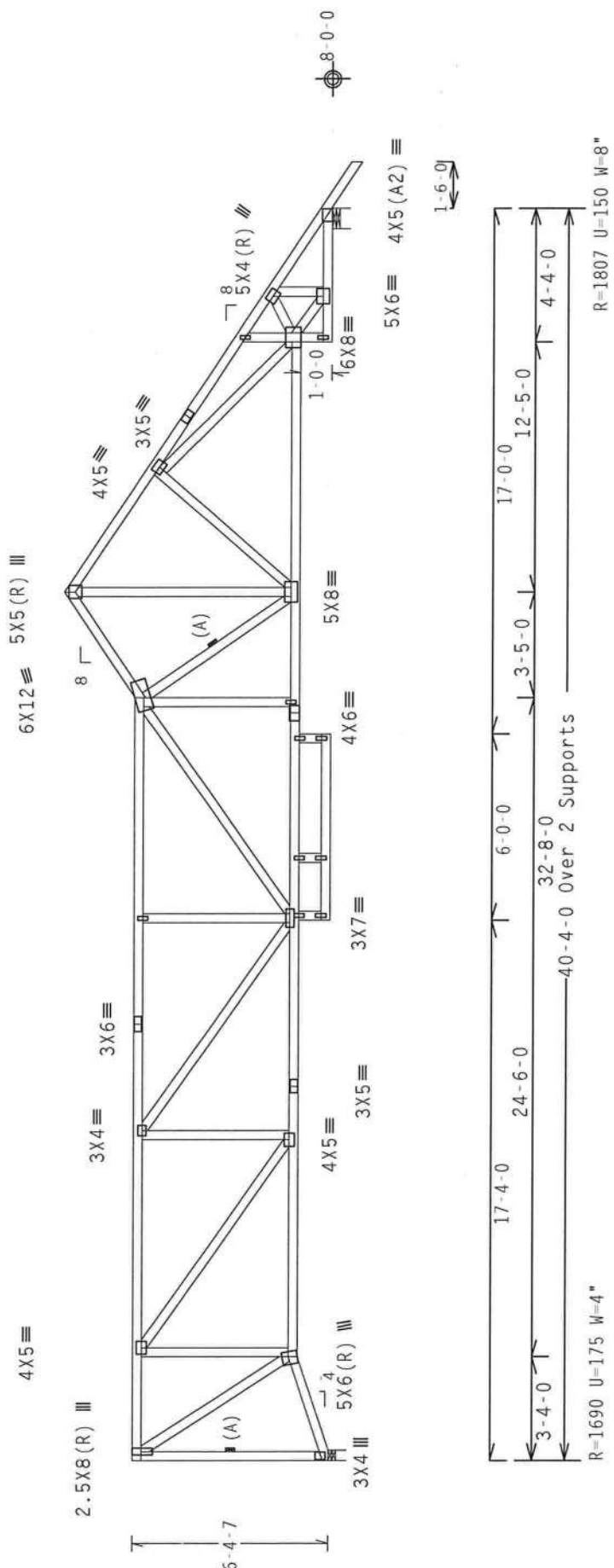
Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

Max JT VERT DEFL: LL: 0.26" DL: 0.42" recommended camber 3/4"

(A) Continuous lateral bracing equally spaced on member.

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

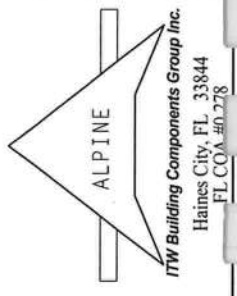
7.36.00

00 ~~Quantity~~ QTY:1

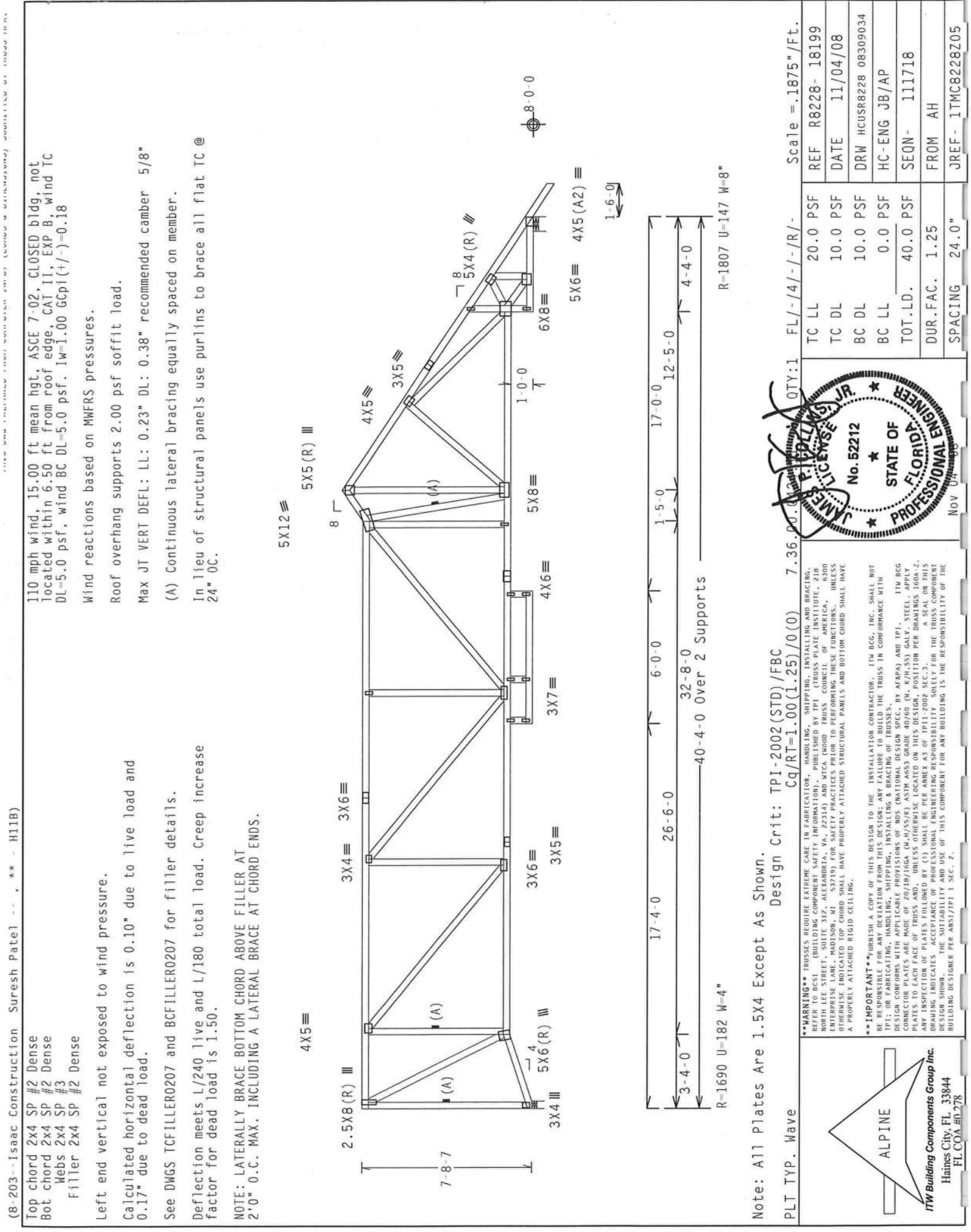
Scale = .1875"/Ft.

*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCSP (BUILDING COMMISSION SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 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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TRUSS ZIP: 34. TRUSS CURRENCY: 35. TRUSS LANGUAGE: 36. TRUSS UNIT: 37. TRUSS SCALE: 38. TRUSS DRAWING: 39. TRUSS SHEET: 40. TRUSS TITLE: 41. TRUSS SUBTITLE: 42. TRUSS DESCRIPTION: 43. TRUSS PURPOSE: 44. TRUSS FUNCTION: 45. TRUSS USE: 46. TRUSS LOCATION: 47. TRUSS CLIMATE: 48. TRUSS SEISMIC: 49. TRUSS WIND: 50. TRUSS SNOW: 51. TRUSS RAIN: 52. TRUSS SUN: 53. TRUSS MOON: 54. TRUSS STARS: 55. TRUSS PLANETS: 56. TRUSS GALAXIES: 57. TRUSS UNIVERSE: 58. TRUSS GOD: 59. TRUSS DEVIL: 60. TRUSS ANGELS: 61. TRUSS DEMONS: 62. TRUSS SPIRITS: 63. TRUSS GHOSTS: 64. TRUSS PHANTOMS: 65. TRUSS WEREWOLVES: 66. TRUSS VAMPIRES: 67. TRUSS ZOMBIES: 68. TRUSS MURDERERS: 69. TRUSS DRUG DEALERS: 70. TRUSS PROSTITUTES: 71. TRUSS GAMBLERS: 72. TRUSS SMOKERS: 73. TRUSS DRINKERS: 74. TRUSS GAMERS: 75. TRUSS MUSICIANS: 76. TRUSS ACTORS: 77. TRUSS DANCERS: 78. TRUSS SINGERS: 79. TRUSS WRITERS: 80. TRUSS ARTISTS: 81. TRUSS SCIENTISTS: 82. TRUSS ENGINEERS: 83. TRUSS DOCTORS: 84. TRUSS LAWYERS: 85. TRUSS JUDGES: 86. TRUSS POLICE: 87. TRUSS FIREMEN: 88. TRUSS SOLDIERS: 89. TRUSS NAVY: 90. TRUSS AIR FORCE: 91. TRUSS MARINE CORPS: 92. TRUSS COAST GUARD: 93. TRUSS CUSTOMS: 94. TRUSS BORDER PATROL: 95. TRUSS IMMIGRATION: 96. TRUSS DEPARTMENT OF JUSTICE: 97. TRUSS DEPARTMENT OF EDUCATION: 98. TRUSS DEPARTMENT OF HEALTH AND HUMAN SERVICES: 99. TRUSS DEPARTMENT OF AGRICULTURE: 100. TRUSS DEPARTMENT OF ENERGY: 101. TRUSS DEPARTMENT OF TRANSPORTATION: 102. TRUSS DEPARTMENT OF COMMERCE: 103. TRUSS DEPARTMENT OF LABOR: 104. TRUSS DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT: 105. TRUSS DEPARTMENT OF INTERIOR: 106. TRUSS DEPARTMENT OF DEFENSE: 107. TRUSS DEPARTMENT OF VETERANS AFFAIRS: 108. TRUSS DEPARTMENT OF AGRICULTURE: 109. TRUSS DEPARTMENT OF ENERGY: 110. TRUSS DEPARTMENT OF TRANSPORTATION: 111. TRUSS DEPARTMENT OF COMMERCE: 112. TRUSS DEPARTMENT OF LABOR: 113. TRUSS DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT: 114. TRUSS DEPARTMENT OF INTERIOR: 115. TRUSS DEPARTMENT OF DEFENSE: 116. 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TC LL	20.0	PSF	REF	R8228- 18198
TC DL	10.0	PSF	DATE	11/04/08
BC DL	10.0	PSF	DRW	HCUSR8228 08309033
BC LL	0.0	PSF	HC-ENG	JB/AP
TOT.LD.	40.0	PSF	SEQN-	111701
DUR.FAC.	1.25		FROM	AH
SPACING	24.0"		JREF-	1TMC8228Z05



(8-203--Isaac Construction Suresh Patel --, ** - H11B)

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

Left end vertical not exposed to wind pressure.

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

See DWGS TCFILLER0207 and BCFILLER0207 for filler details.

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

NOTE: Laterally brace bottom chord above filler at 2'0" O.C. MAX. INCLUDING A LATERAL BRACE AT CHORD ENDS.

Note: All Plates Are 1.5X4 Except As Shown.

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

PLT TYP. Wave

PLT TYP. Wave

Scale = .1875" / Ft.

TC LL	20.0 PSF	FL / - 4 / - / - / R / -
TC DL	10.0 PSF	
BC DL	10.0 PSF	
BC LL	0.0 PSF	
TOT. LD.	40.0 PSF	
DUR. FAC.	1.25	
SPACING	24.0"	

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

James P. Collins, Jr.
Professional Engineer
State of Florida
License No. 52212
Nov 04

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Configuration	SP #1	SP #2	Dense
Top chord	2x4	SP #2	Dense
Bottom chord	2x4	SP #2	Dense
Web	2x4	SP #3	Dense
Filler	2x4	SP #2	Dense

110 mph wind, 15.00 ft mean hgt., ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP 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.

Roof overhang supports 2.00 psf soffit load.

See DWGS TCFILLER0207 and BCFILLER0207 for filler details.

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

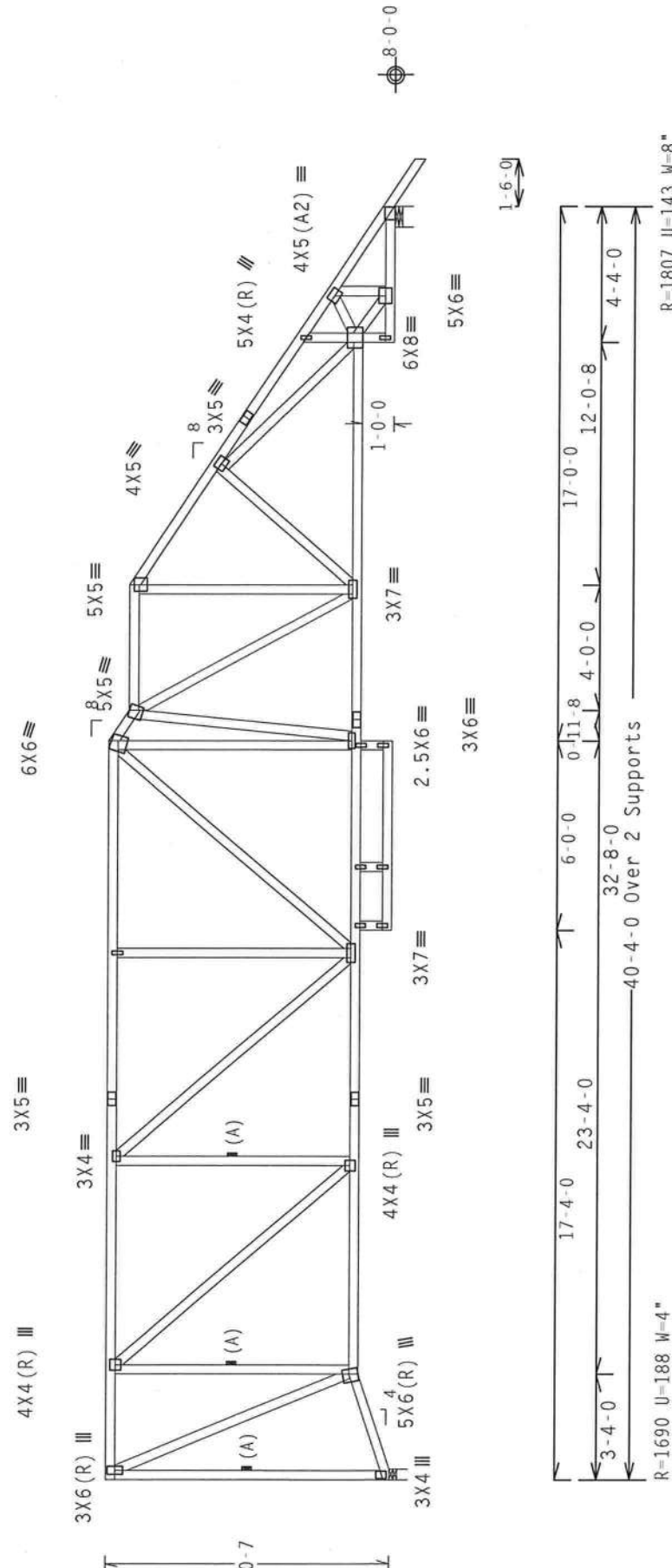
left end vertical not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.17" DL: 0.28" recommended camber 1/2"

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 4" OC.

NOTE: Laterally brace bottom chord above filler at 0'0" o.c. max. including a lateral brace at chord ends.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

$C_q/RT=1.00(1.25)/0(0)$	7.36.00
1.00E+00	1.00E+00
1.00E-01	1.00E-01
1.00E-02	1.00E-02
1.00E-03	1.00E-03
1.00E-04	1.00E-04
1.00E-05	1.00E-05
1.00E-06	1.00E-06
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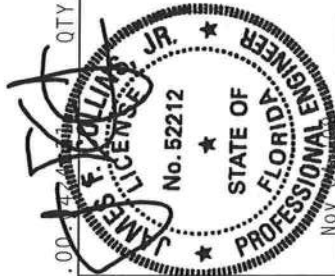
QTY:1 FL/-/4/-/-/R/-/

Scale = .1875"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6200 NORTH LANE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND UIC (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 PROPERLY ATTACHED RIGID CEILING.

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DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.) AND TPI. ITH BCG DESIGNER PLATES ARE MADE OF 20/18/16GA (OF .0055") ASTM A653 GRADE 40/60 (H, K/FH-S5) GALV. STEEL. APPLICABLE CONNECTIONS AT EACH JOINT OF TRUSS AND, UNLESS OTHERWISE LOCATED IN THIS POSITION PER DRAWINGS 160A-2, 160A-3, 160A-4, 160A-5, 160A-6, 160A-7, 160A-8, 160A-9, 160A-10, 160A-11, 160A-12, 160A-13, 160A-14, 160A-15, 160A-16, 160A-17, 160A-18, 160A-19, 160A-20, 160A-21, 160A-22, 160A-23, 160A-24, 160A-25, 160A-26, 160A-27, 160A-28, 160A-29, 160A-30, 160A-31, 160A-32, 160A-33, 160A-34, 160A-35, 160A-36, 160A-37, 160A-38, 160A-39, 160A-40, 160A-41, 160A-42, 160A-43, 160A-44, 160A-45, 160A-46, 160A-47, 160A-48, 160A-49, 160A-50, 160A-51, 160A-52, 160A-53, 160A-54, 160A-55, 160A-56, 160A-57, 160A-58, 160A-59, 160A-60, 160A-61, 160A-62, 160A-63, 160A-64, 160A-65, 160A-66, 160A-67, 160A-68, 160A-69, 160A-70, 160A-71, 160A-72, 160A-73, 160A-74, 160A-75, 160A-76, 160A-77, 160A-78, 160A-79, 160A-80, 160A-81, 160A-82, 160A-83, 160A-84, 160A-85, 160A-86, 160A-87, 160A-88, 160A-89, 160A-90, 160A-91, 160A-92, 160A-93, 160A-94, 160A-95, 160A-96, 160A-97, 160A-98, 160A-99, 160A-100, 160A-101, 160A-102, 160A-103, 160A-104, 160A-105, 160A-106, 160A-107, 160A-108, 160A-109, 160A-110, 160A-111, 160A-112, 160A-113, 160A-114, 160A-115, 160A-116, 160A-117, 160A-118, 160A-119, 160A-120, 160A-121, 160A-122, 160A-123, 160A-124, 160A-125, 160A-126, 160A-127, 160A-128, 160A-129, 160A-130, 160A-131, 160A-132, 160A-133, 160A-134, 160A-135, 160A-136, 160A-137, 160A-138, 160A-139, 160A-140, 160A-141, 160A-142, 160A-143, 160A-144, 160A-145, 160A-146, 160A-147, 160A-148, 160A-149, 160A-150, 160A-151, 160A-152, 160A-153, 160A-154, 160A-155, 160A-156, 160A-157, 160A-158, 160A-159, 160A-160, 160A-161, 160A-162, 160A-163, 160A-164, 160A-165, 160A-166, 160A-167, 160A-168, 160A-169, 160A-170, 160A-171, 160A-172, 160A-173, 160A-174, 160A-175, 160A-176, 160A-177, 160A-178, 160A-179, 160A-180, 160A-181, 160A-182, 160A-183, 160A-184, 160A-185, 160A-186, 160A-187, 160A-188, 160A-189, 160A-190, 160A-191, 160A-192, 160A-193, 160A-194, 160A-195, 160A-196, 160A-197, 160A-198, 160A-199, 160A-200, 160A-201, 160A-202, 160A-203, 160A-204, 160A-205, 160A-206, 160A-207, 160A-208, 160A-209, 160A-210, 160A-211, 160A-212, 160A-213, 160A-214, 160A-215, 160A-216, 160A-217, 160A-218, 160A-219, 160A-220, 160A-221, 160A-222, 160A-223, 160A-224, 160A-225, 160A-226, 160A-227, 160A-228, 160A-229, 160A-230, 160A-231, 160A-232, 160A-233, 160A-234, 160A-235, 160A-236, 160A-237, 160A-238, 160A-239, 160A-240, 160A-241, 160A-242, 160A-243, 160A-244, 160A-245, 160A-246, 160A-247, 160A-248, 160A-249, 160A-250, 160A-251, 160A-252, 160A-253, 160A-254, 160A-255, 160A-256, 160A-257, 160A-258, 160A-259, 160A-260, 160A-261, 160A-262, 160A-263, 160A-264, 160A-265, 160A-266, 160A-267, 160A-268, 160A-269, 160A-270, 160A-271, 160A-272, 160A-273, 160A-274, 160A-275, 160A-276, 160A-277, 160A-278, 160A-279, 160A-280, 160A-281, 160A-282, 160A-283, 160A-284, 160A-285, 160A-286, 160A-287, 160A-288, 160A-289, 160A-290, 160A-291, 160A-292, 160A-293, 160A-294, 160A-295, 160A-296, 160A-297, 160A-298, 160A-299, 160A-300, 160A-301, 160A-302, 160A-303, 160A-304, 160A-305, 160A-306, 160A-307, 160A-308, 160A-309, 160A-310, 160A-311, 160A-312, 160A-313, 160A-314, 160A-315, 160A-316, 160A-317, 160A-318, 160A-319, 160A-320, 160A-321, 160A-322, 160A-323, 160A-324, 160A-325, 160A-326, 160A-327, 160A-328, 160A-329, 160A-330, 160A-331, 160A-332, 160A-333, 160A-334, 160A-335, 160A-336, 160A-337, 160A-338, 160A-339, 160A-340, 160A-341, 160A-342, 160A-343, 160A-344, 160A-345, 160A-346, 160A-347, 160A-348, 160A-349, 160A-350, 160A-351, 160A-352, 160A-353, 160A-354, 160A-355, 160A-356, 160A-357, 160A-358, 160A-359, 160A-360, 160A-361, 160A-362, 160A-363, 160A-364, 160A-365, 160A-366, 160A-367, 160A-368, 160A-369, 160A-370, 160A-371, 160A-372, 160A-373, 160A-374, 160A-375, 160A-376, 160A-377, 160A-378, 160A-379, 160A-380, 160A-381, 160A-382, 160A-383, 160A-384, 160A-385, 160A-386, 160A-387, 160A-388, 160A-389, 160A-390, 160A-391, 160A-392, 160A-393, 160A-394, 160A-395, 160A-396, 160A-397, 160A-398, 160A-399, 160A-400, 160A-401, 160A-402,



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
E1 COA #0 778

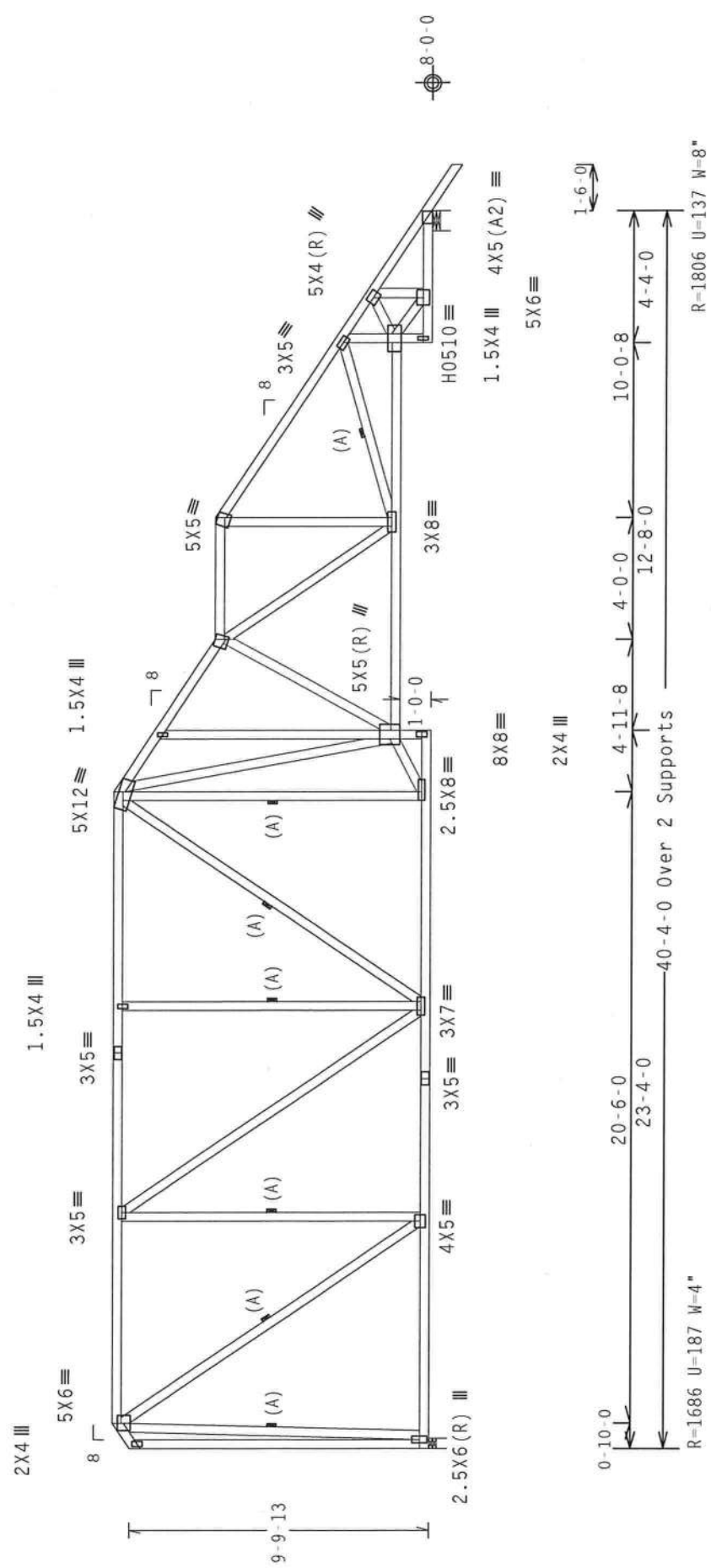
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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



Design Crit: TPI-2002(STD)/FBC

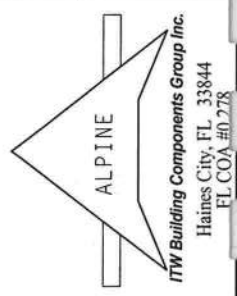
PLT TYP.	20 Gauge HS,Wave	Cq/RT=1.00(1.25)/0(0)	7.36	QTY:1	FL/-4/-R/-	Scale =.1875"/Ft.
Design Crit: PI-2002(SID)/FBC						

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENTS INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND NCCA (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 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 TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONTRACTORS MUST COMPLY WITH ALL APPLICABLE NATIONAL DESIGN SPEC., BY AREA(S) AND TP1, APPLY TO ALL TRUSSES WITH APPLICABLE PORTION OF ROOF (NATIONAL DESIGN SPEC., BY AREA(S) AND TP1, APPLY TO ALL TRUSSES WITH APPLICABLE PORTION OF WALL). ALL TRUSSES SHALL BE DESIGNED PER DRAWINGS, AND PLATES TO EACH FACE OF TRUSS, UNLESS OTHERWISE LOCATED ON THIS DESIGN. FIVE (5) GALV. STEEL, TP1.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN AS OF TP1-2002 SEC. 3. A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE SUBMITTAL 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- 18201
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCU8R8228 08309010
BC LL	0.0 PSF	HC-ENG	JB/AP *
TOT.LD.	40.0 PSF	SEQN-	111737
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05

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. *Iw*=1.00 *Gcpi*(+/-)=-0.18

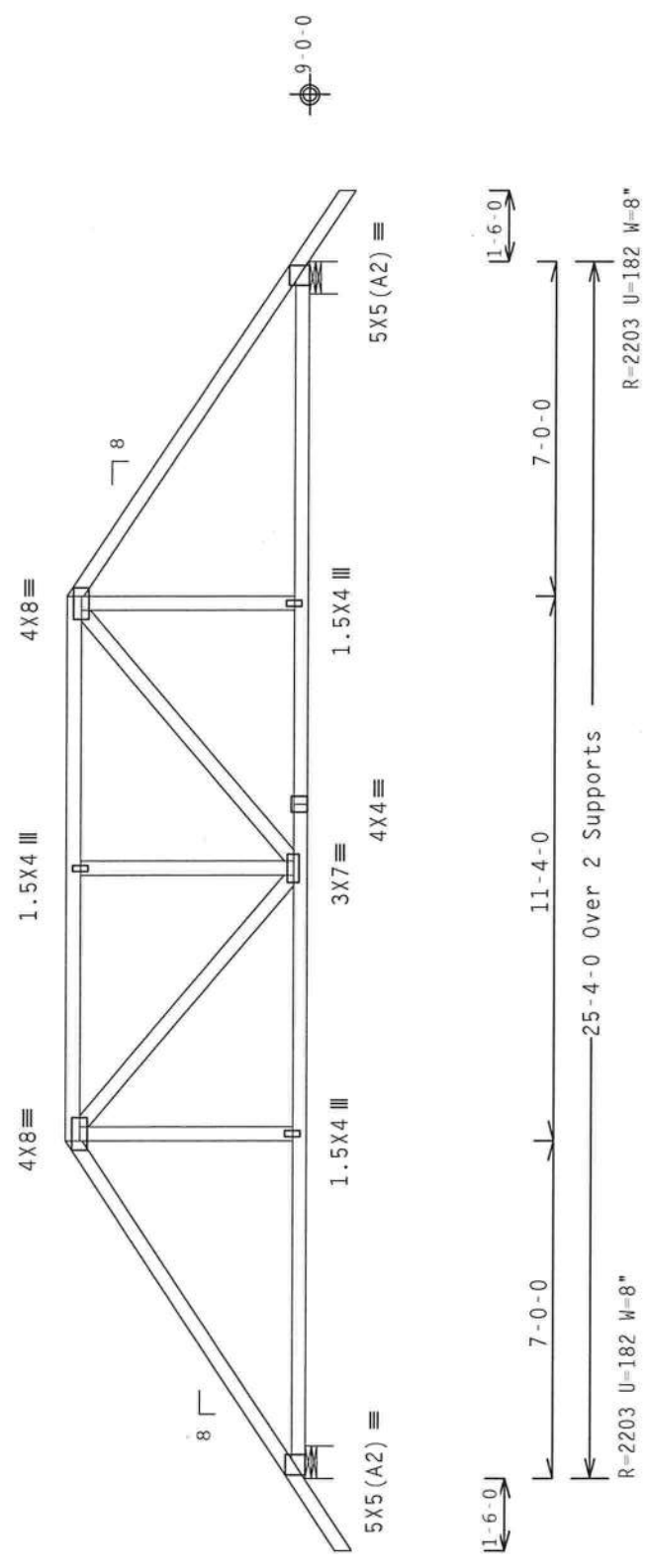
Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS 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.

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

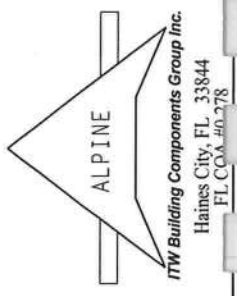


PLT TYP.	Wave	Design Crit:	TPI-2002(STD)/FBC
			Cq/RT-1.00(1.25)/

00:41:20 QTY:1 FL/-/4/-/-/R/- Scale=.25"/Ft.

****WARNING**** THUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND TRACING. REFER TO BCSI (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.

	TC LL	20.0	PSF	REF	R8228 - 18202
	TC DL	10.0	PSF	DATE	11/04/08
	BC DL	10.0	PSF	DRW	HCUSR8228 08309036
	BC LL	0.0	PSF	HC-ENG	JB/AP
	TOT.LD.	40.0	PSF	SEQN -	111537
	DUR.FAC.	1.25		FROM	AH
SPACING			24.0"	JREF -	1TWC8228Z05



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

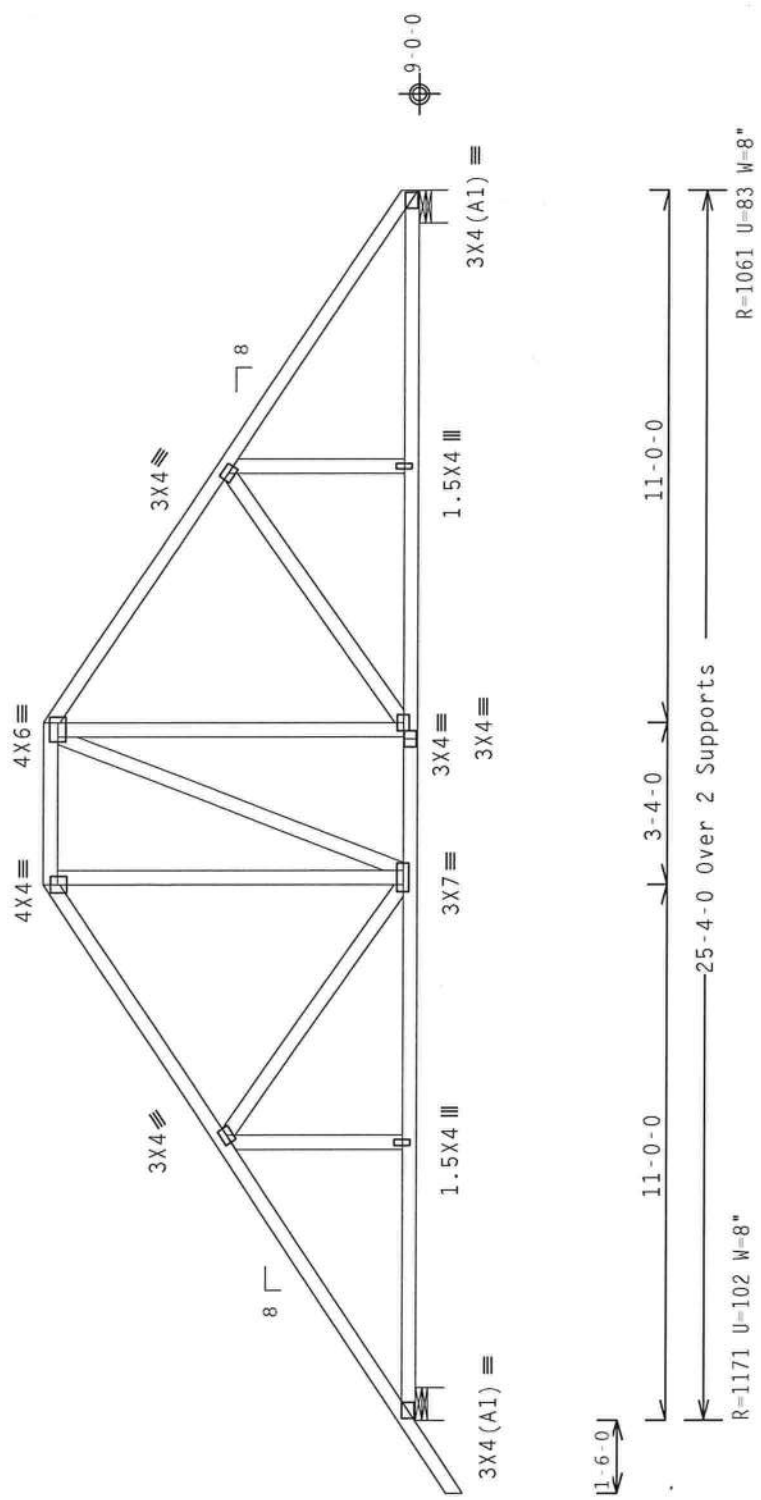
Roof overhang supports 2.00 psf soffit load.

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

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.

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

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

Scale = .25"/Ft.

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

00 24 00 QT

7.

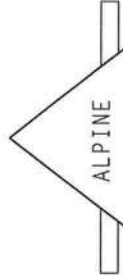
 $Cq/RT=1.00(1.25)/$

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENTS INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WIGA (WOOD TRUSS COUNCIL OF AMERICA, 2100 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 COMPONENTS WITH APPLICABLE PORTION OF PROFESSIONAL DESIGNER SPEC., OF A/P, AND THE BUILDING CODE. CONNECTOR PLATES ARE MADE OF 20/18/16GA (N/A/SS/K) ASTM A653 GRADE 40/760 (N/A/H-S/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF TPI-1/2002 SEC.3, OR (2) SHALL BE PER ANNEX 43 OF TPI-1/2002 SEC.3, A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSIR/TPI 1 SEC. 2.



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278



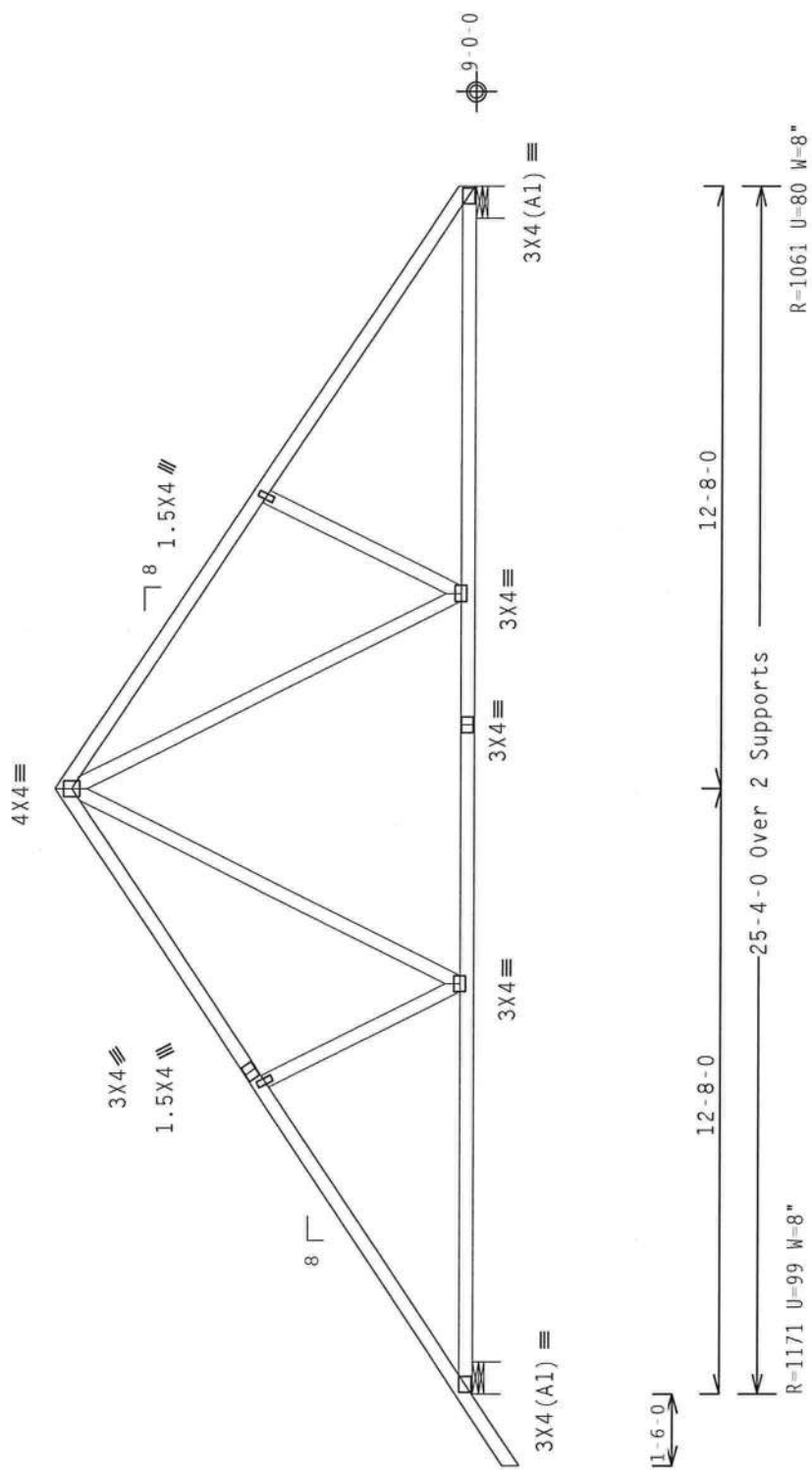
Nov 04 08

JREF- 1TMC8228Z05

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

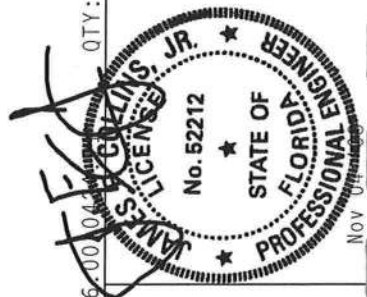
Wind reactions based on MWFRS pressures.

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

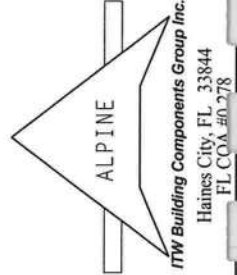
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/

Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R8228- 18205
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309013
BC LL	0.0 PSF	HC-ENG	JB/AP *
TOT.LD.	40.0 PSF	SEQN-	111552
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05



*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECI - BUILDING COMPONENT SYSTEMS INFORMATION, PUBLISHED BY IPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

[illegible]

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

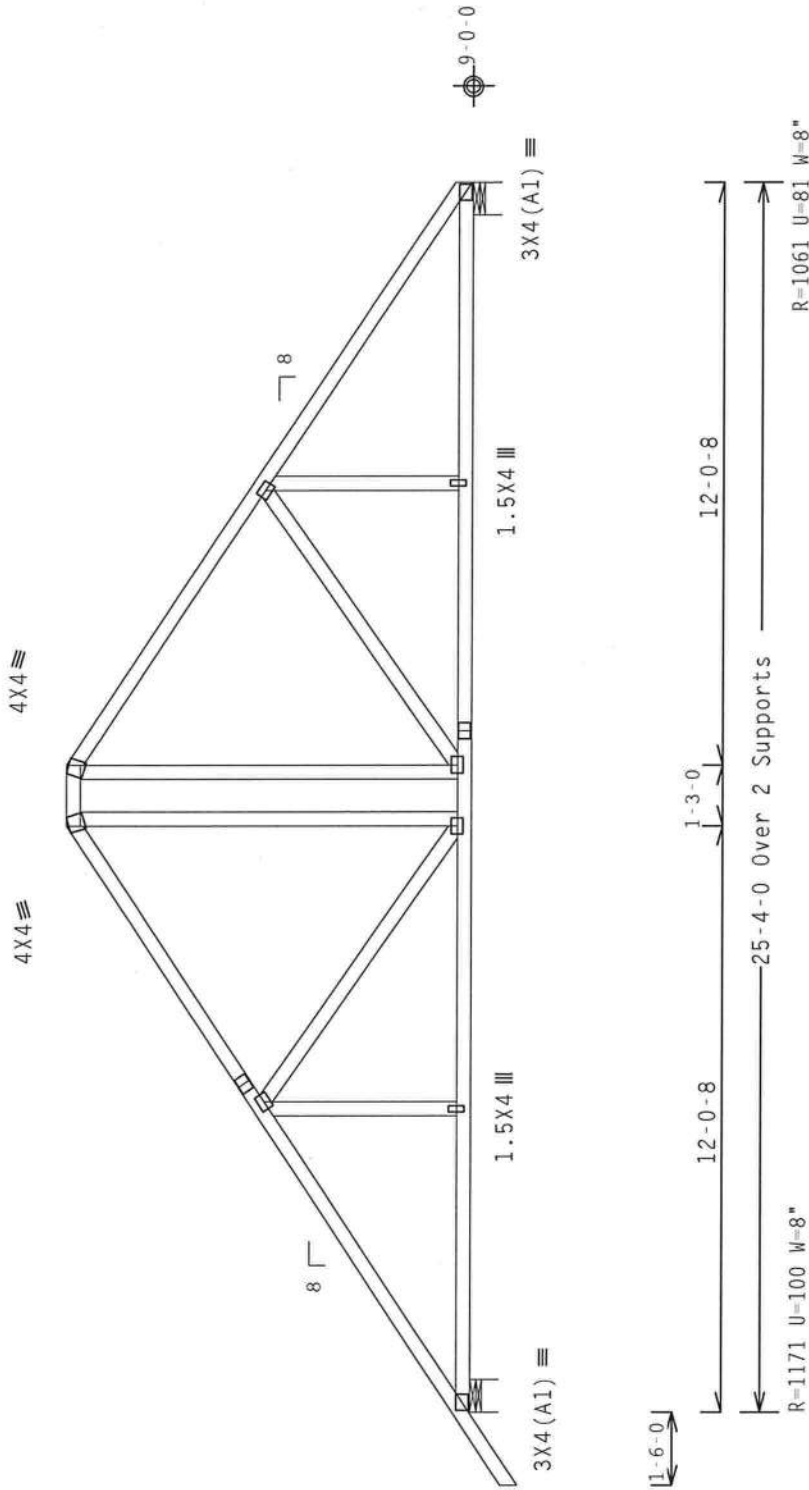
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf Iw=1.00 GCpi(+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

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.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

QTY:1 FL1-141-1-1R1-

$$\text{Scale} = 25''/\text{Ft}$$

***WARNING:** THUSSES PROVIDE EXTREME GORE IN FABRICATION, HANDLING AND SHIPPING. INSTALLING AND BRACING REFER TO BEST BUILDING COMPONENTS COMPANY'S WEBSITE FOR MORE INFORMATION. ADDRESS PLATE INSTITUTE, 200 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND VICA GROUP, TRUSS, CORP., 600 WILSON ROAD, SUITE 100, WORTHEN LAKE, MISSOURI, MI 48279.

OTHERS RECOMMENDED TO PERFORM THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELL.

TC LL	20.0	PSF	REF R8228- 18206
TC DL	10.0	PSF	DATE 11/04/08
BC DL	10.0	PSF	DRW HCURSR8228 08309014
BC LL	0.0	PSF	HC-ENG JB/AP *
TOT.LD.	40.0	PSF	SEQN- 111558
DUR.FAC.	1.25		FROM AH
SPACING	24.0"		JREF- 1TWC8228Z05

****WARNING**** TRUSSES HAVING EXTREME CORE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND DRACHING, REFER TO BESI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, 10000 PLAINFIELD AVENUE, #300, 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. TPI BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NATIONAL DESIGN SPEC. BY AIA/PDA AND TPI. TPI BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA/PDA, WITH A663 GRADE 40/60 (44, 8/1/55) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND BOTTOM CHORD. THE MINIMUM THICKNESS FOR DESIGN SHALL BE 1/4". IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIA/PDA 3.3 OF TPI-2002 SEC. 1.1.1 FOR TOP CHORD. THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. 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 COA #0278

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

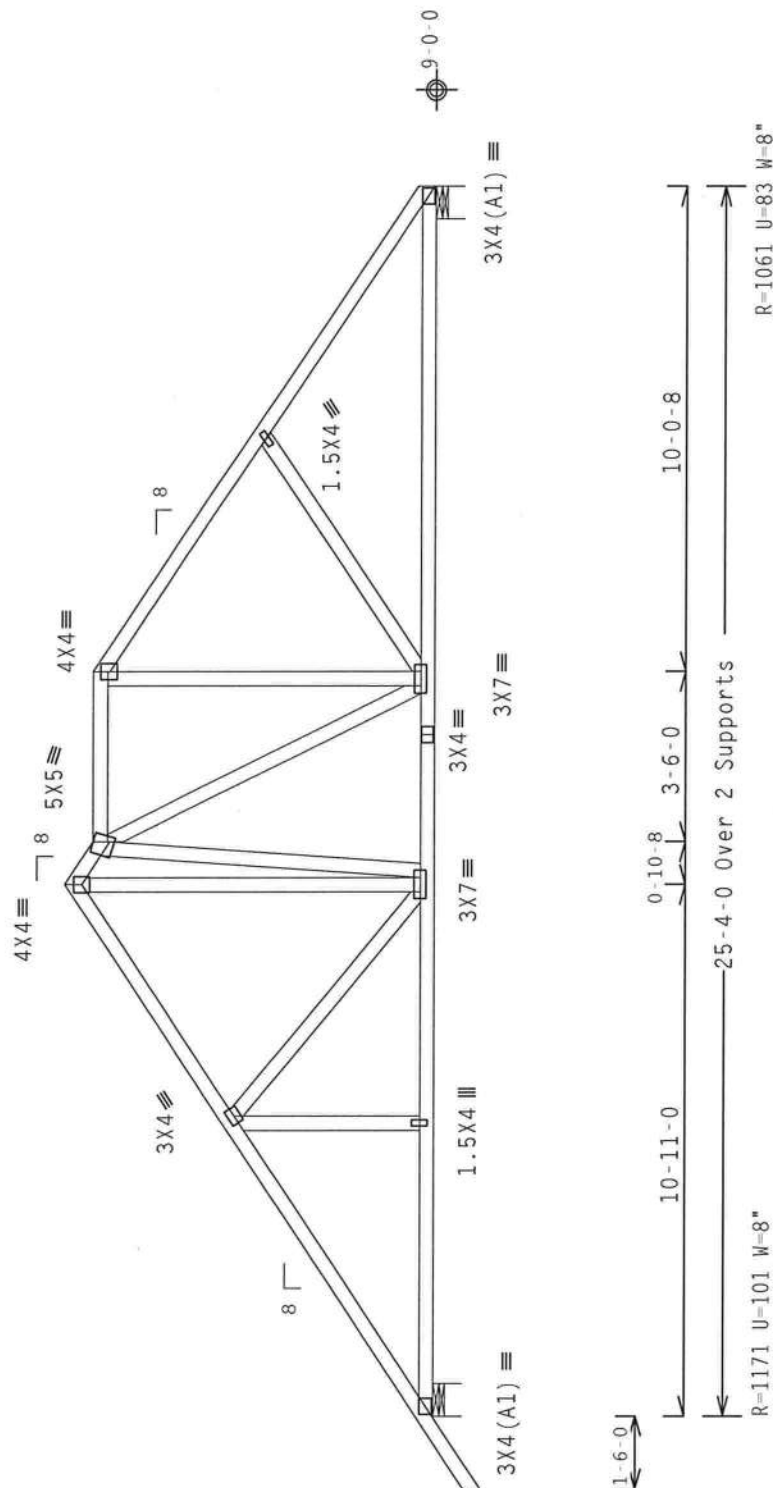
1110 mph wind, 15.00 ft mean ht, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 Gcpi(+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

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

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

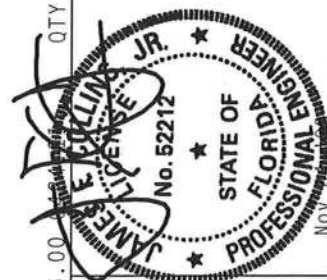
Scale = .25"/Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST SUITING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 278 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MAQUISON, MI 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. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1 OR TABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THIS (NATIONAL DESIGN SPEC., BY AISC) AND TPI. CONNECTION PLATES ARE MADE OF 2018/1866 (WY/SS) ASTM A653 GRADE 40/60 (K, J/H-SS) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND (WY/SS) LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMX AS OF TPI-2002 SEC. 2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228- 18207
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309015
BC LL	0.0 PSF	HC-ENG	JB/AP *
TOT.LD.	40.0 PSF	SEQN-	111566
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228705

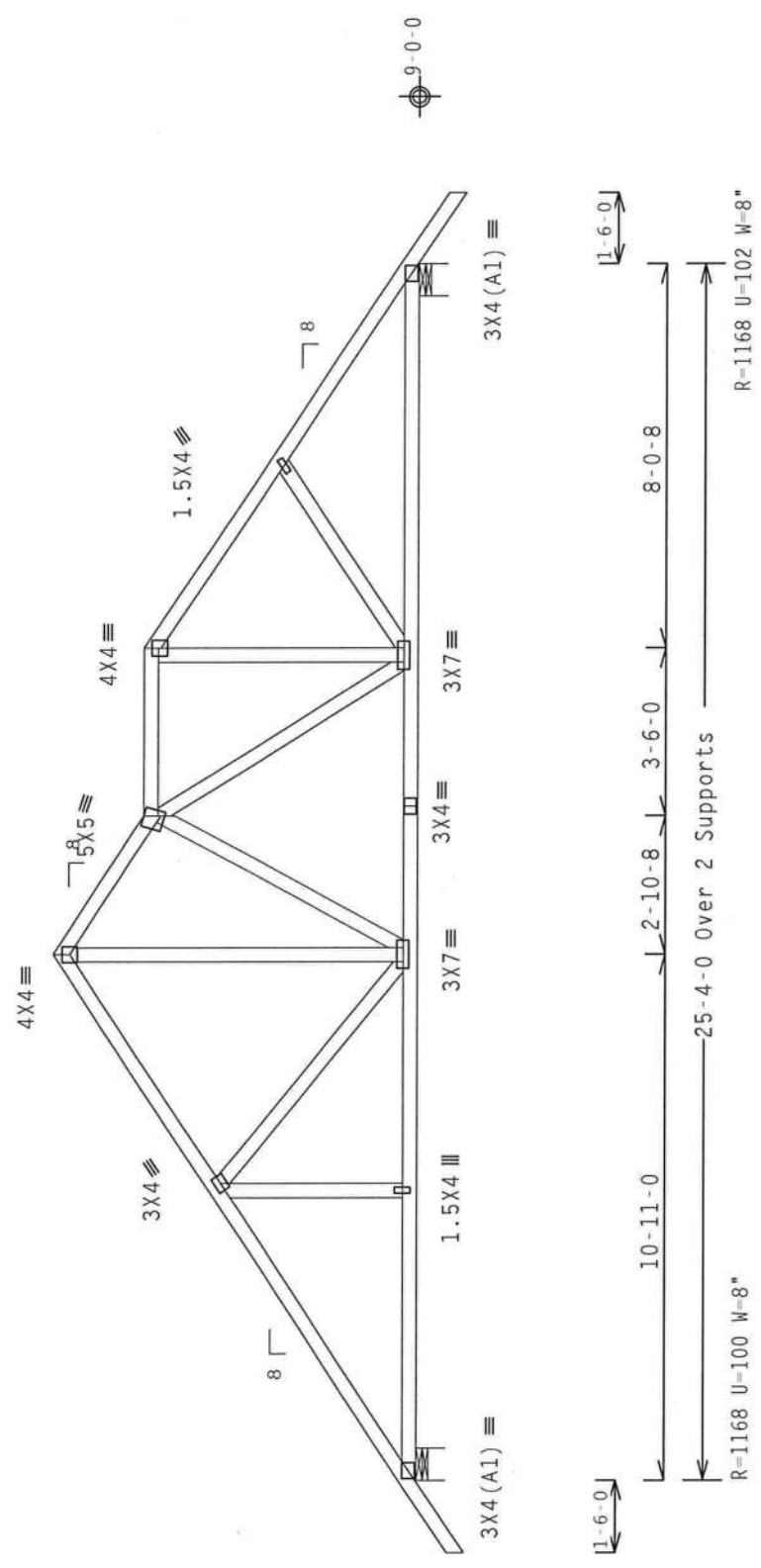
Top chord 2x4	SP #2	Dense
Bot chord 2x4	SP #2	Dense
Webbs 2x4	SP #3	

Roof overhang supports 2.00 psf soffit load.

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.

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.



PLT TYP. Wave

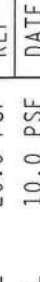
Design Crit: TPI-2002(STD)/FBC

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

7.36.00 ~~0042000000000000~~ QTY: 1

FL/-4/-/-R/-

Scale =.25"/Ft.



ITW Building Components Group Inc.
Haines City, FL 33844
FL CQA #0 278

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC61 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, WAUWATON, WI 53119) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TP1. ITW BCG CONNECTION PLATES ARE MADE OF 2018/10GA (N/A57S2K) ASTM A653 GRADE 40/60 (N/A K/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-72. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ABX6 AS OF TP1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE 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.



TC LL	20.0 PSF	REF R8228- 18208
TC DL	10.0 PSF	DATE 11/04/08
BC DL	10.0 PSF	DRW HCUR8228 08309016
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN- 111573
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TMC8228Z05

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

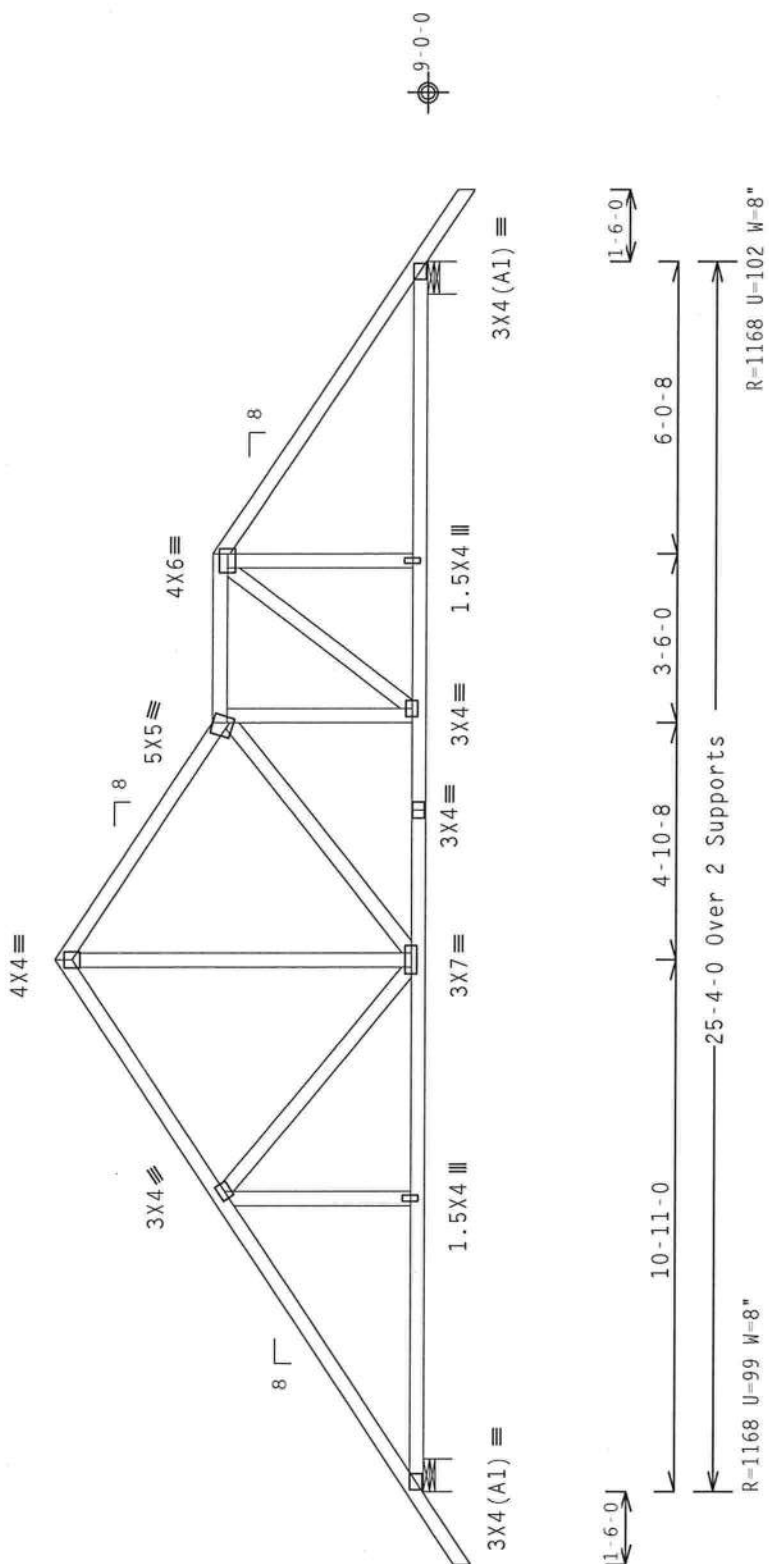
Roof overhang supports 2.00 psf soffit load.

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

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

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)/0(0)

7.36.00

Scale = .25" / Ft.

QTY: 1

FL / - / 4 / - / R / -

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

REF R8228- 18209

DATE 11/04/08

DRW HCUSR8228 08309017

HC-ENG JB/AP

SEQN- 111580

FROM AH

JREF- 1TMC8228Z05

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 BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION) HANDBOOK, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND VICS (WOOD TRUSS COUNCIL OF AMERICA, ENTERPRISE LANE, MADISON, MI 48071) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P&S) AND TPI1. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/10GA (W-1/55X7) ASTM A653 GRADE 40/60 (4. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DESIGN SIGNATURE INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. A SEAL ON THIS BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.

JAMES E. COLLINS, JR.

No. 52212

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Nov 04 2008

(8-203--Isaac Construction Suresh Patel -- , ** - C7)

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. lw=1.00 GCpi(+/-)-0.18

Wind reactions based on MWFRS pressures.

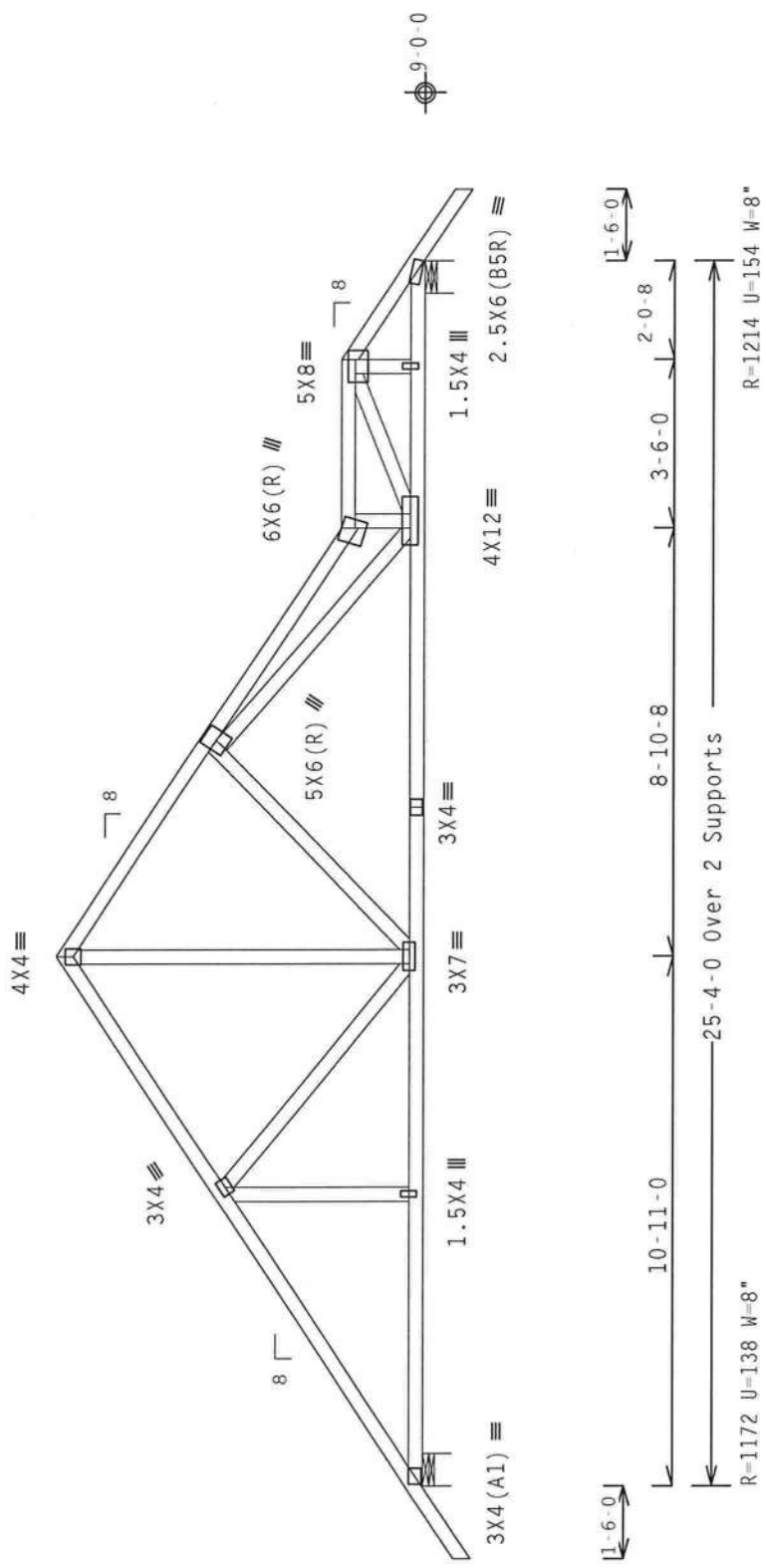
Roof overhang supports 2.00 psf soffit load.

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

SPECIAL LOADS

TC - From	DUR.FAC.=1.25 / PLATE	DUR.FAC.=1.25
64 PLF at -1.50 to	64 PLF at 10.92	
TC - From	64 PLF at 10.92 to	64 PLF at 19.79
TC - From	64 PLF at 19.79 to	64 PLF at 23.29
TC - From	64 PLF at 23.29 to	64 PLF at 26.83
BC - From	5 PLF at -1.50 to	5 PLF at -0.00
BC - From	20 PLF at -0.00 to	20 PLF at 25.33
BC - From	5 PLF at 25.33 to	5 PLF at 26.83
TC -	40 LB Conc. Load at 23.29	
BC -	10 LB Conc. Load at 23.29	

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)/0(0) 7.36.00

Scale = .25"/Ft.

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

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE NATIONAL INSTITUTE OF CONSTRUCTION EDUCATION, 6000 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND NCEA (NATIONAL CENTER OF EXCELLENCE IN CONSTRUCTION), 6000 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. 1TH BCG CONNECTION PLATES ARE MADE OF 2018/16GA (M/H/SS) ASTM A653 GRADE 40/60 (M. K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. PLATES SHALL BE FULLY WELDED TO TRUSS CHORDS. THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR 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.

TC LL	20.0 PSF	REF	R8228- 18211
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309037
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEON-	111600
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05



ITW Building Components Group Inc.
Haines City, FL 33844
FL CO# 00.078

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

Roof overhang supports 2.00 psf soffit load.

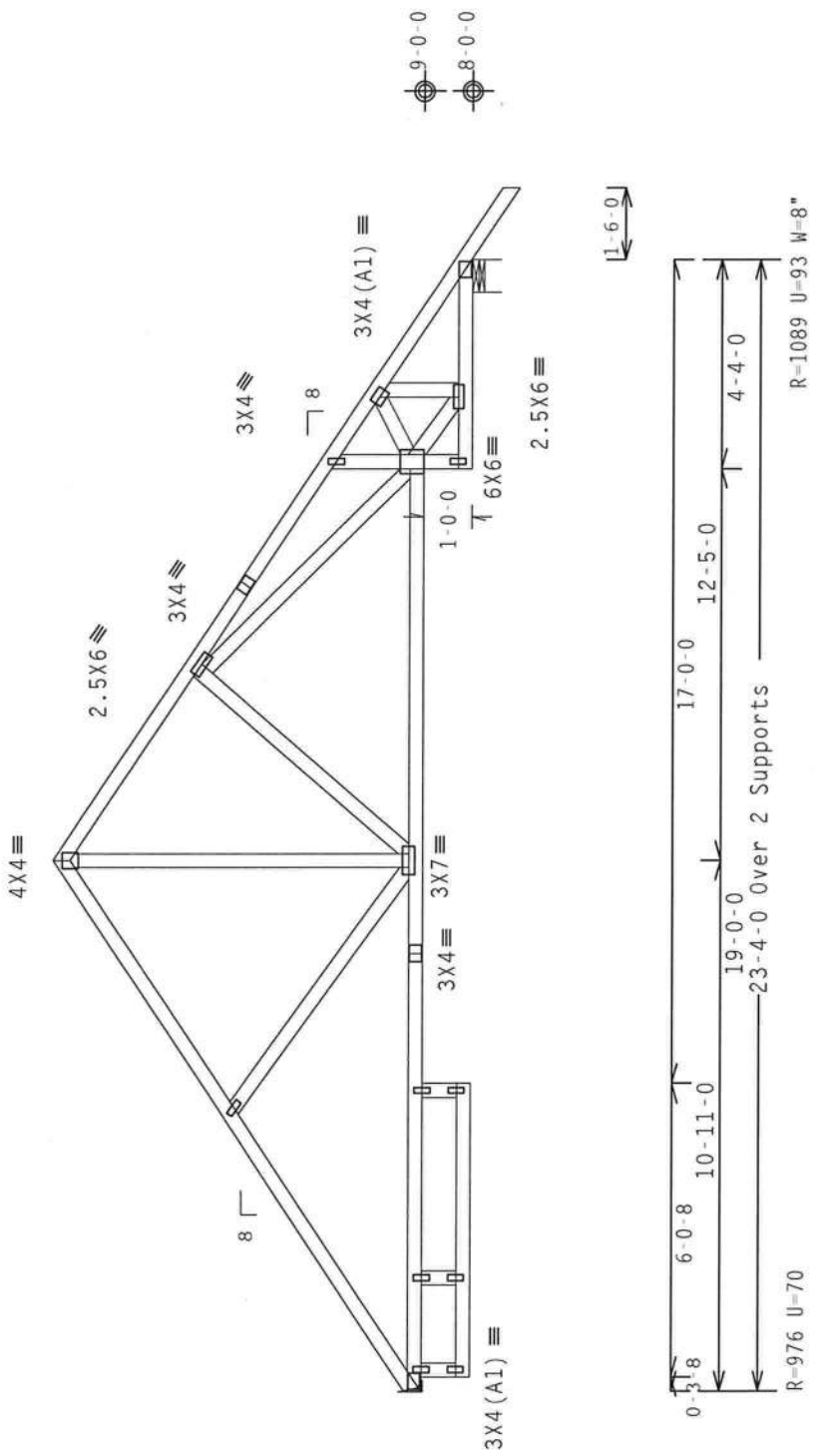
NOTE: LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 2'-0" O.C. MAX. INCLUDING A LATERAL BRACE AT CHORD ENDS.

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. $lw=1.00 GCFI(+/-)-0.18$

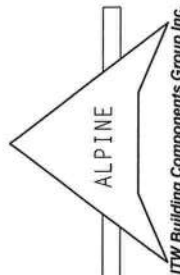
Wind reactions based on MWFRS pressures.

See DWGS TCFILLER0207 and BCFILLER0207 for filler details.

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



Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.00 QTY:1 FL/-4/-/-/R/- Scale = .25"/Ft.



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0.278

JAMBER
No. 52242
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 04 '08

TC LL	20.0 PSF	REF	R8228- 18214
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309026
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	111668
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 21 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS, COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. 11W BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W-H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SIGNATURE INDICATES PROFESSIONAL ENGINEERING RESPONSIBILITY. SUEPLY FOR THE TRUSS COMPONENT DESIGNER. THE DESIGNER'S RESPONSIBILITY FOR THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ABCS/TPI 1 SEC. 2.

(8-203--Isaac Construction Suresh Patel -- , ** - H70)

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

Roof overhang supports 2.00 psf soffit load.

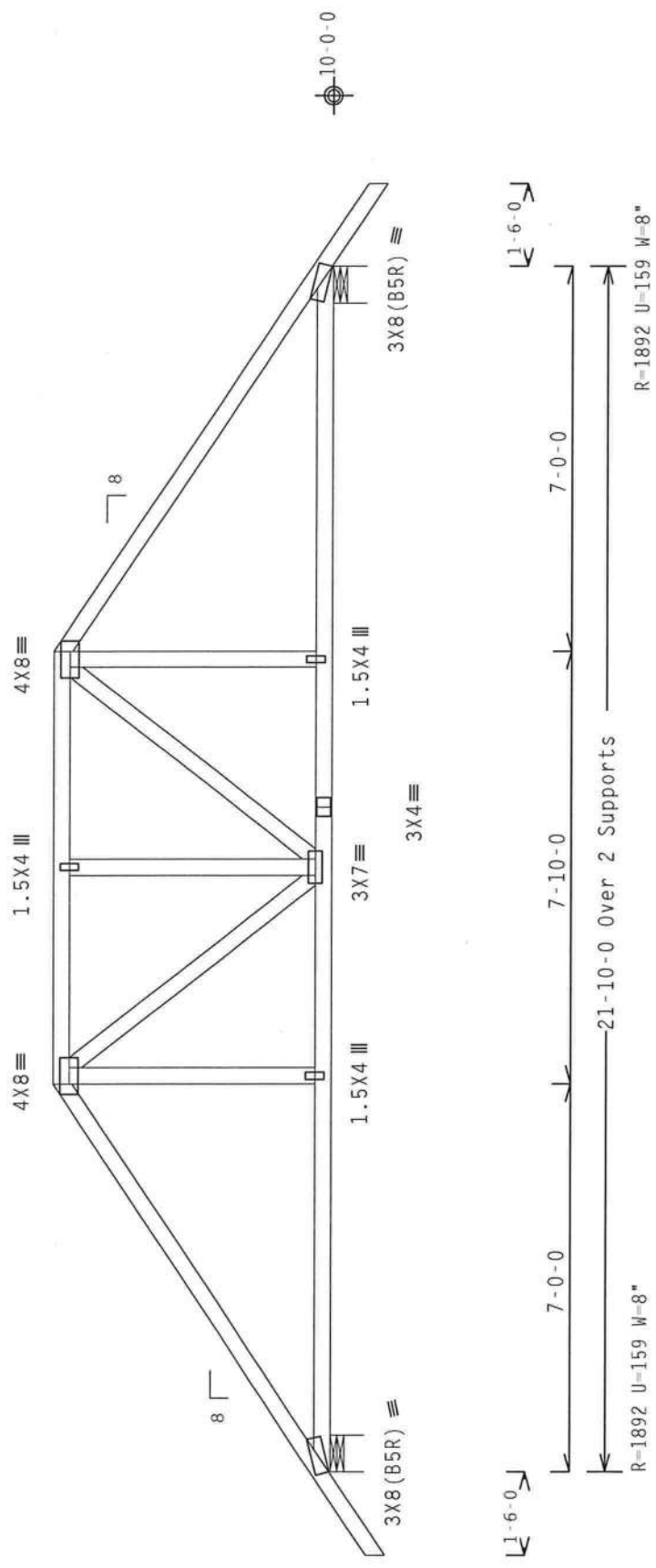
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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 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.



PLT TYP. Wave

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

7.36.00

QTY:1

FL/-4/-/-R/-

Scale = .3125"/Ft.

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

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/PA) AND TPI. 1TH BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (M-17/SS/2K) ASTM A653 GRADE 40/60 (M- K/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160A-3, 160A-4, 160A-5, 160A-6, 160A-7, 160A-8, 160A-9, 160A-10, 160A-11, 160A-12, 160A-13, 160A-14, 160A-15, 160A-16, 160A-17, 160A-18, 160A-19, 160A-20, 160A-21, 160A-22, 160A-23, 160A-24, 160A-25, 160A-26, 160A-27, 160A-28, 160A-29, 160A-30, 160A-31, 160A-32, 160A-33, 160A-34, 160A-35, 160A-36, 160A-37, 160A-38, 160A-39, 160A-40, 160A-41, 160A-42, 160A-43, 160A-44, 160A-45, 160A-46, 160A-47, 160A-48, 160A-49, 160A-50, 160A-51, 160A-52, 160A-53, 160A-54, 160A-55, 160A-56, 160A-57, 160A-58, 160A-59, 160A-60, 160A-61, 160A-62, 160A-63, 160A-64, 160A-65, 160A-66, 160A-67, 160A-68, 160A-69, 160A-70, 160A-71, 160A-72, 160A-73, 160A-74, 160A-75, 160A-76, 160A-77, 160A-78, 160A-79, 160A-80, 160A-81, 160A-82, 160A-83, 160A-84, 160A-85, 160A-86, 160A-87, 160A-88, 160A-89, 160A-90, 160A-91, 160A-92, 160A-93, 160A-94, 160A-95, 160A-96, 160A-97, 160A-98, 160A-99, 160A-100. A SEAL ON THIS DESIGN SHOWN THE SUITABILITY OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R8228- 18215
DATE	11/04/08
DRW	HCUSR8228 08309024
HC-ENG	JB/AP
SEQN	100650
FROM	AH
JREF	1TMC8228Z05

ITW Building Components Group Inc.
Haines City, FL 33844
FLC04-#0.478



(8-203--Isaac Construction Suresh Patel -- , ** - D4-GDR)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense :B1 2x6 SP #2:
Webs 2x4 SP #3 :W2 2x4 SP #2 Dense:

- SPECIAL LOADS
- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
- TC - From 60 PLF at 0.00 to 60 PLF at 15.67
 - TC - From 64 PLF at 15.67 to 64 PLF at 26.25
 - BC - From 20 PLF at 0.00 to 20 PLF at 1.94
 - BC - From 20 PLF at 1.94 to 20 PLF at 16.94
 - BC - From 20 PLF at 16.94 to 20 PLF at 26.25
 - BC - 1616 LB Conc. Load at 0.69
 - BC - 2340 LB Conc. Load at 2.63
 - BC - 2338 LB Conc. Load at 6.54
 - BC - 1700 LB Conc. Load at 8.19, 10.19

Left end vertical not exposed to wind pressure.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @5.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

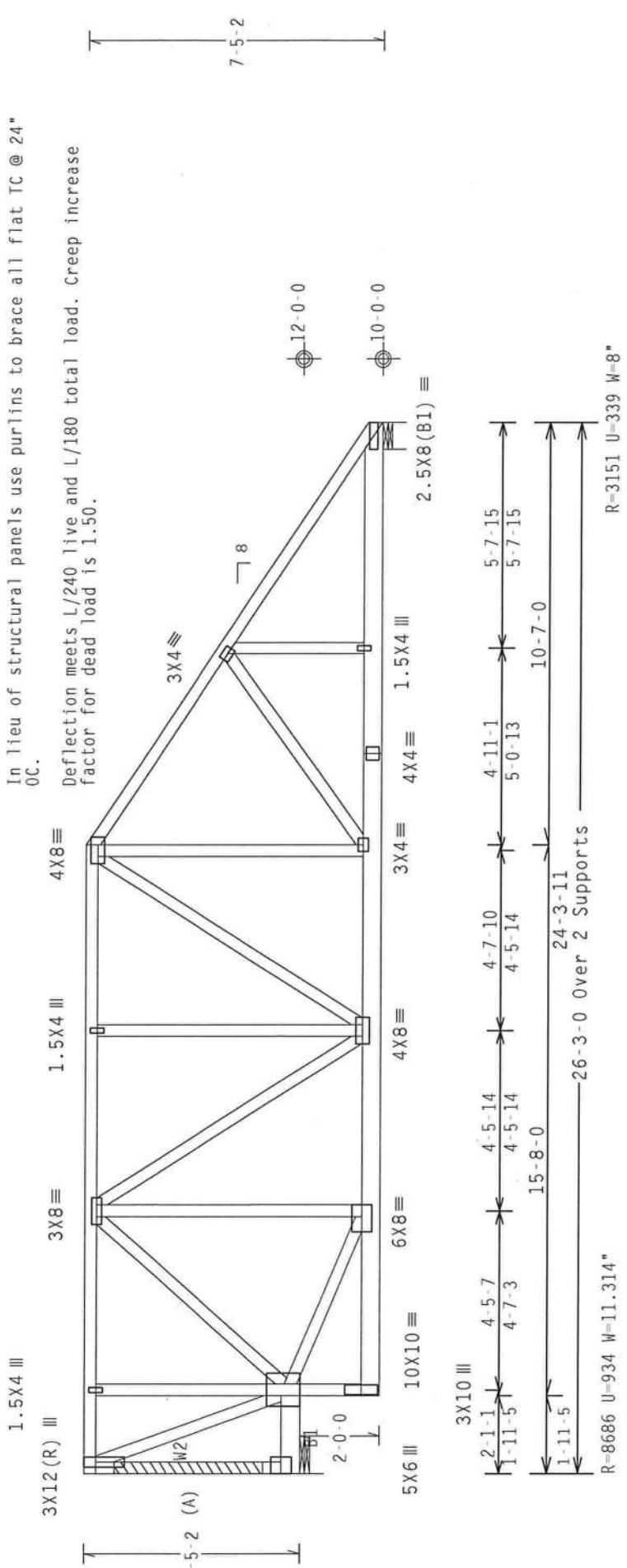
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf,
wind BC DL=5.0 psf. lw=1.00 Gcpi(+/-)=0.18

Wind reactions based on MMFRS pressures.

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

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.



PLT TYP. Wave

Design Crit: TPI-2002 (STD)/FBC

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

7.36.00

QTY:1

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

Scale = .25" / Ft.

	TC LL	20.0 PSF	REF	R8228- 18216
	TC DL	10.0 PSF	DATE	11/04/08
	BC DL	10.0 PSF	DRW	HCUSR8228 08309021
	BC LL	0.0 PSF	HC-ENG	DF/DF
	TOT.LD.	40.0 PSF	SEQN-	109325
	DUR.FAC.	1.25	FROM	AH
SPACING			SEE ABOVE	JREF- 1TMC8228Z05

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0228

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

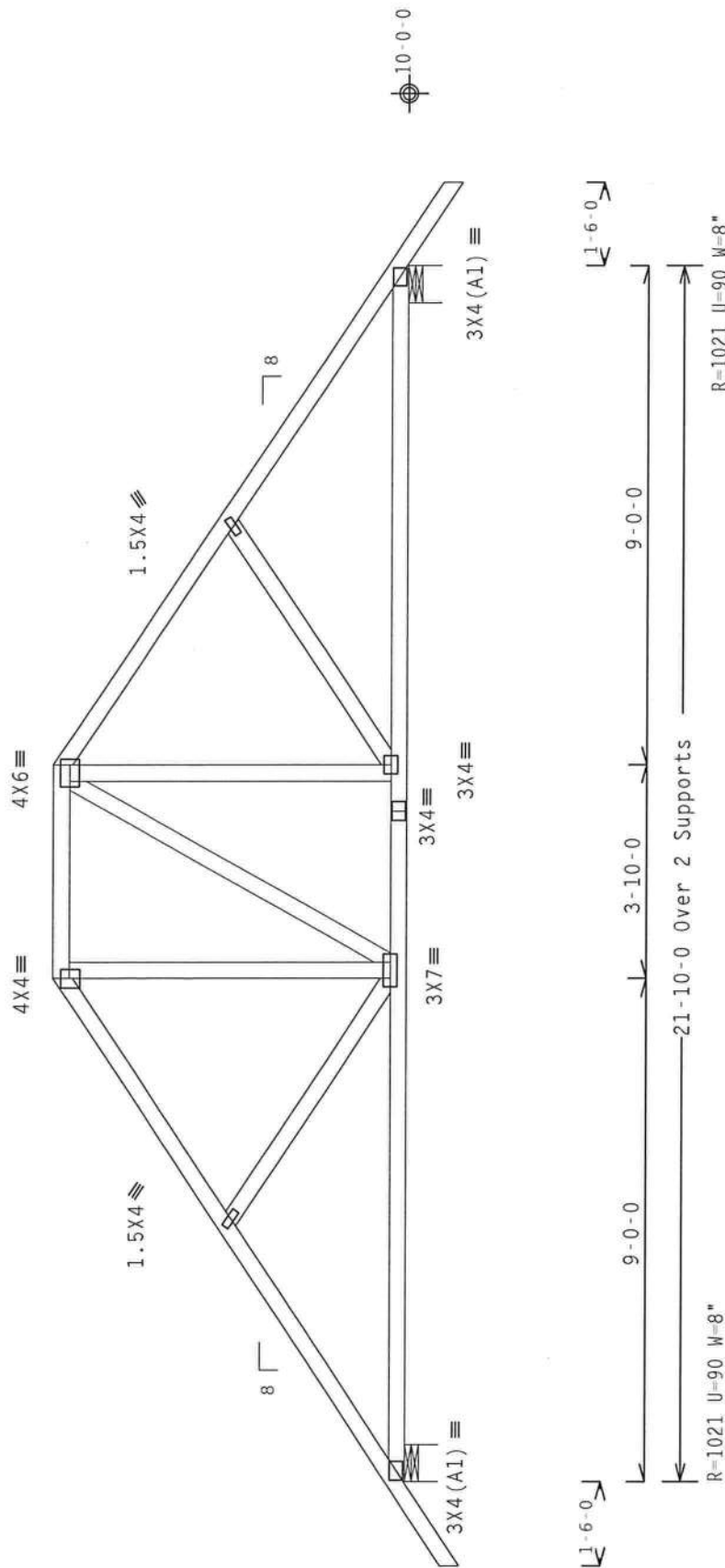
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ASEP) AND TPI. ITW BCG CORRELATOR PLATES ARE MADE OF 2010/1606 (4-N/55/5) ASTM A653 GRADE 40/60 (4, 8/24-55) GALV. STEEL. APPLY PROTECTIVE COATINGS TO ALL EXPOSED SURFACES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES SHALL BE IN ACCORDANCE WITH TPI-2002, SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

Roof overhang supports 2.00 psf soffit load.

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
C_a/RT=1.00(1.25)/

PLT TYP. Wave

Scale = .3125" / Ft.

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

QTY:1

1807

7.

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

DESIGN CLUB.

PLT TYP. Wave

1

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE CRIPPS PLATE INSTITUTE, 219 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND AISC (AISC 360) 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. ITW BCS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH SPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE REQUIREMENTS OF AISC (NATIONAL DESIGN SPEC. FOR STEEL) AND TP1. CONNECTOR PLATES ARE MADE OF 20/19/16GA (Q195/SS18) ASTM A663 GRADE 40/60 (L, K/H-55) GALV. STEEL. 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 AISC 43 OF TP1-2002 SEC.3.3. 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 AISC/TP1 1 SEC. 2.

A circular professional engineer seal for the State of Florida. The outer ring contains the text "JAMES H. WILLIAMS, P.E." at the top and "Nov 01, 2006" at the bottom. The inner circle contains the text "STATE OF FLORIDA" and "PROFESSIONAL ENGINEER" around the perimeter, with "No. 52212" in the center. There are three stars separating the top and bottom text in the inner circle.

TC LL	20.0 PSF	REF R8228- 18217
TC DL	10.0 PSF	DATE 11/04/08
BC DL	10.0 PSF	DRW HCUSR8228 08309019
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 100868
DUR.FAC.	1.25	FROM AH

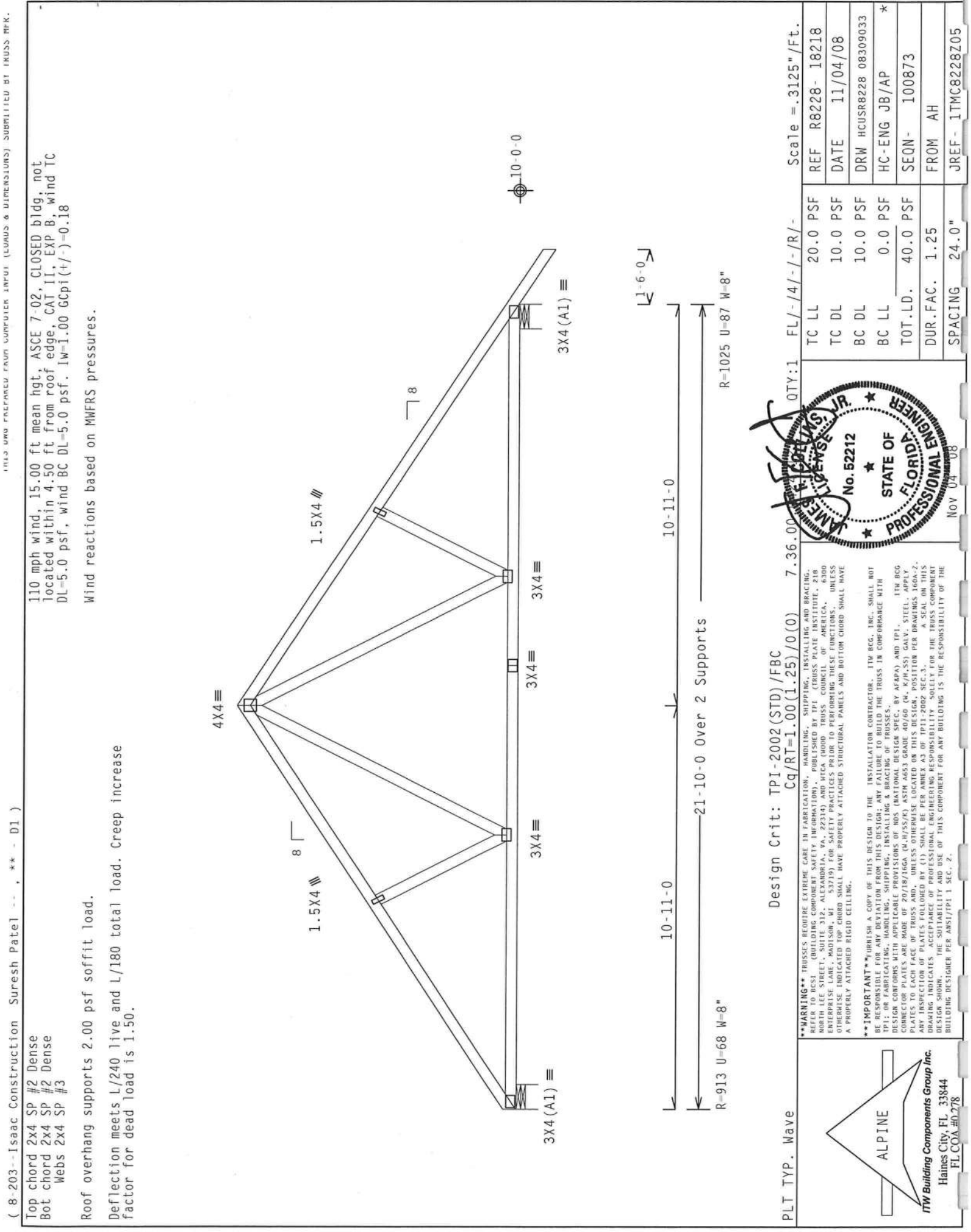
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AFCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 WILLOWHURST AVENUE, WESTMINSTER, CO, 80540). THE USER SHALL BE RESPONSIBLE FOR OBTAINING THIS INFORMATION. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CONNECTION.

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

CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI.
CONNECTION PLATES ARE MADE OF 2019/T19/GA (AL7055X3) ALUMINUM GAGE .040/.62 (4-7/16 X .55) GALV. STEEL. APPLY INSPECTION OF PLATES FOLLOWED BY VISUAL INSPECTION OF ALL OTHERS. THEREAFTER, CLIMBED ON THIS DESIGN, POSITION PER DIMENSIONS 10GA-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPANY'S DESIGN SHOWN. THE LIABILITY FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AS/PTP 1 USE - 2.



ITW Building Components Group Inc.
Haines City, FL 33844



(8-203--Isaac Construction Suresh Patel -- , ** - D1)

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

Roof overhang supports 2.00 psf soffit load.

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

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.

THIS WAS PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY INDIAN MFG.

Scale = .3125" / Ft.

TC LL	20.0	PSF
TC DL	10.0	PSF
BC DL	10.0	PSF
BC LL	0.0	PSF
TOT.LD.	40.0	PSF
DUR.FAC.	1.25	
SPACING	24.0"	

REF R8228- 18218
DATE 11/04/08
DRW HCUSR8228 08309033
HC-ENG JB/AP
SEQN- 100873
FROM AH
JREF- 1TMC8228Z05

QTY: 1

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

Scale = .3125" / Ft.

REF R8228- 18218
DATE 11/04/08
DRW HCUSR8228 08309033
HC-ENG JB/AP
SEQN- 100873
FROM AH
JREF- 1TMC8228Z05

Design Crit: TPI-2002 (STD) / FBC

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

7.36.00

Scale = .3125" / Ft.

REF R8228- 18218
DATE 11/04/08
DRW HCUSR8228 08309033
HC-ENG JB/AP
SEQN- 100873
FROM AH
JREF- 1TMC8228Z05

PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC

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

7.36.00

Scale = .3125" / Ft.

REF R8228- 18218
DATE 11/04/08
DRW HCUSR8228 08309033
HC-ENG JB/AP
SEQN- 100873
FROM AH
JREF- 1TMC8228Z05

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0.278

Nov 04 08

STATE OF FLORIDA

PROFESSIONAL ENGINEER

No. 52212

KAMESH K. JENSEN, JR.

Nov 04 08

STATE OF FLORIDA

PROFESSIONAL ENGINEER

No. 52212

KAMESH K. JENSEN, JR.

Nov 04 08

STATE OF FLORIDA

PROFESSIONAL ENGINEER

No. 52212

KAMESH K. JENSEN, JR.

Nov 04 08

STATE OF FLORIDA

PROFESSIONAL ENGINEER

No. 52212

KAMESH K. JENSEN, JR.

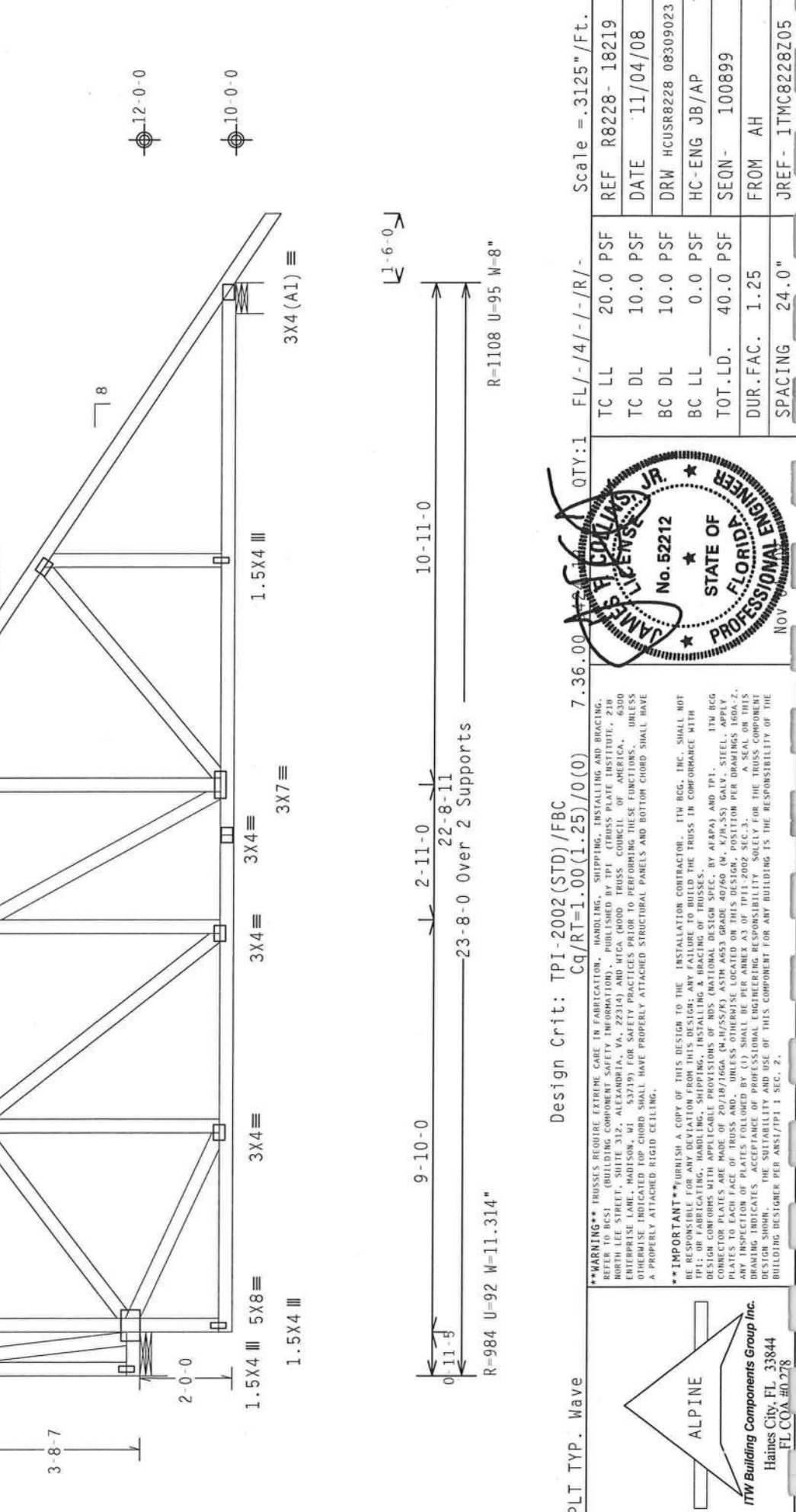
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Left end vertical not exposed to wind pressure.
Roof overhang supports 2.00 psf soffit load.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 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.

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)/0(0)

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R8228- 18219
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309023
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN	100899
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF	1TMC8228Z05

Nov

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 52212
JAMES H. COLLINS, JR.
LICENSED

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0.278

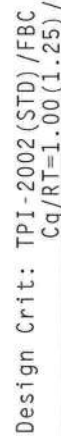
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENTS SAFETY INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND HCSA (HOOD CHORD SAFETY ASSOCIATION), 100 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PAS) AND TPI. 1TH BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (M-H/SS/K) ASTM A653 GRADE 40/60 (M. K/P-S5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHALL INDICATE THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

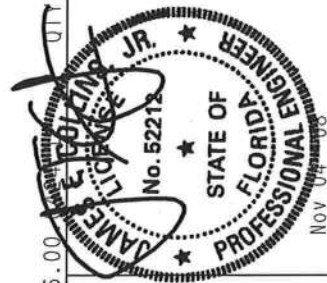
Wind reactions based on MwFRS pressures.

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

$$z_4 \cup z_5:$$


7.36.00

scale = 25"/ft



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

TC LL	20.0	PSF	REF	R8228-	18220
TC DL	10.0	PSF	DATE	11/04/08	
BC DL	10.0	PSF	DRW	HCUSR8228	08309020
BC LL	0.0	PSF	HC-ENG	JB/AP	
TOT.LD.	40.0	PSF	SEQN-	100917	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TMC8228205	

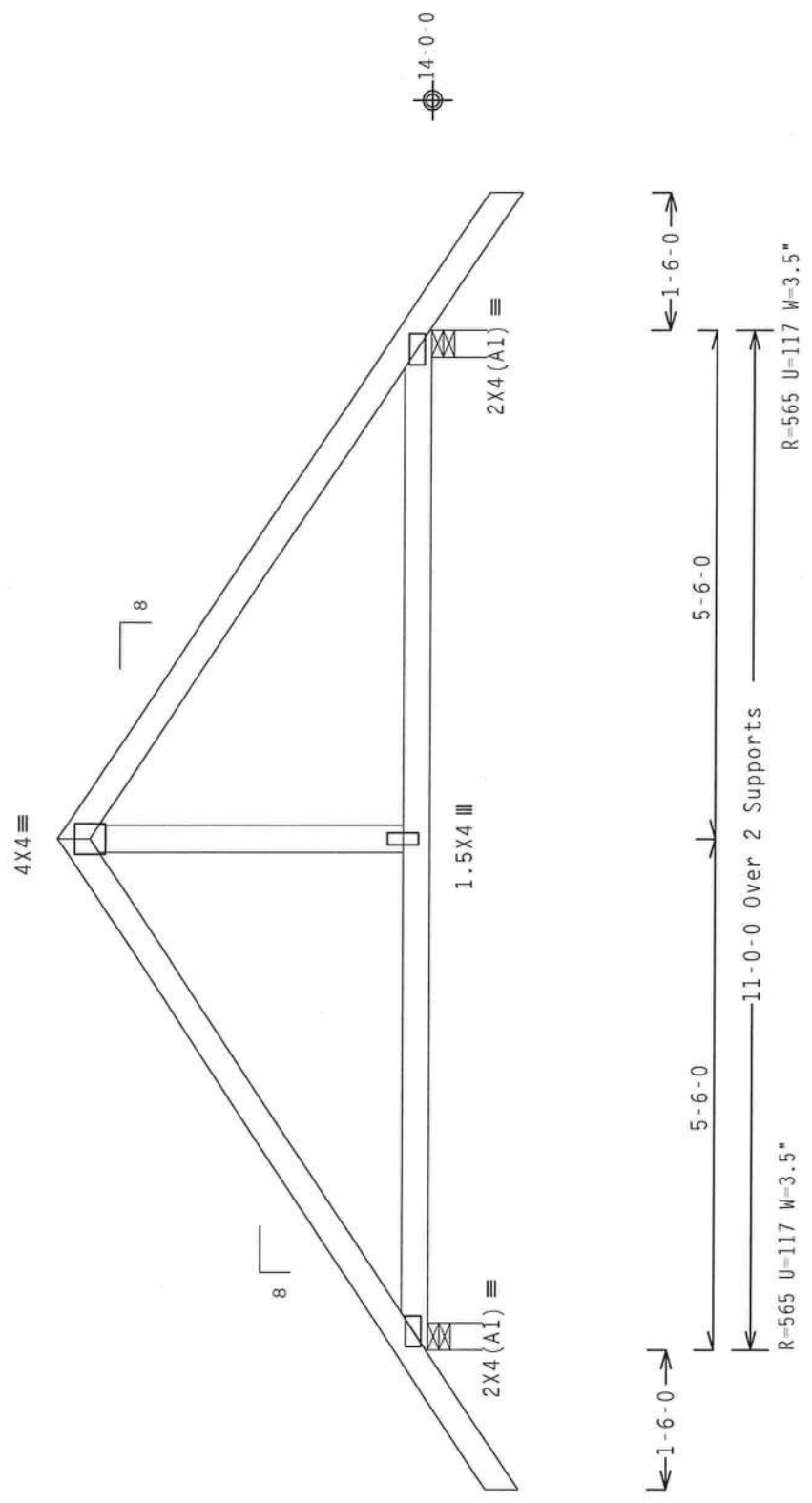
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.70 ft mean hgt, ASCE 7-02, PART-ENC. 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(+/-)=0.55

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

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



PLT TYP. Wave

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

7.36.00

QTY:1

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

Scale = .5"/Ft.

Nov 04 08

TC LL	20.0 PSF	REF R8228- 18221
TC DL	10.0 PSF	DATE 11/04/08
BC DL	10.0 PSF	DRW HCUSR8228 08309026
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN- 100737
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TMC8228Z05

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W-17/55/7K) ASTM A653 GRADE 40/60 (W, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160A-3, 160A-4, 160A-5, 160A-6, 160A-7, 160A-8, 160A-9, 160A-10, 160A-11, 160A-12, 160A-13, 160A-14, 160A-15, 160A-16, 160A-17, 160A-18, 160A-19, 160A-20, 160A-21, 160A-22, 160A-23, 160A-24, 160A-25, 160A-26, 160A-27, 160A-28, 160A-29, 160A-30, 160A-31, 160A-32, 160A-33, 160A-34, 160A-35, 160A-36, 160A-37, 160A-38, 160A-39, 160A-40, 160A-41, 160A-42, 160A-43, 160A-44, 160A-45, 160A-46, 160A-47, 160A-48, 160A-49, 160A-50, 160A-51, 160A-52, 160A-53, 160A-54, 160A-55, 160A-56, 160A-57, 160A-58, 160A-59, 160A-60, 160A-61, 160A-62, 160A-63, 160A-64, 160A-65, 160A-66, 160A-67, 160A-68, 160A-69, 160A-70, 160A-71, 160A-72, 160A-73, 160A-74, 160A-75, 160A-76, 160A-77, 160A-78, 160A-79, 160A-80, 160A-81, 160A-82, 160A-83, 160A-84, 160A-85, 160A-86, 160A-87, 160A-88, 160A-89, 160A-90, 160A-91, 160A-92, 160A-93, 160A-94, 160A-95, 160A-96, 160A-97, 160A-98, 160A-99, 160A-100. 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.

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0.278

(8-203--Isaac Construction Suresh Patel -- . ** - E-GE)

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:

110 mph wind, 15.99 ft mean hgt, ASCE 7-02, PART-ENC. bldg.
Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf. $I_w=1.00$ $G_{CPI} (+/-)=0.55$

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

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

Truss spaced at 24.0" OC designed to support 1-6-0 top chord
outlookers. Cladding load shall not exceed 10.00 PSF. Top chord
must not be cut or notched.

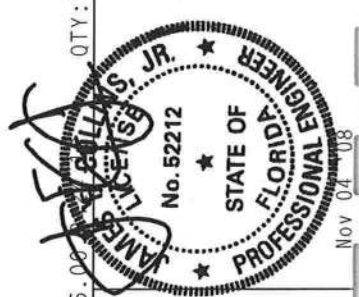
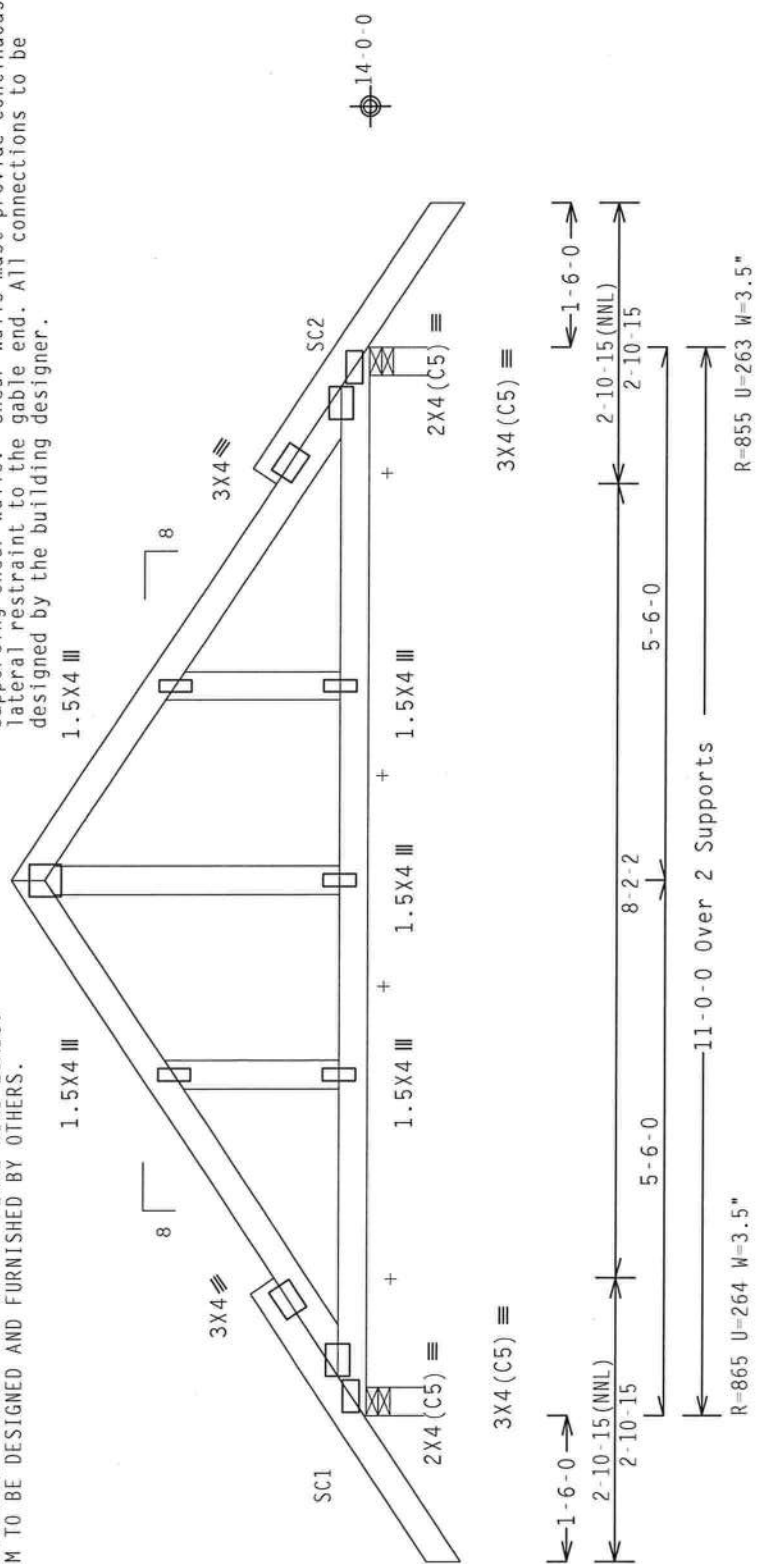
In lieu of structural panels use purlins to brace TC @ 24" OC.

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

SEE DRW HCUSR001 02086012 FOR GABLE DETAILS.

+ MEMBER TO BE LATERALLY BRACED FOR OUT OF PLANE WIND LOADS.
BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

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)/0(0)

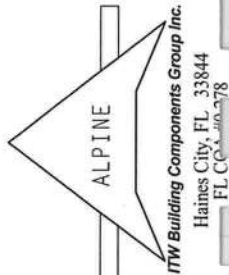
7.36.00 QTY:1

Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R8228- 18222
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309015
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	100742
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228205

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 211 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (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 TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/ASCE) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (44-H/SS/K) ASTM A653 GRADE 40/60 (4, 4/8, SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ARS/TPI 1 SEC. 2.

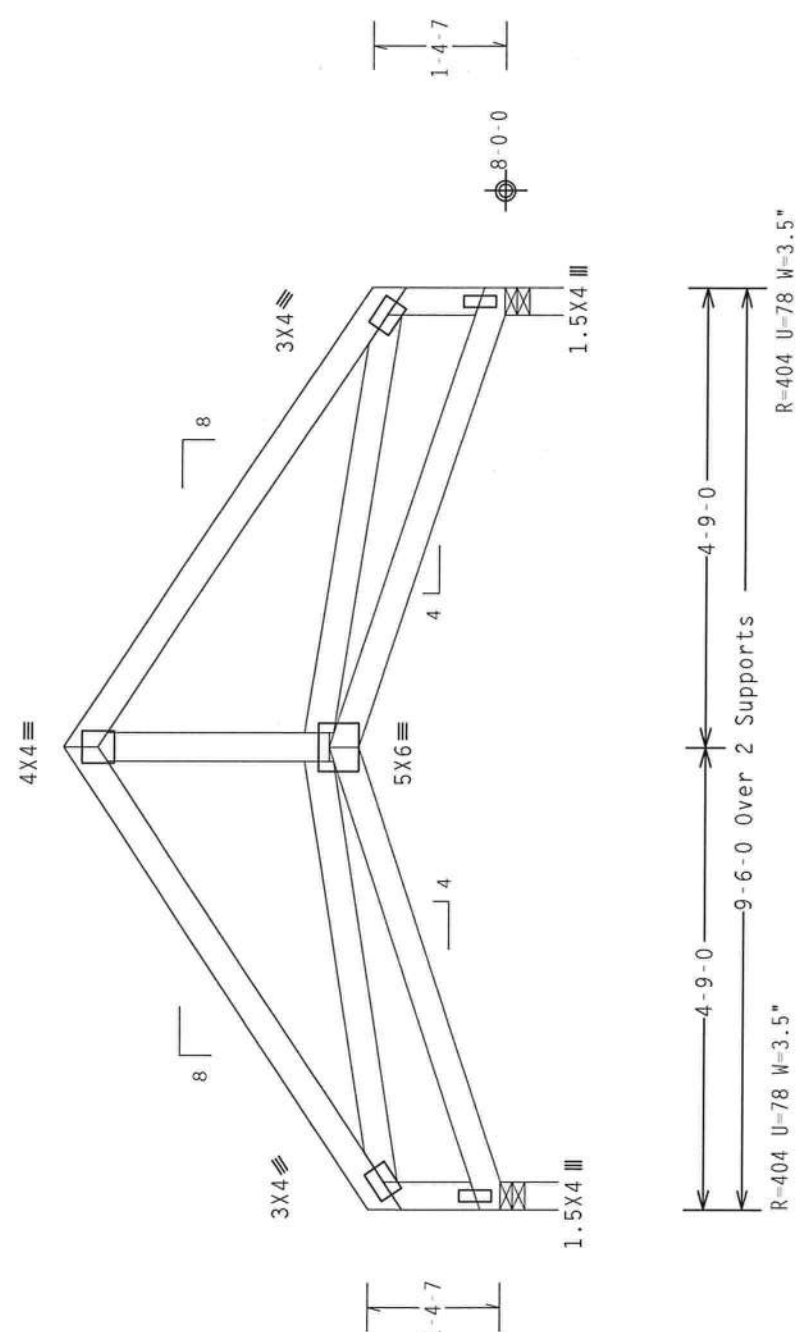


Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. 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(+/-)=0.55

Wind reactions based on MWFRS pressures.



PLT TYP. Wave

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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

7.36.00 QTY:1 FL/-/4/-/R/- Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R8228- 18223
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309019
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	111513
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	ITMC8228Z05

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 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.

****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 AF&PA) AND TPI. PLATES OR PLATES ARE MADE OF 20/107/106A (20/107/106A) ASTM A653 GRADE 40/60 (40/60) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TPI. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. ITW BCG DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS. ITW BCG BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES COLEMAN JR.
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 04 '08

(8-203--Isaac Construction Suresh Patel -- , ** - F-GE)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W2, W6 2x4 SP #2 Dense:
Roof overhang supports 2.00 psf soffit load.

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

+ MEMBER TO BE LATERALLY BRACED FOR OUT OF PLANE WIND LOADS.
BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

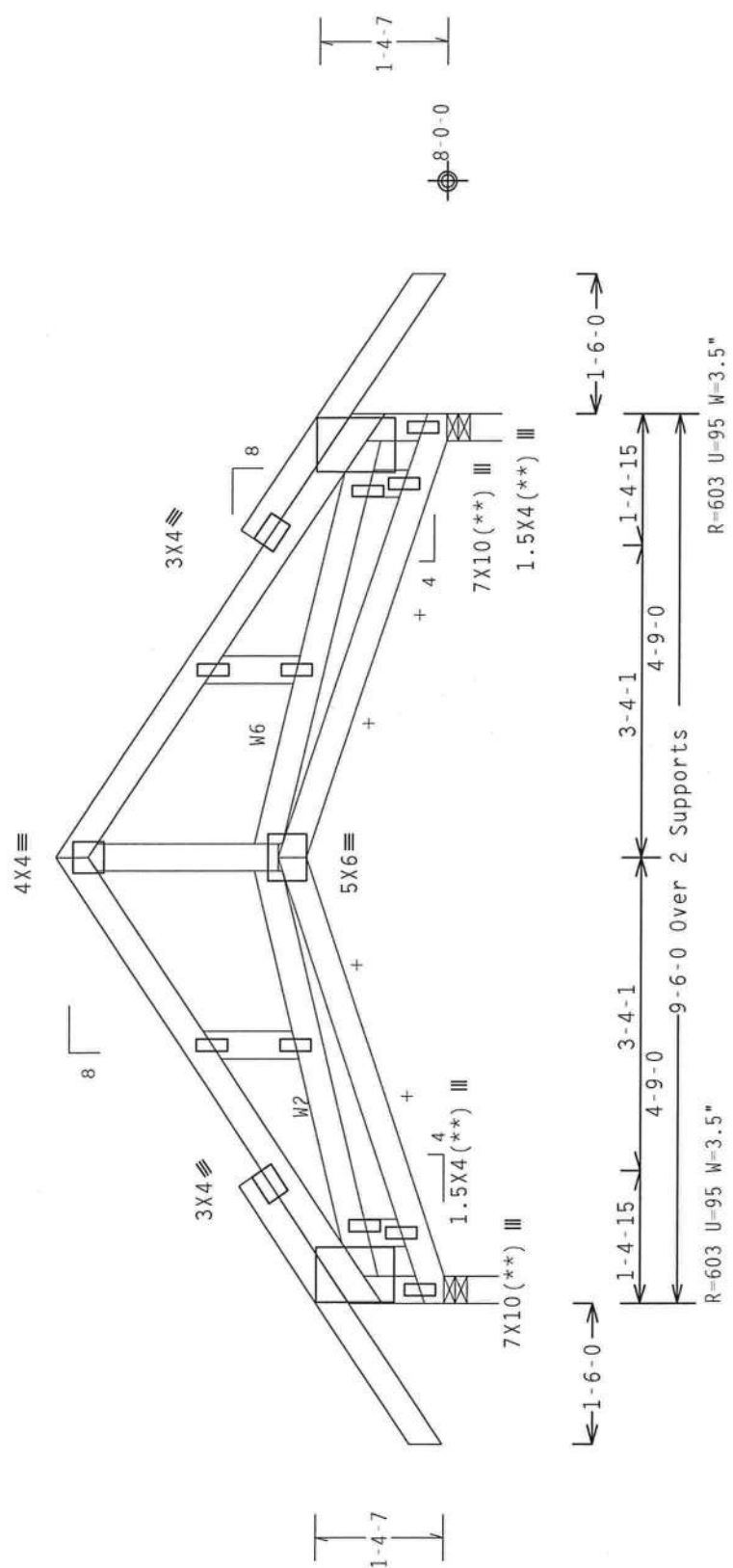
(**) 4 plate(s) require special positioning. Refer to scaled
plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. 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 (+/-)=0.55

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.

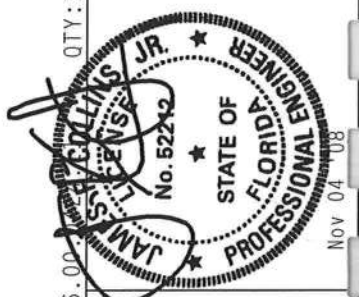
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE
ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND
SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS
LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE
DESIGNED BY THE BUILDING DESIGNER.



Note: All Plates Are 1.5X4 Except As Shown.

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

TC LL	20.0 PSF	FL / - / 4 / - / - / R / -	QTY: 1	Scale = .5" / Ft.
TC DL	10.0 PSF			REF R8228 - 18224
BC DL	10.0 PSF			DATE 11/04/08
BC LL	0.0 PSF			DRW HCUSR8228 08309027
TOT.LD.	40.0 PSF			HC-ENG JB/AP
DUR.FAC.	1.25			SEQN - 111521
SPACING	24.0"			FROM AH
				JREF - 1TMC8228Z05



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCTA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI, 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR AFAPA) AND TPI. ITW BCG COMPANY PLATES ARE MADE OF 2024-T3 ALUMINUM. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. POSITION PER DRAWING 100A-2. ANY INSPECTION OF PLATES, FOLLOWED BY ITW BCG, SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPANY. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPANY'S DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



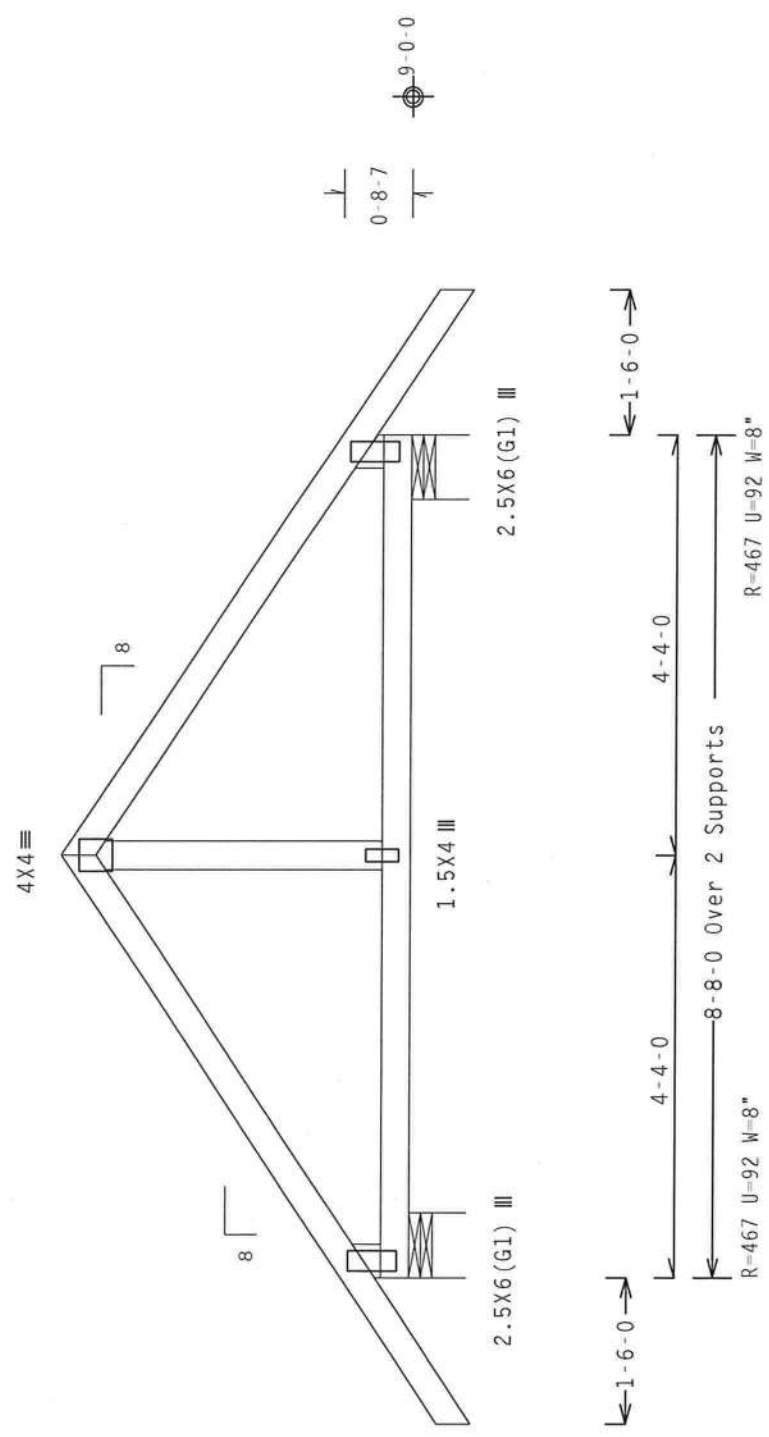
ALPINE



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3::RT Stubbed Wedge 2x4 SP #3:
Roof overhang supports 2.00 psf soffit load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. 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(+/-)-0.55
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)/0(0) 7.36.00

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R8228 - 18225
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309025
BC LL	0.0 PSF	HC-ENG	JB/AP *
TOT.LD.	40.0 PSF	SEQN -	100746
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1TMC8228Z05

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

JAMES J. DENSE JR.
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 04 2008

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REF. TO RCSI (BUILDING COMPONENT SAFETY INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.), 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. 1TH BCG CONNECTOR PLATES ARE MADE OF 2018/1666 (W.W/SS/K) ASTM A653 GRADE 40/60 (M. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AISC A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNING THE TRUSS. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.

(8-203--Isaac Construction Suresh Patel -- , ** - G-GE)

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

Roof overhang supports 2.00 psf soffit load.

Truss spaced at 24.0" OC designed to support 1-6-0 top chord
outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must
not be cut or notched.

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

See DWGS A13015EE0405 & GBLLETIN0405 for more requirements.

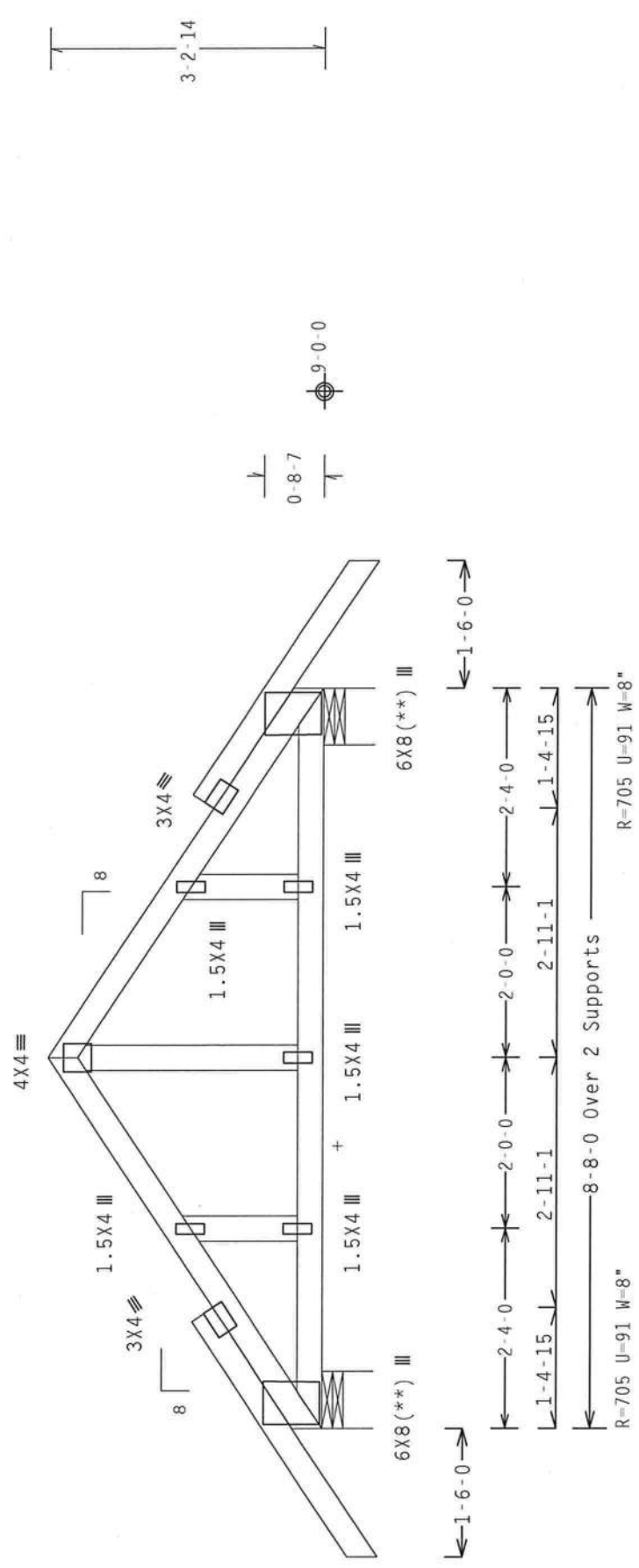
(**) 2 plate(s) require special positioning. Refer to scaled plate
plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0
psf. $I_w=1.00$ $G_{Cp}(+/-)=0.55$

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.

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



Design Crit: TPI-2002(STD)/FBC

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

7.36.00

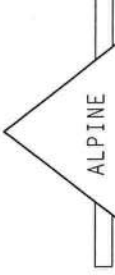
QTY:1

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

Scale = 5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE MANUFACTURER, FOR THE TRUSS. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48719) 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. ITM BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI1. CONNECTOR PLATES ARE MADE OF 70/18/16GA (W/H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS ANNEX SHALL BE REQUIRED TO VALIDATE THE MANUFACTURING 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.



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

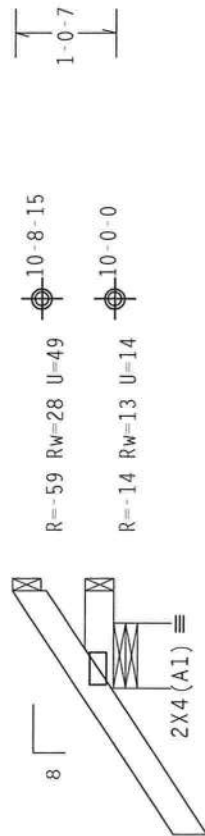


JAMES H. YOUNG, JR.
LICENSE No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 04 '08

TC LL	20.0 PSF	REF	R8228- 18226
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309022
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	52110
DUR.FAC.	1.25	FROM	AH
SPACING	SEE ABOVE	JREF-	ITMC8228Z05

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Roof overhang supports 2.00 psf soffit load.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP 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.



1-6-0-0
1-0-0 Over 3 Supports
R=261 U=44 W=8"

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

PLT TYP. Wave

QTY: 1

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R8228- 18227
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309017
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN	100615
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF	1TMC8228Z05



****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 MITA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (40/60 (4. K/M-SS) GALV. STEEL. APPLY A TRANSPARENT SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER RESPONSIBILITY FOR THE DESIGN AND THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0.278

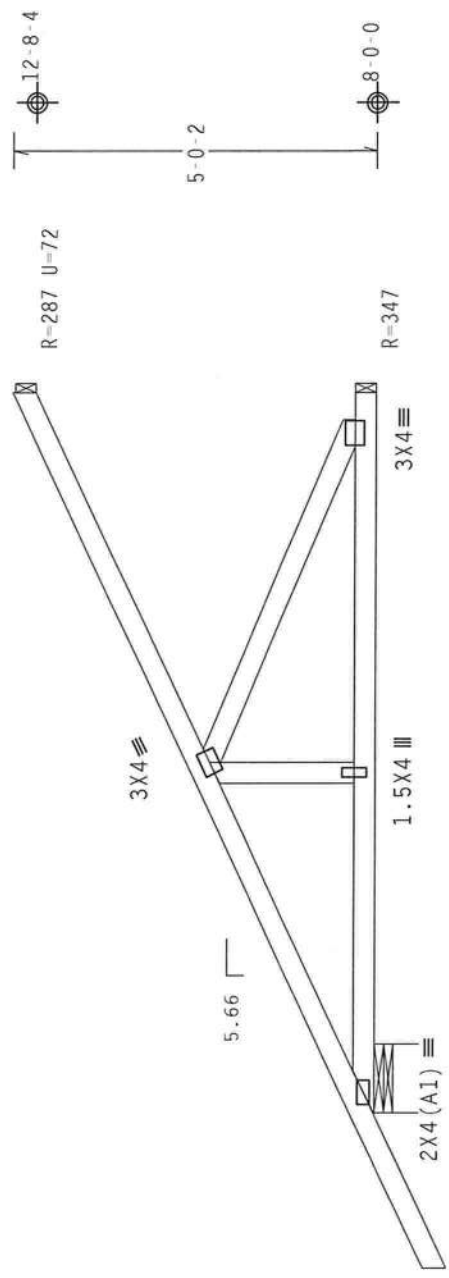
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

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. Iw=1.00 GCpi (+/-)=0.18

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

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.



↔ 2-1-7 ↔

← 9-10-13 Over 3 Supports
R=472 U=50 W=11.314"

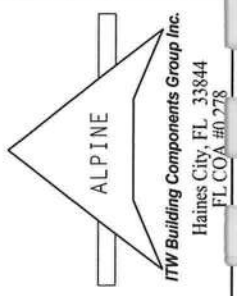
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/

QTY:1 FL/-/4/-/-/R/- - Scale =.375"/Ft.

TC LL	20.0	PSF	REF	R8228- 18228
TC DL	10.0	PSF	DATE	11/04/08
BC DL	10.0	PSF	DRW	HCUSR8228 08309073
BC LL	0.0	PSF	HC-ENG	JB/AP
TOT.LD.	40.0	PSF	SEQN -	100644
DUR.FAC.	1.25		FROM	AH
SPACING	24.0"		JREF -	1TMC8228Z05



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (SUITING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), 5300 N. MICHIGAN AVE., CHICAGO, IL 60640, 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 HANGING CEILING.

[illegible]

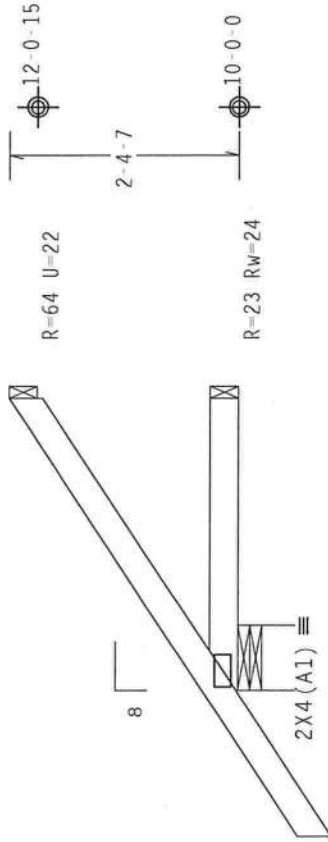
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP 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.

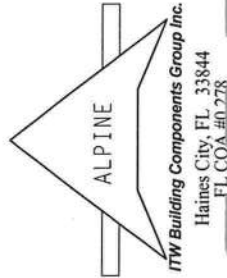


PLT TYP. Wave

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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSI (BUILDING COMPONENT SAFETY INFORMATION) FOR ADDITIONAL INFORMATION. THIS TRUSS IS DESIGNED FOR NORTH LEE STREET, SUITE 332, ALEXANDRIA, VA, 22314, AND WCA (WOOD 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 RDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (H/H/SS/S) ASTM A653 GRADE 40/60 (H, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE 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.



QTY:1

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

Scale = .5" /Ft.

TC LL	20.0 PSF	REF	R8228- 18229
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309016
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	100620
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05

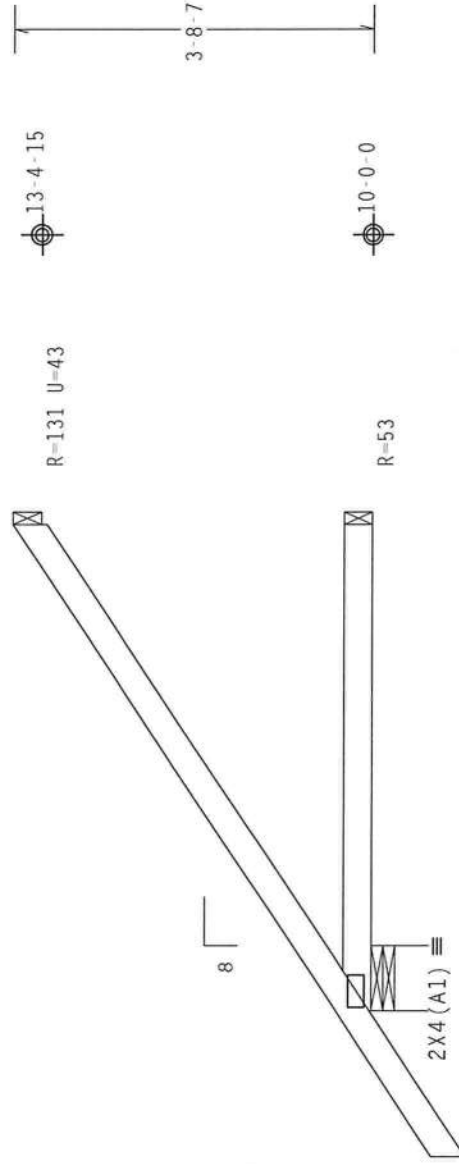
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Roof overhang supports 2.00 psf soffit load.

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

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



←-1-6-0-→

←-5-0-0 Over 3 Supports →
R-339 U=10 W=8"

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

PLT TYP. Wave

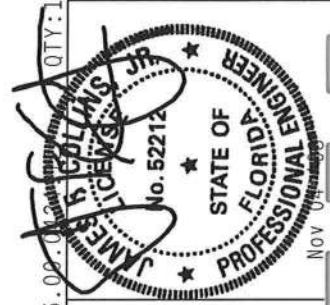
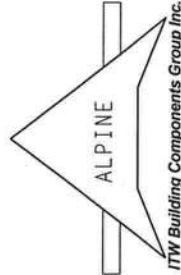
7.36.00

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 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.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (G/H/SS/TK) ASTM A653 GRADE 50/60 (H, K/H-SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TPI. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL BE IN FEET AND INCHES. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



QTY: 1

TC LL	20.0 PSF	REF	R8228- 18230
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309074
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	100624
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05

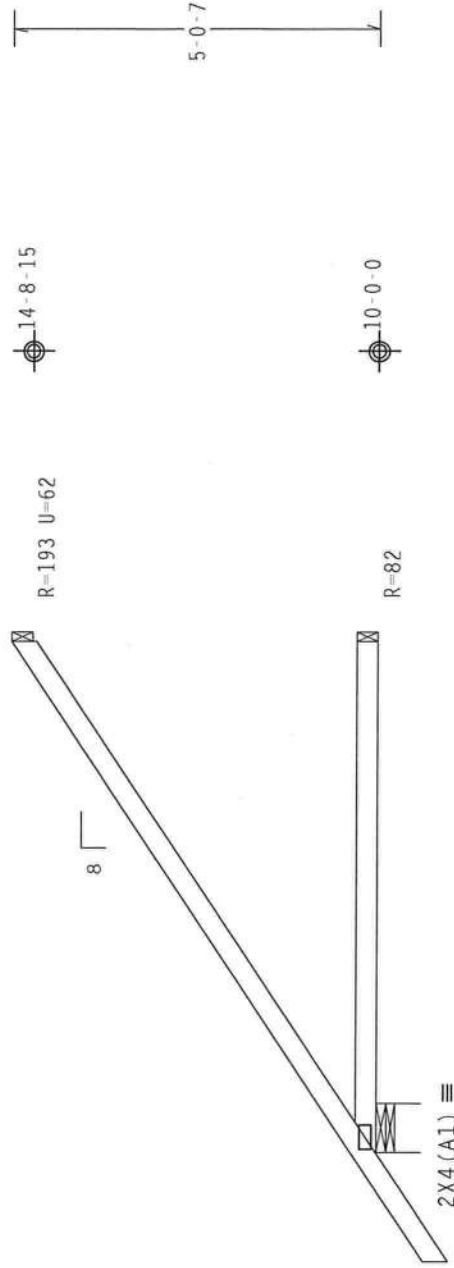
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Roof overhang supports 2.00 psf soffit load.

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

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



1-6-0

7-0-0 Over 3 Supports
R=417 U=5 W=8"

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

PLT TYP. Wave

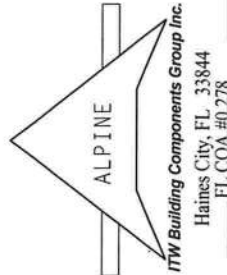
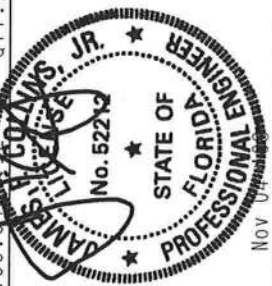
7.36.00.042 QTY:1 FL/-4/-/-R/-

Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL TRUSS COUNCIL OF AMERICA, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WEA (WOOD TRUSS 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 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, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/PSA) AND TPI. ITW BEG CONNECTOR PLATES ARE MADE OF 2010/16GA (N-H/SS/K) ASTM A653 GRADE 40/60 (4, K/M-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160A-3, 160A-4, 160A-5, 160A-6, 160A-7, 160A-8, 160A-9, 160A-10, 160A-11, 160A-12, 160A-13, 160A-14, 160A-15, 160A-16, 160A-17, 160A-18, 160A-19, 160A-20, 160A-21, 160A-22, 160A-23, 160A-24, 160A-25, 160A-26, 160A-27, 160A-28, 160A-29, 160A-30, 160A-31, 160A-32, 160A-33, 160A-34, 160A-35, 160A-36, 160A-37, 160A-38, 160A-39, 160A-40, 160A-41, 160A-42, 160A-43, 160A-44, 160A-45, 160A-46, 160A-47, 160A-48, 160A-49, 160A-50, 160A-51, 160A-52, 160A-53, 160A-54, 160A-55, 160A-56, 160A-57, 160A-58, 160A-59, 160A-60, 160A-61, 160A-62, 160A-63, 160A-64, 160A-65, 160A-66, 160A-67, 160A-68, 160A-69, 160A-70, 160A-71, 160A-72, 160A-73, 160A-74, 160A-75, 160A-76, 160A-77, 160A-78, 160A-79, 160A-80, 160A-81, 160A-82, 160A-83, 160A-84, 160A-85, 160A-86, 160A-87, 160A-88, 160A-89, 160A-90, 160A-91, 160A-92, 160A-93, 160A-94, 160A-95, 160A-96, 160A-97, 160A-98, 160A-99, 160A-100. A SEAL ON THIS DESIGN SHOWN INDICATES ACCEPTANCE OF THE DESIGN. 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- 18231
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309018
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	100628
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05



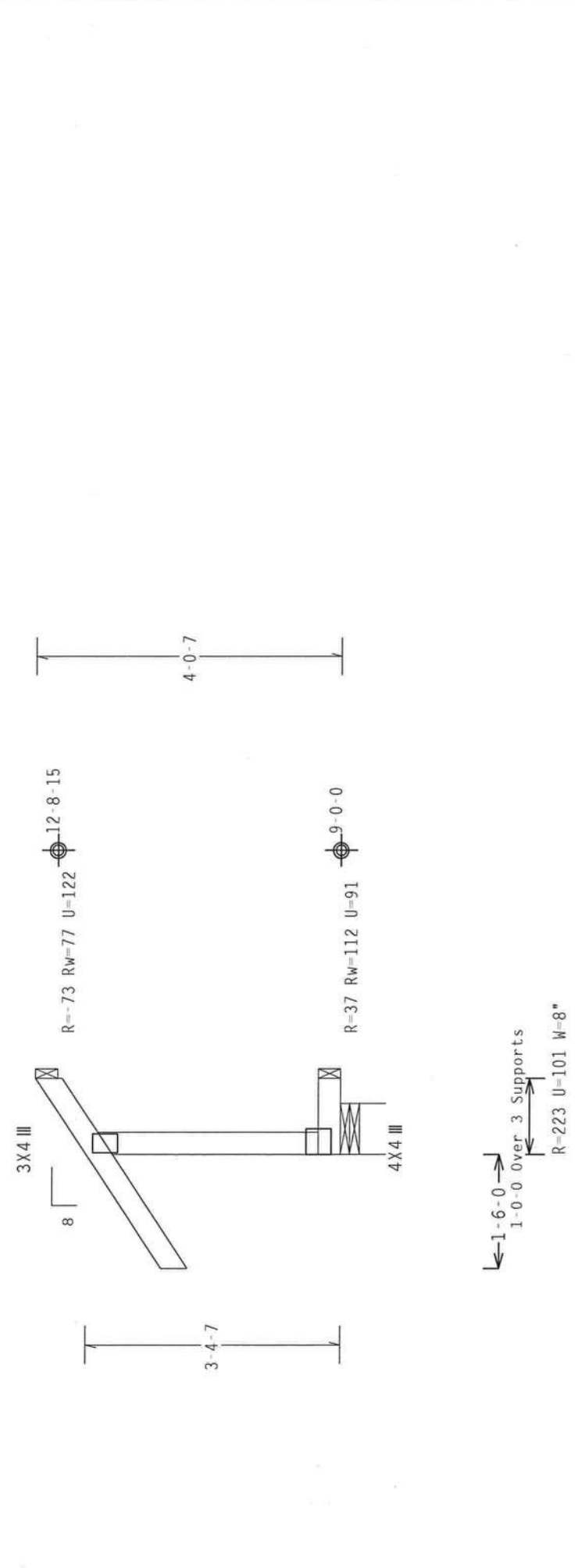
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #2 Dense

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

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Roof overhang supports 2.00 psf soffit load.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.00

QTY:1

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

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R8228- 18232
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309045
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	100658
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05

Nov 04 08

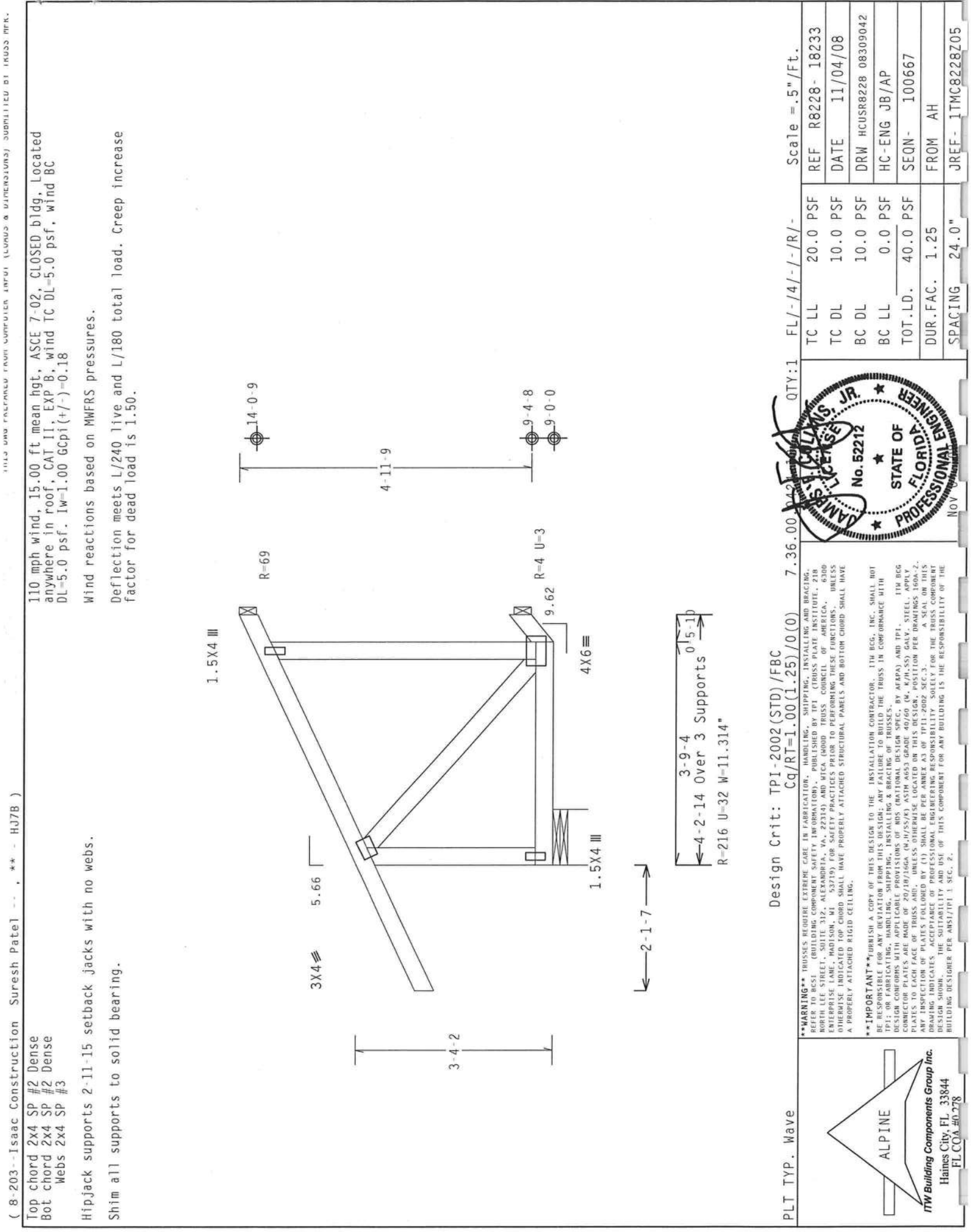
JAMES F. KATKINS JR.
LICENSED
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ALPINE

rtw Building Components Group Inc.
Haines City, FL 33844
FL CQA #0278

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (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. ITM 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/P&J AND TPI. ITM BCG CORRELATOR PLATES ARE MADE OF 70/18/16GA (N/A/SS/K) ASTM A653 GRADE 40/60 (N, K/M-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TOP CHORD 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 OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER. THE SEAL OR THIS DRAWING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



(8-203--Isaac Construction Suresh Patel -- , ** - HJ7B)

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

Hipjack supports 2-11-15 setback jacks with no webs.

Shim all supports to solid bearing.

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.

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

Scale = .5" / Ft.

PLT TYP. Wave

Design Crit: TPI-2002 (STD) /FBC

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

7.36.00

QTY:1

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

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

JREF - 1TMC8228Z05

REF R8228- 18233

DATE 11/04/08

DRW HCUSR8228 08309042

HC-ENG JB/AP

SEQN - 100667

FROM AH

JREF - 1TMC8228Z05

Nov 2008

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

1110 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.



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

PLT TYP. Wave

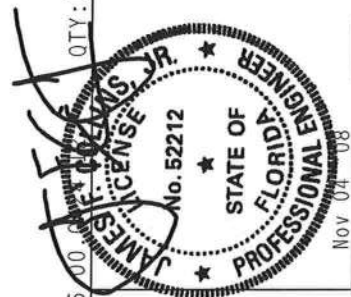
7.

QTY:1

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

Scale = .5"/Ft.

TC LL	20.0 PSF	REF R8228- 18234
TC DL	10.0 PSF	DATE 11/04/08
BC DL	10.0 PSF	DRW HCUR8228 08309046
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN- 100663
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TMC8228Z05



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0778

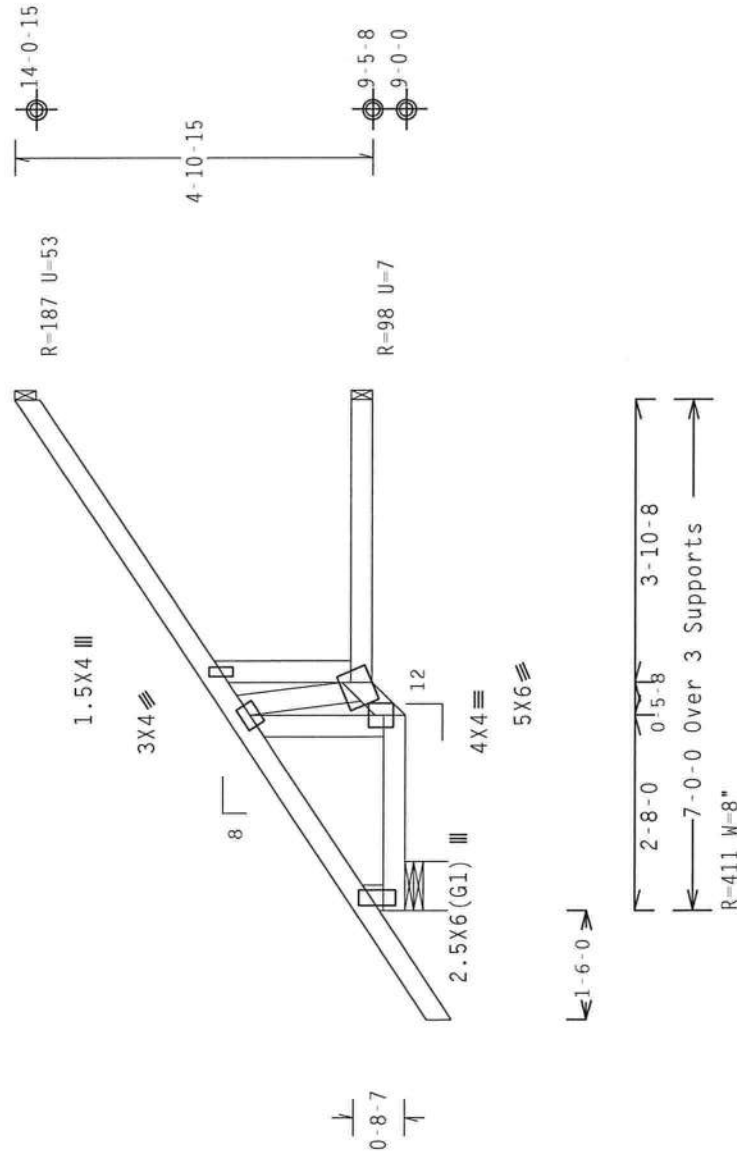
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubb'd Wedge 2x4 SP #3:

Roof overhang supports 2.00 psf soffit load.

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 MWFRS pressures.

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

Design Crit: $\text{TPI-2002(STD)}/\text{FBC}$
 $\text{Ca}/\text{RT}=1.00(1.25)/$

PLT TYP. Wave

7.36 ~~90~~

QTY:1

FL1-141-1-1R1-

Scale = 375"/Ft.

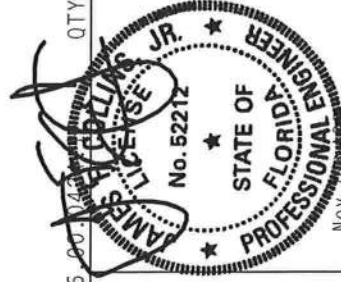
*****WARNING***** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALWAYS FOLLOW THE SAFETY INFORMATION, PUBLISHED BY THE THUSSAL PANEL INSTITUTE, 218 NORTH LEISTER, SUITE 100, CHICAGO, ILLINOIS 60610, 312/342-1600, FOR THE COMPLETE INSTRUCTIONS. THUSSAL PANEL INSTITUTE LABE, 4401 SOR, M, 52179. 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 CAPPING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16G (4/25/25) ASTM A663 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 AISC 404 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 AISC/TPI 1 SEC. 2.



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278



Nov. 1991

TC LL	20.0	PSF	REF	R8228	18235
TC DL	10.0	PSF	DATE	11/04/08	
BC DL	10.0	PSF	DRW	HCUSR8228	08309047
BC LL	0.0	PSF	HC-ENG	JB/AP	*
TOT.LD.	40.0	PSF	SEQN-	100678	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TMC8228Z05	

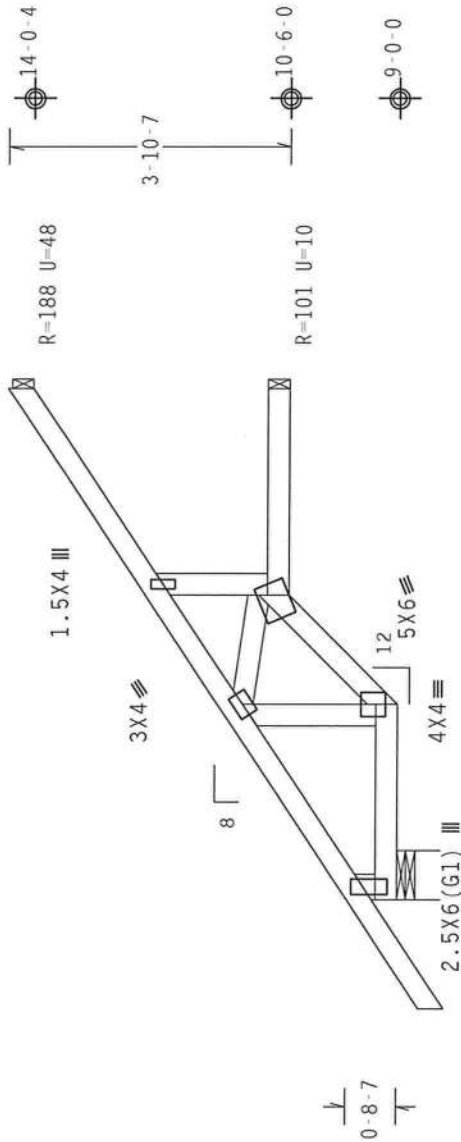
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubby Wedge 2x4 SP #3:

Roof overhang supports 2.00 psf soffit load.

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

Wind reactions based on MWFRS pressures.

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



1'-6-0

2'-8-0 1'-6-0 2'-10-0
7'-0-0 Over 3 Supports
R=415 W=8"

Design Crit: TPI-2002(STD)/FBC

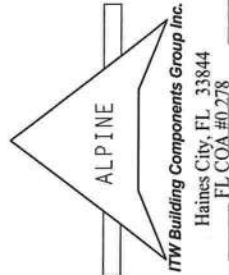
Cq/RT=1.00(1.25)/0(0)

7.36.00 QTY:1

Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 238 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (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.

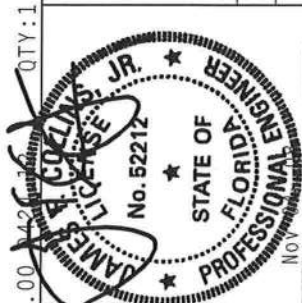
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE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



PLT TYP. Wave

FL/- /4/- /R/-

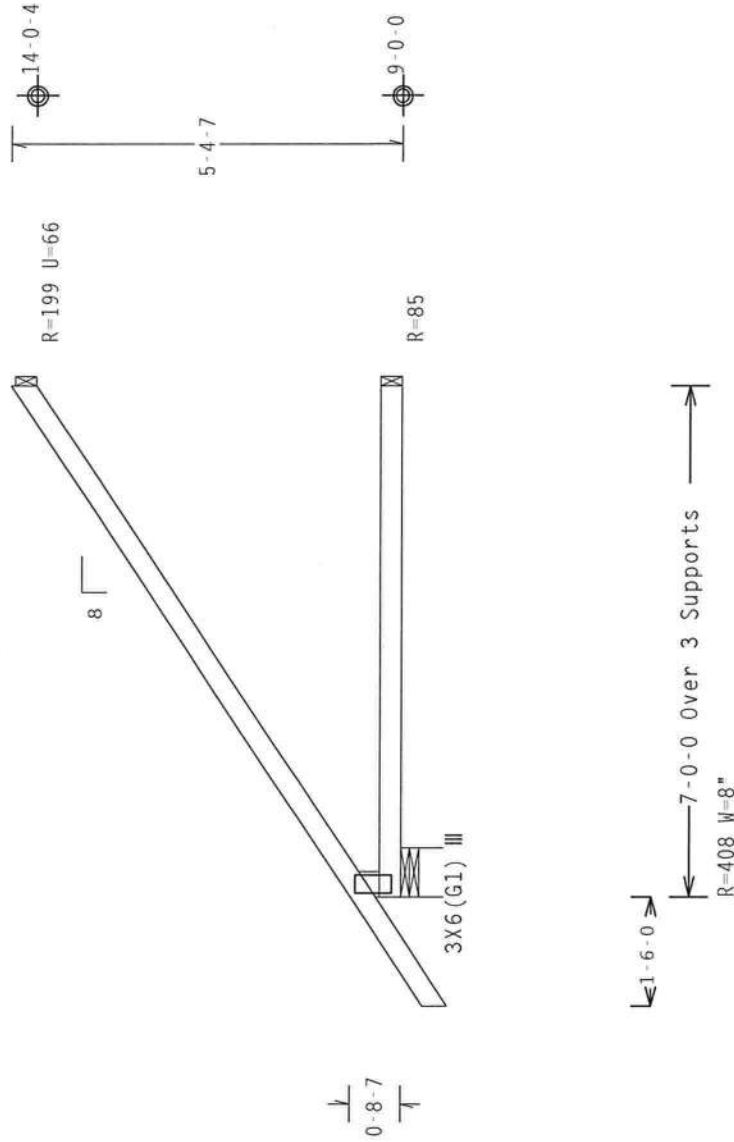
TC LL	20.0 PSF	REF	R8228- 18236
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309048
BC LL	0.0 PSF	HC-ENG	JB/AP *
TOT.LD.	40.0 PSF	SEQN-	100683
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05



Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubbed Wedge 2x4 SP #3:
Roof overhang supports 2.00 psf soffit load.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 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.



PLT TYP. Wave

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

7.36.00

QTY:1

FL/-4/-/-R/-

Scale = .375" /Ft.

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0.278

JAMES E. GOLLINS, JR.
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 04 '08

Nov 04 '08

REF R8228- 18237

DATE 11/04/08

DRW HCUSR8228 08309049

HC-ENG JB/AP

SEQN - 100690

FROM AH

JREF - 1TMC8228Z05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PFA) AND TPI1. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/T606 (M, H/55/K) ASTM A653 GRADE 40/60 (M, K/H/55) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T60A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SEALY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANNEX/TPI1 SEC. 2.

****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 TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PFA) AND TPI1. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/T606 (M, H/55/K) ASTM A653 GRADE 40/60 (M, K/H/55) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T60A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SEALY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANNEX/TPI1 SEC. 2.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubb'd Wedge 2x4 SP #3:

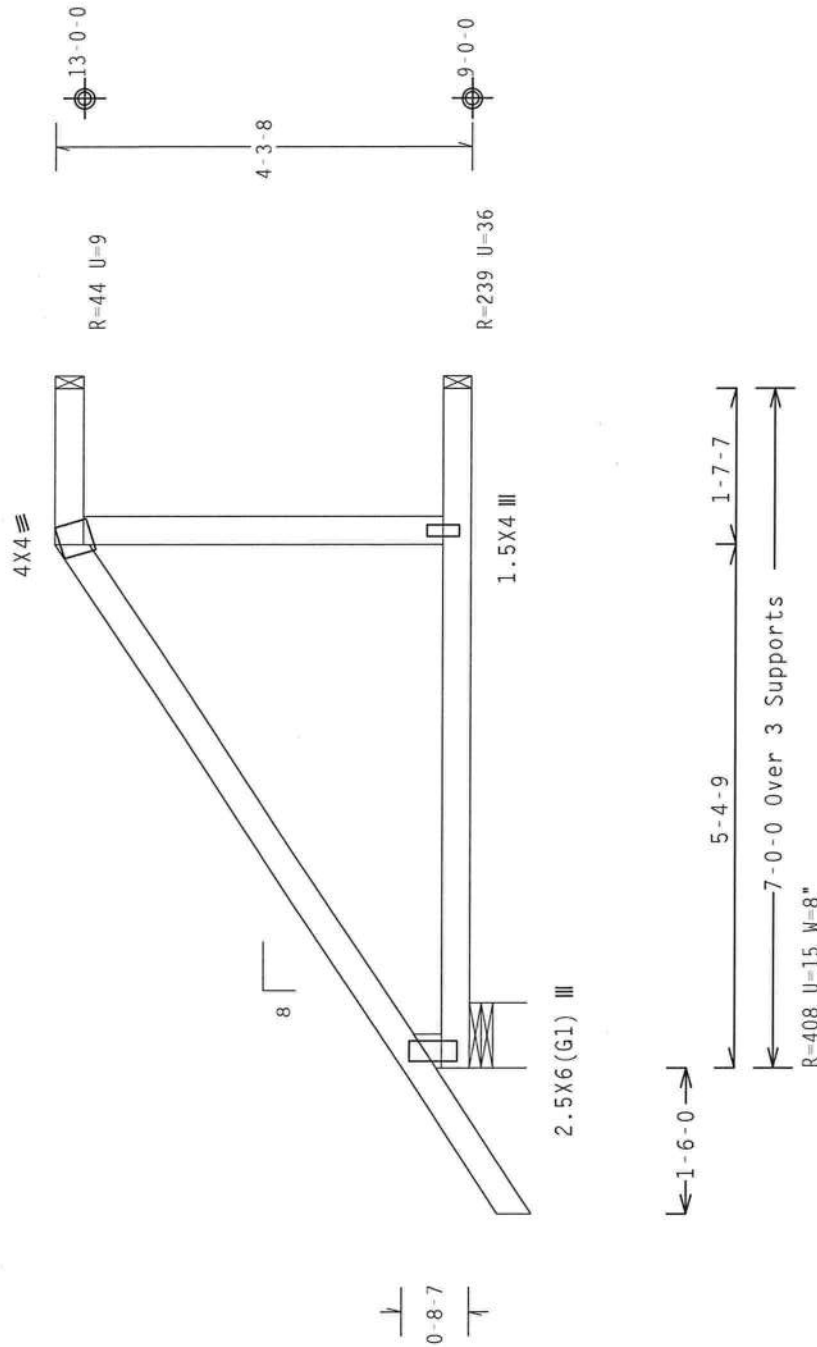
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Roof overhang supports 2.00 psf soffit load.

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



Design Crit: TPI-2002(STD)/FBC

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

QTY:1 FL1-141-1-1R1-

Scale = 5"/Ft

WARNING: THUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY (B.B.C.S.) FOR MORE INFORMATION. RUSS PLATE INSTITUTE, 250 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND MCAN (4001 THOUSAND COLONY, COLONY, ENTERPRISE LANE, MADISON, MI 48071) FOR SAFETY PRACTICES REQUIRED TO PERFORM THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

TC LL	20.0	PSF	REF	R8228-	18238
TC DL	10.0	PSF	DATE	11/04/08	
BC DL	10.0	PSF	DRW	HCUSR8228	08309050
BC LL	0.0	PSF	HC-ENG	JB/AP *	
TOT.LD.	40.0	PSF	SEQN-	100697	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TWC8228Z05	

A circular professional engineer seal for the State of Florida. The outer ring contains the text "JAMES A. ROLLINS, JR." at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by stars. The inner circle contains "STATE OF FLORIDA" at the top and "No. 52212" at the bottom, also separated by stars. A date stamp "Nov 04 '08" is visible on the right side of the seal.

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO PAGES 100 AND 101 FOR COMPLETE SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2300 NORTH LEE STREET, SUITE 100, ALEXANDRIA, VA 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 618 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 CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ACPA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/176GA (4.7/55S) ASK 6063 GRADE 40/60 (M, K7/J-SS) GALV. STEEL. APPLY ONE END OF EACH OF PRESS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DIAMETERS 160A-2. ANY INSPECTION OF THE TRUSS SHALL BE MADE IN ACCORDANCE WITH THE ABOVE AND TPI-12608 SEC.3. THE DRAWING INDICATES THE ACCEPTABILITY OF PROFESSIONAL ENGINEER RECOMMENDATIONS TO SELECT 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 COA #0278

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

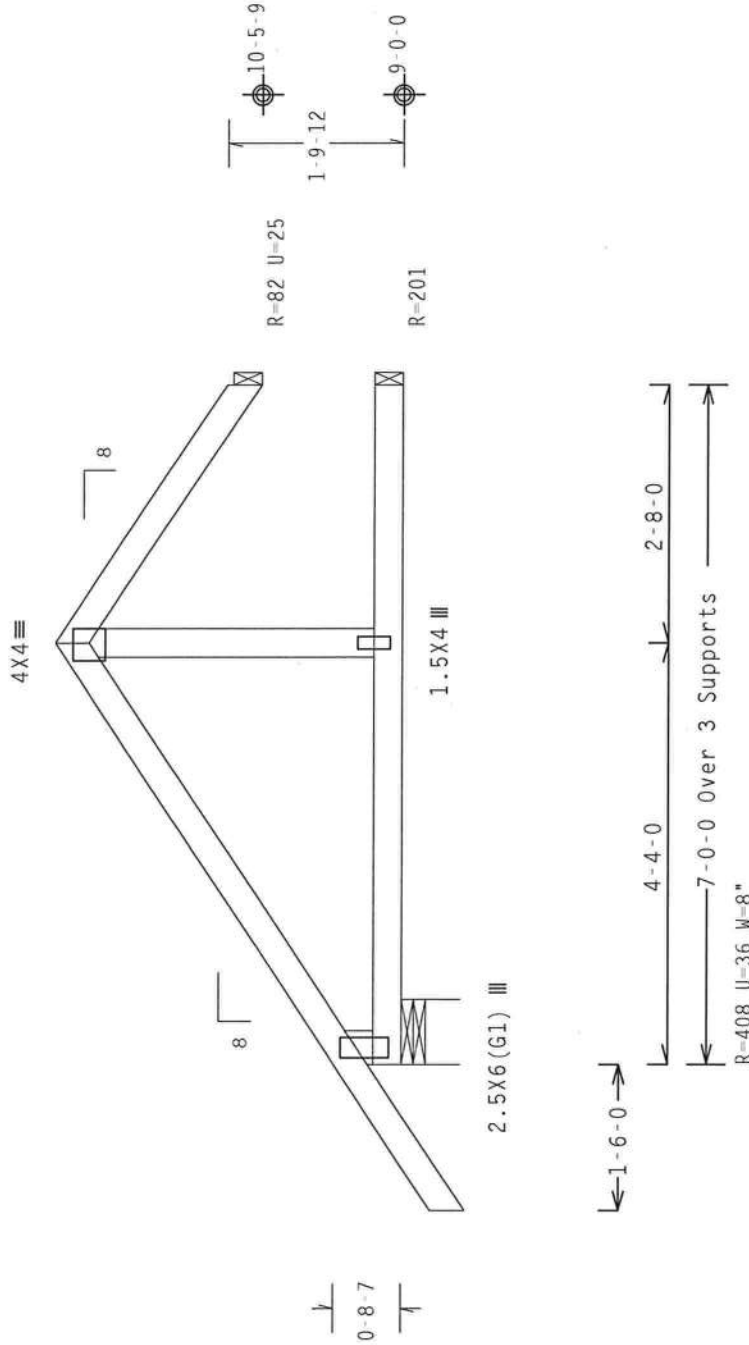
Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 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. $lw=1.00 G_{CPI}(+/-)-0.18$

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.23" due to live load and 0.36" due to dead load.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

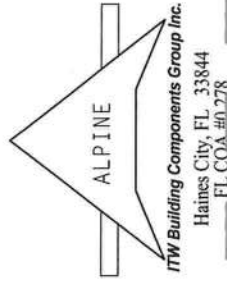
QTY: 1

Scale = .5" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 200 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 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 AISI (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/18GA (40/55/78) ASTM A653 GRADE 40/60 (4, 4/8, SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES AND TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160A-3, 160A-4, 160A-5, 160A-6, 160A-7, 160A-8, 160A-9, 160A-10, 160A-11, 160A-12, 160A-13, 160A-14, 160A-15, 160A-16, 160A-17, 160A-18, 160A-19, 160A-20, 160A-21, 160A-22, 160A-23, 160A-24, 160A-25, 160A-26, 160A-27, 160A-28, 160A-29, 160A-30, 160A-31, 160A-32, 160A-33, 160A-34, 160A-35, 160A-36, 160A-37, 160A-38, 160A-39, 160A-40, 160A-41, 160A-42, 160A-43, 160A-44, 160A-45, 160A-46, 160A-47, 160A-48, 160A-49, 160A-50, 160A-51, 160A-52, 160A-53, 160A-54, 160A-55, 160A-56, 160A-57, 160A-58, 160A-59, 160A-60, 160A-61, 160A-62, 160A-63, 160A-64, 160A-65, 160A-66, 160A-67, 160A-68, 160A-69, 160A-70, 160A-71, 160A-72, 160A-73, 160A-74, 160A-75, 160A-76, 160A-77, 160A-78, 160A-79, 160A-80, 160A-81, 160A-82, 160A-83, 160A-84, 160A-85, 160A-86, 160A-87, 160A-88, 160A-89, 160A-90, 160A-91, 160A-92, 160A-93, 160A-94, 160A-95, 160A-96, 160A-97, 160A-98, 160A-99, 160A-100. A SEAL OR THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/TPI 1 SEC. 2.

TC LL	20.0 PSF	FL / - / 4 / - / - / R / -	REF	R8228- 18239
TC DL	10.0 PSF		DATE	11/04/08
BC DL	10.0 PSF		DRW	HCUSR8228 08309051
BC LL	0.0 PSF		HC-ENG	JB/AP
TOT. LD.	40.0 PSF		SEQN-	100702
DUR. FAC.	1.25		FROM	AH
SPACING	24.0"		JREF-	1TMC8228Z05



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

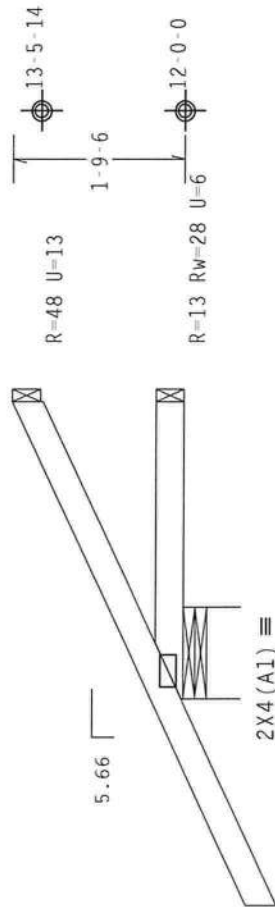
1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi (+/-)=0.18

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 MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.



2-1-7

3-0-11 over 3 supports

Design Crit: TPI-2002(STD)/FBC

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

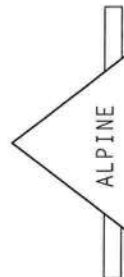
QTY:1 FL/-/4/-/-/R/-

Scale = .5"/Ft.

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THESE THUSSES ARE MARKETED BY THE MANUFACTURER, PUBLISHED BY TPI CONCRETE PLATE INSTITUTE, 2300 NORTH LEE STREET, SUITE 312, CHICAGO, ILLINOIS 60614, U.S.A. OR TPI CONCRETE PLATE INSTITUTE, 6500 ENTERPRISE LANE, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMANCE OF FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW 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, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IND (NATIONAL DESIGN SPEC, BY AFSPA) AND TPI, 1TH BCG
CONTRACTOR PLATES ARE MADE OF 20/18/10GA (N/45/55K) 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. A
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX 43 OF TPI-2002 SEC.2. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLLY FOR THE TRUSS COMPONENT
DESIGNER SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER AMS/ITPI 1 SEC.-2.



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

TC LL	20.0 PSF	REF	R8228- 18240
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309038
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	100989
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05

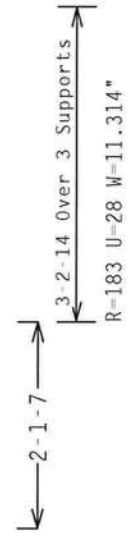
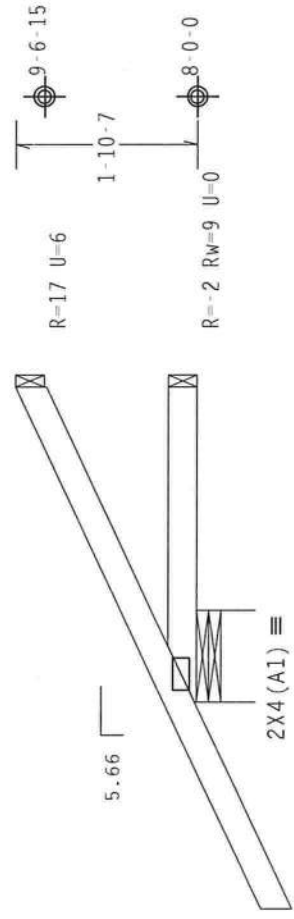
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Hipjack supports 2-3-8 setback jacks with no webs.

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 Gcpl(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

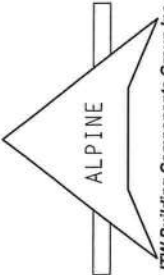
Cq/RT=1.00(1.25)/0(0)

QTY: 1

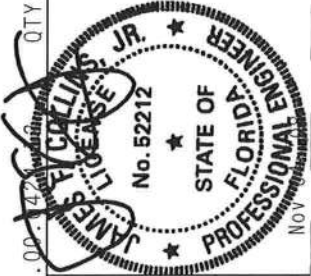
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****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CONCRETE REINFORCING INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, 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. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITM BCG CONNECTION PLATES ARE MADE OF 2019/166A (M/J/SS/XX) ASTM A653 GRADE 40/60 (W, X/H,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 ENGINEER 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 COA #0278



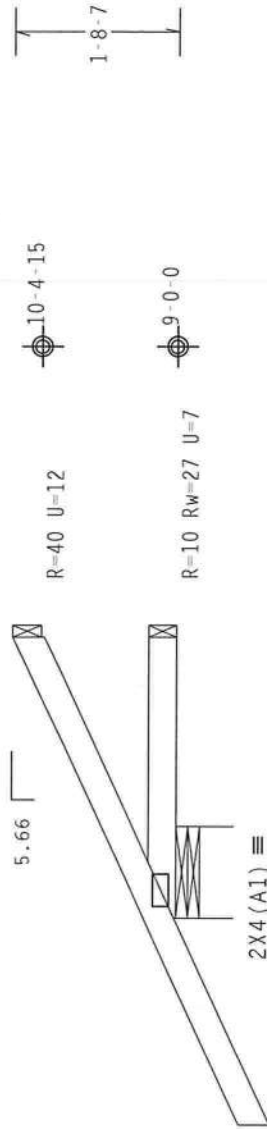
NOV 2008

TC LL	20.0 PSF	FL / - / 4 / - / - / R / -	REF	R8228- 18241
TC DL	10.0 PSF		DATE	11/04/08
BC DL	10.0 PSF		DRW	HCUSR8228 08309032
BC LL	0.0 PSF		HC-ENG	DF/DF
TOT.LD.	40.0 PSF		SEQN-	109081
DUR.FAC.	1.25		FROM	AH
SPACING	SEE ABOVE		JREF-	1TMC8228Z05

110 mph wind, 15.00 ft mean ht, 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(v/-)=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.



$\overbrace{\hspace{1.5cm}}^{2-1-7}$
 $\overbrace{\hspace{1.5cm}}^{2-10-10 \text{ Over } 3 \text{ Supports}}$
 $R=328 \quad U=42 \quad W=11,314''$

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

$$Ca/RT=1.00(1.25)/0(0)$$

6.00 01.31 0TY.1

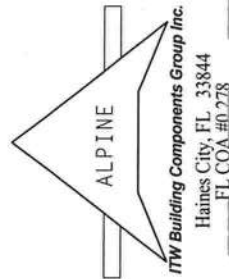
Scale = .5"/Ft.

WARNING: THOSE REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RETURN TO BEST BUILDING INFORMATION, PUBLISHED BY IPF (CRUSS PAPER INSTITUTE, 2308 NORTH LEE STREET, SUITE 212, ALEXANDRIA, VA 22304) FOR SPECIFICATIONS, CUTTING PRACTICES, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

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

CONTRACTOR PLATES ARE MADE OF 2010-T3 ALUMINUM PER NATIONAL DESIGN SPEC. BY ACPA) AND TPI. ITW BCG HAS A PLANT LOCATED AT 10701 N. WILSON AVE., CHICAGO, IL 60642. A K/A-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED IN THIS SPECIFICATION PER DRAWINGS. LOOK FOR ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMSE A3 OF TPI-2002 SEC. 3.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMSI/TPI 1 SEC. 2.



TC LL	20.0	PSF	REF R8228- 18242
TC DL	10.0	PSF	DATE 11/04/08
BC DL	10.0	PSF	DRW HCUR8228 08309028
BC LL	0.0	PSF	HC-ENG JB/AP
TOT.LD.	40.0	PSF	SEQN- 111591
DUR.FAC.	1.25		FROM AH
SPACING	24.0"		JREF- 1TMC8228Z05

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

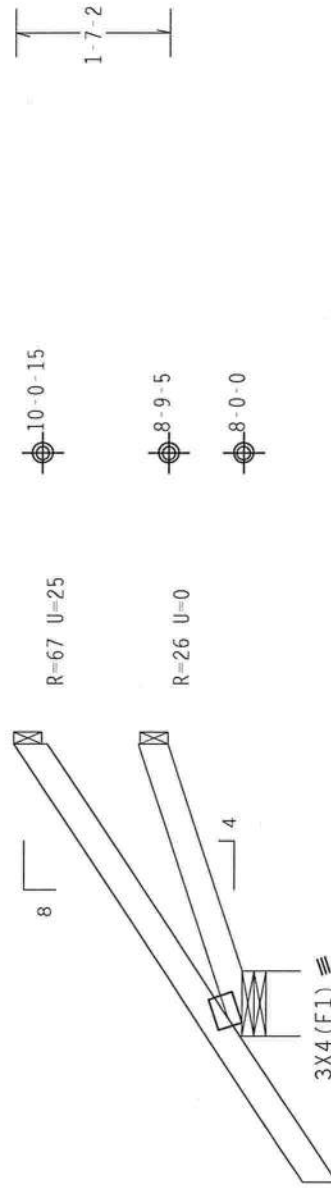
Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP 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.

Shim all supports to solid bearing.



← 1-6-0 →
3-0-0 Over 3 Supports
R=265 U=17 W=8"

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

PLT TYP. Wave

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

7.36.00 ~~042~~ QTY:1

Scale = .5"/Ft.

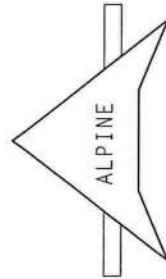
TC LL	20.0 PSF	REF	R8228- 18245
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309020
BC LL	0.0 PSF	HC-ENG	JB/AP *
TOT.LD.	40.0 PSF	SEQN-	111613
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05



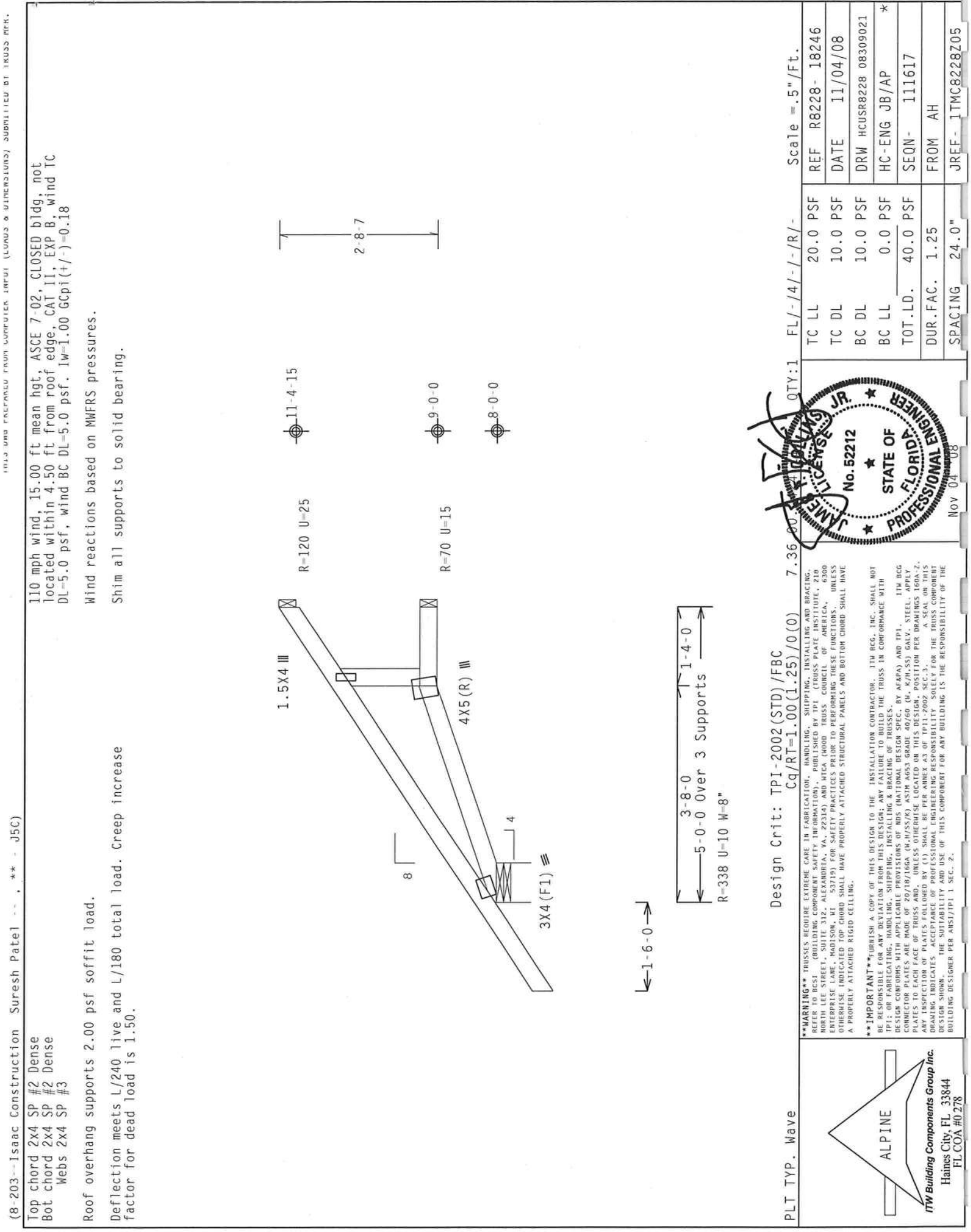
WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND RIGGING. ALWAYS WEAR PROTECTIVE SAFETY EQUIPMENT. PUBLISHED BY THE CRUSS PLATE INSTITUTE, 218 NORTH LITCHFIELD AVE., CHICAGO, ILL. 60608. CRUSS INSTITUTE, COUNCIL OF AMERICA, 6300 CENTRE EXCHANGE LANE, WADSWORTH, MI 48093. (419) 527-1919. FOR SAFETY PRECAUTIONS, PREHEATING FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC.), BY AISC) AND TPI. 1. IN FABRICATING, DRILLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATES ARE MADE OF 70/18/16GA. (0.1875") ASTM A653 GRADE 40/60 (K. YU-55) GALV. STEEL, APPLY PLATES TO EACH FACE OF THE TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. 2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER. AMEX 43 OF TPI-2002 SEC. 3. 3. DRAWING 160A-2 INDICATES ACCORDANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278



(8-203--Isaac Construction Suresh Patel --, ** - J5C)
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Roof overhang supports 2.00 psf soffit load.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.
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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$
Wind reactions based on MWFRS pressures.
Shim all supports to solid bearing.

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

PLT TYP. Wave

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

Scale = .5" /Ft.

QTY: 1

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

TC LL	20.0	PSF
TC DL	10.0	PSF
BC DL	10.0	PSF
BC LL	0.0	PSF
TOT.LD.	40.0	PSF
DUR.FAC.	1.25	
SPACING	24.0"	

REF R8228 - 18246
DATE 11/04/08
DRW HCUSR8228 08309021
HC-ENG JB/AP
SEQN - 111617
FROM AH
JREF - 1TMC8228Z05

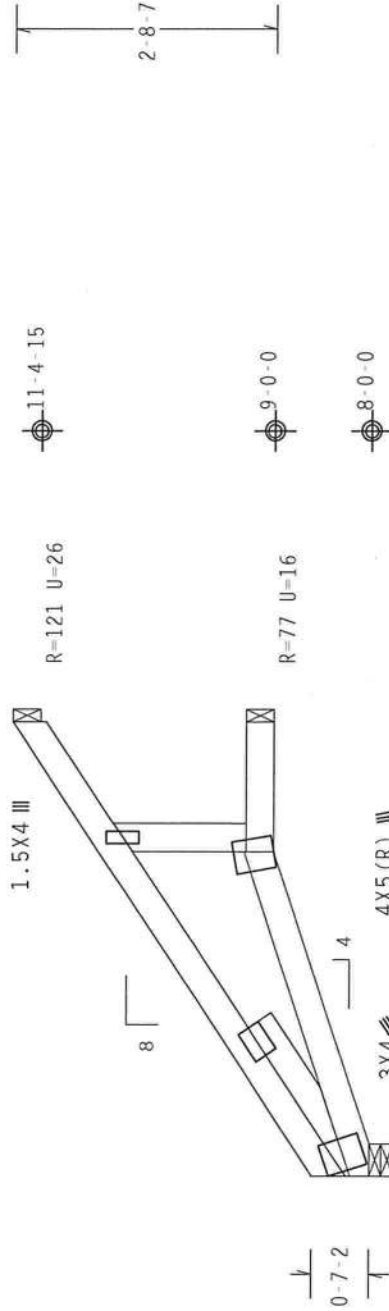
Nov 04 08

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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 $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Shim all supports to solid bearing.



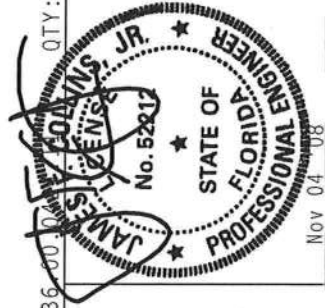
$3-4-0$
 $4-8-0$ Over 3 Supports
 $1-4-0$
 $R=198 \quad U=0 \quad W=4$

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

PLT TYP. Wave

Scale = .5"/Ft.

TC LL	20.0	PSF	REF	R8228- 18247
TC DL	10.0	PSF	DATE	11/04/08
BC DL	10.0	PSF	DRW	HCU8R8228 08309022
BC LL	0.0	PSF	HC-ENG	JB/AP *
TOT.LD.	40.0	PSF	SEEN-	111623
DUR.FAC.	1.25		FROM	AH
SPACING	24.0"		JREF-	1TMC8228Z705

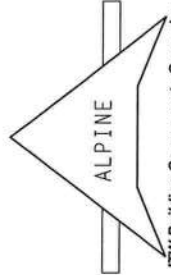


Nov 04 08

*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND AITCA (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 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 COMES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPT. THE APPLICABLE PROVISIONS ARE: 19/1766 (4-7/55/61) ASH 4040 (4-7/55/61) GALV. STEEL, APPLY TO PLATES, TO EACH FACE OF JOINTS AND TO EACH FACE OF PLATES, SECTION PER DRAWINGS, 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEAL 4-7 OF TPT, 1002-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/TPT 1 SEC. 2.



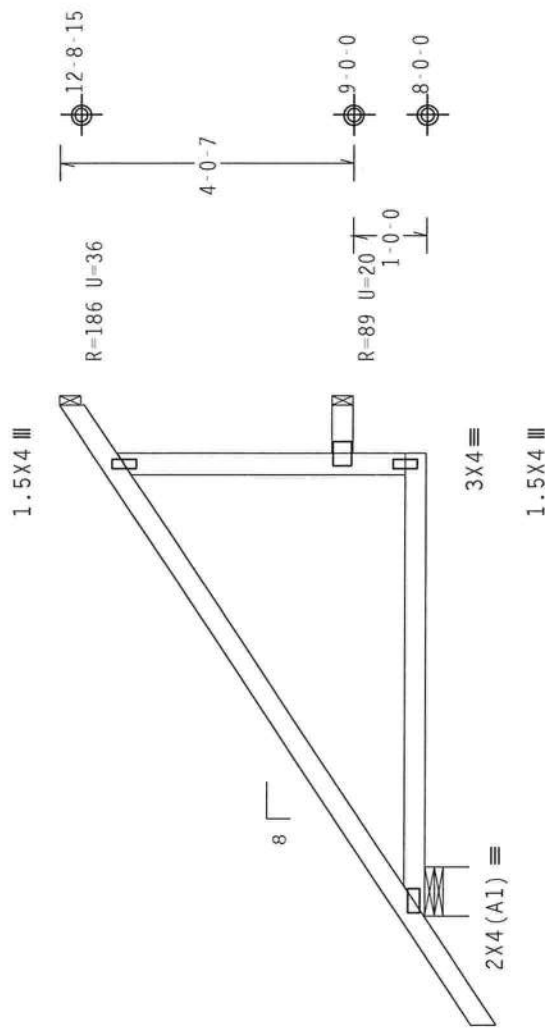
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, 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, $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

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



L-1-6-0

$\overbrace{\text{7-0-0 Over 3 Supports}}^{6-4-0}$
 $\overbrace{\hspace{10em}}^{d-8-0}$
 R=417 U=5 W=8"

Design Crit: $\text{TPI-2002(STD) / FBC}$
 $\text{Ca / RT} = 1.00(1.25) /$

QTY:1 FL/-/4/-/-/R/-/ - Scale = .375" / Ft.

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

QTY:1

0010424

7.36

$$5) / 0(0)$$

.00(1.25)

 $Cq/RT=1$

5

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Wave

LT TYP.

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*****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO SHEET "BUILDING COMPONENT INFORMATION", PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 WEST 35TH STREET, ALEXANDRIA, VA, 22314, AND MECA (4060) TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DRIVE, MOBILE, AL 36688, FOR PROPER FABRICATION 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, CLIPS.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

1

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

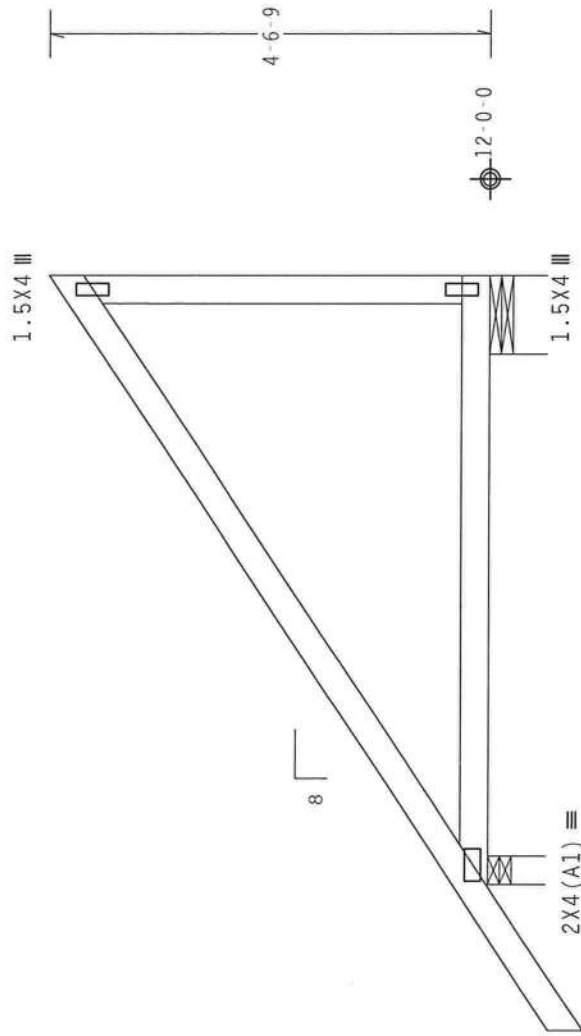
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpf(+/-)=0.55

Roof overhang supports 2.00 psf soffit load.

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.

Right end vertical not exposed to wind pressure.



7-6-0

6-3-3 Over 2 Supports

R=242 U=84 W=9.816"

Design Crit: TPI-2002(STD)/FBC

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

Scale = .5"/Ft.

OTY:1

7.36 ~~90~~

FL 1 - 141 - 1 - 1R1 -

1 - 1 R 1 -

25

Scale

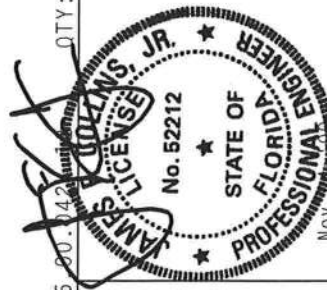
ale =

5 =

5" / F +

+E+

WARNING THUSSES REQUIRE EXTREME CARE IN ERECTION. HANDLING, SHIPPING, INSTALLING AND BEACING. REFER TO BCS) (BUILDING COMPONENT SAFETY INFORMATION) FOR THE STEEL DECKING PLATE INSTITUTE, 2150 NORTH LANE STREET, SUITE 312, ALLENHURST, VA 22134, AND WCA (WOOD TRUSS COMPANY), 6500 TRUSS COMPANY ENTERPRISE LANE, WAUWATSEGA, WI 53191. 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.

[illegible]

No.

240

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110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. 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 (+/-)=0.55

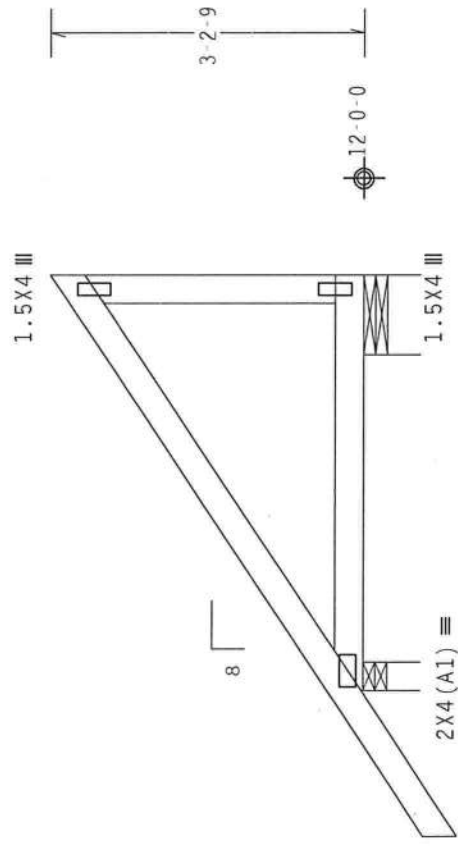
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

Roof overhang supports 2.00 psf soffit load.

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



$\overleftarrow{1-6-0} \rightarrow$
 $\overleftarrow{4-3-3} \text{ Over } 2 \text{ Supports } \rightarrow$
 $R=311 \quad U=35 \quad W=3.489''$
 $R=150 \quad U=54 \quad W=9.816''$

Design Crit: TPI-2002(STD)/FBC

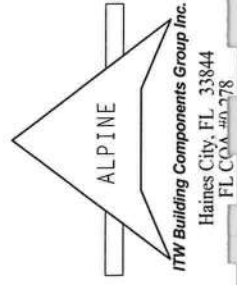
$$Cq/RT=1.00(1.25)/0(0)$$

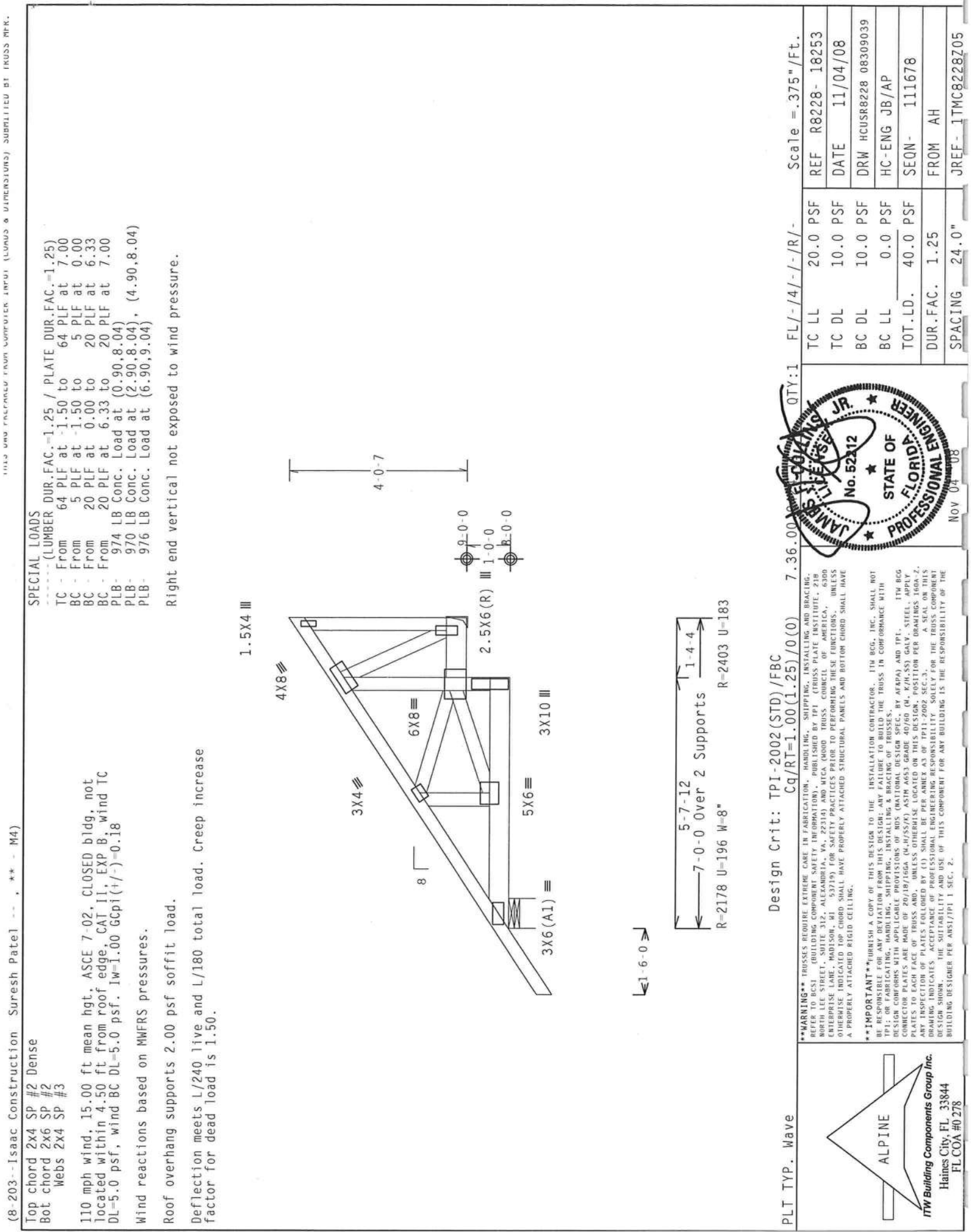
Scale = .5" / Ft.

TC LL	20.0	PSF	REF	R8228-	18251
TC DL	10.0	PSF	DATE	11/04/08	
BC DL	10.0	PSF	DRW	HCUSR8228	08309062
BC LL	0.0	PSF	HC-ENG	JB/AP	*
TOT.LD.	40.0	PSF	SEQN-	100881	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TMC8228	Z05



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPOSITE SAFETY INFORMATION), PUBLISHED BY IPCL (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22316 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.

[illegible]



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

SPECIAL LOADS

---(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)---			
TC	From	64 PLF at 0.00 to	64 PLF at 1.99
TC	From	64 PLF at 1.99 to	64 PLF at 14.51
TC	From	64 PLF at 14.51 to	64 PLF at 16.50
BC	From	4 PLF at 0.00 to	4 PLF at 16.50

Wind reactions based on MWFRS pressures.

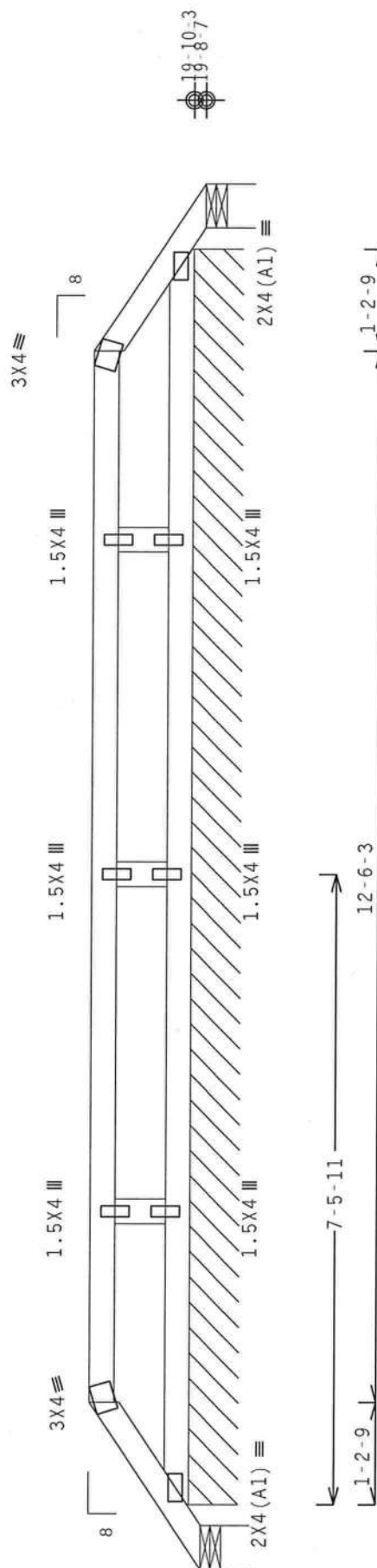
Refer to DWG PIGBACK0207 or PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

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

110 mph wind, 20.37 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, $lw=1.00$ GCpi(+/-)=0.18

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

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

 $R=6 \quad R_W=19 \quad H=19 \quad W=6 \quad 31''$

R=72 PLF U=22 PLF W=14-11-6

-16-6-0 Over 3 Supports

 $R=6 \quad U=5 \quad W=6.31''$

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/0(0)$ 7.36.00

FI 1-141-1-1R1-

Scale = 5"/Ft.

WARNING THESES REQUIRES EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND MAINTAINING. PLEASE READ THE FOLLOWING INFORMATION, PUBLISHED BY THE COUNCIL OF AMERICA, 6300 NORTH LEE STREET, SUITE 312, ARLINGTON, VIRGINIA 22204. (4040) UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

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

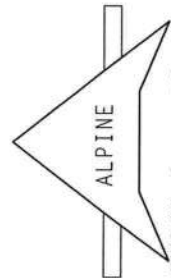
The design conforms with applicable provisions of AISC (National Design Spec., by AFPA) and TPI. The design also complies with manufacturing, shipping, installing and erecting of trusses.

CONNECTOR PLATES ARE MADE OF 29018/U68A (M/SS/A573 GRADE 40/60 (N. K/J/L/S)) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ABOVE JOINTS, POSITION PER DRAWINGS I-60-A-2.

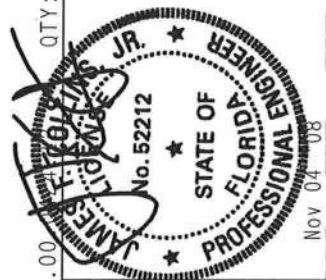
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3.

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

THE SUBMITTAL AND USE OF THIS IS AN ACKNOWLEDGMENT THAT THE TRUSS COMPONENT WILLING DESIGNER PER ANSI/TPI 1. C-2.



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278



TC LL	20.0 PSF	REF	R8228-	18254
TC DL	10.0 PSF	DATE	11/04/08	
BC DL	10.0 PSF	DRW	HCUSR8228	08309064
BC LL	0.0 PSF	HC-ENG	JB/AP	
TOT.LD.	40.0 PSF	SEQN-	100556	
DUR.FAC.	1.25	FROM	AH	
SPACING	24.0"	JREF-	1TMC8228Z05	

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

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

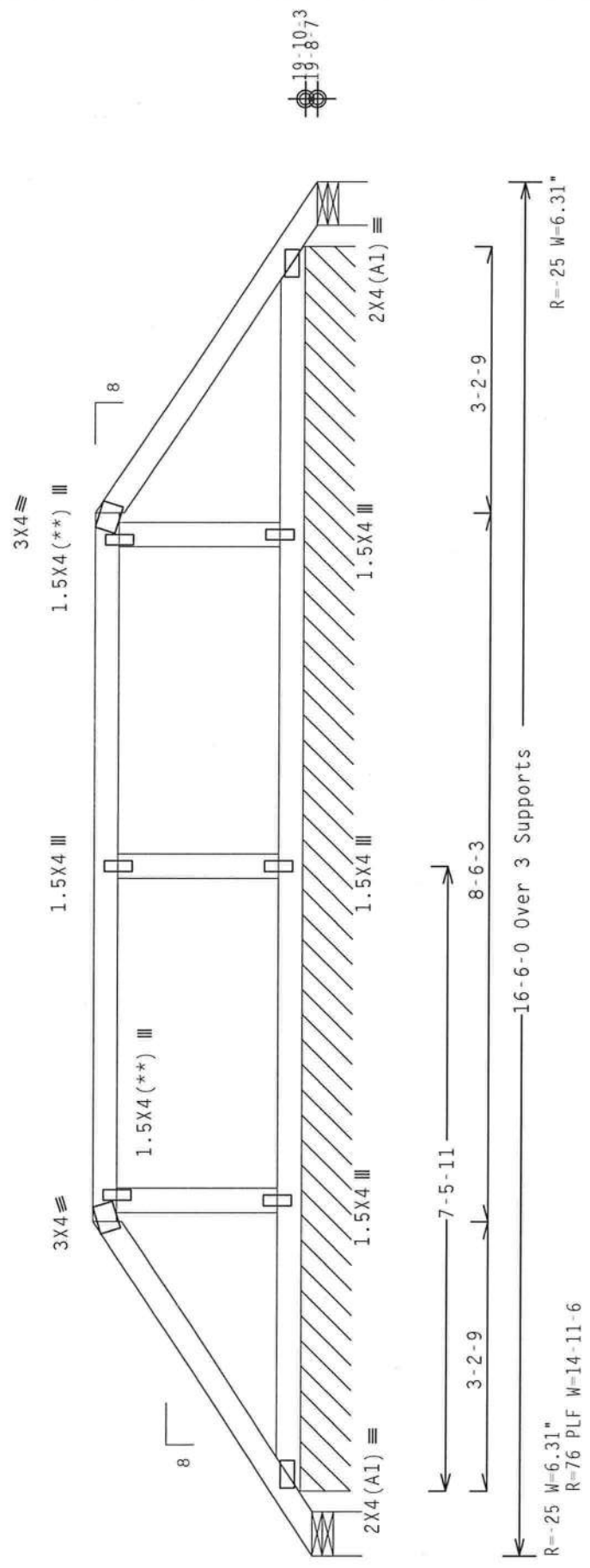
In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" OC, all BC @ 24" OC.

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	64 PLF at	0.00 to	64 PLF at 3.99
TC	- From	64 PLF at	3.99 to	64 PLF at 12.51
TC	- From	64 PLF at	12.51 to	64 PLF at 16.50
BC	- From	4 PLF at	0.00 to	4 PLF at 16.50

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)/0(0)

QTY: 1

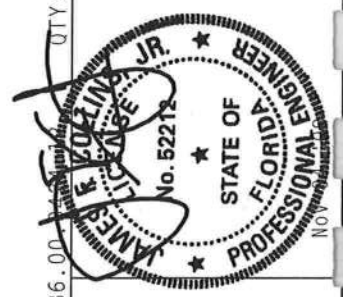
Scale = .5"/Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSJ (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CRANES PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48224) 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. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AIA/RAJ) AND TPI1. CONNECTOR PLATES ARE MADE OF 2018/16GA (N-H/55/K) ASTM A653 GRADE 40/60 (N, K/2/SS) GALV. STEEL. APPLY LARGEST OF 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 ENGINEERING RESPONSIBILITY FOR THE TRUSS. THE BUILDING DESIGNER PER AIA/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R8228- 18255
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309065
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	100562
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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

110 mph wind, 21.70 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. 1w=1.00 GCpi(+/-)-0.18

Wind reactions based on MWFRS pressures.

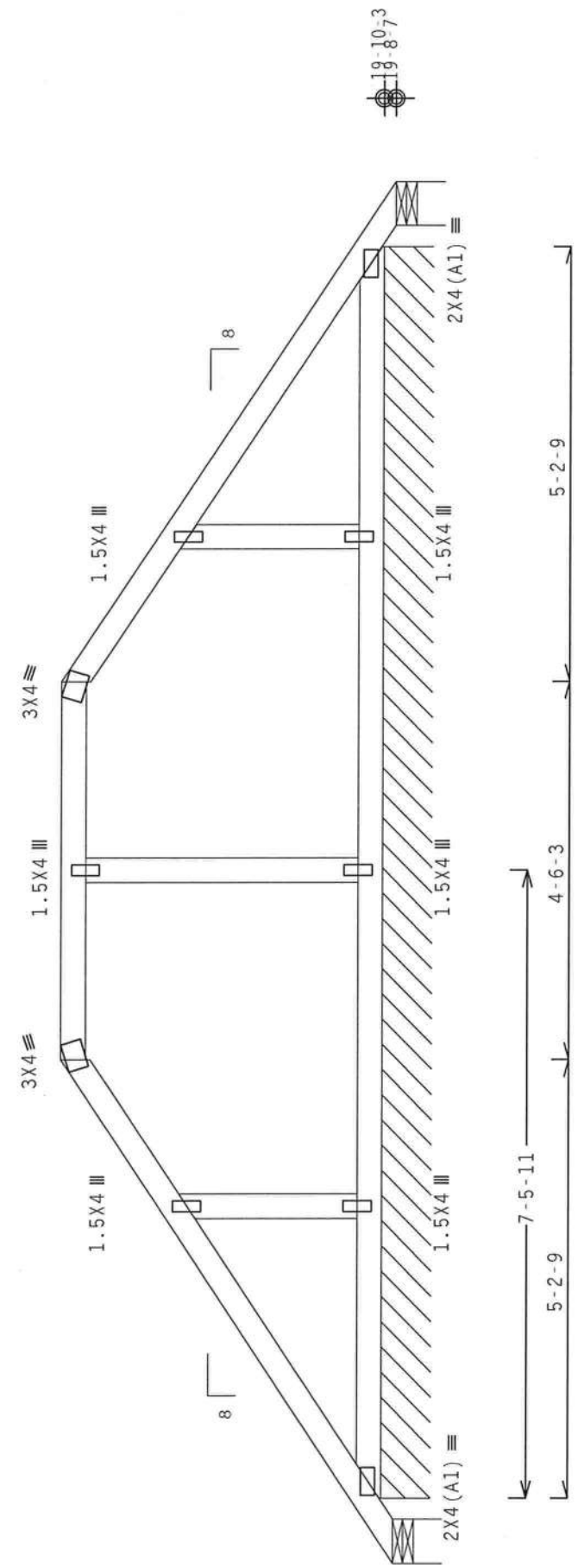
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 5.99
TC - From 64 PLF at 5.99 to 64 PLF at 10.51
TC - From 64 PLF at 10.51 to 64 PLF at 16.50
BC - From 4 PLF at 0.00 to 4 PLF at 16.50

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



R=19 Rw=65 U=66 W=6.31"
R=75 PLF U=27 PLF W=14-11-6

R=19 Rw=28 U=18 W=6.31"

Design Crit: TPI-2002(STD)/FBC

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

QTY:1

Scale = .5" / Ft.

PLT TYP. Wave

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/10/16GA (W-H/SS/PS) ASTM A553 GRADE 40/60 (W, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. 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.

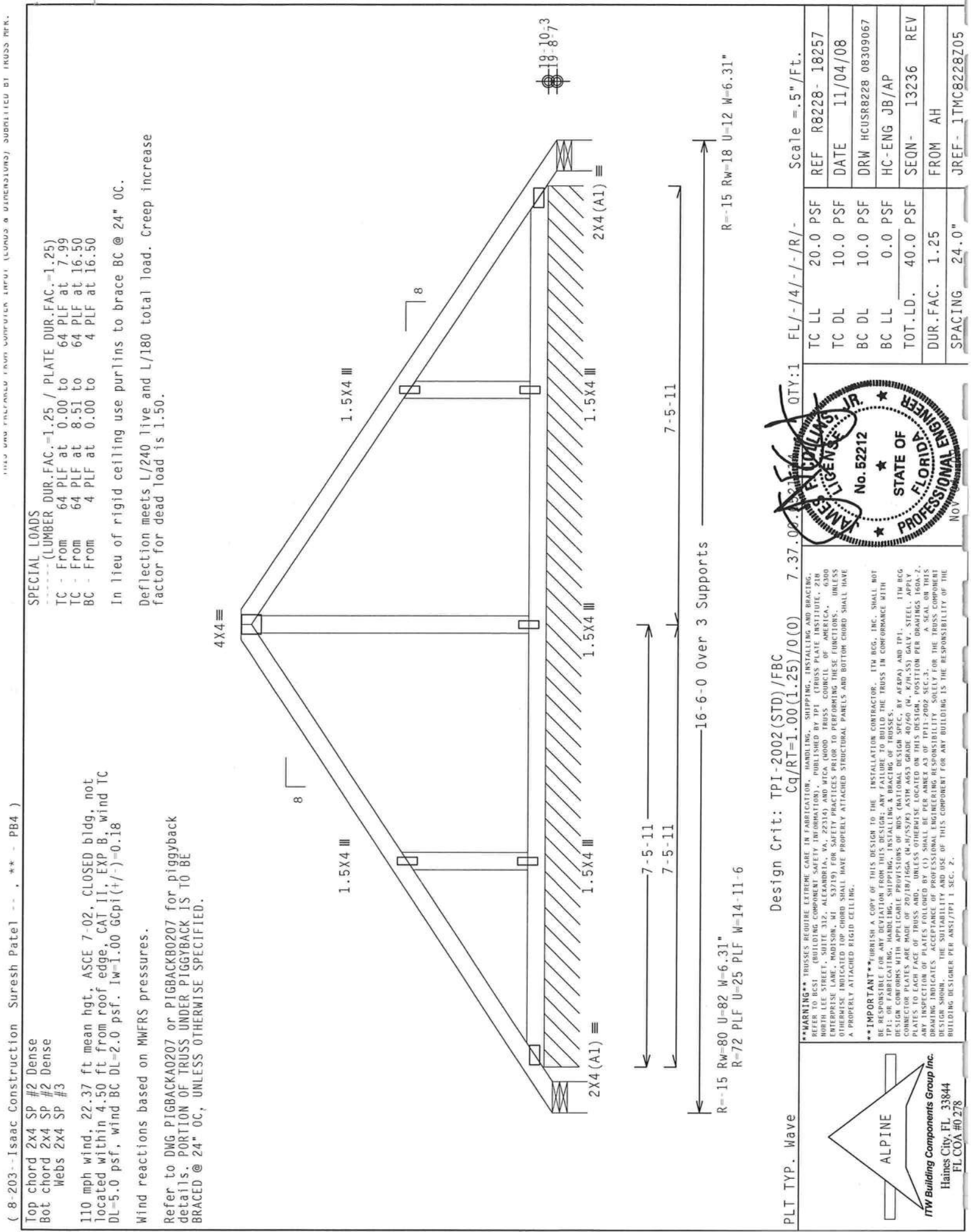
ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

JAMES H. ENKLING, JR.
LICENSE
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Nov 04 2008

TC LL	20.0 PSF	REF	R8228- 18256
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309066
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	100566
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	ITMC8228Z05



(8-203--Isaac Construction Suresh Patel -- , ** - PB4)

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

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. $I_w=1.00$ $G_{CPI}(\pm)-0.18$

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

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 7.99
TC - From 64 PLF at 8.51 to 64 PLF at 16.50
BC - From 4 PLF at 0.00 to 4 PLF at 16.50

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.

Scale = .5" / Ft.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
 $C_q/RT=1.00(1.25)/0(0)$ 7.37.00

QTY: 1

FL / - / 4 / - / R / -

TC LL 20.0 PSF
TC DL 10.0 PSF
BC DL 10.0 PSF
BC LL 0.0 PSF
TOT.LD. 40.0 PSF
DUR.FAC. 1.25
SPACING 24.0"

REF R8228- 18257
DATE 11/04/08
DRW HCUSR8228 08309067
HC-ENG JB/AP
SEQN- 13236 REV
FROM AH
JREF- 1TMC8228Z05

Nov 10

ALPINE

rtw Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

Nov 10

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

110 mph wind, 22.45 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

Wind reactions based on MWFRS pressures.

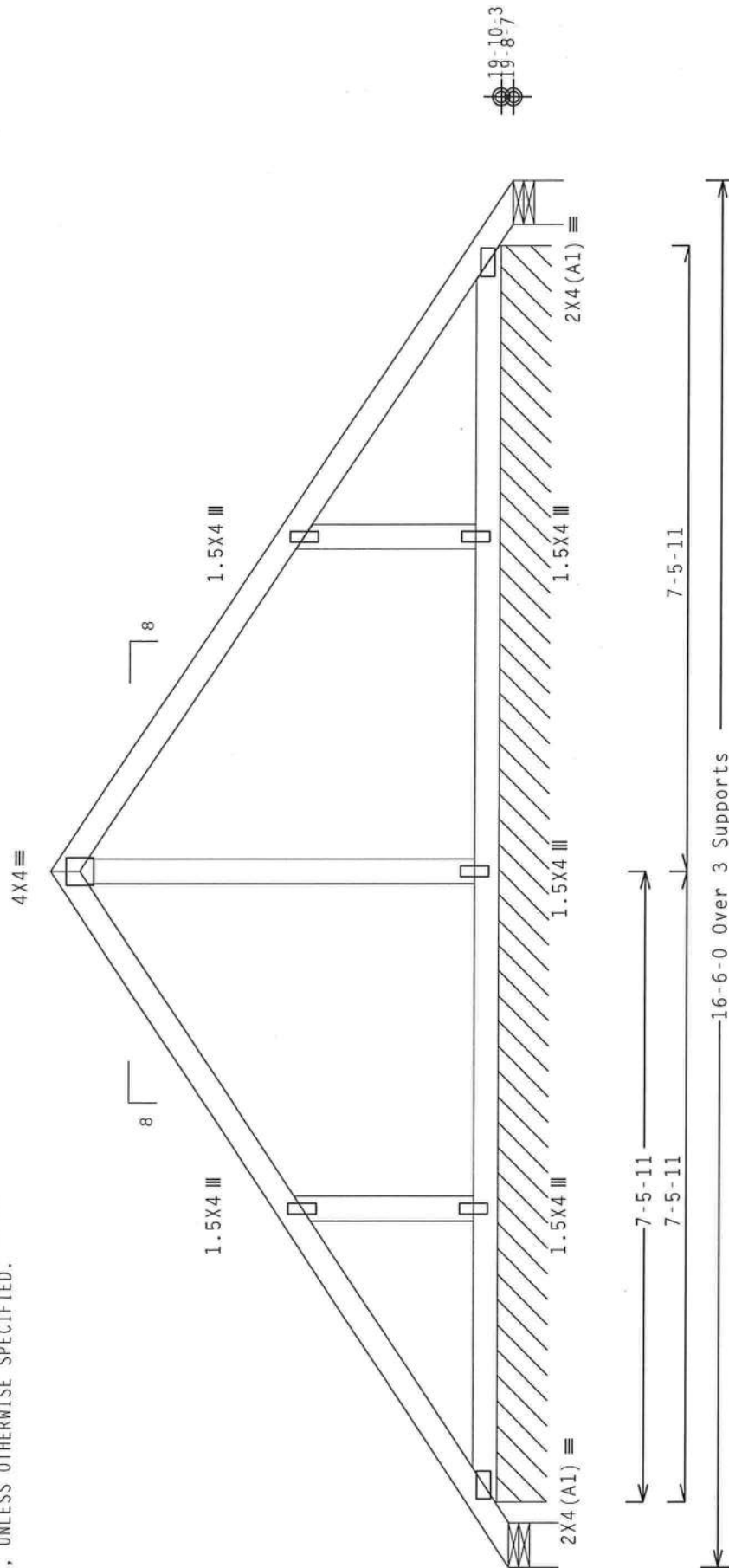
Refer to DWG PIGBACK0207 or PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS

SPELLED LONES		DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)	
TC	From	64 PLF at 0.00 to	64 PLF at 8.25
TC	From	64 PLF at 8.25 to	64 PLF at 16.50
BC	From	4 PLF at 0.00 to	4 PLF at 16.50

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.



R=-14 RW=82 II=84 W=6 31"

R=75 PLF U=26 PLF W=14-11-6

-16-6-0 Over 3 Supports

R=-14 RW=18 U=12 W=6.31"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

$$C_0/RT = 1.00(1.25)/0(0)$$

OTY-1

E11-141-1-1B1-

$$\text{Scale} = 5''/\text{ft}$$

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALWAYS USE PROPER SAFETY INFORMATION. PUBLISHED BY THE CRUSS PLATE INSTITUTE, 210 NORTH LEE STREET - WADSWORTH, MA 01837. (PH) 603-893-1100 FAX 603-893-1101. IF YOU ARE AN EMBROIDERED LABEL, MAIL \$5.00 TO: 5571 FAY STREET, NEWTON, MA 02459. FOR SALES PRICES, PREORDERING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED BENCH KNUCKLES.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASA), AND TPI. 17W BCG

CONNECTOR PLATES WERE MADE OF 2017H18GA (44/455K) ALUM. ALLOY GRADE 40760 (N. KJH-SS) GALV. STEEL, APPLIED TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITIONED PER DRAWINGS 160A-2. 160A-2

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-2002 SEC. 3.2. A SEAL ON THIS

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER.

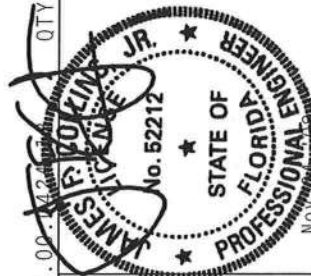
DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER PER ANNEX A/TPI 1 SEC. 2.



ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278



NOV 1997

REF- 1TMC8228Z05

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

110 mph wind, 22.46 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

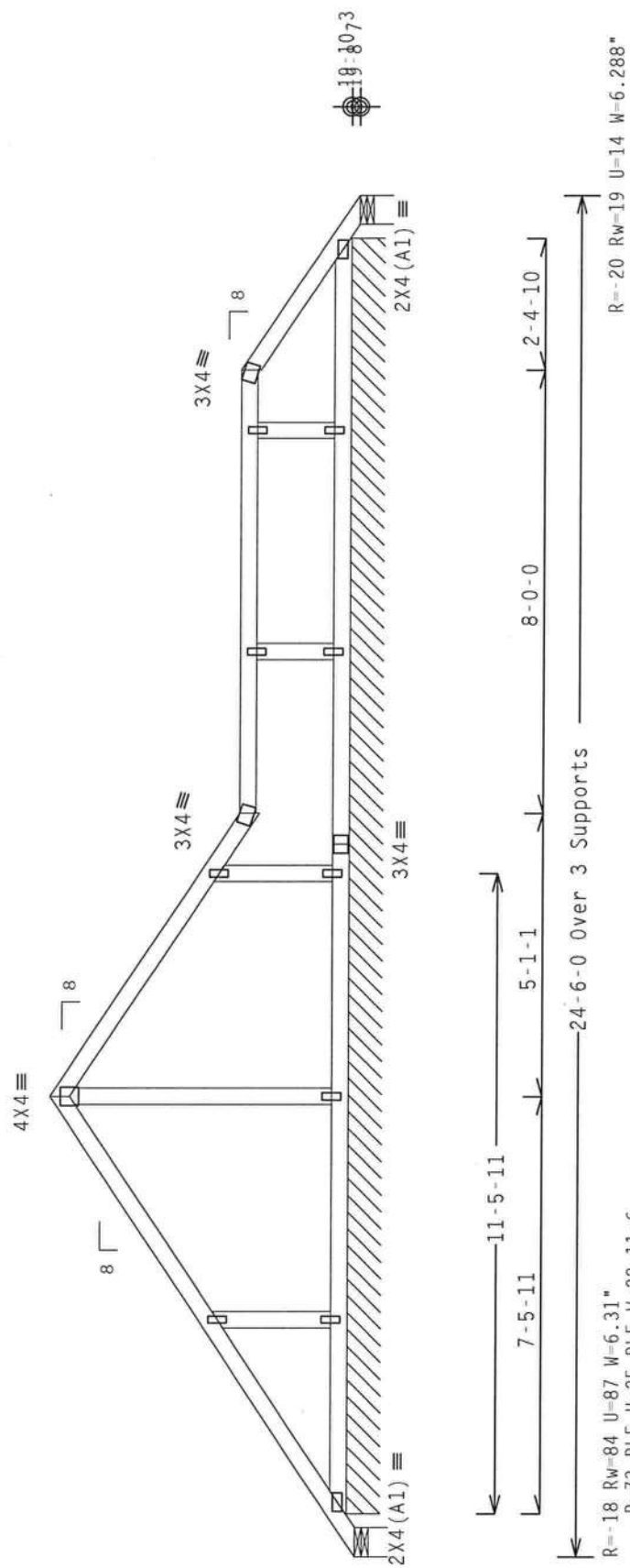
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 8.25
TC - From 64 PLF at 8.25 to 64 PLF at 13.34
TC - From 64 PLF at 13.34 to 64 PLF at 21.34
TC - From 64 PLF at 21.34 to 64 PLF at 24.50
BC - From 4 PLF at 0.00 to 4 PLF at 24.50

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



R=-18 Rw=84 U=87 W=6.31"

R=73 PLF U=25 PLF W=22-11-6

Note: All Plates Are 1.5x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7.37.00

QTY:1

FL/-4/-/-R/-

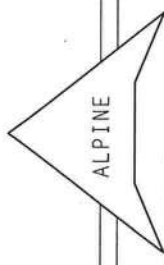
Scale = .3125"/Ft.

R=-20 Rw=19 U=14 W=6.288"

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 214 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND METAC (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, MI 48071) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITM BCG CONNECTION PLATES ARE MADE OF 20/19/16GA (44/55/28) ASTM A653 GRADE 40/60 (4, 4/8, 5/8) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AWS/TPI 1 SEC. 2.



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278



JAMES S. DAVIS, JR.
No. 52242
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 04 '08

REF	R8228-18259
DATE	11/04/08
DRW	HCUSR8228 08309070
HC-ENG	JB/AP
SEQN-	13241 REV
FROM	AH
JREF-	1TMC8228Z05

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

110 mph wind, 22.46 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

Wind reactions based on MWFRS pressures.

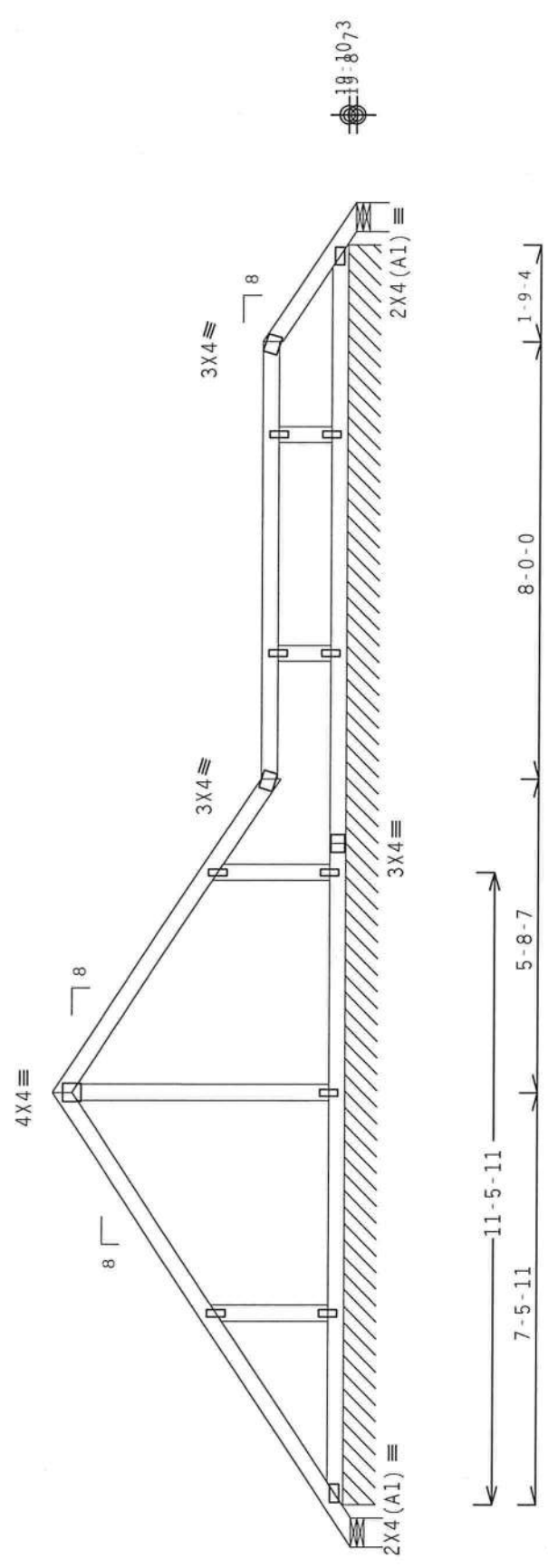
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 8.25
TC - From 64 PLF at 8.25 to 64 PLF at 13.95
TC - From 64 PLF at 13.95 to 64 PLF at 21.95
TC - From 64 PLF at 21.95 to 64 PLF at 24.50
BC - From 4 PLF at 0.00 to 4 PLF at 24.50

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



R=-19 Rw=83 U=87 W=6.31"

R=73 PLF U=25 PLF W=22-11-5

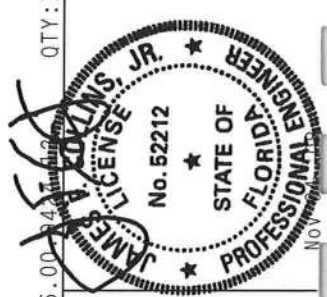
R=-27 Rw=21 U=14 W=6.31"

Note: All Plates Are 1.5X4 Except As Shown.

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

QTY: 1 FL/-4/-/-/R/- Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R8228- 18260
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309071
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN	100591
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF	1TMC8228Z05



****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), 21 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND MICA (WOOD TRUSS COUNCIL OF AMERICA), 6500 ENTERPRISE LANE, MADISON, MI 48071, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/55/8) ASTM A653 GRADE 40/60 (4, 8/16, SS) GALV. STEEL. APPLY NAILS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ALL DIMENSIONS SHALL BE IN INCHES. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL BE TO THE CENTER OF THE MEMBER. 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 COA #0278

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

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

110 mph wind, 20.37 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 GCpl(+/-)-0.18

Wind reactions based on MWFRS pressures.

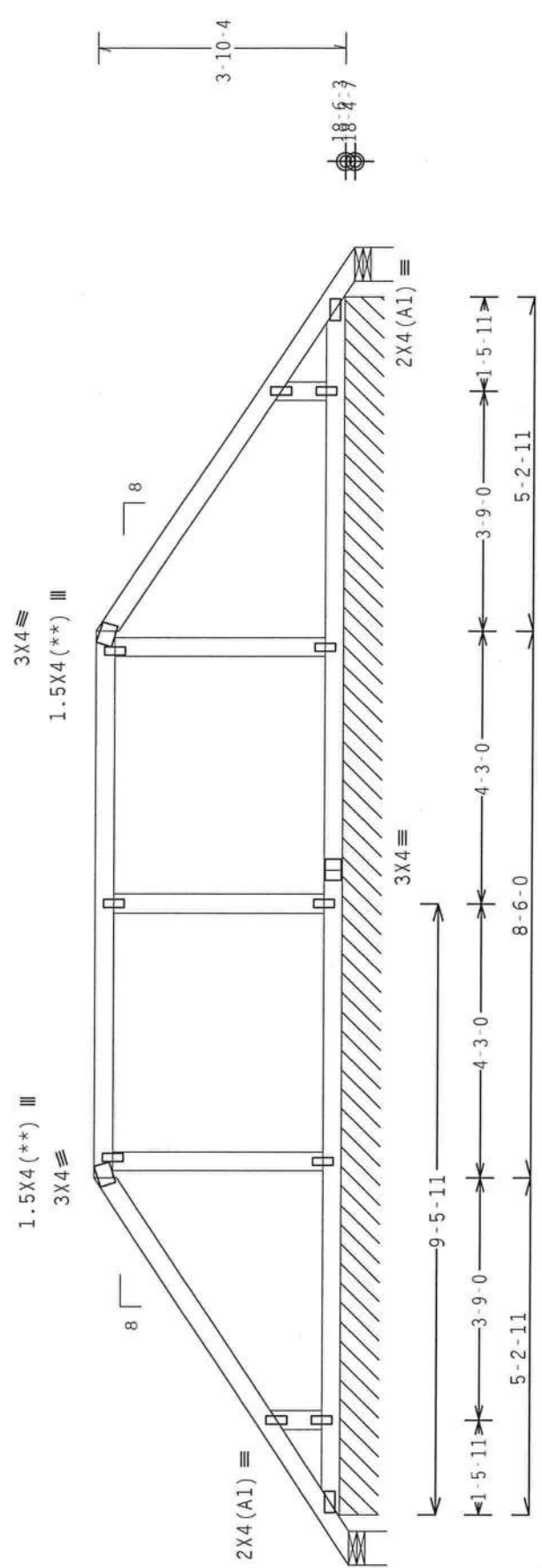
Refer to DWG PIGBACK0207 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 6.00
TC - From 64 PLF at 6.00 to 64 PLF at 14.50
TC - From 64 PLF at 14.50 to 64 PLF at 20.50
BC - From 4 PLF at 0.00 to 4 PLF at 20.50

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.



R=29 Rw=53 U=47 W=6.31"
R=69 PLF U=20 PLF W=18-11-6

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7.36

QTY: 1

Scale = .375" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 214 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48371) 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. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITM BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITM BCG PLATES TO FACE OR END OF TRUSS. REFER TO DWG 2018/160A (4-1/2" X 5/8") ASH 6053 GRADE 40/60 (4, 4/2" X 5/8") GALV. STEEL. APPLY PLATES TO FACE OF TOP CHORD. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED BY A QUALIFIED PERSONNEL. THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS MANUFACTURER'S DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

JAMES F. COLLINS JR.
LICENSED PROFESSIONAL ENGINEER
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 01 2000

TC LL	20.0 PSF	REF	R8228- 18262
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309072
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	109242
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05

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

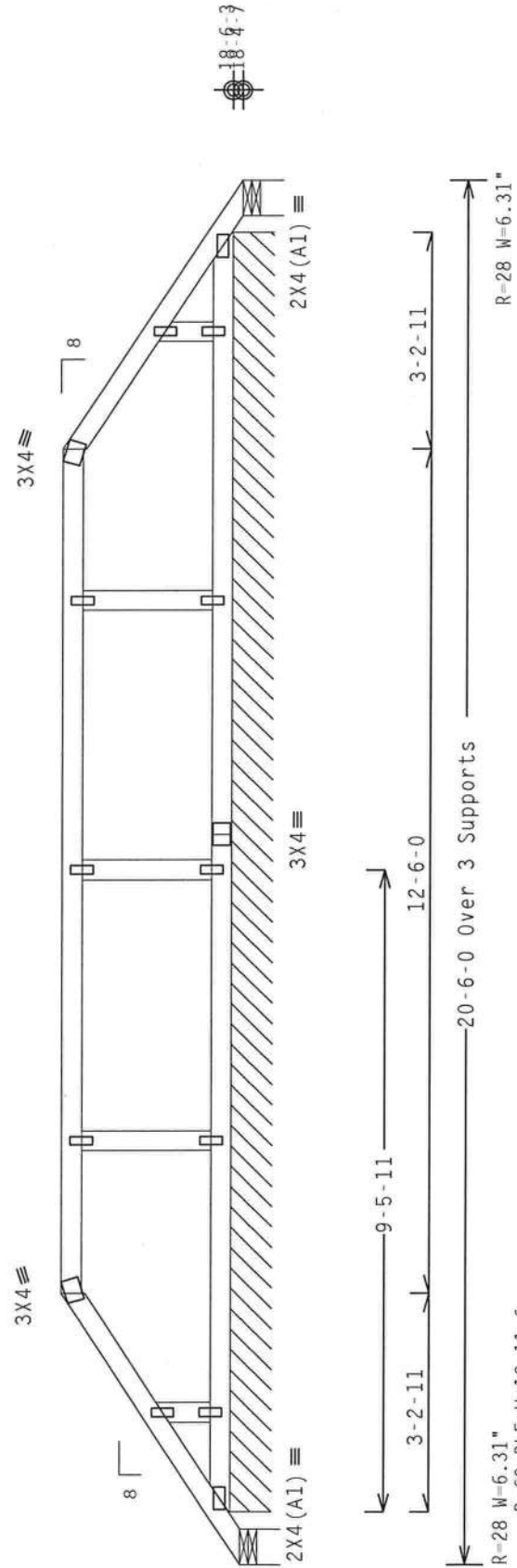
In lieu of structural panels or rigid ceiling use purlins to
brace all flat TC @ 24" OC, all BC @ 24" OC.

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

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 4.00
TC - From 64 PLF at 4.00 to 64 PLF at 16.50
TC - From 64 PLF at 16.50 to 64 PLF at 20.50
BC - From 4 PLF at 0.00 to 4 PLF at 20.50



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

QTY:1

Scale = .375"/Ft.

REF R8228- 18263

DATE 11/04/08

DRW HCUSR8228 08309032

HC-ENG JB/AP

SEQN- 109247

FROM AH

JREF- 1TMC8228Z05

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESIDENTIAL BUILDING COMPONENT SAFETY INFORMATION (RBCSI) PUBLISHED BY THE COUNCIL OF AMERICAN TRUSS 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. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI1. ITM BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/55/K) ASTM A653 GRADE 40/60 (4, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PER AMER AS OF TPI1-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

rtw Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 52212
J. B. BELL JR.
Nov 04 '08

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

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

110 mph wind, 19.04 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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

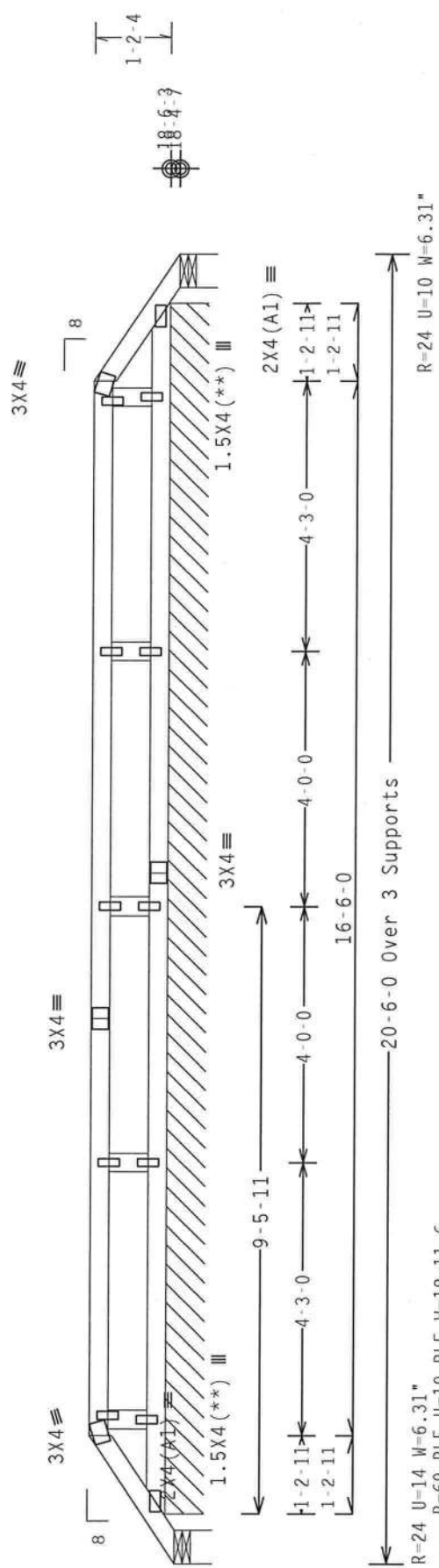
Refer to DWG PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 2.00
TC - From 64 PLF at 2.00 to 64 PLF at 18.50
TC - From 64 PLF at 18.50 to 64 PLF at 20.50
BC - From 4 PLF at 0.00 to 4 PLF at 20.50

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.



R=24 U=14 W=6.31"
R=69 PLF U=19 PLF W=18-11-6

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7.36.00

QTY:1

FL/-/4/-/R/-

Scale = .375" / Ft.

	TC LL	20.0 PSF	REF	R8228- 18264
	TC DL	10.0 PSF	DATE	11/04/08
	BC DL	10.0 PSF	DRW	HCUSR8228 08309029
	BC LL	0.0 PSF	HC-ENG	DF/DF
	TOT.LD.	40.0 PSF	SEQN-	109255
	DUR.FAC.	1.25	FROM	AH
SPACING			JREF-	1TMC8228Z05

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA 40-278

****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, 2318 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 2300 ENTERPRISE LANE, MADISON, MI 48371) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG HAS A DESIGN OF 2010/160A (4-10/55/9) ASTM A663 GRADE 40/60 (4, 4/7/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS. ANY INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PERFORMED BY A QUALIFIED PERSONNEL. THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLICIT FOR THE TRUSS 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.

TOP CHORD FILLER DETAIL

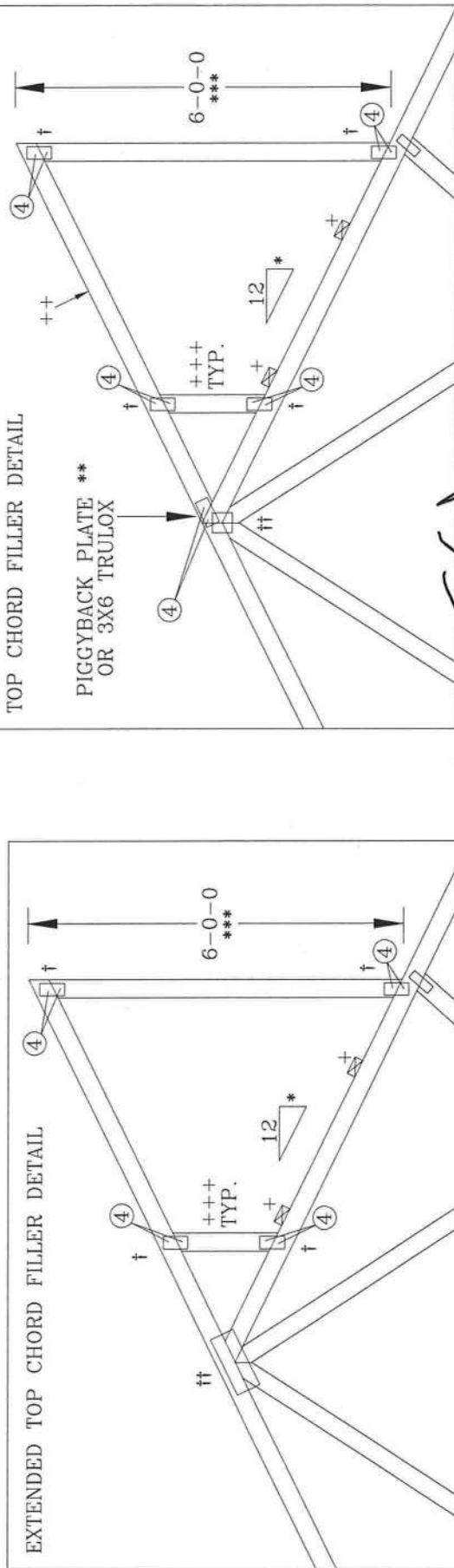
- + 2X4 CONTINUOUS LATERAL BRACING AT 24" O.C. MAXIMUM SPACING. ATTACH TO EACH TOP CHORD WITH (2) 16d COMMON (0.162"X 3.5" MIN) NAILS.
- BRACING MATERIAL TO BE SUPPLIED AND ATTACHED AT BOTH ENDS TO A SUITABLE SUPPORT BY ERECTION CONTRACTOR.
- ++ 2X4 SO. PINE #2 N OR SPF #1/#2 FILLER TOP CHORD.
- +++ 2X4 SO. PINE #3 OR SPF #1/#2 VERTICAL WEBS SPACED 48" OC MAXIMUM.
- * 8/12 MAXIMUM PITCH.
- ** 2X8.25 PIGGYBACK SPECIAL PLATE. SEE DRAWING PIGBACKB0699 FOR PIGGYBACK SPECIAL PLATE INFORMATION.

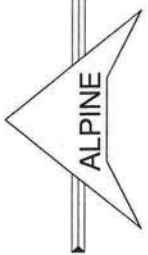
*** 6'0" MAXIMUM HEIGHT.

† W2X4 OR 3X6 TRULOX.

†† REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.

0.120"X 1.375" NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. NAILS SPECIFIED IN CIRCLES MUST BE APPLIED TO EACH FACE OF EACH TRUSS PLY. SEE DWG. 160TL FOR NAILING AND TRULOX PLATE REQUIREMENTS





ALPINE BUILDING COMPONENTS GROUP, INC.
POMPA BEACH, FLORIDA

THIS DRAWING REPLACES DRAWING 884.080

TC LL	MAX 30 PSF	REF	TC-FILLER
TC DL	MAX 15 PSF	DATE	2/23/07
BC DL	MAX 10 PSF	DRWG	TCFILLER0207
BC LL	0 PSF	-ENG	SJP/KAR
TOT. LD.	MAX 55 PSF		
DUR. FAC.	1.15 OR 1.33		
SPACING	24.0"		

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 STR., SUITE 312, ALEXANDRIA, VA, 22314) AND VTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. TV, BCG CONNECTOR PLATES ARE MADE UP 20/18/16GA CMH/SS/KO ASTH A653 GRADE 40/60 CMH/KH/SS. UNLESS OTHERWISE INDICATED, ALL TRUSSES SHALL BE DESIGNED, ENGINEERED, AND FABRICATED IN ACCORDANCE WITH THE DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF TRUSSES FILED BY SLP, PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

NOV 04

JAMES F. COLLINS, JR.
LICENSE No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

BOTTOM CHORD FILLER DETAIL

* OPTIONAL INTERIOR OR CANTILEVER BEARING. MINIMUM PLATE SIZES (1X3 WAVE) MAY BE USED IF BEARING IS OMITTED. WEDGE OR VERTICAL MEMBER MUST COINCIDE WITH BEARING LOCATION.

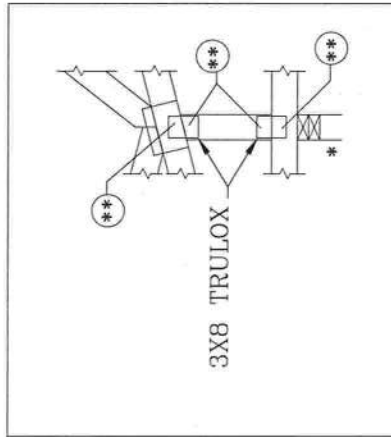
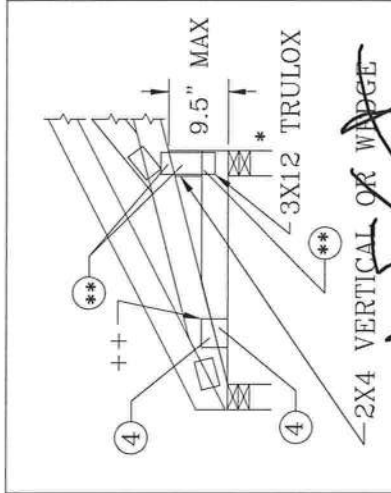
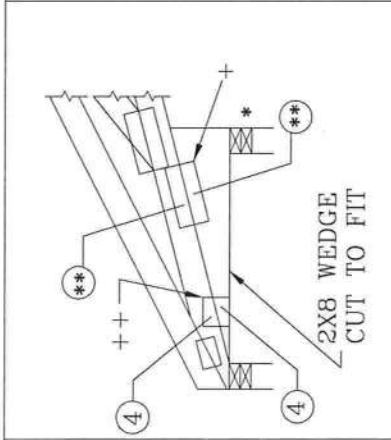
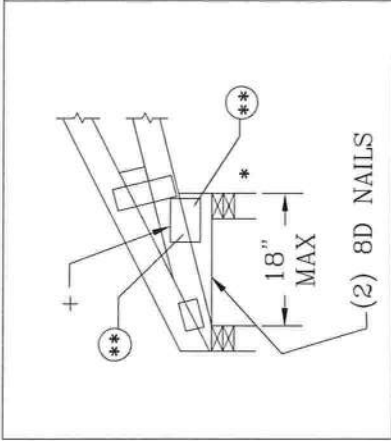
0.120" X 1.375", NAILS, REQUIRED FOR TRULOX PLATE ATTACHMENT. NAILS SPECIFIED IN CIRCLES MUST BE APPLIED TO EACH FACE OF THE TRUSS. SEE DWG. 160TL FOR NAILING AND TRULOX PLATE REQUIREMENTS

+ 3X4 WAVE OR 4X8 TRULOX
++ 2X4 WAVE OR 3X6 TRULOX

REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.

ALL TRULOX PLATES SHOWN ARE MINIMUMS. LARGER PLATES MAY BE REQUIRED TO ACCOMMODATE REQUIRED NAILS (**)

FILLER BOTTOM CHORD OR WEDGE SPECIES	MAXIMUM REACTION		MINIMUM BEARING AREA	** REQUIRED NAILS PER FACE WITH TRULOX PLATES					
	DOWNWARD	UPLIFT		1.00 D.O.L.	1.15 D.O.L.	1.25 D.O.L.	1.33 D.O.L.	1.60 D.O.L.	
DOUGLAS FIR-LARCH	3281#	1656#	1.5" X 3.5"	12	11	10	9	8	
HEM-FIR	2126#	1095#	1.5" X 3.5"	9	8	7	7	6	
SPRUCE-PINE-FIR	2231#	1192#	1.5" X 3.5"	10	9	8	8	6	
SOUTHERN PINE DENSE	3465#	1791#	1.5" X 3.5"	12	11	10	9	8	
SOUTHERN PINE	2966#	1492#	1.5" X 3.5"	10	9	8	8	7	
SOUTHERN PINE NON-DENSE	2520#	1343#	1.5" X 3.5"	9	8	7	7	6	



THIS DRAWING REPLACES DRAWINGS A115 A115/R & 884.132

 ALPINE ALPINE BUILDING COMPONENTS GROUP, INC. POMPAHO BEACH, FLORIDA	TC LL	—	PSF	REF	BC FILLER
	TC DL	—	PSF	DATE	2/23/07
	BC DL	10.0	PSF	DRWG	BCFILLER0207
	BC LL	—	PSF	—	ENG DLJ/KAR
	TOT. LD.	—	PSF		
DUR. FAC. 1.0/1.15/1.25/1.33					
SPACING 24.0"					

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIVITIES. UNDESIGNED AND UNBUILT TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA&P) AND TPI. ALL BOTTOM CHORD PLATES TO BE 2016/1616 (2X4/3X4) WITH A653 GRADE 40/60 (2X4/3X4) GALV. STEEL. APPLY PLATES TO EACH FACE OF CHORD. PER DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



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.

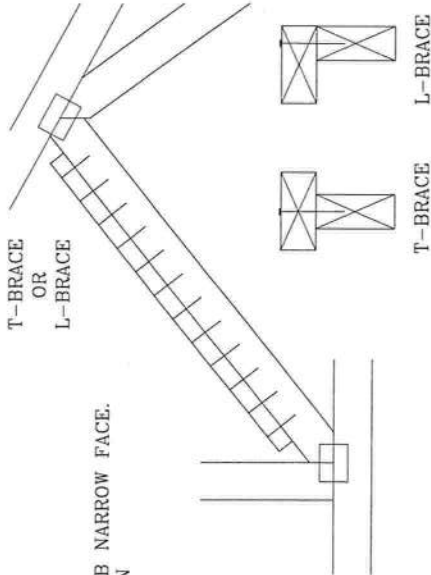
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING	SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4	2-2X4
2X6	1 ROW	2X4	1-2X6	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)	2-2X4(*)
2X8	1 ROW	2X6	1-2X8	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)	2-2X6(*)

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.

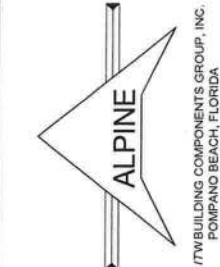
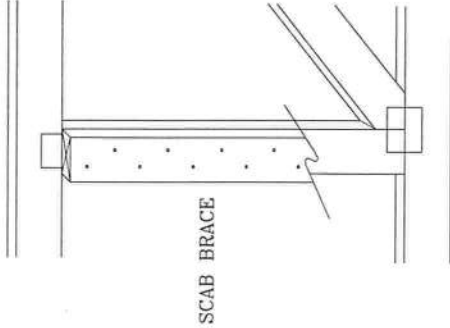
T-BRACING
OR
L-BRACING:

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



ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2100 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA C/H/SS/ASD ASTM A653 GRADE 40/60 C/H/SS. C/H/SS CONNECTOR PLATES ARE MADE OF 2018/16GA C/H/SS/ASD ASTM A653 GRADE 40/60 C/H/SS. DESIGN, POSITIONING PER BRACING IS PER TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

THIS DRAWING REPLACES DRAWING 579.640

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	BRLBSUB0207
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			



PIGGYBACK DETAIL

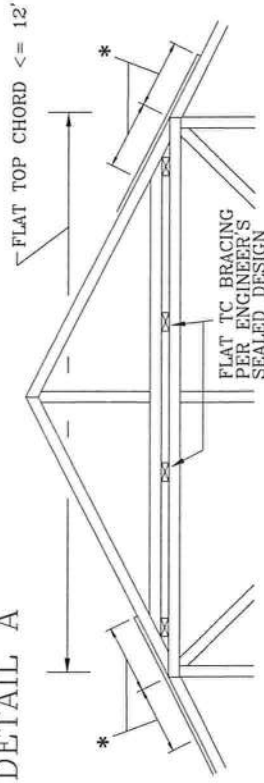
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02 OR ASCE 7-05, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

80 MPH WIND, 30.00 FT MEAN HGT, SBC, ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

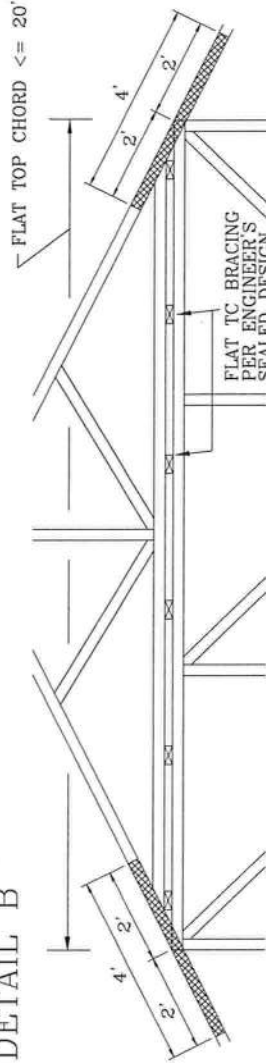
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATELY BRACED BY SHEATHING OR PURLINS. PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

DETAIL A

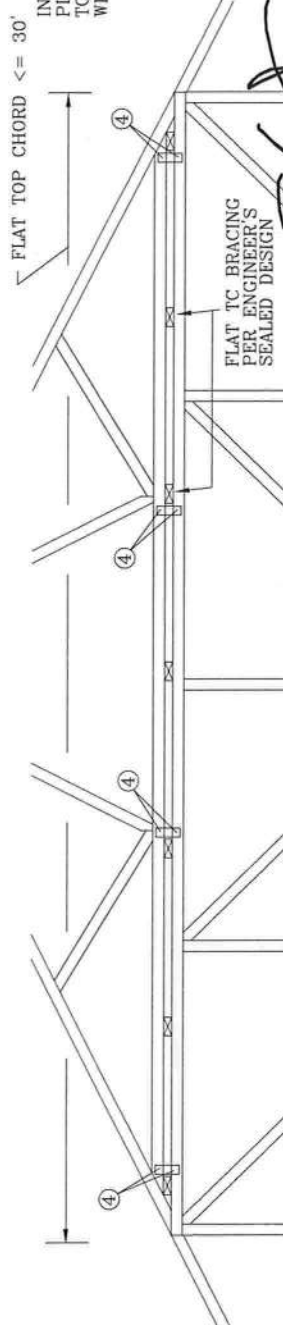


DETAIL B



DETAIL C

CAP TRUSS TOENAILED TO TOP CHORD BRACING AND SECURED WITH 3X8 TRULOX PLATES (EACH FACE) AT EACH END AND AT 1/3 POINTS. CIRCLED NUMBER INDICATES REQUIRED NUMBER OF 0.120" X 1.375" NAILS PER FACE. SEE DRAWING 160TL FOR TRULOX INFORMATION.



THIS DRAWING REPLACES DRAWINGS 581,670 & 961,860

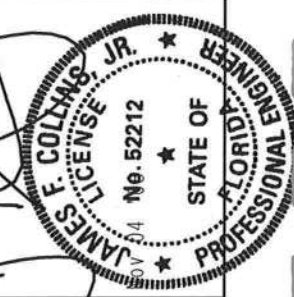
ITV BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

ALPINE

ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATING FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH TPI OR APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ITV, BCG CONNECTOR PLATES ARE MADE OF 2018/166A C4/H/SS/ASD ASTM A653 GRADE 40/60 (40/60 C4/H/SS) DESIGN. RESISTION PER TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATING FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH TPI OR APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ITV, BCG CONNECTOR PLATES ARE MADE OF 2018/166A C4/H/SS/ASD ASTM A653 GRADE 40/60 (40/60 C4/H/SS) DESIGN. RESISTION PER TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

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



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

PIGGYBACK DETAIL

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

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

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

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

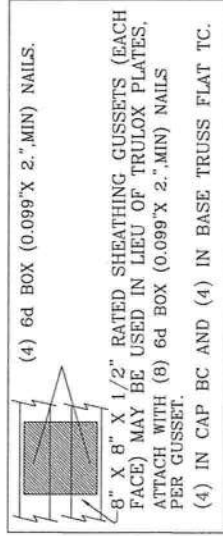
REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

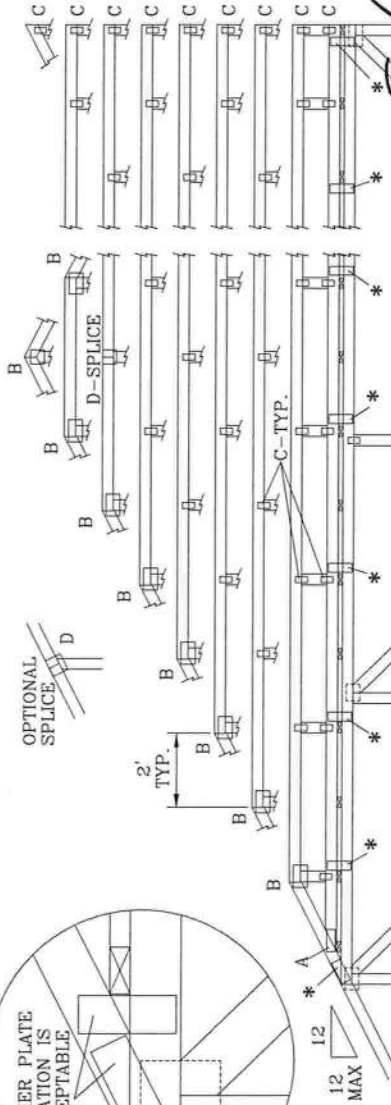
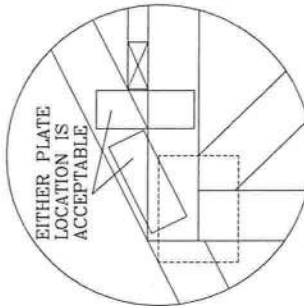
130 MPH WIND, 30' MEAN HGT, ASCE 7-98, ASCE 7-02 OR
ASCE 7-05, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II,
EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

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

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



MAX SIZE OF 2X12
#2 OR BETTER



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

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

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REF	PIGGYBACK
DATE	2/23/07
DRWG	PIGBACKB0207
-ENG	DLJ/KAR
MAX LOADING	55 PSF AT 1.33 DUR. FAC.
50 PSF AT 1.25 DUR. FAC.	
47 PSF AT 1.15 DUR. FAC.	
SPACING	24.0"

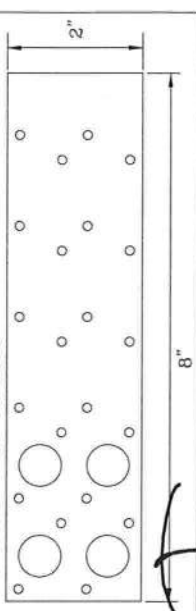
THIS DRAWING REPLACES DRAWINGS 634.016 634.017 & 847.045



WEB LENGTH	WEB BRACING CHART
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d BOX (0.113"X 2.5" MIN) NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135"X 3.5" MIN) NAILS AT 4" OC

* PIGGYBACK SPECIAL PLATE

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



BOTTOM CHORD FILLER REPAIR

RECOMMENDED REPAIR PROCEDURE

1. MEASURE DISTANCE FOR NEW LENGTH OF FILLER.
2. APPLY NEW 2X4 STUD GRADE OR BETTER VERTICAL SCAB TO BOTTOM CHORD AND FILLER WITH (3) NAILS 0.131" DIA. x 3.0" OR LARGER, (I.E. 10d OR 16d COMMON, SINKER, GUN, OR 16d BOX NAILS) TO EACH END OF VERTICAL.
3. CAREFULLY REMOVE EFFECTED CONNECTOR PLATES. USE CARE NOT TO DAMAGE THE REMAINING CONNECTOR PLATES OR LUMBER IN ANY WAY.
4. TRIM FILLER TO LENGTH, AT EDGE OF NEW VERTICAL SCAB.

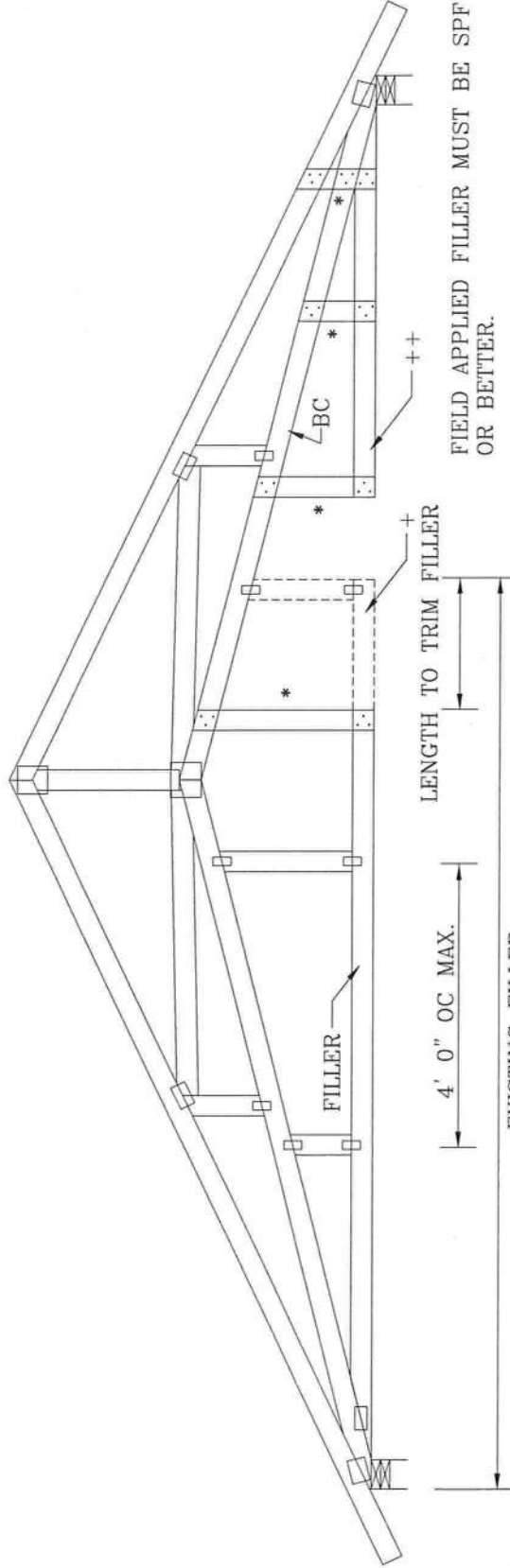
MAXIMUM BOTTOM CHORD LOAD IS 10 PSF.

+ BOTTOM CHORD FILLER TO BE REMOVED. SEE NOTE #3.

++ FIELD APPLIED FILLER.

* 2X4 STUD GRADE OR BETTER VERTICAL SCAB. ATTACH TO BOTTOM CHORD AND FILLER WITH (3) NAILS WITH A MIN. 0.131" DIA. X 3.0" LENGTH.

REFER TO ENGINEER'S SEALED DESIGN REFERRING THIS DETAIL FOR ALLOWABLE FILLER DIMENSIONS, PLACEMENT, AND WEBBING.



EXISTING FILLER

THIS DRAWING REPLACES DRAWING 962,767

REF	BC FILLER REP.
DATE	2/23/07
DRWG	REPBCFIL0207
-ENG	MLH/KAR

****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 STR., SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW 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 A&P) AND TPI. ITW, BCG CONNECTOR PLATES ARE MADE OF 2018/16GA C/J/H/SS/AO ASTM A653 GRADE 40/60 (C/J/A/H/SS) PER TPI SPECIFICATION PER DRAWINGS 1607Z, 1608Z, 1609Z, 1610Z, 1611Z, 1612Z, 1613Z, 1614Z, 1615Z, 1616Z, 1617Z, 1618Z, 1619Z, 1620Z, 1621Z, 1622Z, 1623Z, 1624Z, 1625Z, 1626Z, 1627Z, 1628Z, 1629Z, 1630Z, 1631Z, 1632Z, 1633Z, 1634Z, 1635Z, 1636Z, 1637Z, 1638Z, 1639Z, 1640Z, 1641Z, 1642Z, 1643Z, 1644Z, 1645Z, 1646Z, 1647Z, 1648Z, 1649Z, 1650Z, 1651Z, 1652Z, 1653Z, 1654Z, 1655Z, 1656Z, 1657Z, 1658Z, 1659Z, 1660Z, 1661Z, 1662Z, 1663Z, 1664Z, 1665Z, 1666Z, 1667Z, 1668Z, 1669Z, 1670Z, 1671Z, 1672Z, 1673Z, 1674Z, 1675Z, 1676Z, 1677Z, 1678Z, 1679Z, 1680Z, 1681Z, 1682Z, 1683Z, 1684Z, 1685Z, 1686Z, 1687Z, 1688Z, 1689Z, 1690Z, 1691Z, 1692Z, 1693Z, 1694Z, 1695Z, 1696Z, 1697Z, 1698Z, 1699Z, 1700Z, 1701Z, 1702Z, 1703Z, 1704Z, 1705Z, 1706Z, 1707Z, 1708Z, 1709Z, 1710Z, 1711Z, 1712Z, 1713Z, 1714Z, 1715Z, 1716Z, 1717Z, 1718Z, 1719Z, 1720Z, 1721Z, 1722Z, 1723Z, 1724Z, 1725Z, 1726Z, 1727Z, 1728Z, 1729Z, 1730Z, 1731Z, 1732Z, 1733Z, 1734Z, 1735Z, 1736Z, 1737Z, 1738Z, 1739Z, 1740Z, 1741Z, 1742Z, 1743Z, 1744Z, 1745Z, 1746Z, 1747Z, 1748Z, 1749Z, 1750Z, 1751Z, 1752Z, 1753Z, 1754Z, 1755Z, 1756Z, 1757Z, 1758Z, 1759Z, 1760Z, 1761Z, 1762Z, 1763Z, 1764Z, 1765Z, 1766Z, 1767Z, 1768Z, 1769Z, 1770Z, 1771Z, 1772Z, 1773Z, 1774Z, 1775Z, 1776Z, 1777Z, 1778Z, 1779Z, 1780Z, 1781Z, 1782Z, 1783Z, 1784Z, 1785Z, 1786Z, 1787Z, 1788Z, 1789Z, 1790Z, 1791Z, 1792Z, 1793Z, 1794Z, 1795Z, 1796Z, 1797Z, 1798Z, 1799Z, 1800Z, 1801Z, 1802Z, 1803Z, 1804Z, 1805Z, 1806Z, 1807Z, 1808Z, 1809Z, 1810Z, 1811Z, 1812Z, 1813Z, 1814Z, 1815Z, 1816Z, 1817Z, 1818Z, 1819Z, 1820Z, 1821Z, 1822Z, 1823Z, 1824Z, 1825Z, 1826Z, 1827Z, 1828Z, 1829Z, 1830Z, 1831Z, 1832Z, 1833Z, 1834Z, 1835Z, 1836Z, 1837Z, 1838Z, 1839Z, 1840Z, 1841Z, 1842Z, 1843Z, 1844Z, 1845Z, 1846Z, 1847Z, 1848Z, 1849Z, 1850Z, 1851Z, 1852Z, 1853Z, 1854Z, 1855Z, 1856Z, 1857Z, 1858Z, 1859Z, 1860Z, 1861Z, 1862Z, 1863Z, 1864Z, 1865Z, 1866Z, 1867Z, 1868Z, 1869Z, 1870Z, 1871Z, 1872Z, 1873Z, 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2017Z, 2018Z, 2019Z, 2020Z, 2021Z, 2022Z, 2023Z, 2024Z, 2025Z, 2026Z, 2027Z, 2028Z, 2029Z, 2030Z, 2031Z, 2032Z, 2033Z, 2034Z, 2035Z, 2036Z, 2037Z, 2038Z, 2039Z, 2040Z, 2041Z, 2042Z, 2043Z, 2044Z, 2045Z, 2046Z, 2047Z, 2048Z, 2049Z, 2050Z, 2051Z, 2052Z, 2053Z, 2054Z, 2055Z, 2056Z, 2057Z, 2058Z, 2059Z, 2060Z, 2061Z, 2062Z, 2063Z, 2064Z, 2065Z, 2066Z, 2067Z, 2068Z, 2069Z, 2070Z, 2071Z, 2072Z, 2073Z, 2074Z, 2075Z, 2076Z, 2077Z, 2078Z, 2079Z, 2080Z, 2081Z, 2082Z, 2083Z, 2084Z, 2085Z, 2086Z, 2087Z, 2088Z, 2089Z, 2090Z, 2091Z, 2092Z, 2093Z, 2094Z, 2095Z, 2096Z, 2097Z, 2098Z, 2099Z, 2100Z, 2101Z, 2102Z, 2103Z, 2104Z, 2105Z, 2106Z, 2107Z, 2108Z, 2109Z, 2110Z, 2111Z, 2112Z, 2113Z, 2114Z, 2115Z, 2116Z, 2117Z, 2118Z, 2119Z, 2120Z, 2121Z, 2122Z, 2123Z, 2124Z, 2125Z, 2126Z, 2127Z, 2128Z, 2129Z, 2130Z, 2131Z, 2132Z, 2133Z, 2134Z, 2135Z, 2136Z, 2137Z, 2138Z, 2139Z, 2140Z, 2141Z, 2142Z, 2143Z, 2144Z, 2145Z, 2146Z, 2147Z, 2148Z, 2149Z, 2150Z, 2151Z, 2152Z, 2153Z, 2154Z, 2155Z, 2156Z, 2157Z, 2158Z, 2159Z, 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3161Z, 3162Z, 3163Z, 3164Z, 3165Z, 3166Z, 3167Z, 3168Z, 3169Z, 3170Z, 3171Z, 3172Z, 3173Z, 3174Z, 3175Z, 3176Z, 3177Z, 3178Z, 3179Z, 3180Z, 3181Z,

2X4 GABLE VERTICAL SPACING		BRACE		NO BRACES	(1) 1X4 "L" BRACE •				(1) 2X4 "L" BRACE •				(2) 2X4 "L" BRACE ••				(1) 2X6 "L" BRACE •				(2) 2X6 "L" BRACE •			
		GRADE	#1 / #2		GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B		
12" O.C.	SPF	#1 / #2		3' 4"	5' 10"	6' 0"	6' 11"	7' 1"	8' 3"	8' 6"	8' 6"	10' 10"	11' 2"	12' 11"	13' 3"									
	HF	#3		3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"										
	STUD		3' 3"	4' 11"	4' 11"	6' 5"	6' 5"	8' 3"	8' 3"	10' 0"	10' 0"	12' 11"	12' 11"											
24" O.C.	SP	STANDARD		3' 3"	4' 2"	4' 2"	5' 6"	5' 6"	7' 5"	7' 5"	8' 8"	11' 8"	11' 8"											
	SP	#1		3' 8"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	12' 11"	13' 11"											
	DFL	#2		3' 7"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	12' 11"	13' 11"											
	SP	#3		3' 6"	5' 0"	5' 0"	6' 8"	6' 8"	8' 3"	8' 3"	10' 4"	10' 4"	12' 11"	13' 7"										
	DFL	STUD		3' 6"	5' 0"	5' 0"	6' 7"	6' 7"	8' 3"	8' 3"	10' 3"	10' 3"	12' 11"	13' 7"										
	STANDARD		3' 4"	4' 3"	4' 3"	5' 8"	5' 8"	7' 8"	7' 8"	8' 10"	8' 10"	12' 0"	12' 0"											
16" O.C.	SPF	#1 / #2		3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 5"	12' 5"	12' 9"	14' 0"	14' 0"										
	HF	#3		3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"										
	STUD	STANDARD		3' 9"	5' 2"	5' 2"	6' 10"	6' 10"	9' 2"	9' 2"	10' 7"	10' 7"	14' 0"	14' 0"										
	SP	#1		4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"										
	SP	#2		4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"										
	DFL	#3		4' 0"	6' 2"	6' 2"	7' 11"	8' 2"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"										
12" O.C.	DFL	STUD		4' 0"	6' 1"	6' 1"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"										
	SPF	STANDARD		3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"										
	HF	#1 / #2		4' 3"	7' 4"	7' 7"	8' 9"	8' 11"	10' 5"	10' 8"	13' 8"	14' 0"	14' 0"	14' 0"										
	SP	#3		4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"										
	DFL	STUD		4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"										
	STANDARD		4' 2"	5' 11"	5' 11"	7' 10"	7' 10"	10' 5"	10' 5"	12' 3"	12' 3"	14' 0"	14' 0"											
12" O.C.	SP	#1		4' 8"	7' 4"	7' 11"	8' 9"	9' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"										
	DFL	#2		4' 7"	7' 4"	7' 11"	8' 9"	9' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"										
	SP	#3		4' 4"	7' 2"	7' 2"	8' 9"	9' 2"	10' 5"	10' 11"	13' 8"	14' 0"	14' 0"	14' 0"										
12" O.C.	DFL	STUD		4' 4"	7' 1"	7' 1"	8' 9"	9' 2"	10' 5"	10' 11"	13' 8"	14' 0"	14' 0"	14' 0"										
	SPF	STANDARD		4' 3"	6' 1"	6' 1"	8' 0"	8' 0"	10' 5"	10' 8"	12' 6"	14' 0"	14' 0"	14' 0"										

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 135 PLF OVER
CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0"

OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

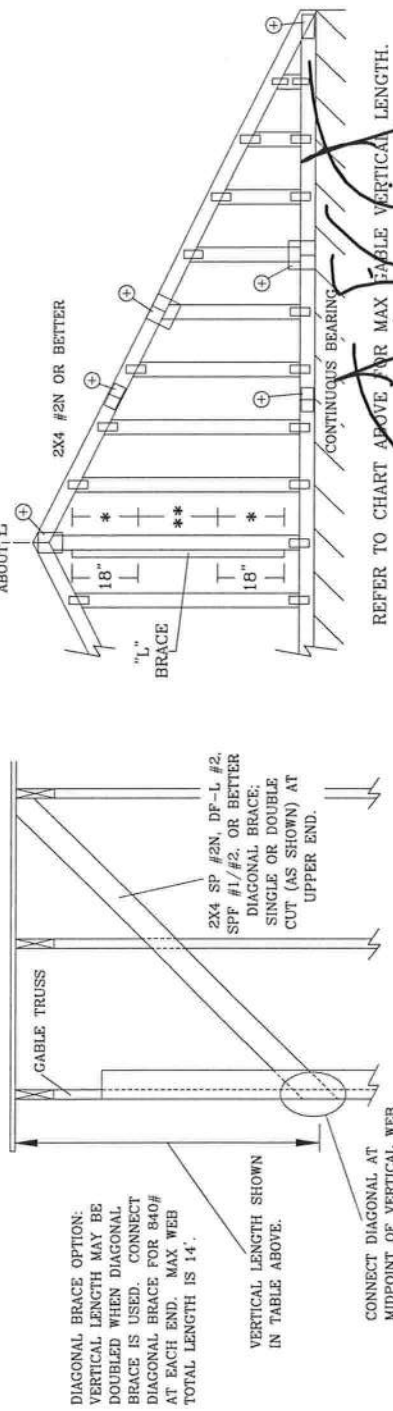
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

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

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPIUCE
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, SPIUCE, AND HEEL PLATES



REFER TO CHART ABOVE FOR MAX. TABLE VERTICAL LENGTH.

*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE FOLLOWING INFORMATION FOR THE PROPER BRACING OF TRUSSES TO PREVENT BUCKLING. AMERICA, 2108 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22304 AND WICA (WOOD TRUSS) COUNCIL OF NORTH AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

*****IMPORTANT***** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGN OF THE BRACING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGN OF THE BRACING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGN OF THE BRACING.

DESIGN CONFORMANCE WITH TPI: FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF AISC 360:10 DESIGN SPEC. BY A7&P2 AND TPI. ITV, STEEL CONNECTOR PLATES ARE MADE OF 2018/16GA C/V/H/SS/A325M 40/60 C/V/H/SS3. GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, INSTALLATION PERFORMING INSPECTION OF PLATES FOLLOWED BY CD SHALL BE PERMITTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND 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 ANSII/TPI 1 SEC. 2.

REF: ASCE7-02-CABI3015
DATE: 2/23/07

DRWG: A13015EE0207
-ENG

MAX. TOT. LD. 60 PSF

MAX. SPACING 2'-0"

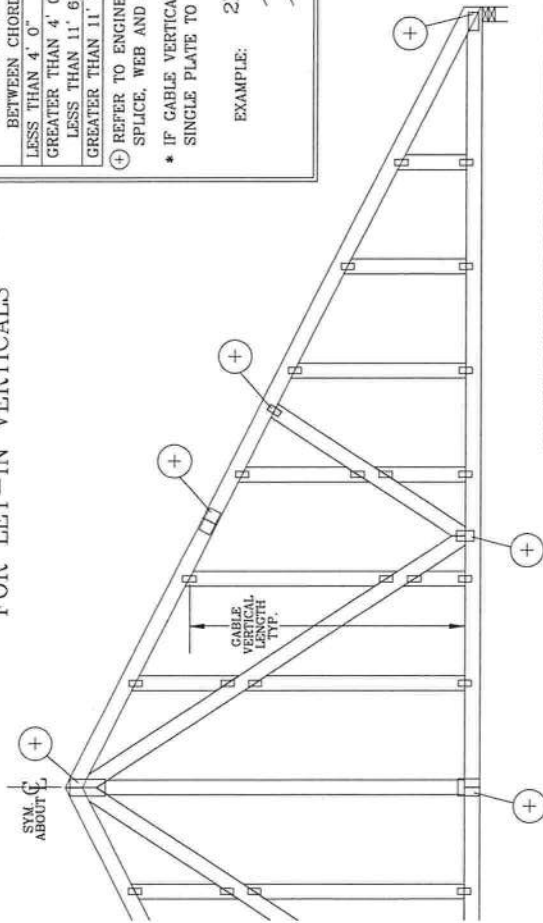


ALPINE

BUILDING COMPONENTS GROUP, INC.

POMPAHO BEACH, FLORIDA

GABLE DETAIL FOR LET-IN VERTICALS

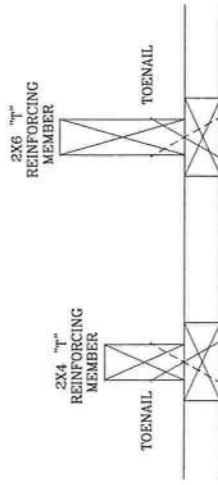


GABLE VERTICAL PLATE SIZES

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

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPURCE, WEB AND HEEL PLATES.

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



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

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

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	40 %
30 FT	2x6	0 %	20 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT

GABLE VERTICAL = 24" O.C. SP #3

"T" REINFORCING MEMBER SIZE = 2X4

"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10

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

MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH

1.10 x 6' 7" = 7' 3"

PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

HAND DRIVEN NAILS:

10d COMMON (0.148" X 3.1" MIN) TOENAILS AT 4" O.C. PLUS

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

GUN DRIVEN NAILS:

8d COMMON (0.131" X 2.5" MIN) TOENAILS AT 4" O.C. PLUS

(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE

OR SBCCI WIND LOAD.

ASCE 7-93 GABLE DETAIL DRAWINGS

A1015EN0207, 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

A13015EE0207, A12015EE0207, A11015EE0207, A10015EE0207, A08015EE0207,

A13030EE0207, A12030EE0207, A11030EE0207, A10030EE0207, A08030EE0207,

ASCE 7-05 GABLE DETAIL DRAWINGS

A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08015E50207,

A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08030E50207,

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI

WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE

VERTICAL LENGTH.

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

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BRACE THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. TPI'S BEST CONNECTION PLATES ARE ENGINEERED TO MEET THE REQUIREMENTS OF THE TPI DESIGN. TPI'S BEST CONNECTION PLATES ARE ENGINEERED TO MEET THE REQUIREMENTS OF THE TPI DESIGN. POSITION PER DRAWING 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

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

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

REF LET-IN VERT

DATE 2/23/07

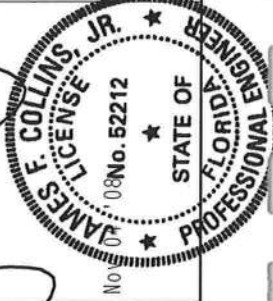
DRWG GBLLETTIN0207

-ENG DLJ/KAR

MAX TOT. LD. 60 PSF

DUR. FAC. ANY

MAX SPACING 24.0"



(**) 2X4 SO. PINE #3 GABLE STUDS. ATTACH TO TOP CHORD, DIAGONAL WEBS, AND BOTTOM CHORD WITH W2X4 ALPINE PLATES. ALL (**) GABLE STUDS REQUIRED REINFORCING MEMBER. REINFORCING MEMBER MUST BE TOENAILED TO GABLE STUD WITH 0.131"X3" GUN NAILS AT 4" O.C. PLUS A CLUSTER OF 0.131"X3" TOENAILS AT THE TOP AND BOTTOM CHORD. SEE DETAIL FOR NAILING. SEE CHART FOR STUD BRACING AND SPACING OF VERTICALS.

NOTE: TRUSS ERECTOR IS RESPONSIBLE FOR PERMANENT WEB BRACING. WHEN BRACING IS REQUIRED, FURNISH A COPY OF THIS DRAWING TO TRUSS ERECTOR.

+PLATE AS REQUIRED ON APPROPRIATE DRAWING.

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO DESIGN THE ROOF AND CEILING DIAPHRAGMS AND SPECIFY CONNECTIONS TO TRANSFER ALL OUT-OF-PLANE LOADS INTO THE ROOF AND CEILING DIAPHRAGMS.

NOTE: NAIL STEPS OF LADDER TRUSS ONTO THE OUTSIDE PIECES WITH 2-16D NAILS AT EACH END.

NOTE: ATTACH LADDER TRUSS TO TOP CHORD OF GABLE TRUSS WITH TWO ROWS OF 16D NAILS @ 8" O.C. STAGGERED 4"

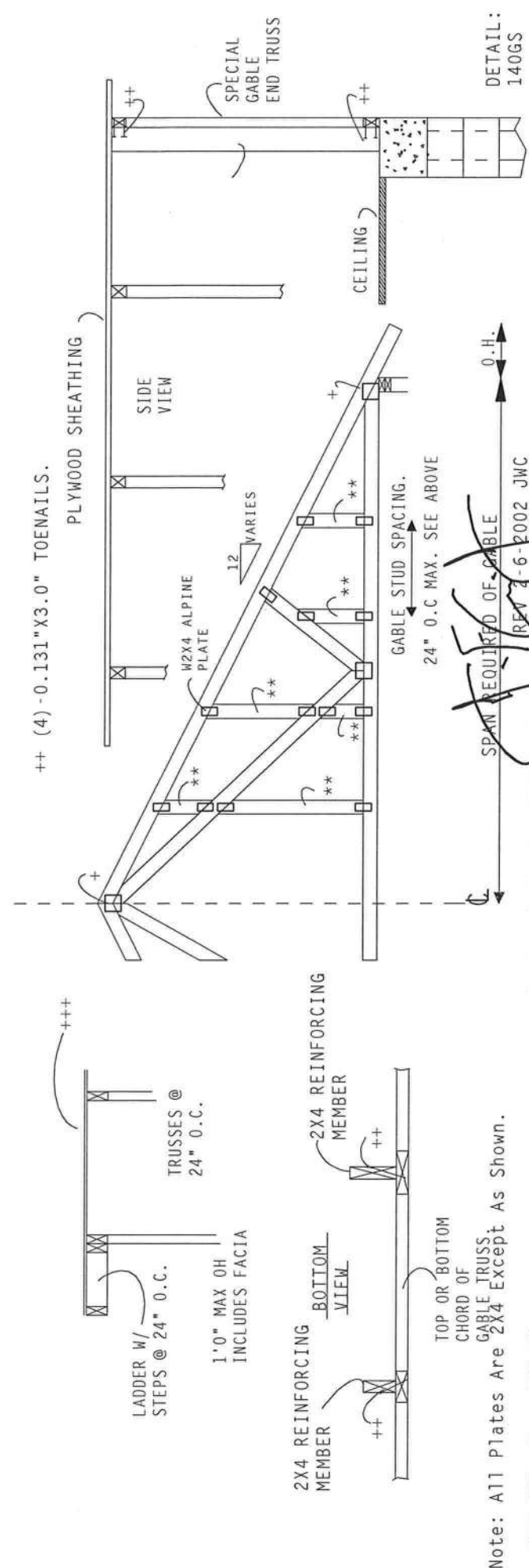
+++ 7/16" MINIMUM APA RATED SHEATHING PROPERLY ATTACHED WITH LONG DIMENSION PERPENDICULAR TO SUPPORTS.

R2: REVISED FOR ASCE 7-02

DLJ 09/30/2005

R3: REVISED DIAPHRAGM NOTE.

DLJ 02/27/2006



PLT TYP. Wave TPI-95

Note: All Plates Are 2x4 Except As Shown.

Design Criteria: TPI (STD)

REV 2-6-2002 JWC

HI/-1/-1/-R/-

Scale = .3125"/Ft.

REF	R001--0	TC LL	30.0 PSF
DATE	03/27/02	TC DL	15.0 PSF
DRW	HCUSR001 02086012	BC DL	10.0 PSF
HC-ENG	DLJ/DLJ	BC LL	0.0 PSF
SEQN	- 24104	TOT.LD.	55.0 PSF
FROM	HC	DUR.FAC.	1.33
JREF	- 1SV3001_R03		

ALPINE

Alpine Engineered Products, Inc.
Haines City, FL 33844

FL Certificate of Authorization # 567

JAMES T. DOLLINS, JR.
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ALPINE ENGINEERED PRODUCTS, 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 BDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CORRELATION PLATES ARE MADE OF 20/18/10/6GA (W/H/S/F) ASTM A553 GRADE 40/60 (W. K/H/S) GALV. STEEL. ANY INSPECTION OF PLATES FOR LOUDED BUILT UP JOINTS SHALL BE DONE BY THE TRUSS ERECTOR. THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS ERECTOR. THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.