

APPLICANT

SAMANTHA HARRINGTON

PHONE

386.719.7143

ADDRESS

125SW MIDTOWN PLACE, STE. 101

LAKE CITY

FL

32025

OWNER

SURESH & DAXA PATEL

PHONE

ADDRESS

293SW 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 Cash11309

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power

Foundation

Monolithic

date/app. by

date/app. by

date/app. by

Under slab rough-in plumbing

Slab

Sheathing/Nailing

date/app. by

date/app. by

date/app. by

Framing

Rough-in plumbing above slab and below wood floor

date/app. by

date/app. by

Electrical rough-in

Heat & Air Duct

Peri. beam (Lintel)

date/app. by

date/app. by

date/app. by

Permanent power

C.O. Final

Culvert

date/app. by

date/app. by

date/app. by

M/H tie downs, blocking, electricity and plumbing

Pool

date/app. by

date/app. by

date/app. by

Reconnection

Pump pole

Utility Pole

date/app. by

date/app. by

date/app. by

M/H Pole

Travel Trailer

Re-roof

date/app. by

date/app. by

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 32085

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 Roseview 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.

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 Patel

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 284 US 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)

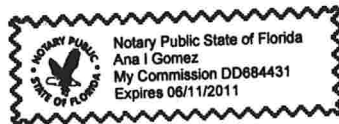
[Signature] (SEAL)
Grantor
RONNIE EARL WILLIAMS
Printed Name

[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"

54'-3"
S

152'-1"
T

25'-4"



95'-4"

95'-4"

15'-0" REAR SETBACK

233.21'

54'-7"
B

93'-5"

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			
a. Slab-On-Grade Edge Insulation	R=5.0, 335.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 80.0 gallons
c. N/A			EF: 0.90
9. Wall types		b. N/A	
a. Concrete, Ext Insul, Exterior	R=5.0, 2707.4 ft²	c. Conservation credits	
b. Frame, Wood, Adjacent	R=13.0, 156.0 ft²	(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	PT,
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 3264.0 ft²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
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 X Points	System = Multiplier	Heating Points		Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)				
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				

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

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

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
4		2635.00	10540.0	80.0	0.90	4		1.00	2693.56 1.00 10774.2
				As-Built Total:					10774.2

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
12988		16417	10540 39945	11443		13597	10774 35815

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. Conservation credits	___
c. N/A		___	(HR-Heat recovery, Solar	___
d. N/A		___	DHP-Dedicated heat pump)	___
e. N/A		___	15. HVAC credits	PT, ___
10. Ceiling types		___	(CF-Ceiling fan, CV-Cross ventilation,	___
a. Under Attic	R=30.0, 3264.0 ft ²	___	HF-Whole house fan,	___
b. N/A		___	PT-Programmable Thermostat,	___
c. N/A		___	MZ-C-Multizone cooling,	___
11. Ducts(Leak Free)		___	MZ-H-Multizone heating)	___
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 311.0 ft	___		___
b. N/A		___		___

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

Builder Signature: _____ Date: _____

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



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

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCPB v4.5.2)

Energy Code Compliance

Duct System Performance Report

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

Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25 _(tot)	_____ cfm25 _(out)
2	System2	_____ cfm25 _(tot)	_____ cfm25 _(out)
3	System3	_____ cfm25 _(tot)	_____ cfm25 _(out)
4	System4	_____ cfm25 _(tot)	_____ cfm25 _(out)
5	Total House Duct System Leakage	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,tot}) ☐ Receive credit if Q _{n,tot} ≤ 0.03	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,out}) ☐ Receive credit if Q _{n,out} ≤ 0.03 AND Q _{n,tot} ≤ 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			
CEILINGS	#	Ceiling Type	R-Val	Area	Base Area	Units		
	1	Under Attic	30.0	3264.0 ft²	3109.0 ft²	1		
WALLS	#	Wall Type	Location	R-Val	Area	Units		
	1	Concrete Block - Ext Insul	Exterior	5.0	2707.4 ft²	1		
WINDOWS	#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
	1	Double	Clear	E	21.0 ft²	1.5 ft	10.0 ft	3
DOORS	#	Door Type	Orientation	Area	Units			
	1	Insulated	Exterior	20.0 ft²	1			
COOLING	#	System Type	Efficiency	Capacity				
	1	Central Unit	SEER: 13.00	77.0 kBtu/hr				
HEATING	#	System Type	Efficiency	Capacity				
	1	Electric Heat Pump	HSPF: 7.70	77.0 kBtu/hr				
DUCTS	#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length		
	1	Uncond.	Uncond.	Garage	6.0	311.0 ft		
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				
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:			

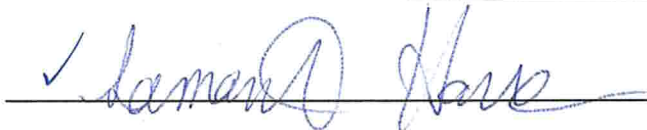
Columbia County Building Department Culvert Permit

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

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

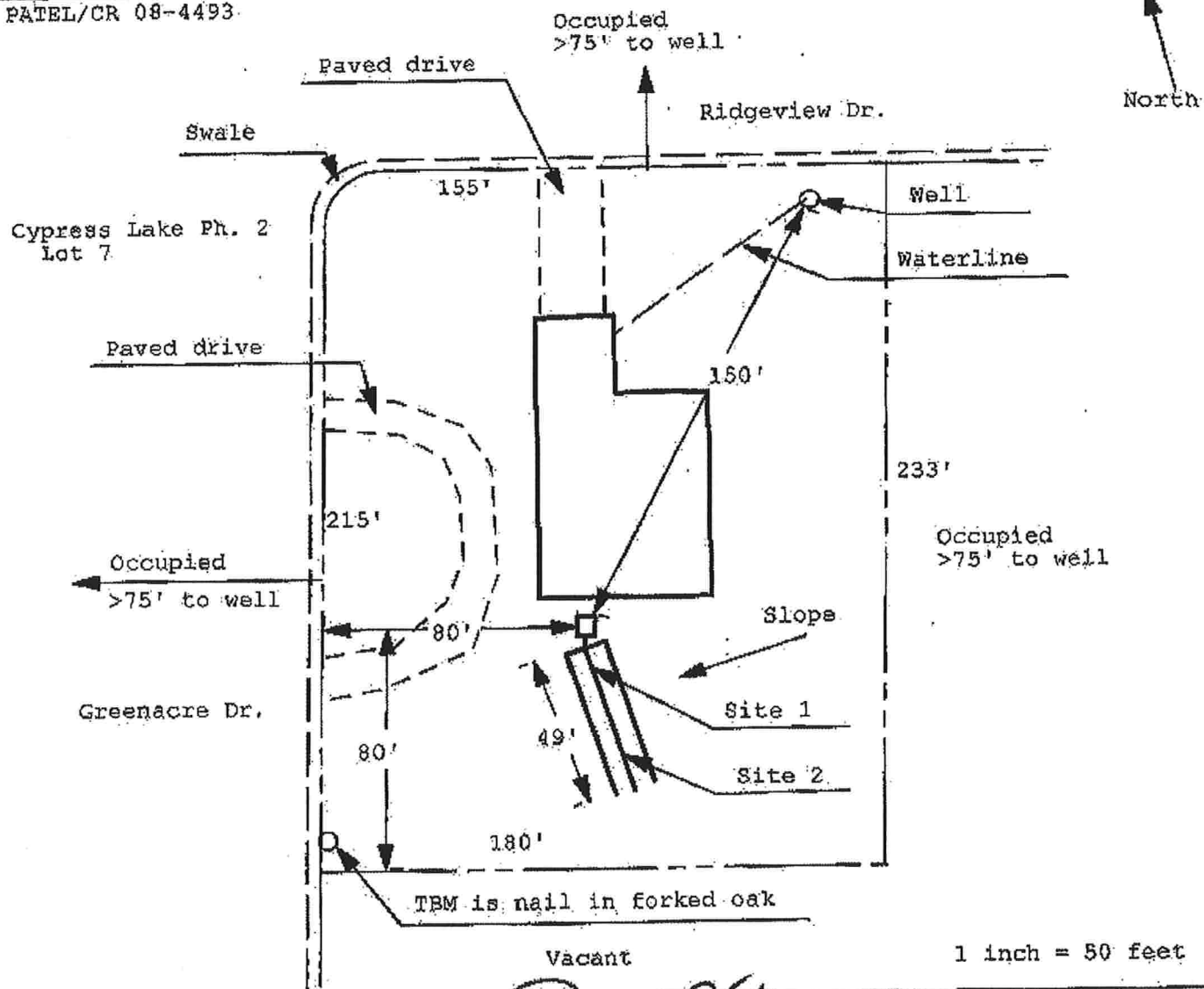
3867582187

2/ 2

**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. PatelDate 10/19/08Plan Approved ☒Not Approved ☐Date 11-12-08By 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 7-8-00
FEE PAID \$ 7-7288
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: 3/4 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
 Climate: North

Lake City, FL 32025-

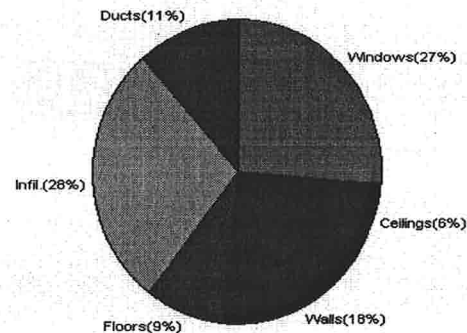
11/19/2008

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)

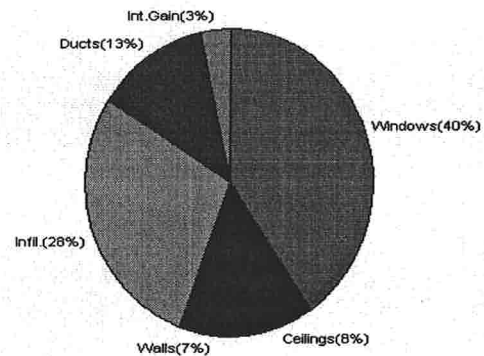
Load component		Load	
Window total	502 sqft	16145	Btuh
Wall total	2863 sqft	11226	Btuh
Door total	20 sqft	259	Btuh
Ceiling total	3264 sqft	3846	Btuh
Floor total	335 sqft	5479	Btuh
Infiltration	415 cfm	16791	Btuh
Duct loss		6966	Btuh
Subtotal		60713	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		60713	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® FLRCPB v4.5.2

EnergyGauge® System Sizing

PREPARED BY: _____

DATE: _____

11/19/08

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

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=		
	Natural	0.80 31090	2863	414.5		16791 Btuh
Ductload	(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

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=	Load
	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	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 - 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
Lake City, FL 32025-

Project Title:
Isaac Construction - Suresh & Daxa Patel

Code Only
Professional Version
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

Isaac Construction - Suresh & Daxa Patel

Professional Version

Lake City, FL 32025-

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/m²), to be used for the design of exterior component and cladding materials not specifiically 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 fire 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	Rainor	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

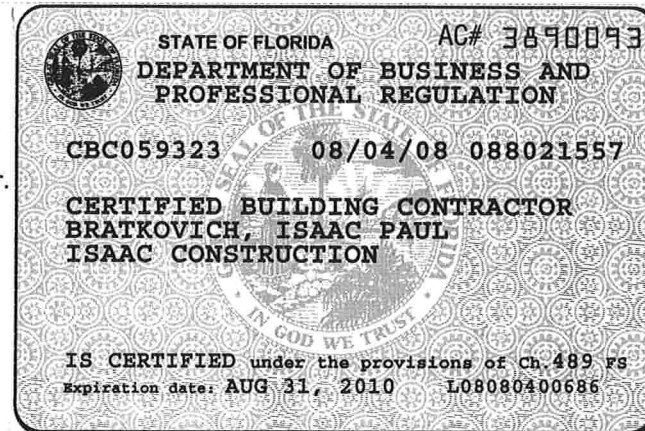
Work- 386-719-7143
Fax- 386-719-4757
Email- samantha@isaacconstruction.com
www.isaacconstruction.com

**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
Lake City, FL 32025-

Project Title:
Isaac Construction - Suresh & Daxa Patel

Code Only
Professional Version
Climate: North

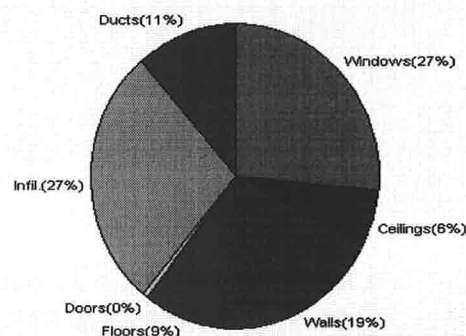
10/3/2008

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)

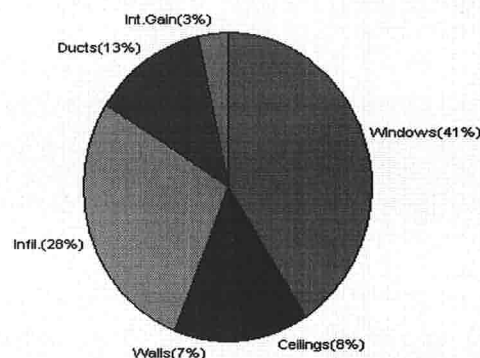
Load component		Load
Window total	502 sqft	16145 Btuh
Wall total	2863 sqft	11226 Btuh
Door total	20 sqft	259 Btuh
Ceiling total	3210 sqft	3782 Btuh
Floor total	335 sqft	5479 Btuh
Infiltration	408 cfm	16510 Btuh
Duct loss		6828 Btuh
Subtotal		60230 Btuh
Ventilation	0 cfm	0 Btuh
TOTAL HEAT LOSS		60230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



Version 8
For Florida residences only

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=		
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
------------------	------------------------------------	-------------------

WHOLE HOUSE TOTALS

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

EQUIPMENT

1. Electric Heat Pump	#	72000 Btuh
-----------------------	---	------------

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



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
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
Zone Envelope Subtotal:						36891 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=		
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	
(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

Professional Version

Climate: North

Lake City, FL 32025-

Isaac Construction - Suresh & Daxa Patel

10/3/2008

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
-----------------	---	------------

*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))

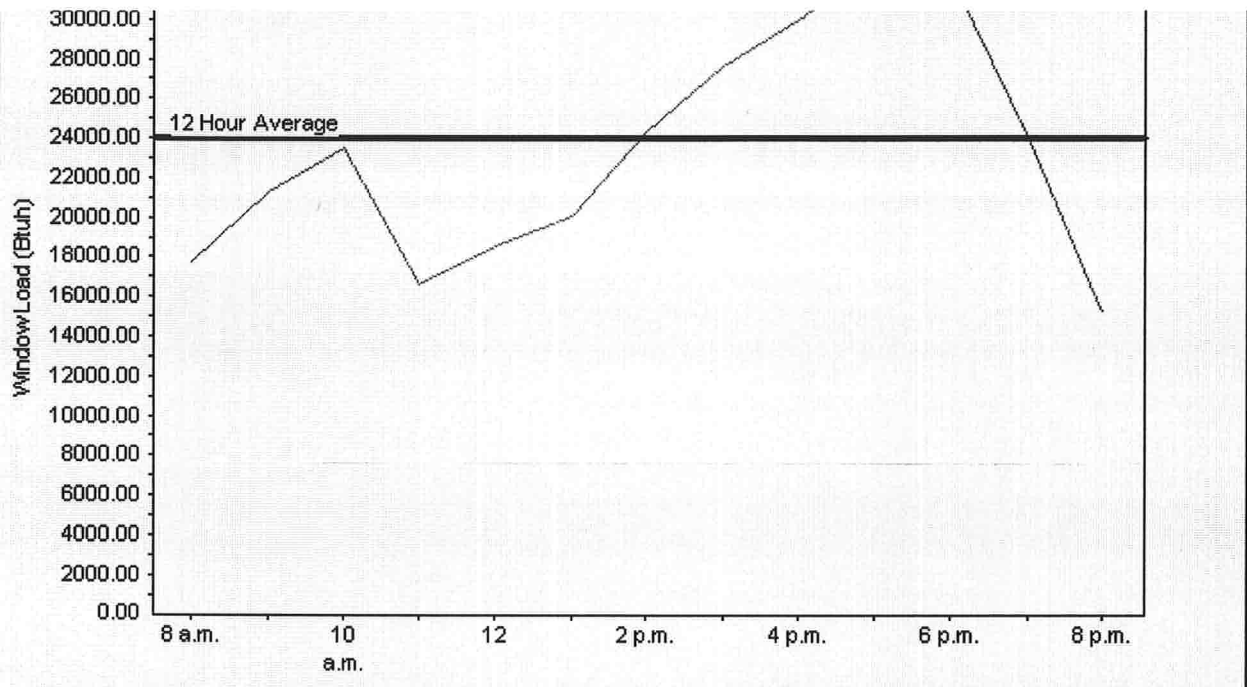
(ExSh - Exterior shading device: none(N) or numerical value)

(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

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



Seal Date: 11/04/2008

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

-Truss Design Engineer-

James F. Collins Jr.

Florida License Number: 52212

1950 Marley Drive

Haines City, FL 33844

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

#	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		08309063	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--H07B		08309042	11/04/08
61	18234--J5B		08309046	11/04/08
62	18235--E07A		08309047	11/04/08
63	18236--E07B		08309048	11/04/08
64	18237--E07C		08309049	11/04/08
65	18238--E07D		08309050	11/04/08
66	18239--E07E		08309051	11/04/08
67	18240--H02		08309038	11/04/08
68	18241--H03		08309032	11/04/08
69	18242--H02A		08309028	11/04/08
70	18243--J1C		08309029	11/04/08
71	18244--H07A		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--E07H		08309023	11/04/08
76	18249--E07G		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



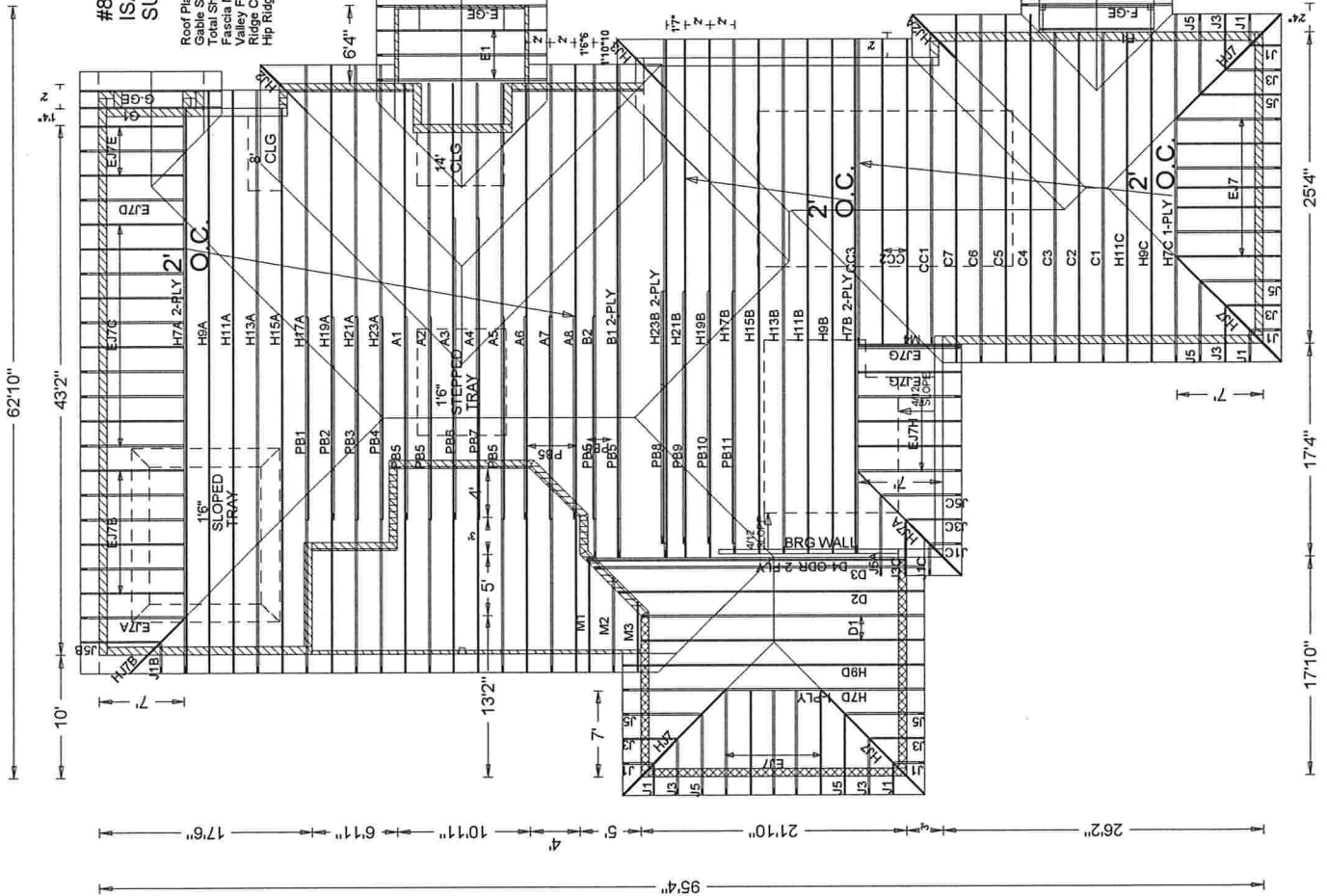
8'10" 9'6" 8'10" 24'2" 10'9" 6'10" 11'7" 6'2" 8'8"

#8-203
ISAAC-
SURESH PATEL

REVIS
10-14-08
11-04-08

Root 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 = 293 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.
 Bot Chord: 1 Row @12.00" o.c.
 Webs : 1 Row @ 4" o.c.
 Use equal spacing between rows and stagger nails
 in each row to avoid splitting.

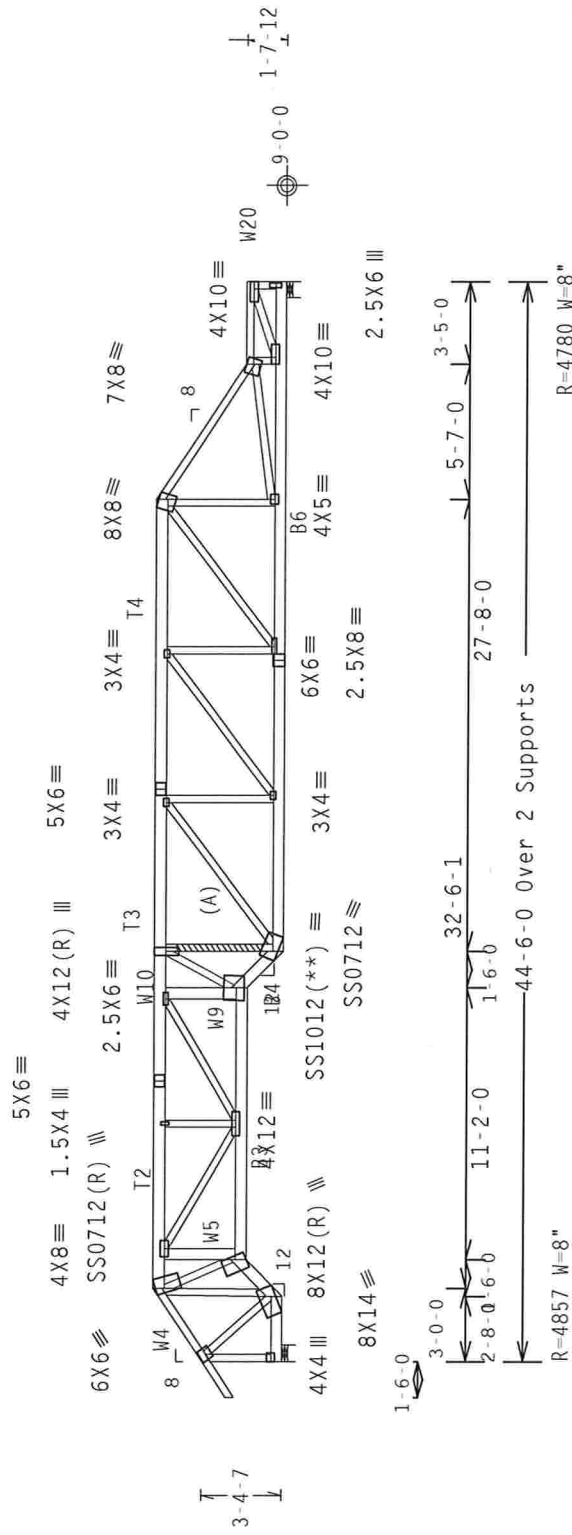
Wind reactions based on MWFRS pressures.

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.



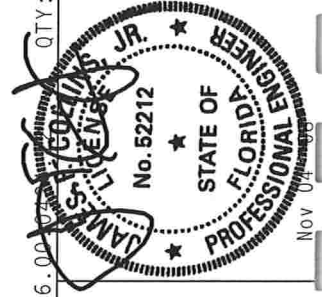
Design Crit: TPI-2002(STD)/FBC

PLT TYP. 18 Gauge HS, Wave

~~001023~~

Scale = .125"/Ft.

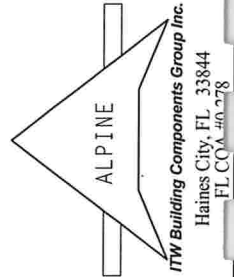
TC LL	20.0 PSF	REF	R8228- 18174
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUR8228 08309044
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	101038
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05



****WARNING**** JOISTS REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENTS, INC. (PUBLISHED BY THE CROSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) WHEN ORDERING THESE STRUCTURAL JOISTS. ENTERPRISE LANE, MADISON, WI 53719 IS A SAFETY PRACTICES FACILITY TO PERFORMING THESE FUNCTIONS. 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 TROUSS IN COMPLIANCE WITH THE TYPE OR SPECIFICATIONS, STANDARDS, AND BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS AS SET FORTH BY ACIPRO AND TPI. ITW BCG HAS PROVIDED THE FOLLOWING INFORMATION TO ASSIST THE USER IN THE SELECTION OF AN APPROPRIATE STEEL CONNECTOR PLATES ARE MADE OF 70/10/16GA .48 X/AS/SPY ASTM A653 GRADE 40, KANSAS CITY STEEL COMPANY. PLATES TO EACH FACE OF TROUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX 43 OF TP1-2002 SEC.3, A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TROUSS 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 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, wind Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

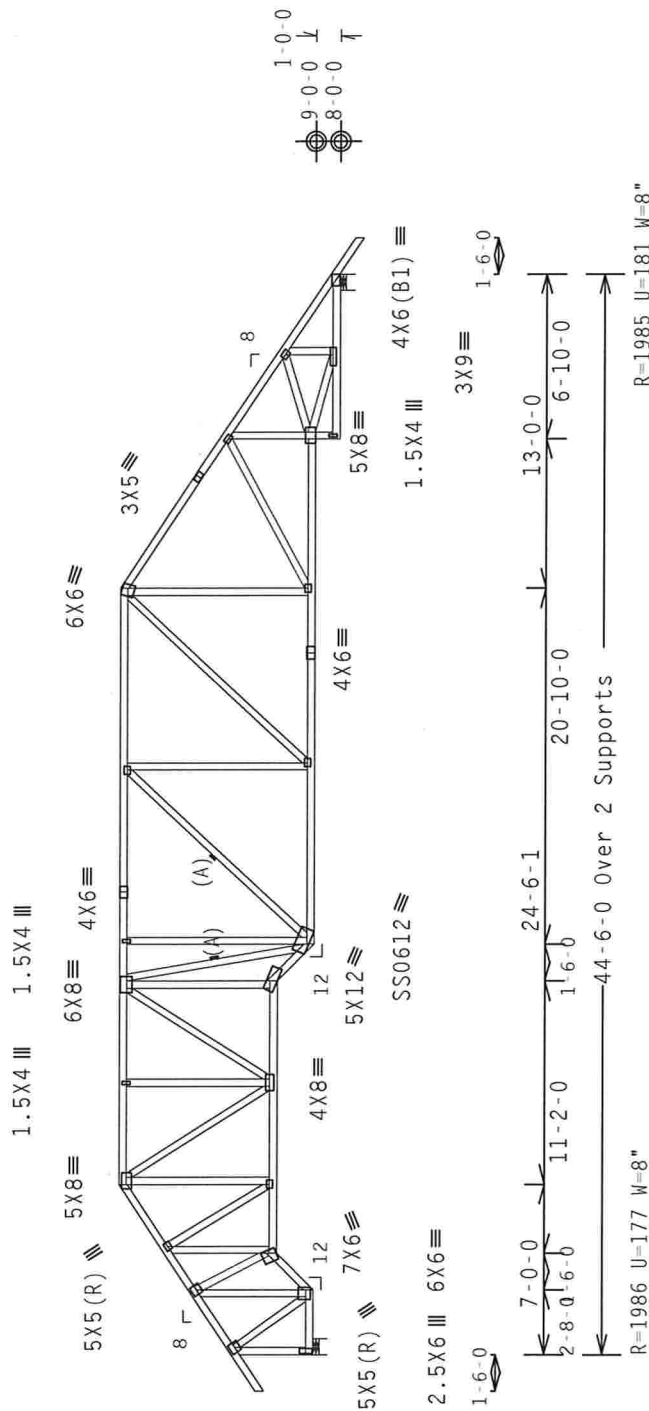
(A) Continuous lateral bracing equally spaced on member.

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

PLT TYP. 18 Gauge HS.Wave

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

00

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

Scale = .125" / Ft.

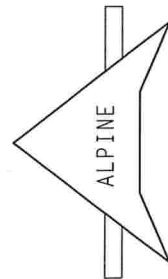
TC LL	20.0 PSF	REF	R8228- 18176
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309036
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN -	100965
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1TMC8228Z05



WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY THE MANUFACTURER FOR DETAILED INSTRUCTIONS. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND VFCO (WOOD TRUSS COUNCIL OF AMERICA, 100 ENTERPRISE LANE, HUDSON, NJ 07033) FOR ADDITIONAL INFORMATION. THESE TRUSSES ARE DESIGNED TO BE USED IN ACCORDANCE WITH THE OTHERS. THESE TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED TOP CHORD.

****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 NOS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. T1W BCG
 TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
 CONNECTOR PLATES ARE MADE OF 2018/176GA (M/H/55%) 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 SEAL ON THIS
 ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX 43 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 AMX/TPI 1 SEC. 2.



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, 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 $(+/-)=0.18$

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

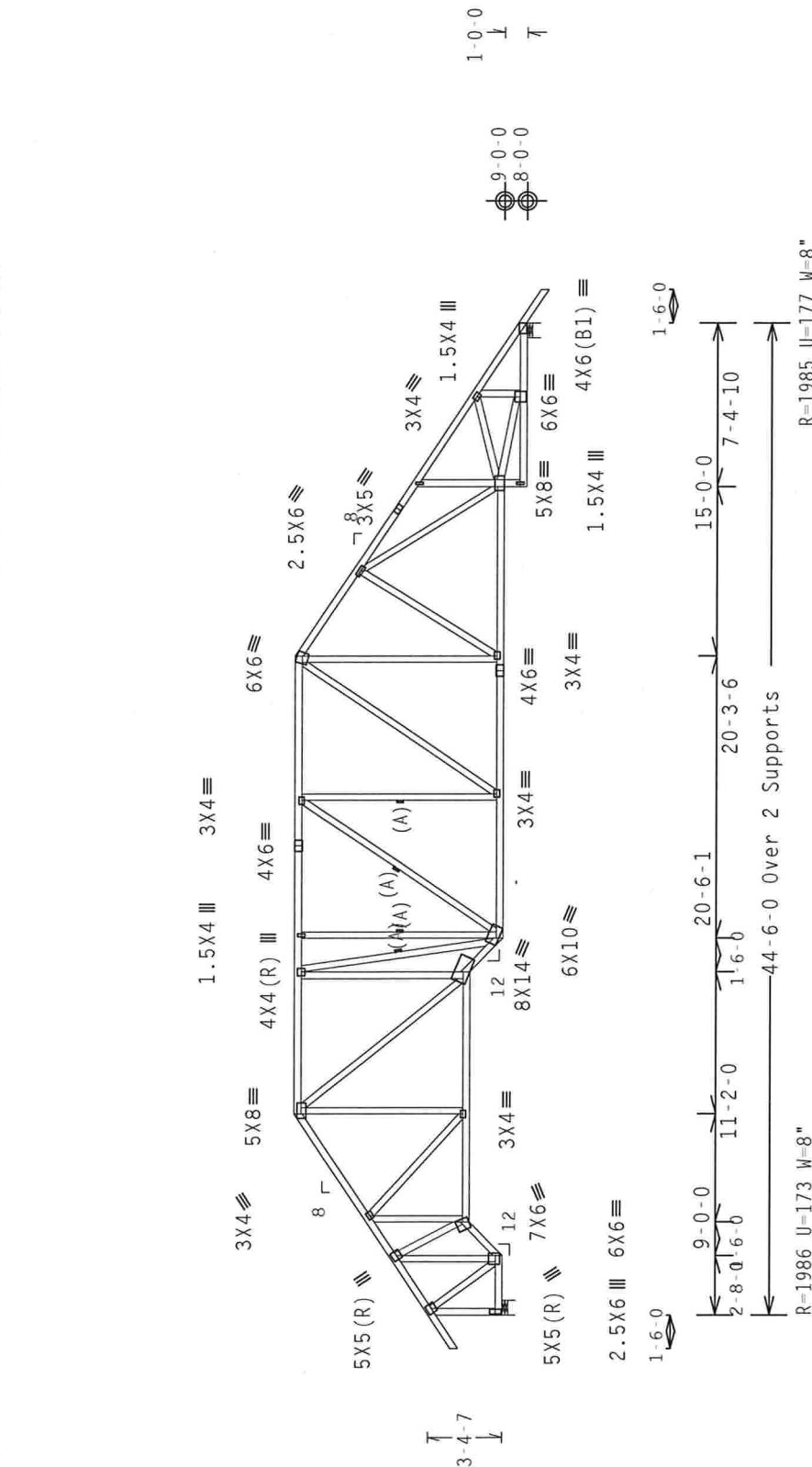
(A) Continuous lateral bracing equally spaced on member.

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.

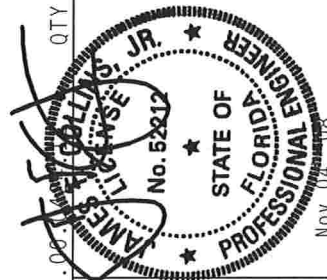


PLT TYP. Wave

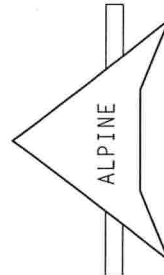
Design Crit: TPI-2002(STD)/FBC
C_g/RT=1.00(1.25)

Scale = .125" / Ft.

TC LL	20.0 PSF	REF	R8228- 18177
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	SEQN-	100975
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, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 4300 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]

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

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

(A) Continuous lateral bracing equally spaced on member.

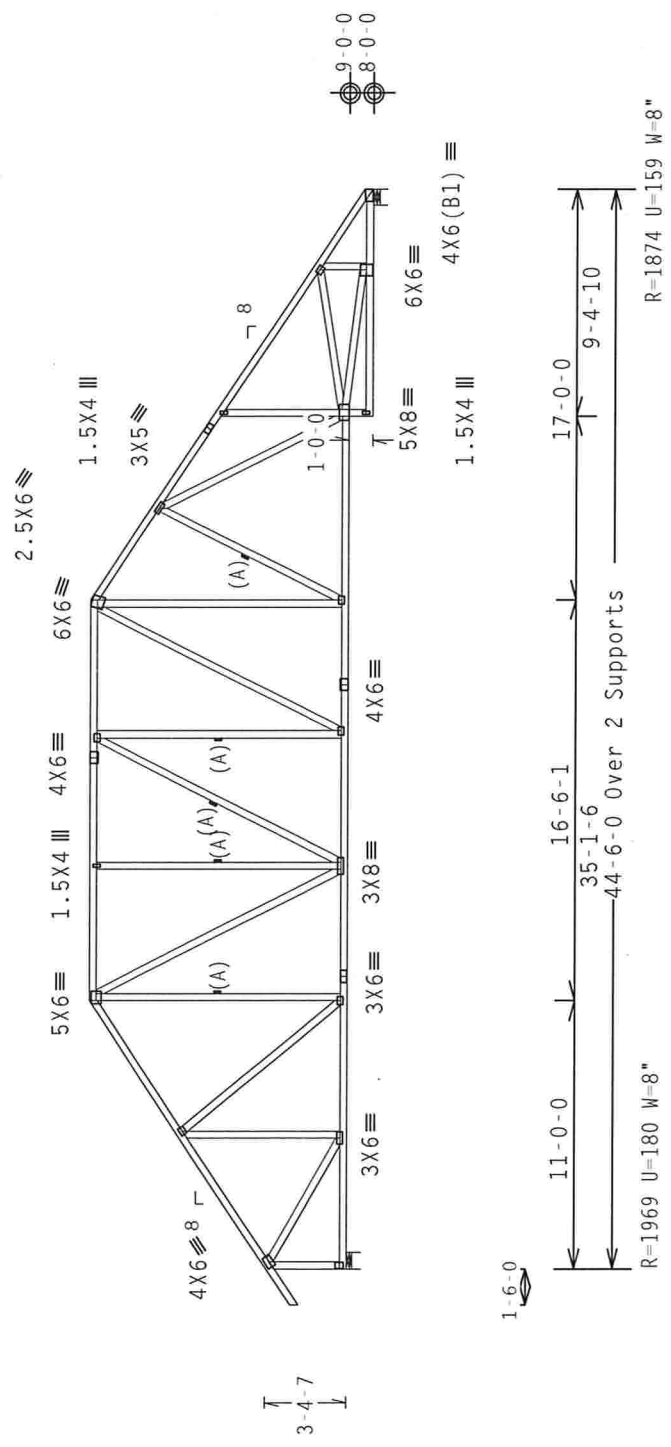
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

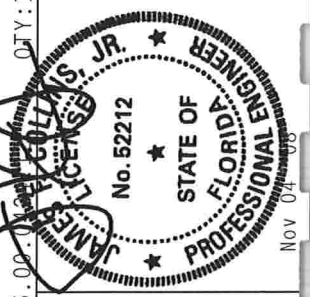


Note: All Plates Are 3x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

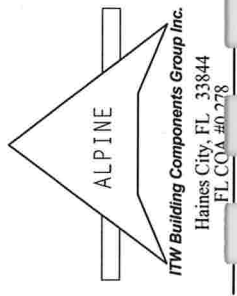
Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R8228- 18178
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309035
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN -	100985
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 BCSE (BUILDING COMPONENT 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. ITH 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. ITH BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (N-H/SS/2X) ASTM A653 GRADE 40/60 (N-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 ABX8 A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING SHOWS THE DESIGNER'S RESPONSIBILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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. 1w=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.

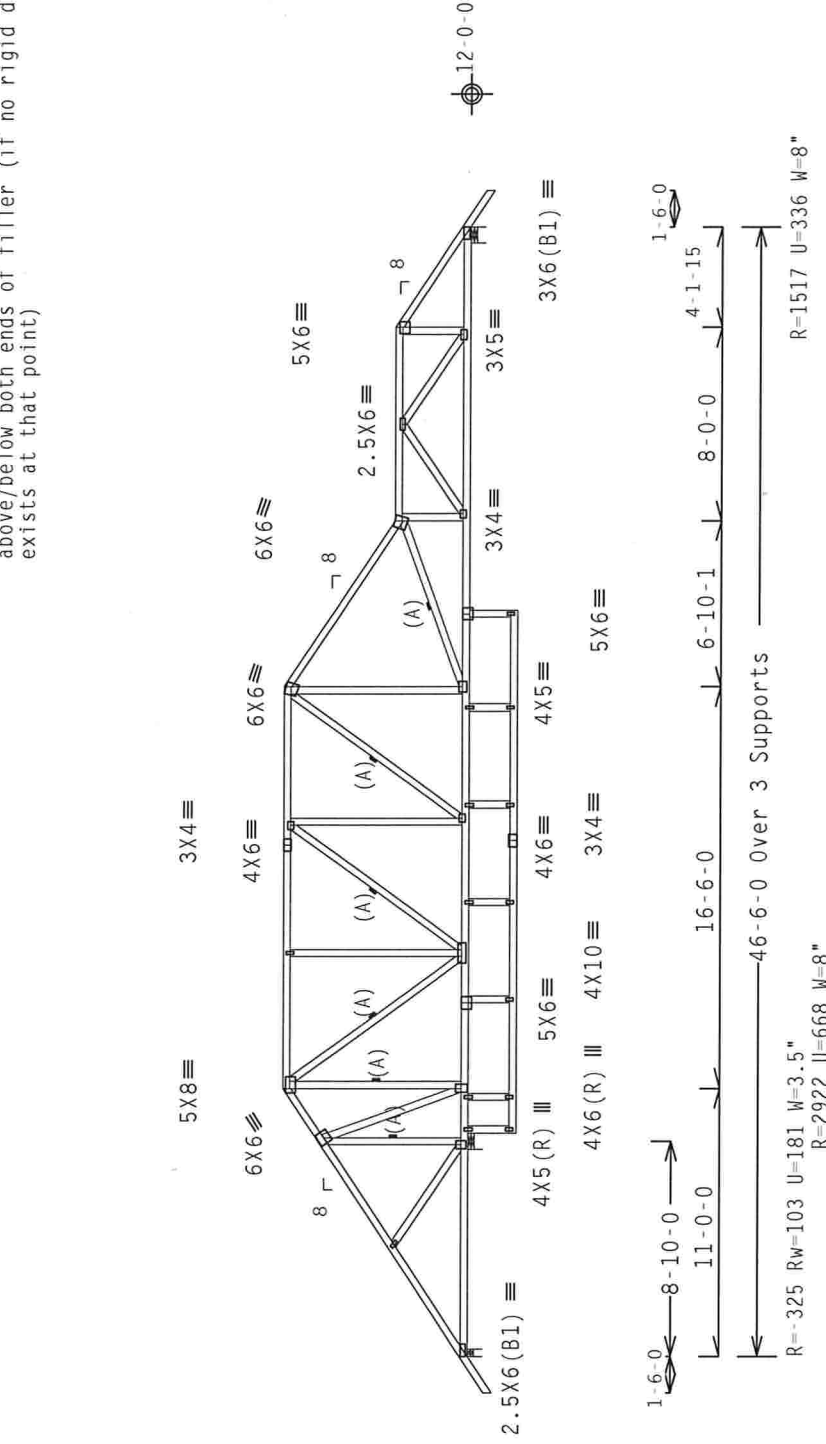
See detail BCFILLER0207, TCFILLER0207 and REPBCFIL for filler details. Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)

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.



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

$$Ca/RT=1.00(1.25)/0(0)$$
FL/-/4/-/-/R/-/-
Scale = .125"/Ft.

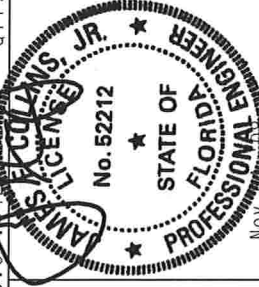
OTY:1

.00

*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE FOLLOWING INFORMATION: PUBLISHED B171 (CROSS PLATE TRUSS) 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304, 703/683-7700. AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. 530 N. LAKE STREET, SUITE 150, CHICAGO, IL 60610, 312/670-3100. AMERICAN WOOD PRESERVATION ASSOCIATION, 1001 EASTERN BLVD., SUITE 100, WASHINGTON, DC 20003, 202/462-6000. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED BRIDG. CLING.

****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 INDIA NATIONAL DESIGN SPEC. BY ATAPRA) AND TPI. 1TH BCG
CONNECTOR PLATES ARE MADE OF 2019/16GA (414/55)MS/ASTM A563 GRADE 40/60 (4. K/11.55) GALV. STEEL. ALGA-2
PLATES TO EACH FACE OF THUSS 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.
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 3 SEC. 2.



Haines City, FL 33844
FL CQA #0078

Haines City, FL 33844
FL COA #0278

FL COA #0078

на

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

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

1110 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. Iw=1.00 GCPI (+/-)=0.55

Wind reactions based on MWFRS pressures.

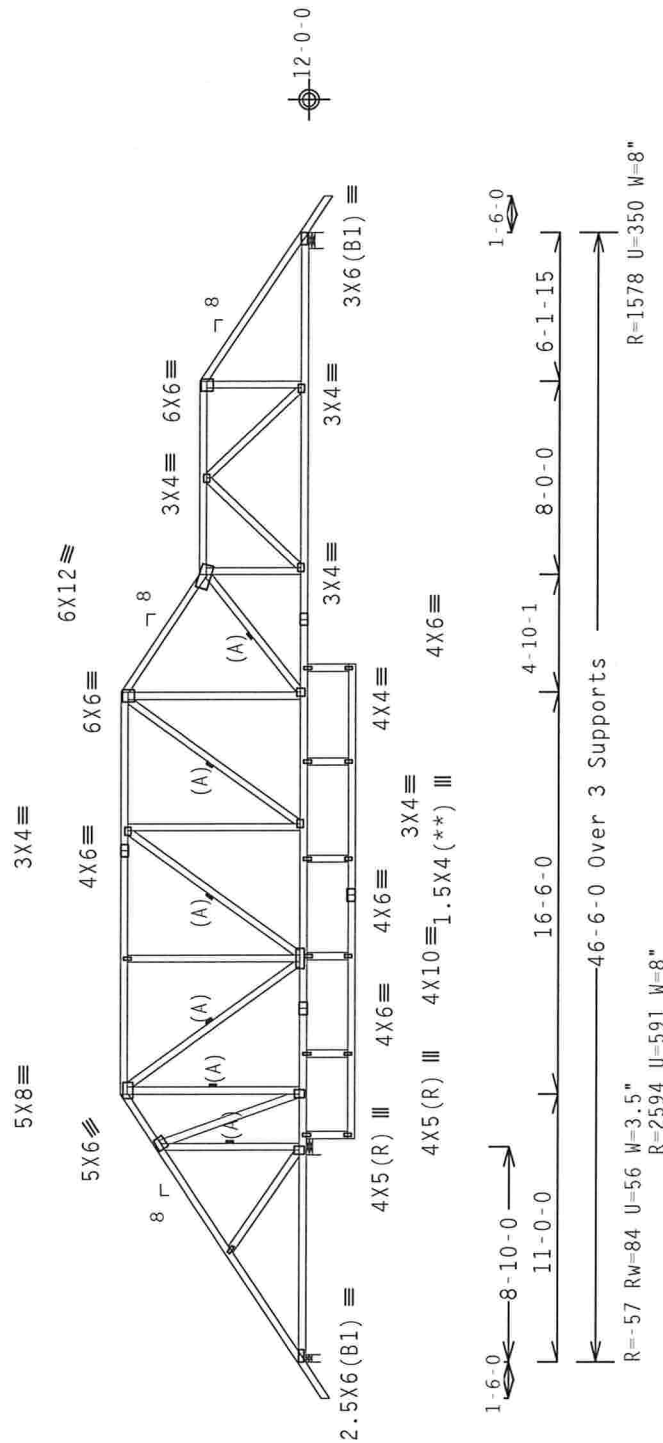
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

See detail BCFILLER0207, TCFILLER0207 and REPRCFIL for filler details. Laterally brace chord above/below filler @ 24" 0.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.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

00

El / - / Δ / - / - / R / -

Scale = 125"/Ft

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT SAFETY INFORMATION, PROVIDED BY THE TRUSS MANUFACTURER, FOR THE FOLLOWING INFORMATION: TRUSS PLATE INSTITUTE, 2100 STREET, SUITE 312, ALEXANDRIA, VA, 22314; AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), INC., 500 N. MICHIGAN, SUITE 1300, CHICAGO, IL 60611. TRUSS COMPANIES OF AMERICA, 6300 ENTERPRISE DRIVE, SUITE 1015, FARMERSVILLE, OH 43024. THESE PRACTICES ARE FOR PERFORMING THESE FUNCTIONS, 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 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
CONCRETE PLATES ARE MADE OF 20/18/1668 (W/555K) ASTM A563 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 AMBEX 43 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 AWS/TPI 1 SEC. 2.



mes City, FL 33844
FL COA #0 278

ITW Building Components Group Inc.

nes City, FL 33844

EL COA #0 278

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

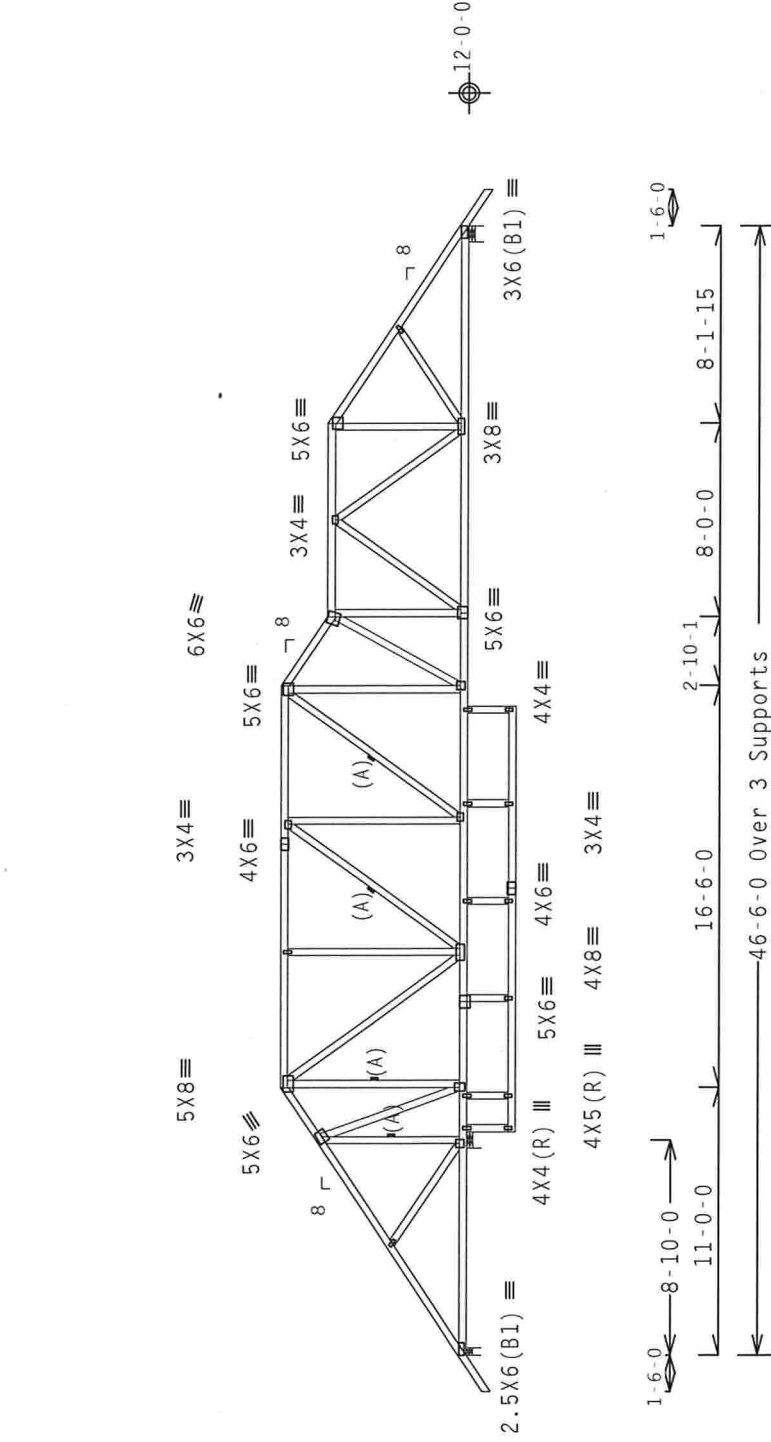
Wind reactions based on MWFRS pressures.

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

See detail BCFILLER0207, TCFILLER0207 and 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.



R=53 R_W=84 U=8 W=3.5"
R=2458 U=563 W=8"

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

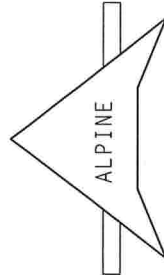
QTY:1

$$\text{Scale} = .125"/\text{Ft.}$$

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.L.D.	40.0 PSF	SEQN-	101073
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 THE MANUFACTURER FOR PRELIMINARY DESIGN, ERECTION AND BRACING DETAILS. IF YOU ARE A MEMBER OF THE AMERICAN WOOD TRUSS COUNCIL, CONTACT THEM AT 100 N. LEE STREET, SUITE 312, ASHLANDIA, VA 22914 OR WITH A GOOD TRUSS COUNCIL OFFICE NEAREST YOU. OTHERWISE, CONTACT THE NATIONAL WOOD TRUSS ASSOCIATION AT 17601 N. HARTNELL AVENUE, MIDLAND, MI 48691-1000. ALWAYS FOLLOW THE MANUFACTURER'S RECOMMENDATIONS FOR PROPERLY ATTACHED RIGID CEILING.

[illegible]

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

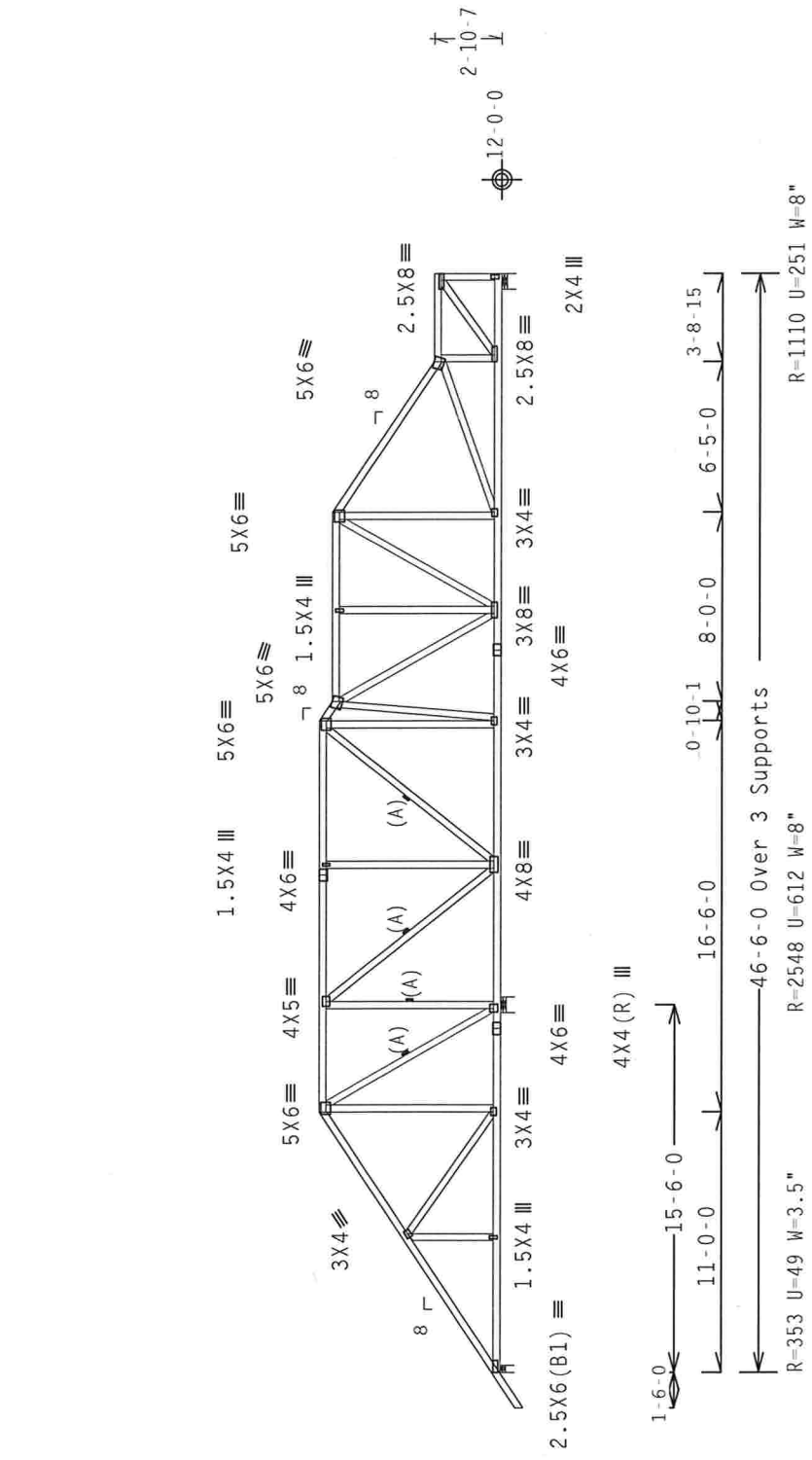
110 mph wind, 15.54 ft mean hgt, ASCE 7-02, PART-ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCPI(+/-)=0.55	rop chord	2x4	SP #2	Dense
	oot chord	2x4	SP #2	Dense
	webs	2x4	SP #3	

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

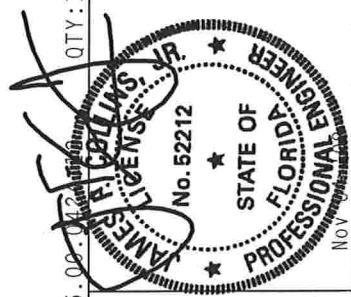
In lieu of structural panels use purlins to brace all flat TC @ 24" OC. Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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



PLT	TYP.	Wave	Design Crit: $\frac{\text{TPI-2002 (STD) / FBC}}{\text{Cq/RT-1.00 (1.25) /}}$
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****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID BEAM.

[illegible]

FL/-/4/-/-/R/-		Scale = .125" / Ft.
TC LL	20.0 PSF	REF R8228- 18183
TC DL	10.0 PSF	DATE 11/04/08
BC DL	10.0 PSF	DRW HCUSR8228 08309043
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 101093
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. Iw=1.00 Gcpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

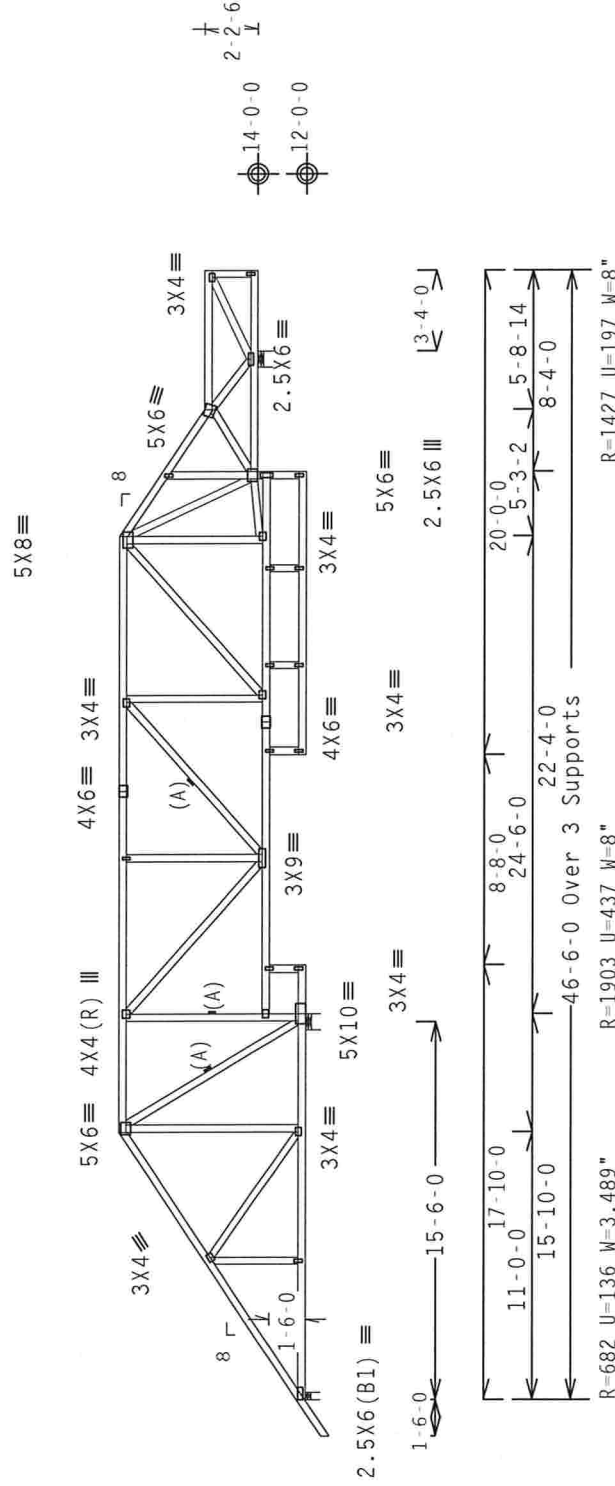
factor for dead load is 1.50.

(A) Continuous lateral bracing equally spaced on member.

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.

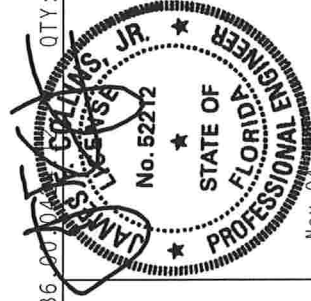
Design Crit: TPI-2002(STD)/FBC

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

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

Scale = 125"/Ft.

TC LL	20.0	PSF	REF	R8228 -	18184
TC DL	10.0	PSF	DATE	11/04/08	
BC DL	10.0	PSF	DRW	HCUSR8228	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	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE FABRICATOR'S INSTRUCTIONS. TRUSSES ARE AVAILABLE FROM THE FOLLOWING SOURCES: TRUSS COMPANY, 1000 N. LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314; AND MICA (4000 TRUSS COUNCIL OF AMERICA, 2500 OVERSEAS DRIVE, FORT WORTH, TX 76104). FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE NOTICED, THE FOLLOWING INFORMATION IS GIVEN: PROPERLY ATTACHED RIGID JOINTS SHALL HAVE PROPERLY ATTACHED RIGID JOINTS.

****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 ON FABRICATING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGNER'S COMMENTS: (SEE DRAWING DESIGN SEC. BY ATAPS) AND TPI. ITW BCG HAS REVIEWED THIS DESIGN AND APPROVES THE DESIGN FOR USE. KANSAS STEEL COMPANY HAS REVIEWED THE CONNECTOR PLATES ARE MADE OF 7010/16GALV. ALUMINUM COATED GALV. STEEL PER DRAWINGS 16GA-2 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

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-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. lw=1.00 GCpl(+/-)=0.55

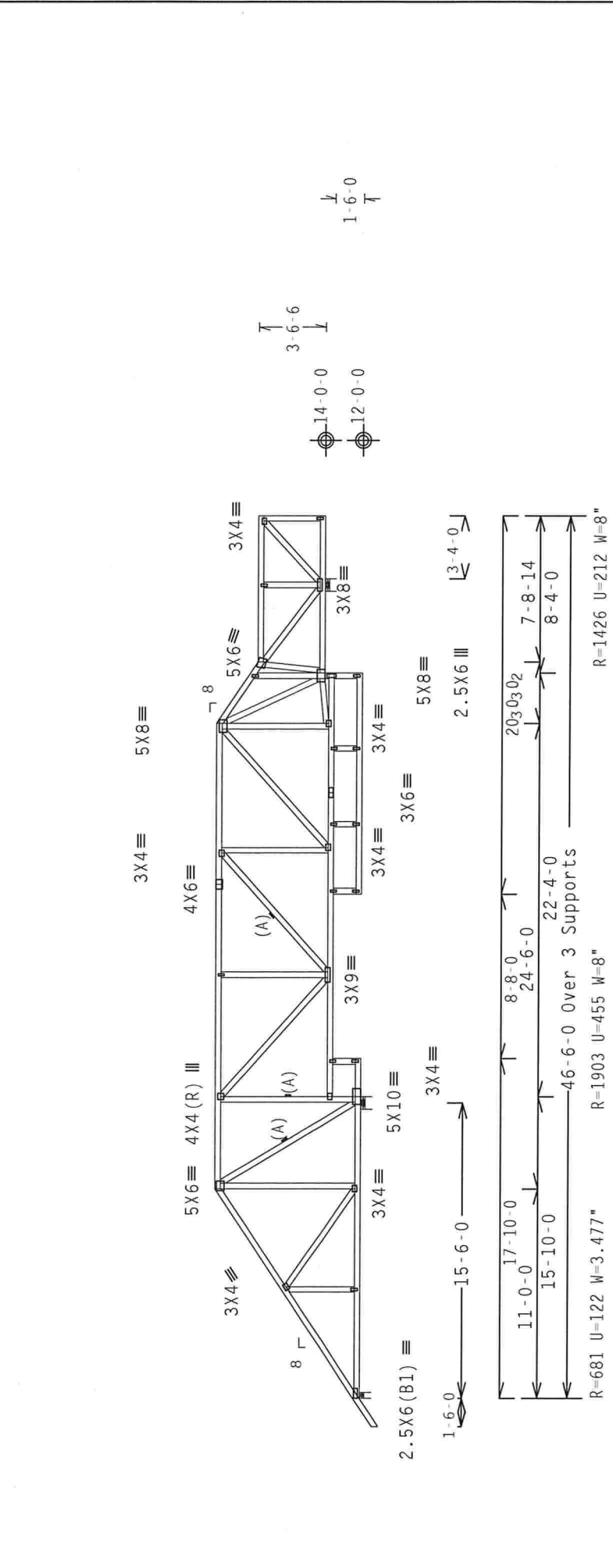
Wind reactions based on MWFRS pressures.

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.



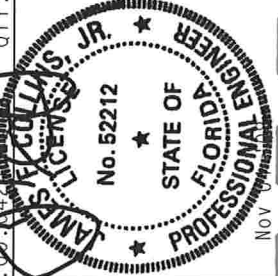
Note: All Plates Are 1.5x4 Except As Shown.

Design Crit: TPI-2002 (STD) /FBC

PLT TYP. Wave

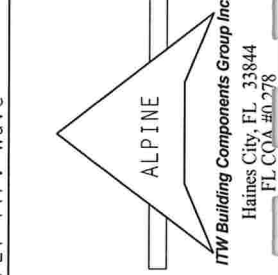
Scale = .125" /Ft.

TC LL	20.0	PSF	REF	R8228-18185
TC DL	10.0	PSF	DATE	11/04/08
BC DL	10.0	PSF	DRW	HCUSR8228 08309059
BC LL	0.0	PSF	HC-ENG	JB/AP
TOT.LD.	40.0	PSF	SEQN	101110
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 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 219 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 CONNECTION PLATES ARE MADE OF 2018/10GA (20/18/SS/A) ASTM A653 GRADE 40/60 (M, K/H-SS) GALV. STEEL. APPLY ANY INSPECTION FROM FACTORY TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 10GA-2. ANY INSPECTION FROM FACTORY TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 10GA-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR 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.



10 mph wind, 15.54 ft mean hgt, ASCE 7-02, PART 6 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

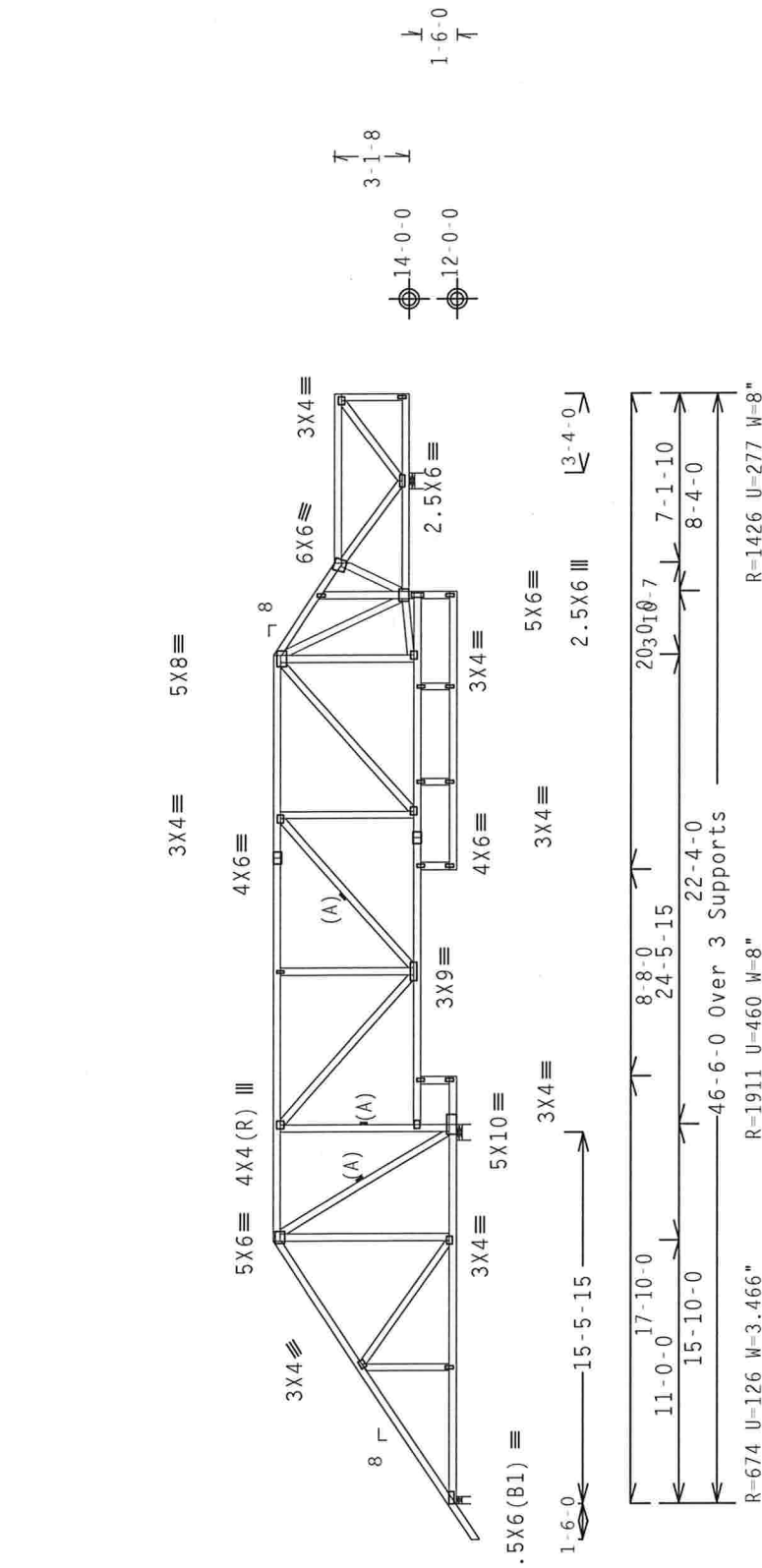
Find reactions based on MWFRS pressures.

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.

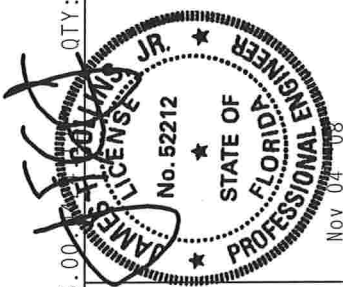


Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

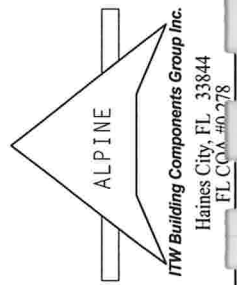
FL/-/4/-/-/R/-/-
Scale = .125"/Ft.

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	SEQN- 101138
DUR.FAC.	1.25		FROM AH
SPACING	24.0"		JREF- 1TWC8228Z05



WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE TRUSSING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS SYSTEMS, INC., 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22313, AND WCA (WOOD TRUSS) COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719, FOR TRUSSING AND BRACING REQUIREMENTS. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELL BRACING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/15/6GA. (48,5/55/3K) ASTM A653 GRADE 40/60 (40,6/50) GALV., STEEL, APPLIED 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 A OF TP1-1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX/TP1 1 SEC. 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. Iw=1.00 GCpf(+/-)=0.55

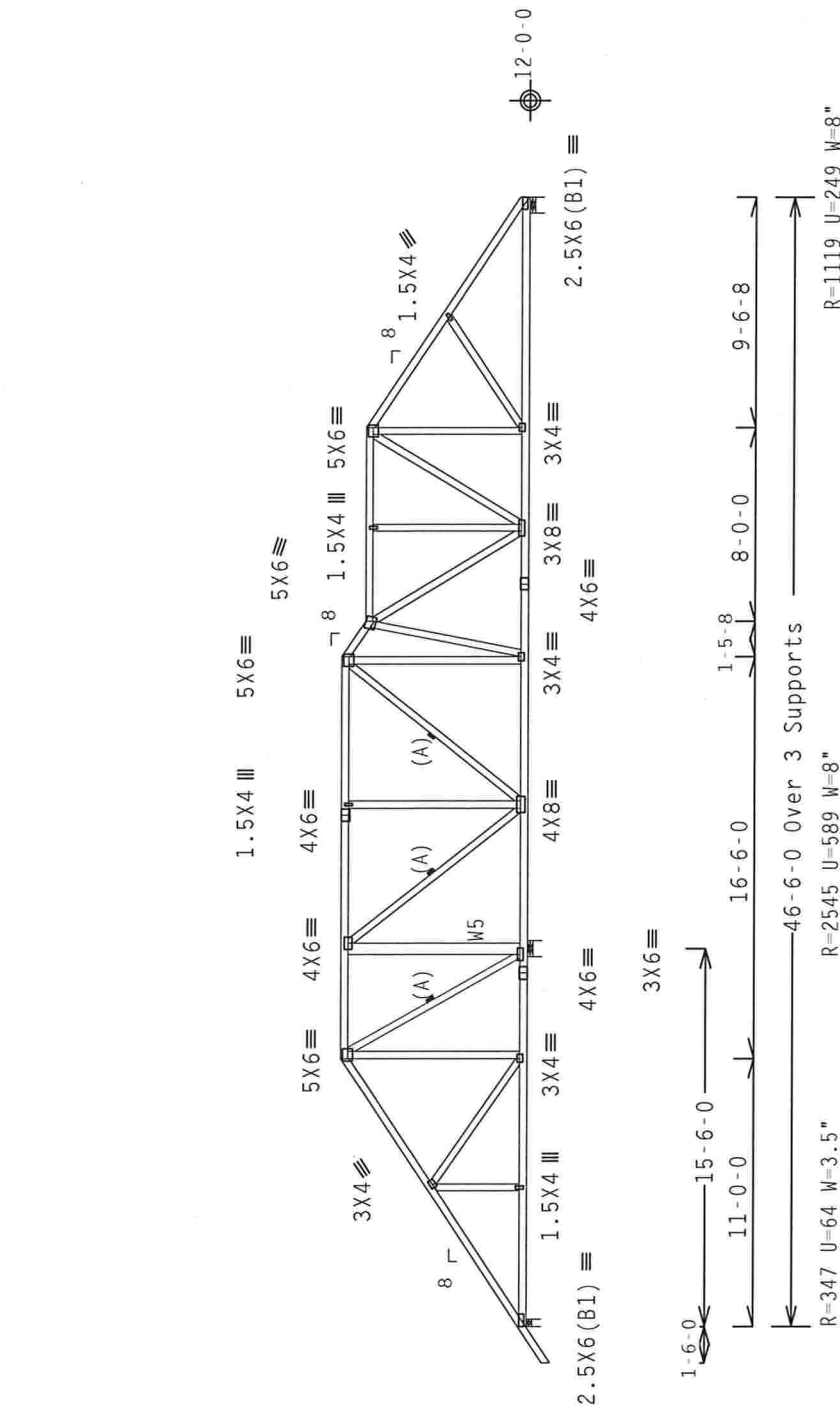
Wind reactions based on MWFRS pressures.

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.

(A) Continuous lateral bracing equally spaced on member.

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

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

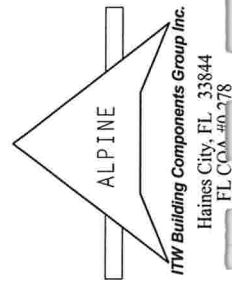
QTY:1 ELI-141-1-1R/-

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. FOR ADDITIONAL SAFETY INFORMATION, PUBLISHED BY IPI (CONCRETE PLATE INSTITUTE, 230 NORTH LEE STREET, CHICAGO, IL 60610), CONTACT THE CONCRETE PLATE INSTITUTE OF AMERICA, 5801 NORTON AVENUE, CHICAGO, IL 60630, TEL. 773-937-1900, FAX 773-937-1901.

THESE TRUSSES ARE DESIGNED TO BE USED WITH PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CORDS.

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 ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. APPLY PLATES TO EACH FACE OF TRUSS. 20/19/166A (W/55/84) ASTM A563 GRADE 40 (60, W/41-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS. 20/19/166A (W/55/84) ASTM A563 GRADE 40 (60, W/41-55) GALV. STEEL. APPLY DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0	PSF	REF	R8228-	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	

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.

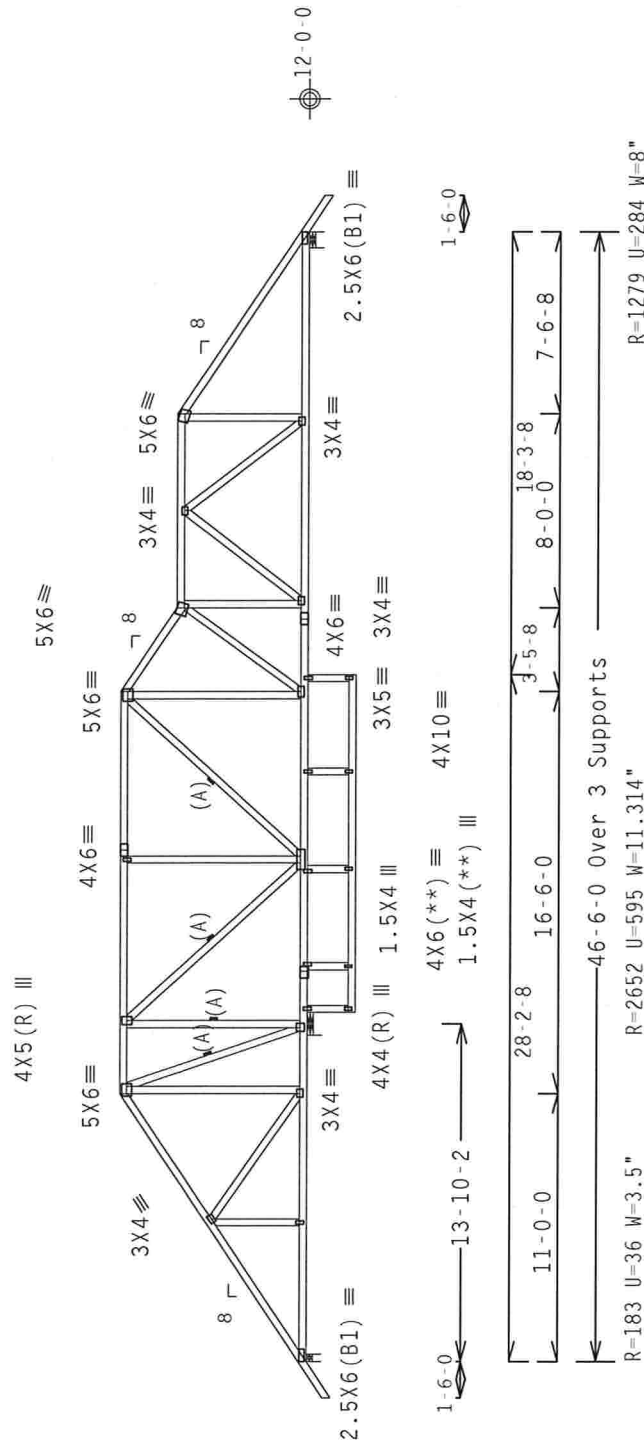
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.54 ft mean 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. 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.

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)



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

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

~~7.36.00: 424~~

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT INFORMATION, PUBLISHED BY THE (RUSS PLATE INSTITUTE, 218 WEST 31ST STREET, NEW YORK, NY 10011) AND AISC (4000 TRUSS COUNCIL OF AMERICA, 6300 EMPEROR LANE, WASHINGTON, DC 20015) FOR THE LATEST RECOMMENDATIONS REGARDING 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 TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

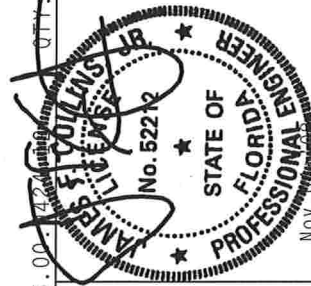
TYPE OR FABRICATING, DRILLING, SHIPBUILDING, INSTALLING & BRACING OF TRUSSES, ITN BCG
CONNECTIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AISC) AND TPI,
CONNECTOR PLATES ARE MADE OF 20/18/16/6 (20/18/16/6) ASTM A563 GRADE 40/60 (40/60) GALV. STEEL, APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANNEX A1 TPI 1 SEC. 2.



ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #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-	1TMC82228Z05

	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.

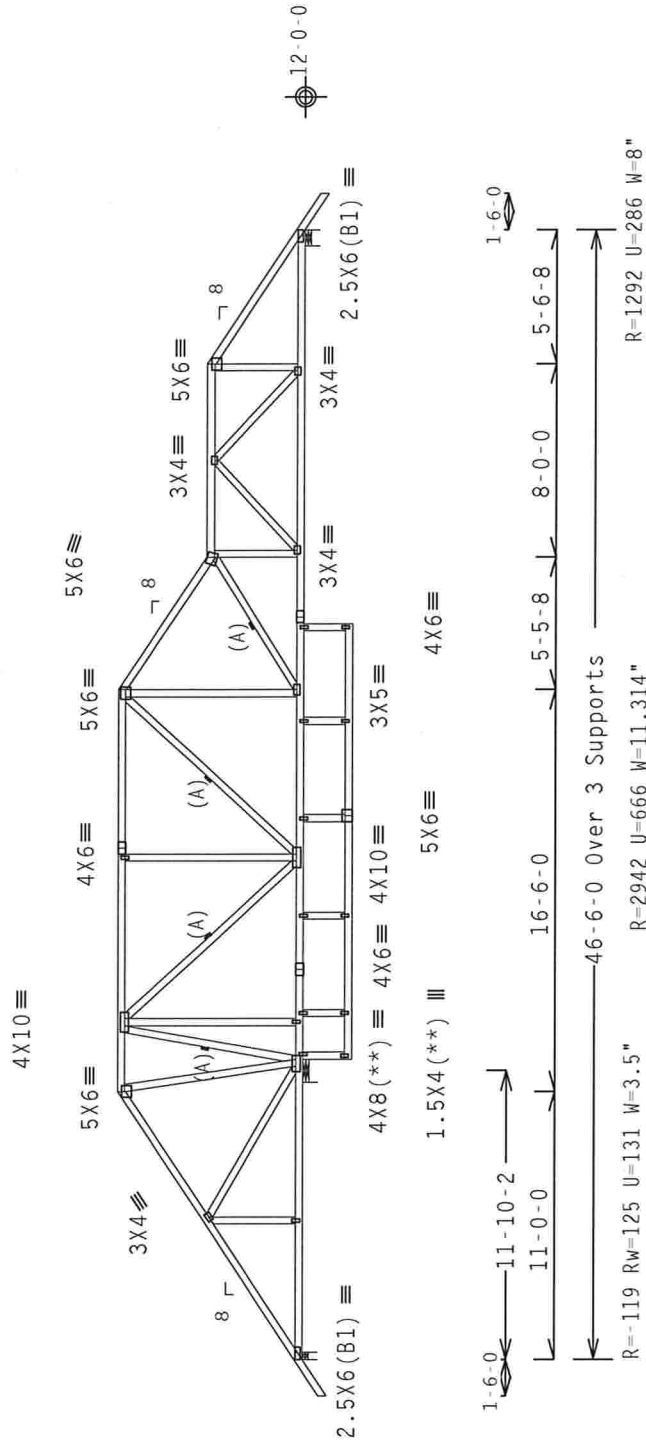
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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. 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.

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.

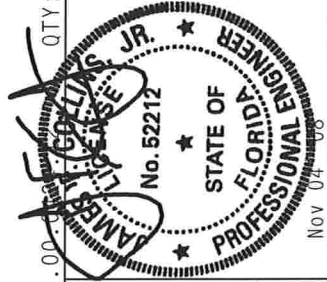
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

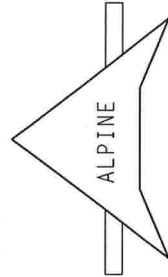
Scale = .125"/Ft.

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	



****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALWAYS USE THE FOLLOWING INFORMATION, PUBLISHED BY THE CROSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, NORTHPORT, VA 23106, (800) 368-2230, (757) 527-1991, FAX (757) 527-1992, WWW.CPI-USA.COM, ENTERPRISE LANE, MADISON, MI 48219, (734) 769-2300, (734) 769-2301, (734) 769-2302, (734) 769-2303, (734) 769-2304, (734) 769-2305, (734) 769-2306, (734) 769-2307, (734) 769-2308, (734) 769-2309, (734) 769-2310, (734) 769-2311, (734) 769-2312, (734) 769-2313, (734) 769-2314, (734) 769-2315, (734) 769-2316, (734) 769-2317, (734) 769-2318, (734) 769-2319, (734) 769-2320, (734) 769-2321, (734) 769-2322, (734) 769-2323, (734) 769-2324, (734) 769-2325, (734) 769-2326, (734) 769-2327, (734) 769-2328, (734) 769-2329, (734) 769-2330, (734) 769-2331, (734) 769-2332, (734) 769-2333, (734) 769-2334, (734) 769-2335, (734) 769-2336, (734) 769-2337, (734) 769-2338, (734) 769-2339, (734) 769-2340, (734) 769-2341, (734) 769-2342, (734) 769-2343, (734) 769-2344, (734) 769-2345, (734) 769-2346, (734) 769-2347, (734) 769-2348, (734) 769-2349, (734) 769-2350, (734) 769-2351, (734) 769-2352, (734) 769-2353, (734) 769-2354, (734) 769-2355, (734) 769-2356, (734) 769-2357, (734) 769-2358, (734) 769-2359, (734) 769-2360, (734) 769-2361, (734) 769-2362, (734) 769-2363, (734) 769-2364, (734) 769-2365, (734) 769-2366, (734) 769-2367, (734) 769-2368, (734) 769-2369, (734) 769-2370, (734) 769-2371, (734) 769-2372, (734) 769-2373, (734) 769-2374, (734) 769-2375, (734) 769-2376, (734) 769-2377, (734) 769-2378, (734) 769-2379, (734) 769-2380, (734) 769-2381, (734) 769-2382, (734) 769-2383, (734) 769-2384, (734) 769-2385, (734) 769-2386, (734) 769-2387, (734) 769-2388, (734) 769-2389, (734) 769-2390, (734) 769-2391, (734) 769-2392, (734) 769-2393, (734) 769-2394, (734) 769-2395, (734) 769-2396, (734) 769-2397, (734) 769-2398, (734) 769-2399, (734) 769-2400, (734) 769-2401, (734) 769-2402, (734) 769-2403, (734) 769-2404, (734) 769-2405, (734) 769-2406, (734) 769-2407, (734) 769-2408, (734) 769-2409, (734) 769-2410, (734) 769-2411, (734) 769-2412, (734) 769-2413, (734) 769-2414, (734) 769-2415, (734) 769-2416, (734) 769-2417, (734) 769-2418, (734) 769-2419, (734) 769-2420, (734) 769-2421, (734) 769-2422, (734) 769-2423, (734) 769-2424, (734) 769-2425, (734) 769-2426, (734) 769-2427, (734) 769-2428, (734) 769-2429, (734) 769-2430, (734) 769-2431, (734) 769-2432, (734) 769-2433, (734) 769-2434, (734) 769-2435, (734) 769-2436, (734) 769-2437, (734) 769-2438, (734) 769-2439, (734) 769-2440, (734) 769-2441, (734) 769-2442, (734) 769-2443, (734) 769-2444, (734) 769-2445, (734) 769-2446, (734) 769-2447, (734) 769-2448, (734) 769-2449, (734) 769-2450, (734) 769-2451, (734) 769-2452, (734) 769-2453, (734) 769-2454, (734) 769-2455, (734) 769-2456, (734) 769-2457, (734) 769-2458, (734) 769-2459, (734) 769-2460, (734) 769-2461, (734) 769-2462, (734) 769-2463, (734) 769-2464, (734) 769-2465, (734) 769-2466, (734) 769-2467, (734) 769-2468, (734) 769-2469, (734) 769-2470, (734) 769-2471, (734) 769-2472, (734) 769-2473, (734) 769-2474, (734) 769-2475, (734) 769-2476, (734) 769-2477, (734) 769-2478, (734) 769-2479, (734) 769-2480, (734) 769-2481, (734) 769-2482, (734) 769-2483, (734) 769-2484, (734) 769-2485, (734) 769-2486, (734) 769-2487, (734) 769-2488, (734) 769-2489, (734) 769-2490, (734) 769-2491, (734) 769-2492, (734) 769-2493, (734) 769-2494, (734) 769-2495, (734) 769-2496, (734) 769-2497, (734) 769-2498, (734) 769-2499, (734) 769-2500, (734) 769-2501, (734) 769-2502, (734) 769-2503, (734) 769-2504, (734) 769-2505, (734) 769-2506, (734) 769-2507, (734) 769-2508, (734) 769-2509, (734) 769-2510, (734) 769-2511, (734) 769-2512, (734) 769-2513, (734) 769-2514, (734) 769-2515, (734) 769-2516, (734) 769-2517, (734) 769-2518, (734) 769-2519, (734) 769-2520, (734) 769-2521, (734) 769-2522, (734) 769-2523, (734) 769-2524, (734) 769-2525, (734) 769-2526, (734) 769-2527, (734) 769-2528, (734) 769-2529, (734) 769-2530, (734) 769-2531, (734) 769-2532, (734) 769-2533, (734) 769-2534, (734) 769-2535, (734) 769-2536, (734) 769-2537, (734) 769-2538, (734) 769-2539, (734) 769-2540, (734) 769-2541, (734) 769-2542, (734) 769-2543, (734) 769-2544, (734) 769-2545, (734) 769-2546, (734) 769-2547, (734) 769-2548, (734) 769-2549, (734) 769-2550, (734) 769-2551, (734) 769-2552, (734) 769-2553, (734) 769-2554, (734) 769-2555, (734) 769-2556, (734) 769-2557, (734) 769-2558, (734) 769-2559, (734) 769-2560, (734) 769-2561, (734) 769-2562, (73

**** IMPORTANT ****TURKISH 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 TRUSS IN COMPLIANCE WITH ITPI-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TROUSSES. ITH BCG DESIGN CONCEPTS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND IPT. ITH BCG WILL PROVIDE ALL DIMENSIONS AND CONNECTION DETAILS TO THE TRUSS MANUFACTURER. STEEL PLATES TO EACH FACE OF FLOORS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. AN INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PER AMEX A.3 OF ITPI-2002 SEC.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS PROJECT. USE OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMS/P1P1 1.85C-2.



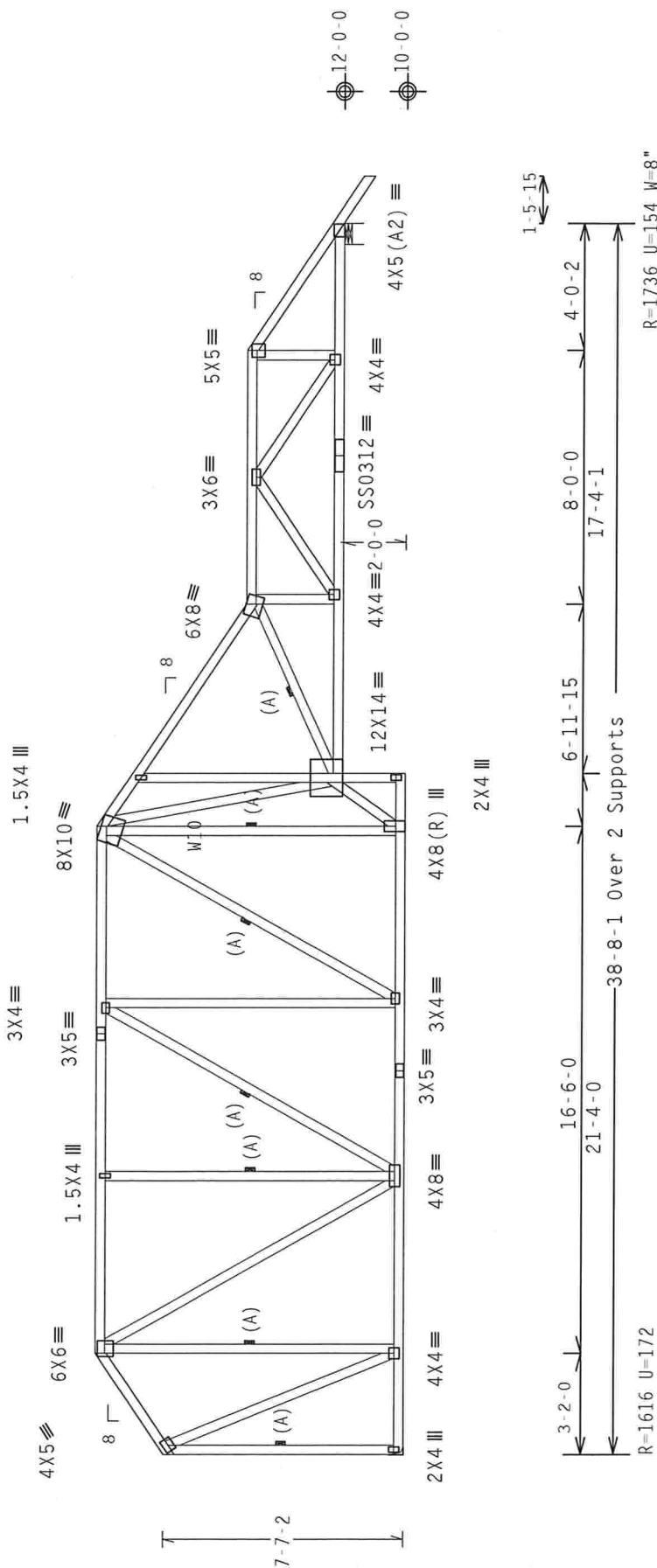
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

1110 mph wind, 15.54 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, wind BW=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.13" due to live load and 0.20" due to dead load.

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



Design Crit: TPI-2002(STD)/FBC

Scale = .1875" / Ft.

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

00:04:25.000 TY:1

7.36.

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

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2
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5
=

Wave

PLT TYP. 18 Gauge HS.

TC LL	20.0	PSF	REF	R8228-	18191
TC DL	10.0	PSF	DATE	11/04/08	
BC DL	10.0	PSF	DRW	HCUSR8228	0830905
BC LL	0.0	PSF	HC-ENG	JB/AP	
TOT.LD.	40.0	PSF	SEQN-	101319	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TMC8228Z05	

BRACING,
UTE, 218
6300
UNLESS
HALL HAVE

HALL NOT
WITH

ITW BCG
APPLY
S 160A-Z,
OR THIS
COMPONENT
Y OF THE

INSTALLATION CONTRACTOR - ITW REG. INC. -
FAILURE TO BUILD THE TRUSS IN CONFORMANCE
WITH THE DESIGN SPEC. BY AEP&A AND TPI.
AEP&A GRADE 40/60 (W. K/JLSS) GALV. STEEL
ON THIS DESIGN, PROPOSED FOR DRAMIN
WHICH AS OF TPI-2002 SEC. 3.
RESPONSIBILITY SOLELY FOR THE TRUSS
MENT FOR ANY BUILDING IS THE RESPONSIBILITY

EXTREME CARE IN FABRICATING AND ASSEMBLING THE COMPONENT SAFETY INFORMATION. ALEXANDRIA, VA, 22314) AND (53719) FOR SAFETY PRACTICES. I SHOULD HAVE PROPERLY LABELING.

****WARNING**** TRUSSES REQUIRED TO REFER TO PCSI (BUILDING CODE) NORTH LEE STREET, SUITE 3121, ENTERPRISE LANE, MADISON, WI. OTHERWISE INDICATED TOP CHORDS A PROPERLY ATTACHED RIGID C

****IMPORTANT**** FURNISH A BE RESPONSIBLE FOR ANY DESIGN, TYPE OR FABRICATING, HANDLING, DESIGN CONFORMS WITH APPLICABLE CONNECTOR PLATES ARE MADE OF PLATES TO EACH FACE OF TRUSSES. ANY INSPECTION OF PLATES FOR DRAWING INDICATES ACCEPTANCE. DESIGN SHOWN. THE SUITABLE BUILDING DESIGNER PER ANSI/



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

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

Webs : 1 Row @ 4" 0.C.

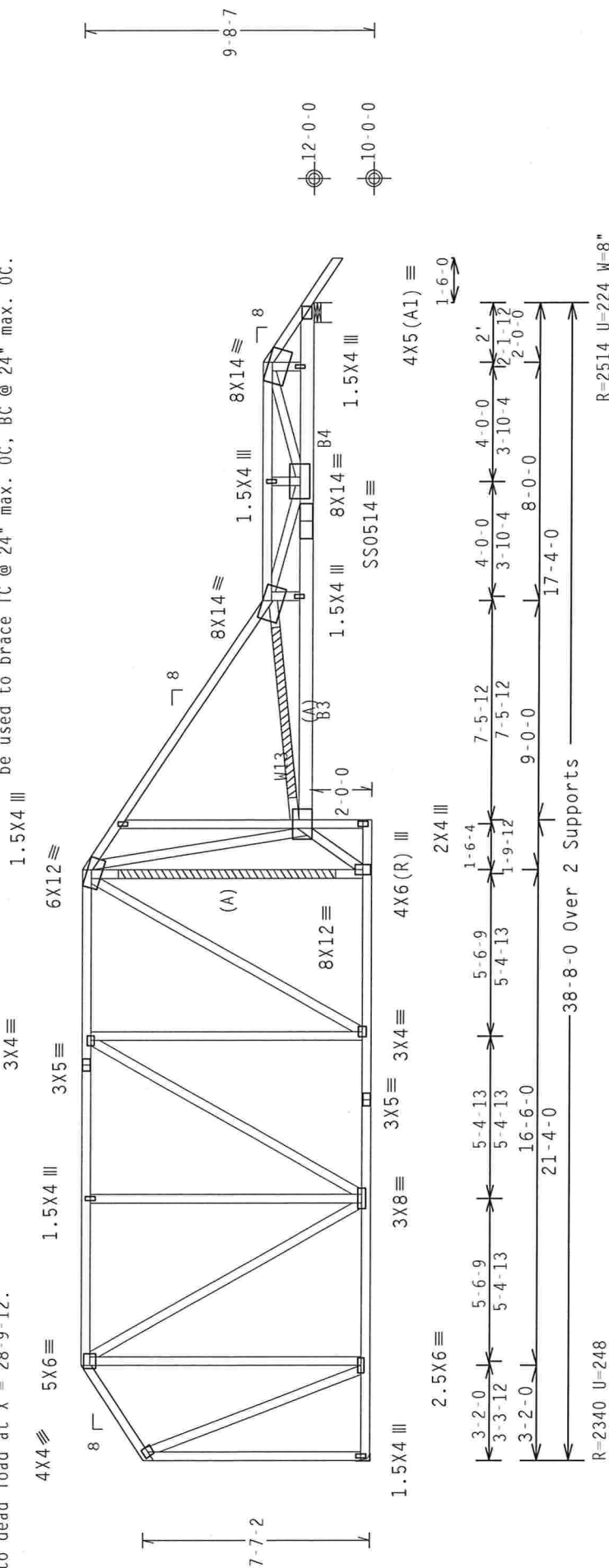
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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"

Design Crit: TPI-2002(STD)/FBC

QTY: 1 FL / - / 4 / - / - / R / -
Scale = 1875" / Ft.

PLT TYP. 18 Gauge HS, Wave

Scale = .1875"/Ft.

TC	11	20	0	PSE	PSE	D0328	10103
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TC 11	20 0 PSE
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TC DL	10.0 PSE	DATE	11/04/08
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[illegible]

BC DL	10.0 PSF	URW HCUSR8228 08309065
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BC LL	0.0 PSF	HC-ENG DF/DF
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TOT.LD.	40.0 PSF	SEQN-	109297
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DUR. FAC.	1.25	FROM	AH
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SPACING	34 7"	IRREF	1TMC032070F
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ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

Nov 04 08

****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE IBC AND DOES NOT CONSTITUTE AN ERROR OR OMISSION. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE IBC AND DOES NOT CONSTITUTE AN ERROR OR OMISSION. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE IBC AND DOES NOT CONSTITUTE AN ERROR OR OMISSION. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE IBC AND DOES NOT CONSTITUTE AN ERROR OR OMISSION.

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.

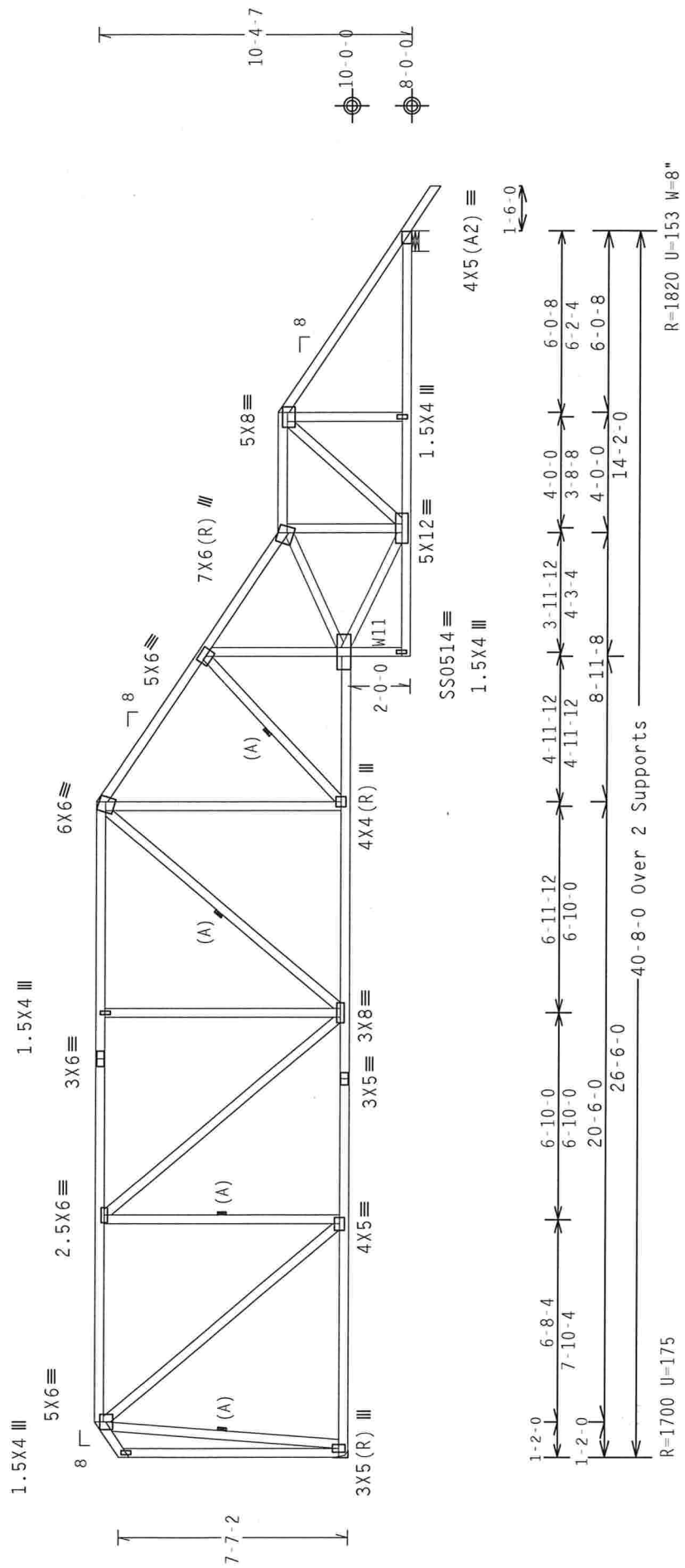
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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 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

QTY:1

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

Scale =.1875"/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- 18194
DATE 11/04/08
DRW HCUSR8228 08309031
HC-ENG DF/DF
SEQN- 109270
FROM AH
JREF- 1TMC8228205

ITW 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 BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, TRUSS PLATE INSTITUTE, 110 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, 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 NDS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/166A (4-M/SS/A) 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. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHALL BE THE DESIGNER'S RESPONSIBILITY. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

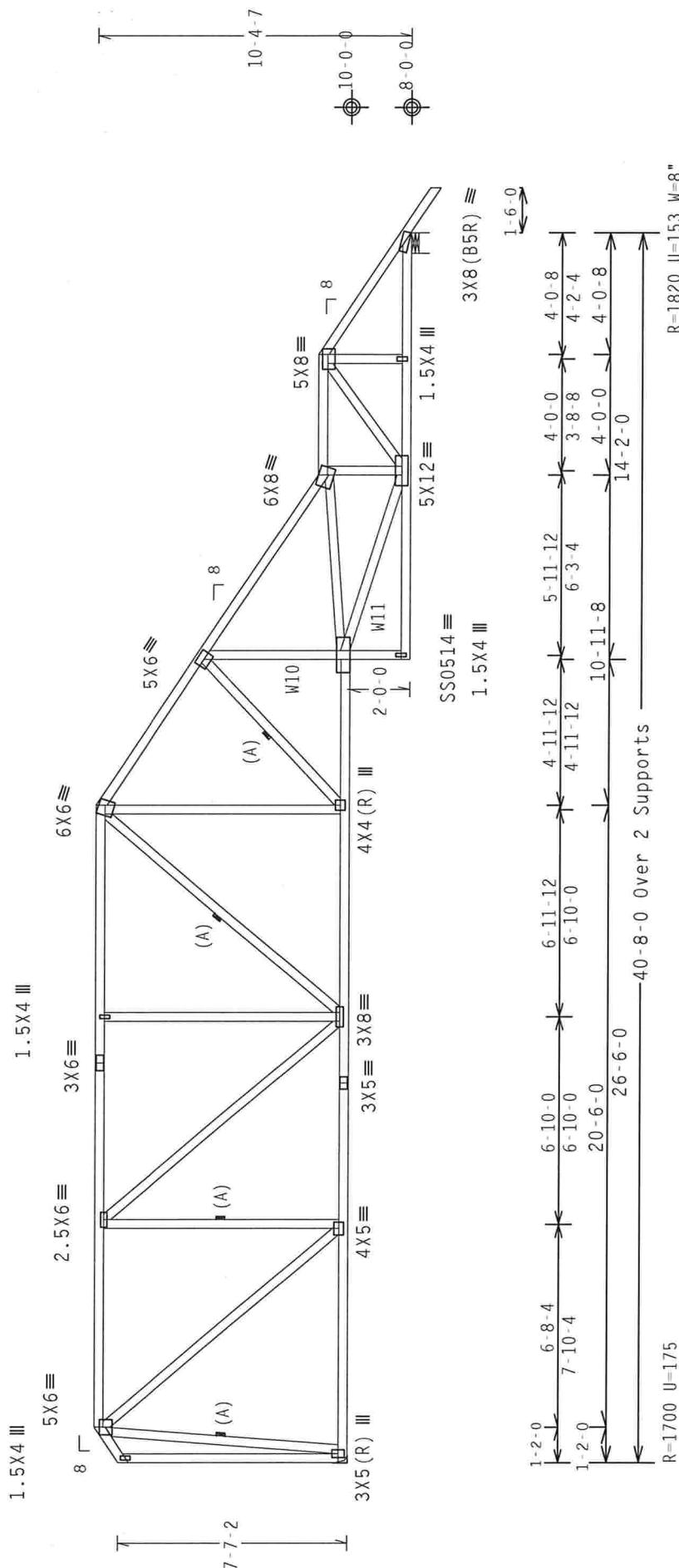
111110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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.

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



R=1700 U=175

R=1820 H=153 W=8"

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

00 ~~13440000~~ QTY:1 FL/-/4/-/-/R/-
Scale = 1875"/Ft.

Scale = .1875"/Ft.

EF R8228- 18195

ATE 11/04/08

DLI HELLSP8228 08200038

02060380 8278NC2H MY

C-ENG DF/DF

EQN- 109277

ROM AH

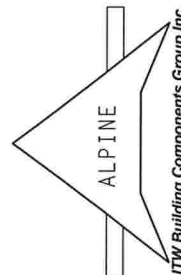
REF- 1TMC8228Z05

*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPONENTS INFORMATION) CENTER, PUBLISHED BY IPTI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA, ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE 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 CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AISC) AND TPI, ITC. CONNECTOR PLATES ARE MADE OF 20/18/16GA (IN./MSS/A510) ASTM A663 GRADE 40/60 (IN. K/H/S) GALV. STEEL, APPLY PLATE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T60A-2 THROUGH T60A-7. SHALL BE PER AREA AS OF TPI-2002 SEC. 3.

DRAWING INDICATES ACCEPTANCE PROVISIONS FOR THE TRUSS COMPONENT OF THE BUILDING. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER. SEE SUB/I/TPI 1 SEC. 2.



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

NOV 19 1964

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W12, W13 2x4 SP #2 Dense:

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located
within 6.00 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.

Left end vertical not exposed to wind pressure.

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

Trusses to be spaced at 33.0" OC maximum.

1.5X4 III

5X5 III

3X4 III

3X6 III

3X4 III

5X6 III

1.5X4 III

3X4 III

3X6 III

3X4 III

5X6 III

1.5X4 III

3X4 III

3X6 III

3X4 III

5X6 III

1.5X4 III

3X4 III

3X6 III

3X4 III

5X6 III

1.5X4 III

3X4 III

3X6 III

3X4 III

5X6 III

1.5X4 III

3X4 III

3X6 III

3X4 III

5X6 III

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 @12.00" o.c.

Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails

in each row to avoid splitting.

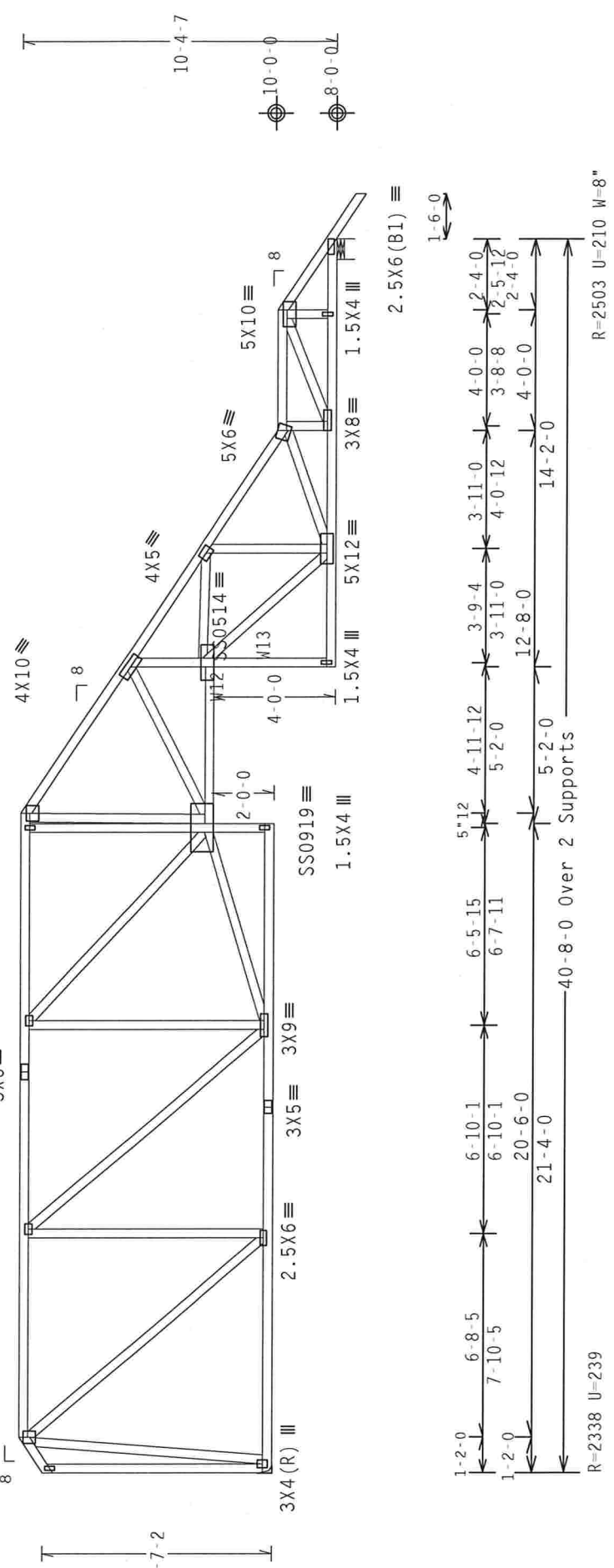
Roof overhang supports 2.00 psf soffit load.

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

due to dead 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

PLT TYP. 18 Gauge HS,Wave

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

7.36.00

QTY:1

FL/-4/-/-R/-

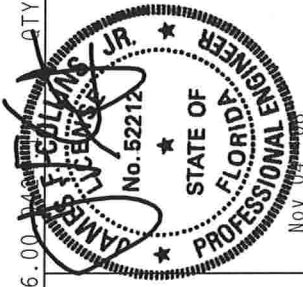
Scale = .1875"/Ft.

****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, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

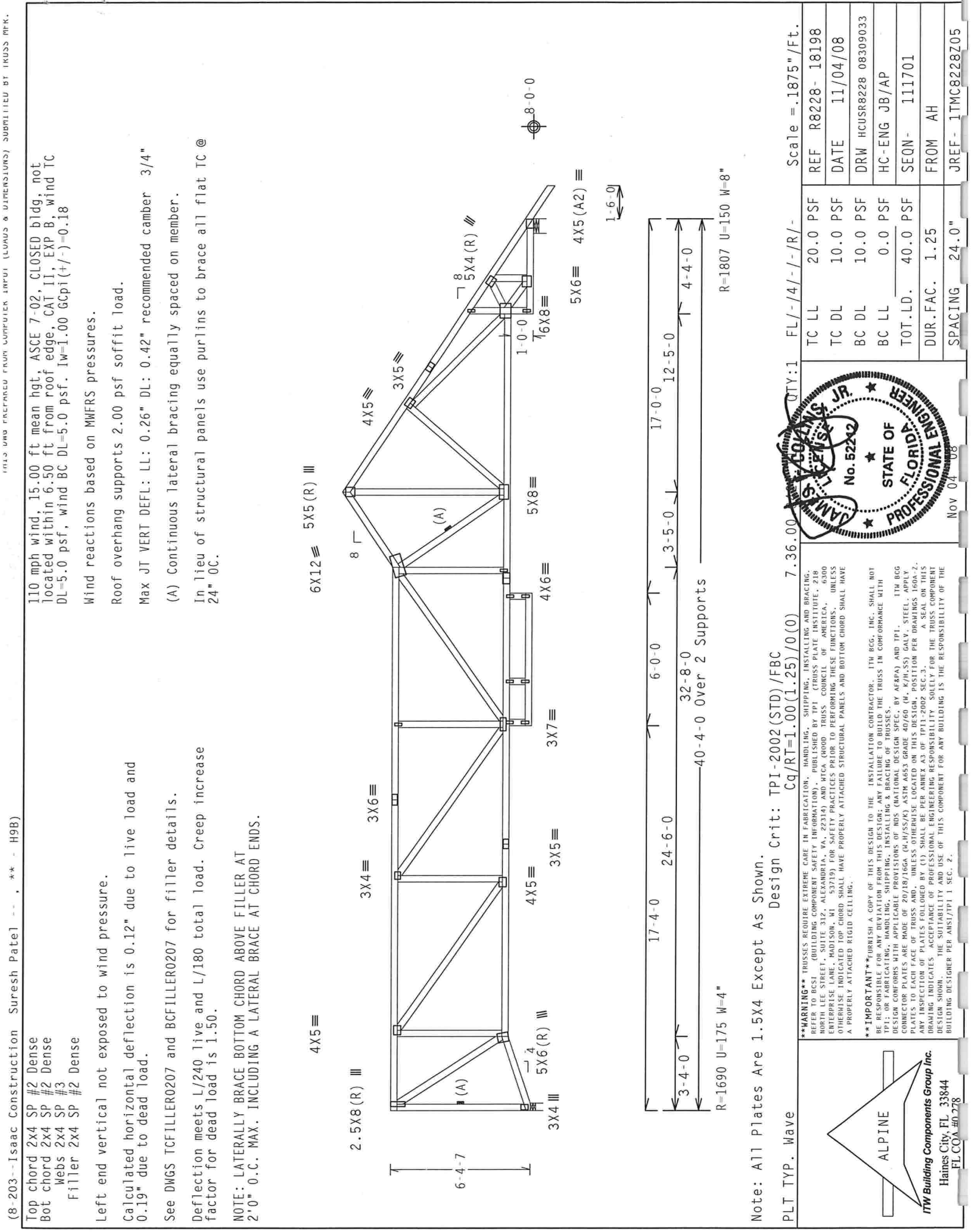
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/160A (4-H/55/7K) ASH A653 GRADE 40/60 (4, 4/H/55) GALV. STEEL. APPLY A SEAL ON THIS DESIGN. 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



TC LL	20.0 PSF	REF	R8228 - 18196
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309030
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	109320
DUR.FAC.	1.25	FROM	AH
SPACING	33.0"	JREF-	ITMC8228705



(8-203--Isaac Construction Suresh Patel --, ** - H9B)

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

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.

Scale = .1875"/Ft.

Design Crit: TPI-2002 (STD) / FBC

PLT TYP. Wave

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002 (STD) / FBC

Scale = .1875"/Ft.

REF R8228- 18198

DATE 11/04/08

DRW HCUSR8228 08309033

HC-ENG JB/AP

SEQN- 111701

FROM AH

JREF- 1TMC8228Z05

Nov 04 '08

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0228

Professional Engineer Seal: State of Florida, No. 52242, JAMES V. GOINGS JR.

	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.

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

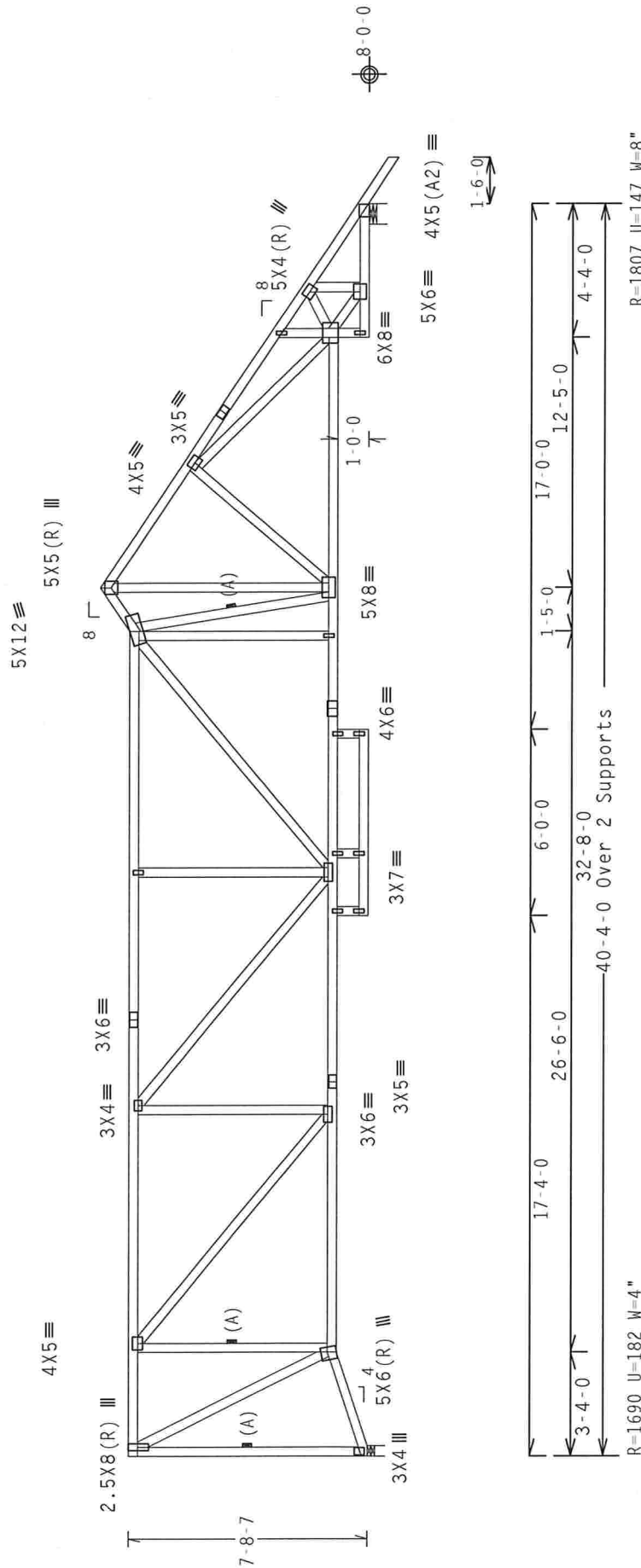
Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

Max JT VERT DEFL: LL: 0.23" DL: 0.38" recommended camber 5/8"

(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

PLT TYP. Wave

 $Cq/RT=1.00(1.25)/0.01$

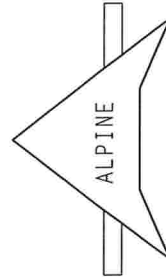
F11-141-1-1R1-

$$\text{Scale} = 1875''/\text{Foot}$$
[illegible]

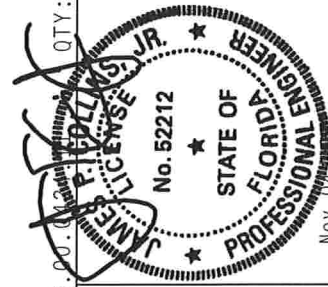
****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, LLC, SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH CPT; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/166A (M/MSK) ASTM A563 GRADE 40/60 (N/H-SS) 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 ANNEX 4.3 OF TPI-2002 SEC.2.

DRAWING INDICATES ACCEPTANCE 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 #0278



TC LL	20.0 PSF	REF	R8228- 18199
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309034
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	111718
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05

Top chord	2x4	SP	#2	Dense
Not chord	2x4	SP	#2	Dense
Webbs	2x4	SP	#3	
Filler	2x4	SP	#2	Dense

110 mph wind, 15.00 ft mean hat, 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.

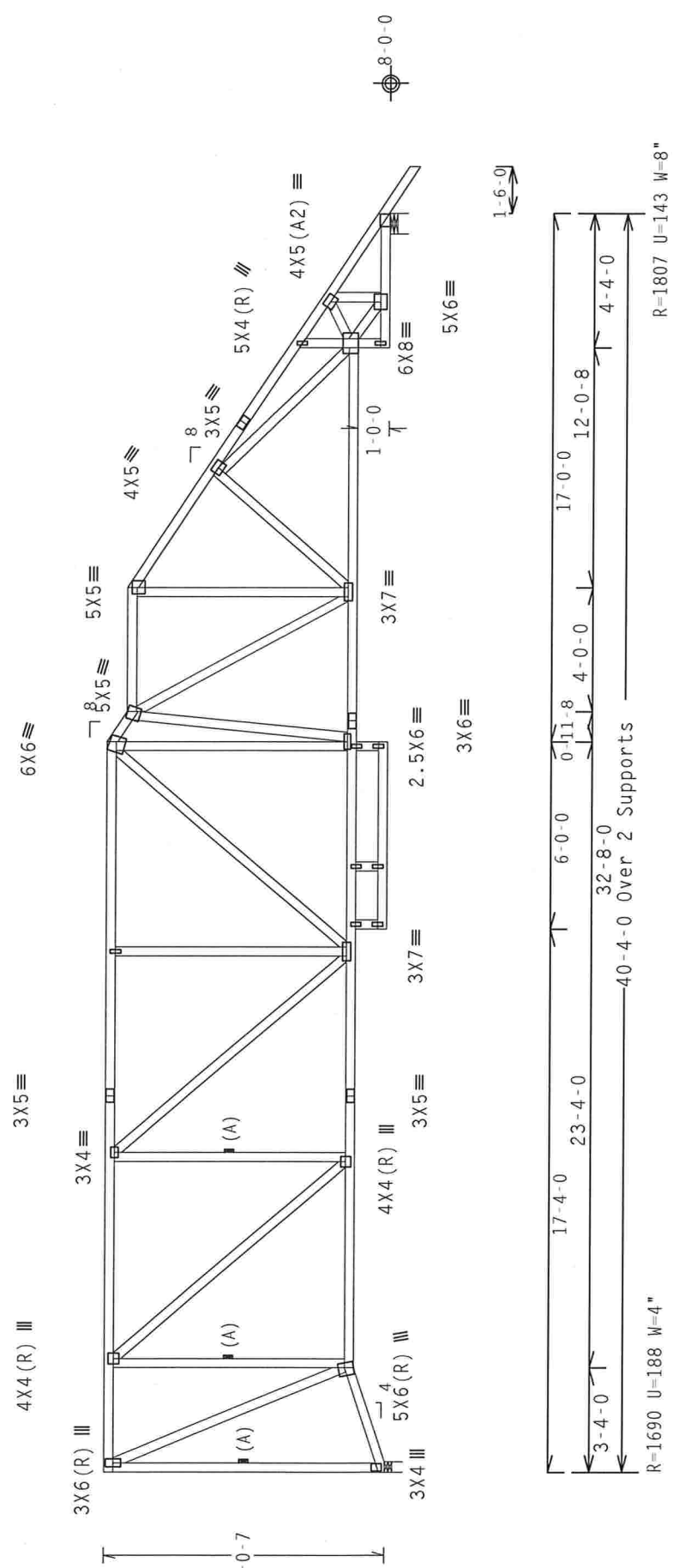
Roof overhang supports 2.00 psf soffit load.

Max JT VERT DEFL: LL: 0.17" 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 1'0" 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) 7.36.00

$$\text{Scale} = .1875" / \text{Ft.}$$

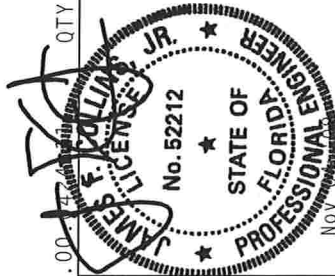
****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING CONSTRUCTION INFORMATION), PUBLISHED BY TPI (THUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD THUSS COMPANY, 6300 3RD ENTERPRISE 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 FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONCEPTS AND MATERIALS: THE DESIGN OF THIS TRUSS SYSTEM, INCLUDING THE TRUSS, STEEL JOIST, AND CONNECTOR PLATES ARE MADE OF 2009/19/16GA. (W/45X16) TRUSSES, 16X16X1/2 STEEL JOISTS, AND 16X16X1/2 CONNECTOR PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE SPECIFIED, POSITION PER APPROVED DETAIL.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBIX 45 OF 1971-2002 SEC. 3.

DRAWING INDICATES A 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/TP1 1 SEC. 2.



TC LL	20.0	PSF	REF	R8228- 18200
TC DL	10.0	PSF	DATE	11/04/08
BC DL	10.0	PSF	DRW	HCUSR8228 08309035
BC LL	0.0	PSF	HC-ENG	JB/AP
TOT.LD.	40.0	PSF	SEQN -	111730
DUR.FAC.	1.25		FROM	AH
SPACING	24.0"		JREF -	1TMC8228Z05

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.

Calculated horizontal deflection is 0.10" due to live load and 0.16" due to dead load.

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

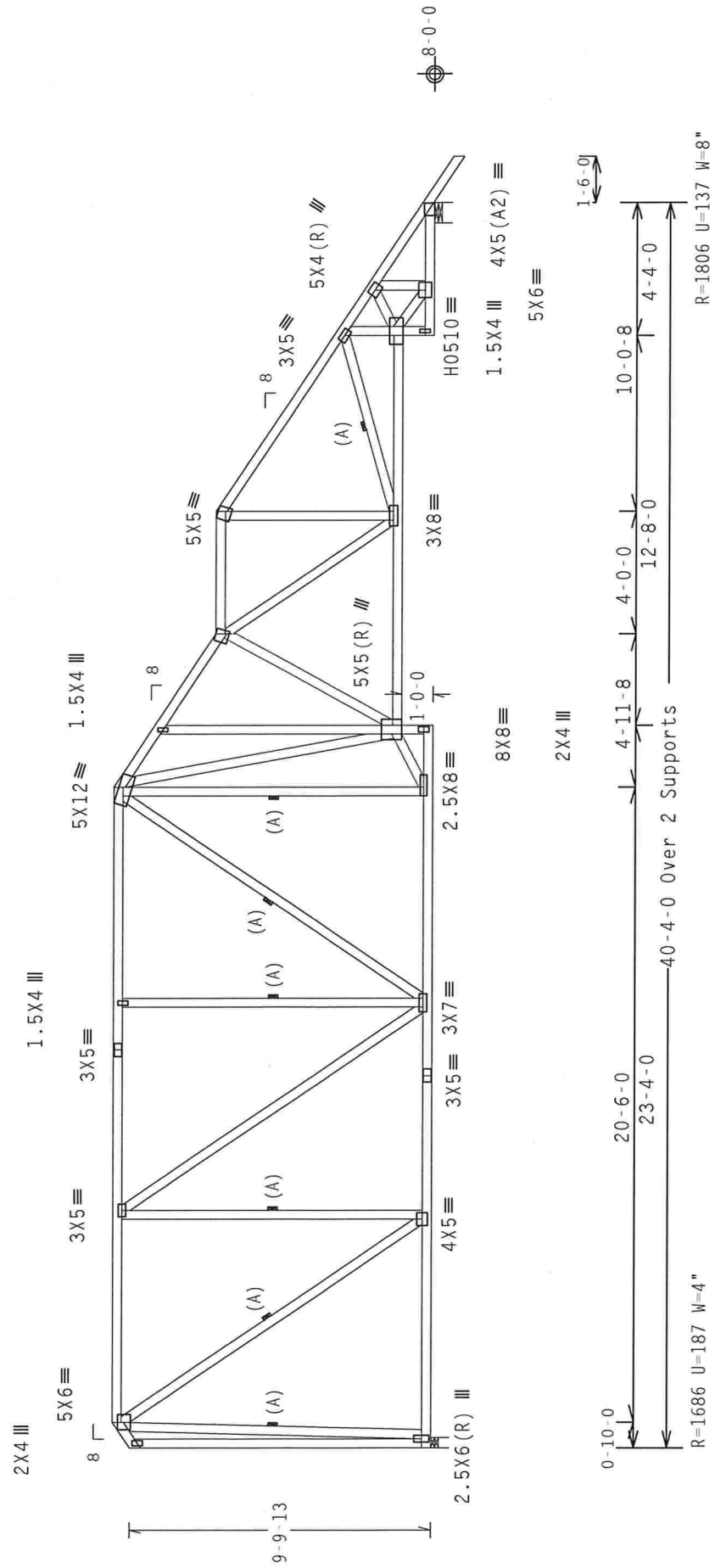
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

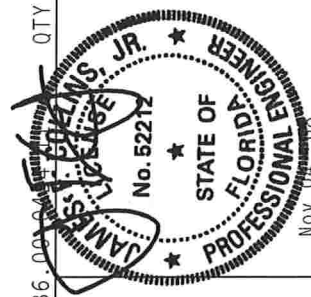
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



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

Scale = 1875"/Ft.

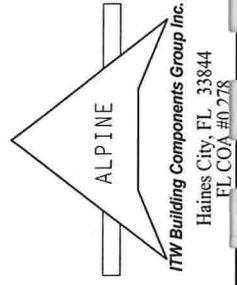
TC LL	20.0	PSF	REF	R8228-	18201
TC DL	10.0	PSF	DATE	11/04/08	
BC DL	10.0	PSF	DRW	HCUSR8228	08309010
BC LL	0.0	PSF	HC-ENG	JB/AP	*
TOT.LD.	40.0	PSF	SEQN-	111737	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TMC8228Z05	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENTS INFORMATION) - PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 2718 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MTCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 NORTH TREE STREET, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DO NOT COMBINE WITH APPLICABLE PORTIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/PDA) AND TPI's. ITW BCG HAS BEEN DESIGNED TO MEET ALL REQUIREMENTS OF NDS (NATIONAL DESIGN SPEC.) AND TPI's. GALVA STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, PER TPI'S. TYPICAL DETAILING OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

110 mph wind, 15.00 ft mean htg, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

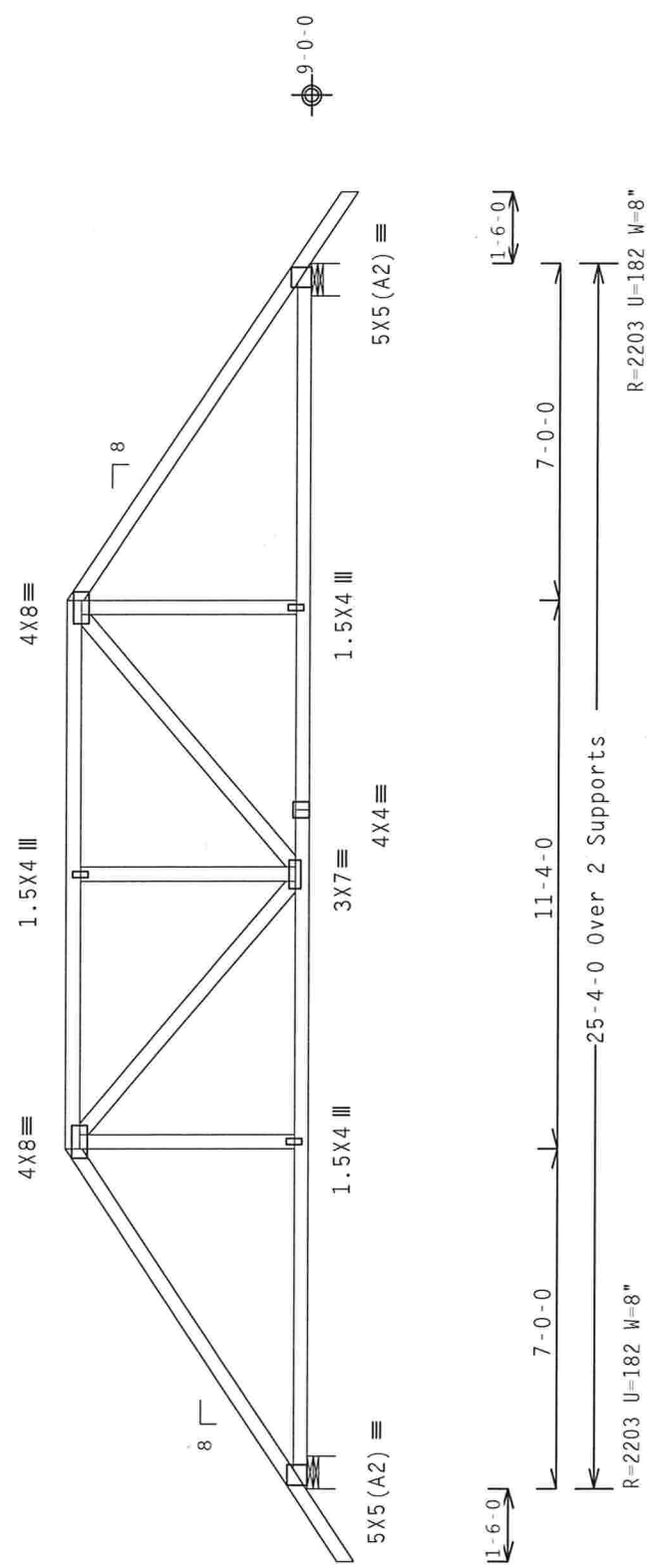
Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

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



R=2203 U=182 W=8"

-25-4-0 Over 2 Supports

R=2203 U=182 W=8"

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

Scale = .25"/Ft.

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

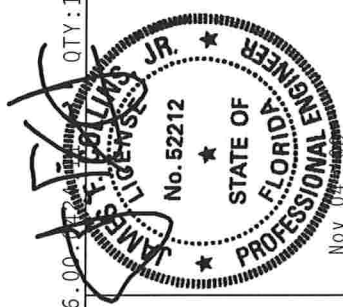
Scale = .25"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE CRUISS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAIL FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NATIONAL STEEL DECKING BRACING TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NATIONAL STEEL DECKING BRACING TRUSSES. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA OR 18/16/14 GA, UNLESS OTHERWISE SPECIFIED BY RFEPD) AND TP1. PLATES TO EACH FACE OF TRUSS AND, WHEN REQUIRED, LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2 THROUGH 160A-7. ALL WELDS SHALL BE AS PER AMERICAN WELDING SOCIETY (AWS) D1.1M 2002 SEC.3.

IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN WELDING SOCIETY (AWS) D1.1M 2002 SEC.3. DRAMING 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 DESIGNING DESIGNER PER AISC/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

Roof overhang supports 2.00 psf soffit load.

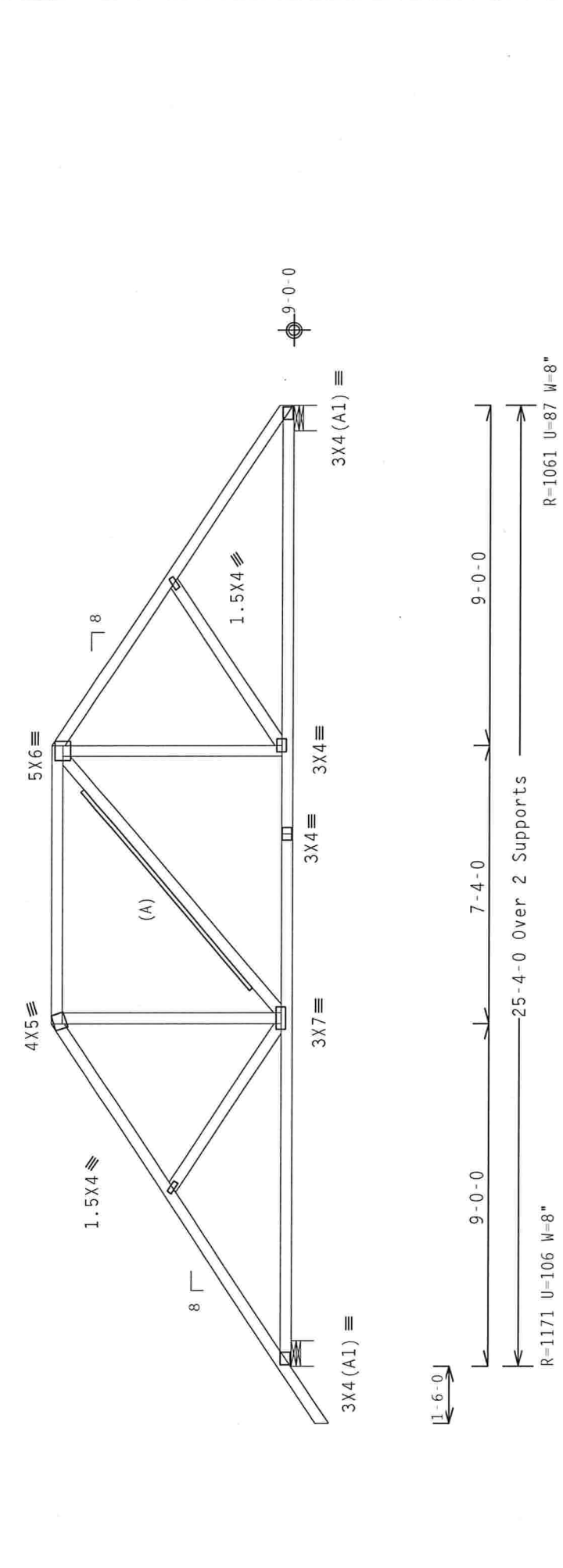
(A) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5".min.)nails @ 6" OC.

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

Wind reactions based on MWFRS pressures.

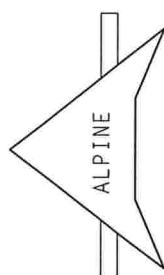
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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



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

PLT TYP. Wave



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

JAMES S. COLANS JR.
No. 52312
STATE OF FLORIDA
PROFESSIONAL ENGINEER
NOV 04 08

Scale = .25" / Ft.

TC LL	20.0 PSF	REF	R8228- 18203
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309011
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEON-	111542
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05

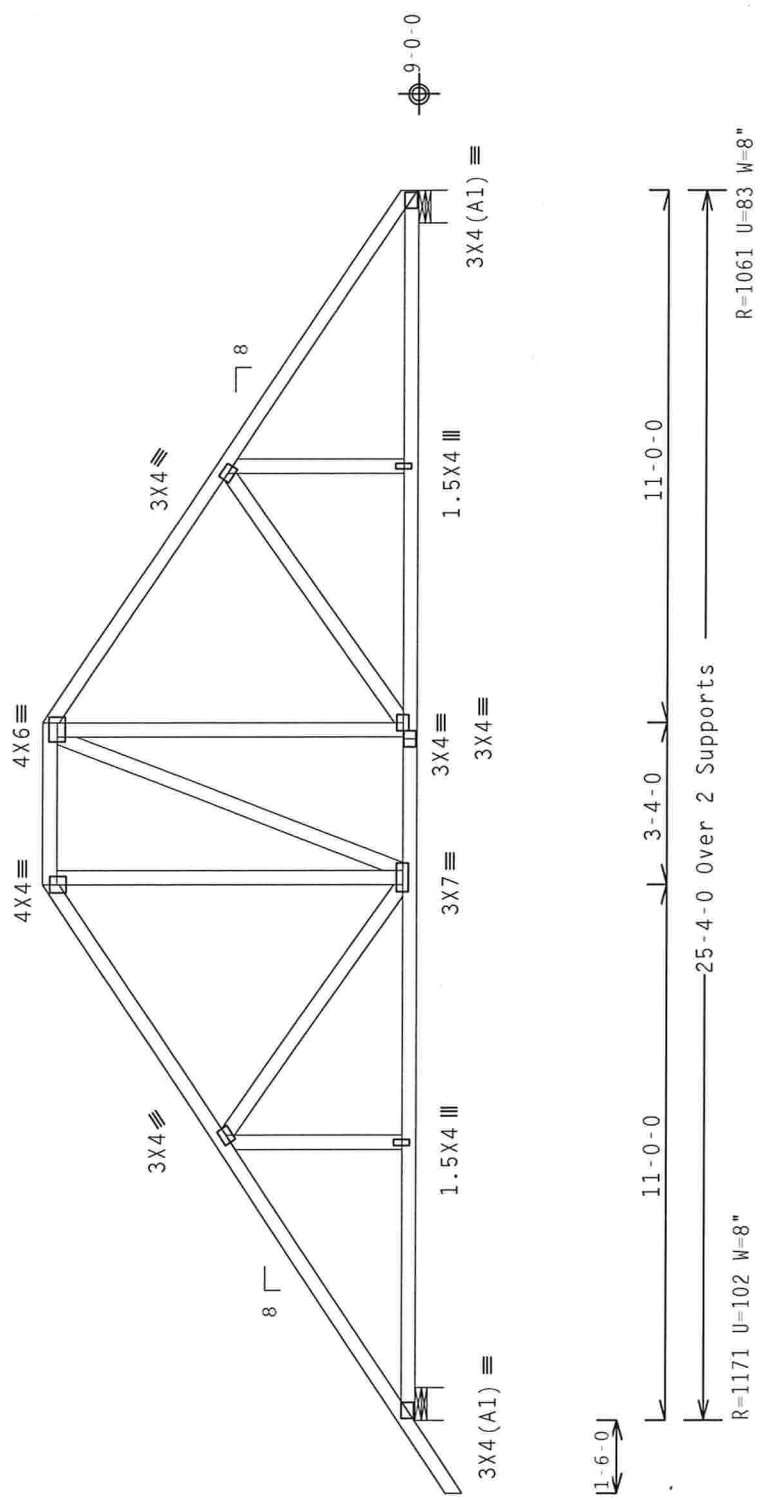
Top	Chord	2x4	SP	#2	Dense
Not	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

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

Roof overhang supports 2.00 psf soffit load.

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

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

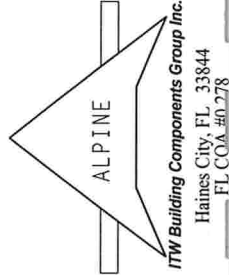


Design Crit: TPI-2002(STD)/FBC
Cq/RT-1.00(1.25)/

00 ~~24~~ 4 ~~24~~ QTY: 1 FL / - / 4 / - / - / R / - Scale = .25" / Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY THE MANUFACTURER FOR COMPLETE INSTRUCTIONS. TRUSS COMPANY, 2200 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314, AND WEA (WOOD TRUSS COUNCIL OF AMERICA), ENTERPRISE LANE, MOISUM, 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 A PROPERLY ATTACHED RIGID CEILING.

*****IMPORTANT***** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN CONFORMS WITH ACCEPTANCE OF THE DESIGN. PROVIDING, INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATES ARE MADE OF 2018/1860A, Q195/50SI, ASTM A653 GRADE 40/60, Q195/50 GALV. STEEL, APPROX. 17U BCG PLATES TO EACH FACE OF TRUSS AND, UNLESS/RYE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX/TP11 SEC. 2.



TC LL	20.0 PSF	REF	R8228 - 18204
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309012
BC LL	0.0 PSF	HC-ENG	JB/AP *
TOT.LD.	40.0 PSF	SEQN -	111547
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1TMC8228Z05

(8-203--Isaac Construction Suresh Patel --, ** - C1)

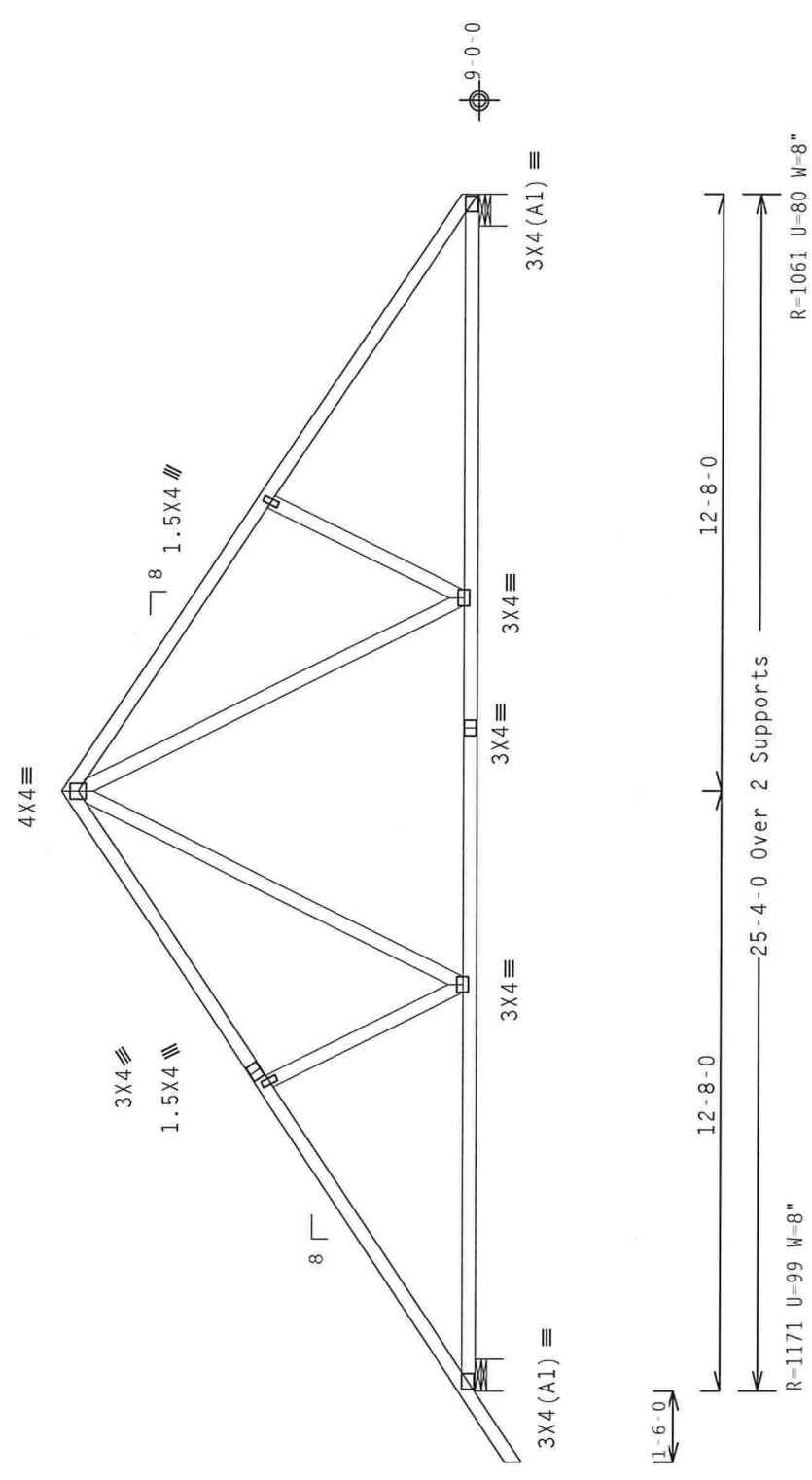
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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



PLT TYP. Wave

ALPINE

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

Design Crit: TPI-2002(STD)/FBC

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

7.36-00-04

QTY: 1

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

Scale = .25"/Ft.

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

REF R8228- 18205

DATE 11/04/08

DRW HCUSR8228 08309013

HC-ENG JB/AP

SEQN- 111552

FROM AH

JREF- 1TMC8228Z05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESI BUILDING COMPONENT SAFETY INSTRUCTIONS, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND WEA (WOOD TRUSS) COUNCIL MANUAL, 100 ENTERPRISE LANE, MADISON, MI 483719 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 AF&PA) AND TPI1. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (M/H/SS/K) ASTM A653 GRADE 40/60 (W, R/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 ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

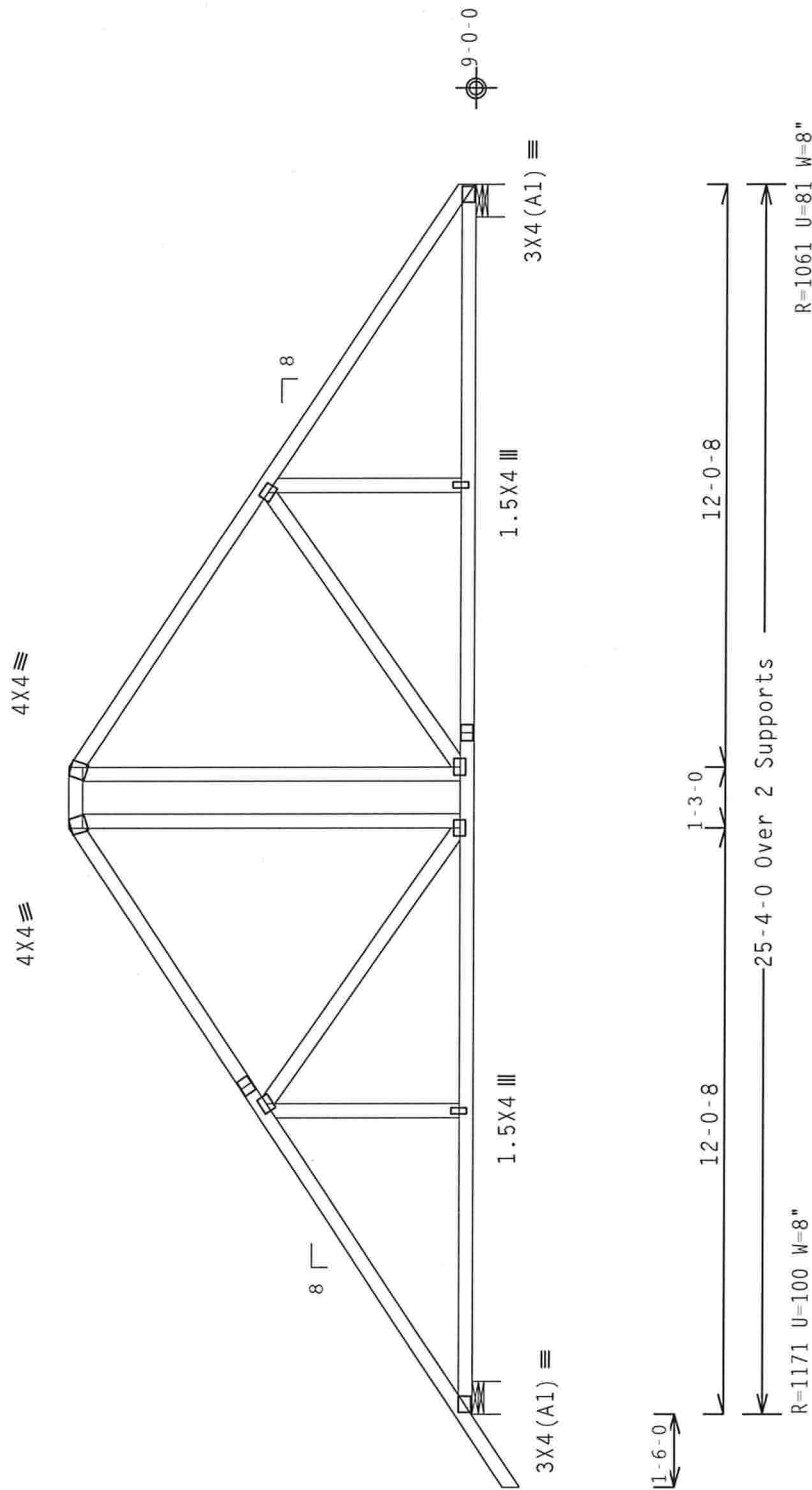
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

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

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

WARNING: THUSSES REQUIRE EXTREME CARE IN HANDLING. SHIPPING, INSTALLING AND BRACING MUST BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ALWAYS PLATE JOINTS, 2" MIN. REFER TO BCS (BUILDING COMPONENT SAFETY INFORMATION) FOR MORE INFORMATION. ALWAYS USE NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND THUSSES, CONNECT THESE PANELS TO THE STRUCTURE. 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- 18206
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 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-	1TMC82282705

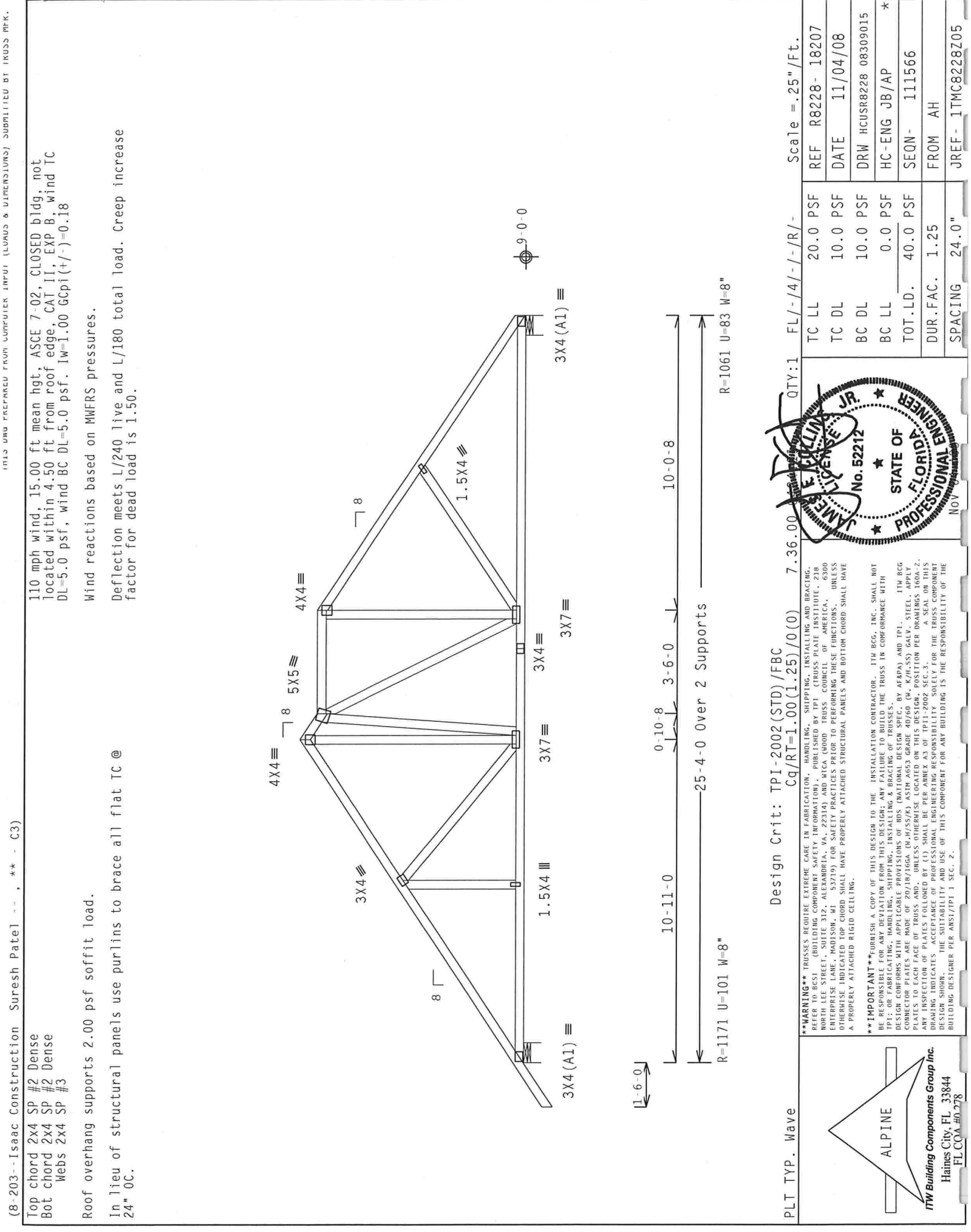
A circular professional engineer seal for the State of Florida. The outer ring contains the text "JAMES S. SULLIVAN, JR." at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by stars. The inner circle contains the text "LICENSE" on the left, "No. 52212" in the center, and "STATE OF FLORIDA"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

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278



(8-203--Isaac Construction Suresh Patel --, ** - C3)

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. 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.

Scale = .25" / Ft.

REF R8228- 18207

DATE 11/04/08

DRW HCUSR8228 08309015

HC-ENG JB/AP *

SEQN - 111566

FROM AH

JREF - 1TMC8228Z05

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/-

11-6-0

10-11-0

0-10-8

3-6-0

10-0-8

25-4-0 Over 2 Supports

R=1171 U=101 W=8"

R=1061 U=83 W=8"

3X4 (A1) =

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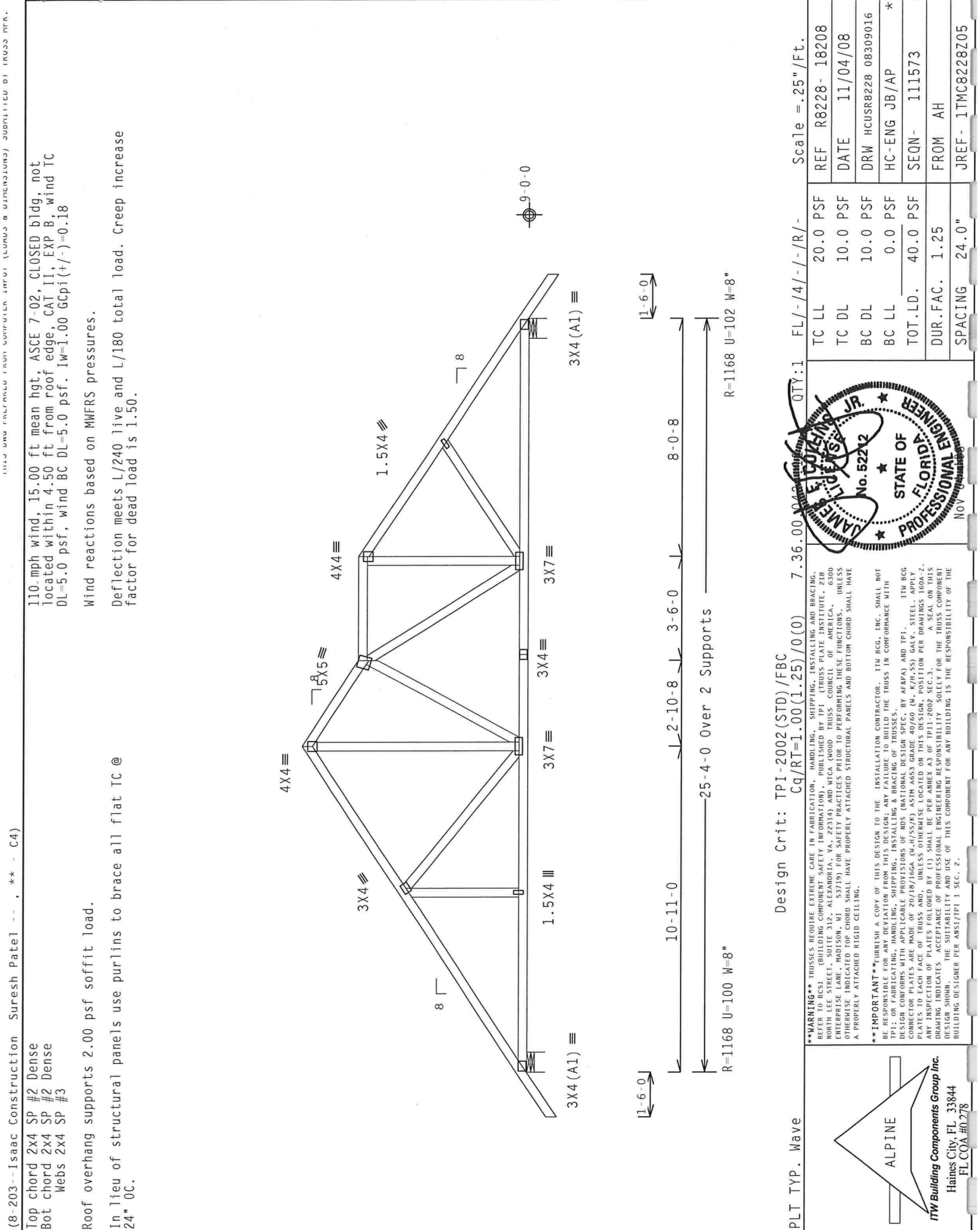
4X4 =

1.5X4 =

3X4 (A1) =

3X7 =

3X4 =



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.

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

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.

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.00 1042 1042 QTY: 1 FL/-/4/-/1-/R/-

Scale = .25"/ft.

PLT TYP. Wave

REF R8228- 18208
DATE 11/04/08
DRW HCUSR8228 08309016
HC-ENG JB/AP
SEQN- 111573
FROM AH
JREF- 1TMC8228Z05

ALPINE

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

Nov 11 2008

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 52212
JAMES E. LUKINS JR.

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

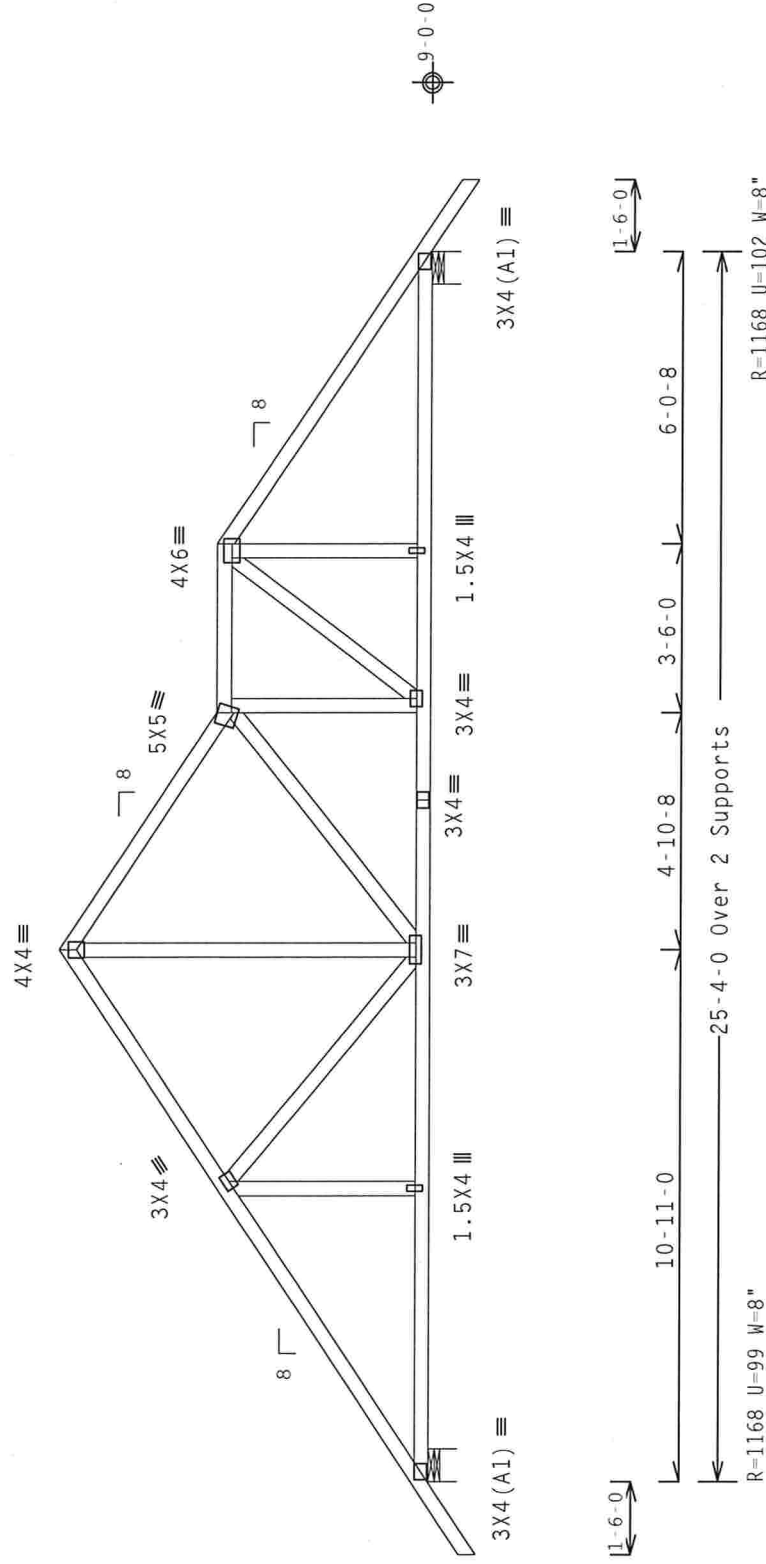
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ITW BCG CONTRACTOR PLATES ARE MADE OF 20/24/30/36/42/48/54/60/66/72/78/84/90/96/102/108/114/120/126/132/138/144/150/156/162/168/174/180/186/192/198/204/210/216/222/228/234/240/246/252/258/264/270/276/282/288/294/300/306/312/318/324/330/336/342/348/354/360/366/372/378/384/390/396/402/408/414/420/426/432/438/444/450/456/462/468/474/480/486/492/498/504/510/516/522/528/534/540/546/552/558/564/570/576/582/588/594/600/606/612/618/624/630/636/642/648/654/660/666/672/678/684/690/696/702/708/714/720/726/732/738/744/750/756/762/768/774/780/786/792/798/804/810/816/822/828/834/840/846/852/858/864/870/876/882/888/894/900/906/912/918/924/930/936/942/948/954/960/966/972/978/984/990/996/1002/1008/1014/1020/1026/1032/1038/1044/1050/1056/1062/1068/1074/1080/1086/1092/1098/1104/1110/1116/1122/1128/1134/1140/1146/1152/1158/1164/1170/1176/1182/1188/1194/1200/1206/1212/1218/1224/1230/1236/1242/1248/1254/1260/1266/1272/1278/1284/1290/1296/1302/1308/1314/1320/1326/1332/1338/1344/1350/1356/1362/1368/1374/1380/1386/1392/1398/1404/1410/1416/1422/1428/1434/1440/1446/1452/1458/1464/1470/1476/1482/1488/1494/1500/1506/1512/1518/1524/1530/1536/1542/1548/1554/1560/1566/1572/1578/1584/1590/1596/1602/1608/1614/1620/1626/1632/1638/1644/1650/1656/1662/1668/1674/1680/1686/1692/1698/1704/1710/1716/1722/1728/1734/1740/1746/1752/1758/1764/1770/1776/1782/1788/1794/1800/1806/1812/1818/1824/1830/1836/1842/1848/1854/1860/1866/1872/1878/1884/1890/1896/1902/1908/1914/1920/1926/1932/1938/1944/1950/1956/1962/1968/1974/1980/1986/1992/1998/2004/2010/2016/2022/2028/2034/2040/2046/2052/2058/2064/2070/2076/2082/2088/2094/2100/2106/2112/2118/2124/2130/2136/2142/2148/2154/2160/2166/2172/2178/2184/2190/2196/2202/2208/2214/2220/2226/2232/2238/2244/2250/2256/2262/2268/2274/2280/2286/2292/2298/2304/2310/2316/2322/2328/2334/2340/2346/2352/2358/2364/2370/2376/2382/2388/2394/2400/2406/2412/2418/2424/2430/2436/2442/2448/2454/2460/2466/2472/2478/2484/2490/2496/2502/2508/2514/2520/2526/2532/2538/2544/2550/2556/2562/2568/2574/2580/2586/2592/2598/2604/2610/2616/2622/2628/2634/2640/2646/2652/2658/2664/2670/2676/2682/2688/2694/2700/2706/2712/2718/2724/2730/2736/2742/2748/2754/2760/2766/2772/2778/2784/2790/2796/2802/2808/2814/2820/2826/2832/2838/2844/2850/2856/2862/2868/2874/2880/2886/2892/2898/2904/2910/2916/2922/2928/2934/2940/2946/2952/2958/2964/2970/2976/2982/2988/2994/3000/3006/3012/3018/3024/3030/3036/3042/3048/3054/3060/3066/3072/3078/3084/3090/3096/3102/3108/3114/3120/3126/3132/3138/3144/3150/3156/3162/3168/3174/3180/3186/3192/3198/3204/3210/3216/3222/3228/3234/3240/3246/3252/3258/3264/3270/3276/3282/3288/3294/3300/3306/3312/3318/3324/3330/3336/3342/3348/3354/3360/3366/3372/3378/3384/3390/3396/3402/3408/3414/3420/3426/3432/3438/3444/3450/3456/3462/3468/3474/3480/3486/3492/3498/3504/3510/3516/3522/3528/3534/3540/3546/3552/3558/3564/3570/3576/3582/3588/3594/3600/3606/3612/3618/3624/3630/3636/3642/3648/3654/3660/3666/3672/3678/3684/3690/3696/3702/3708/3714/3720/3726/3732/3738/3744/3750/3756/3762/3768/3774/3780/3786/3792/3798/3804/3810/3816/3822/3828/3834/3840/3846/3852/3858/3864/3870/3876/3882/3888/3894/3900/3906/3912/3918/3924/3930/3936/3942/3948/3954/3960/3966/3972/3978/3984/3990/3996/4002/4008/4014/4020/4026/4032/4038/4044/4050/4056/4062/4068/4074/4080/4086/4092/4098/4104/4110/4116/4122/4128/4134/4140/4146/4152/4158/4164/4170/4176/4182/4188/4194/4200/4206/4212/4218/4224/4230/4236/4242/4248/4254/4260/4266/4272/4278/4284/4290/4296/4302/4308/4314/4320/4326/4332/4338/4344/4350/4356/4362/4368/4374/4380/4386/4392/4398/4404/4410/4416/4422/4428/4434/4440/4446/4452/4458/4464/4470/4476/4482/4488/4494/4500/4506/4512/4518/4524/4530/4536/4542/4548/4554/4560/4566/4572/4578/4584/4590/4596/4602/4608/4614/4620/4626/4632/4638/4644/4650/4656/4662/4668/4674/4680/4686/4692/4698/4704/4710/4716/4722/4728/4734/4740/4746/4752/4758/4764/4770/4776/4782/4788/4794/4800/4806/4812/4818/4824/4830/4836/4842/4848/4854/4860/4866/4872/4878/4884/4890/4896/4902/4908/4914/4920/4926/4932/4938/4944/4950/4956/4962/4968/4974/4980/4986/4992/4998/5004/5010/5016/5022/5028/5034/5040/5046/5052/5058/5064/5070/5076/5082/5088/5094/5100/5106/5112/5118/5124/5130/5136/5142/5148/5154/5160/5166/5172/5178/5184/5190/5196/5202/5208/5214/5220/5226/5232/5238/5244/5250/5256/5262/5268/5274/5280/5286/5292/5298/5304/5310/5316/5322/5328/5334/5340/5346/5352/5358/5364/5370/5376/5382/5388/5394/5400/5406/5412/5418/5424/5430/5436/5442/5448/5454/5460/5466/5472/5478/5484/5490/5496/5502/5508/5514/5520/5526/5532/5538/5544/5550/5556/5562/5568/5574/5580/5586/5592/5598/5604/5610/5616/5622/5628/5634/5640/5646/5652/5658/5664/5670/5676/5682/5688/5694/5700/5706/5712/5718/5724/5730/5736/5742/5748/5754/5760/5766/5772/5778/5784/5790/5796/5802/5808/5814/5820/5826/5832/5838/5844/5850/5856/5862/5868/5874/5880/5886/5892/5898/5904/5910/5916/5922/5928/5934/5940/5946/5952/5958/5964/5970/5976/5982/5988/5994/6000/6006/6012/6018/6024/6030/6036/6042/6048/6054/6060/6066/6072/6078/6084/6090/6096/6102/6108/6114/6120/6126/6132/6138/6144/6150/6156/6162/6168/6174/6180/6186/6192/6198/6204/6210/6216/6222/622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110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, 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.

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

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

Scale = .25"/Ft.

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

~~00.00~~

$$(1.25)/0(0) \quad 7.$$
 $Cq/RT=1.0$

Desig.

p. Wave

PLT T

*****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (SUITE C) BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AICA (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.

[illegible]

ITW Building Components Group Inc.
Haines City, FL 33844

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

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

Wind reactions based on MWFRS pressures.

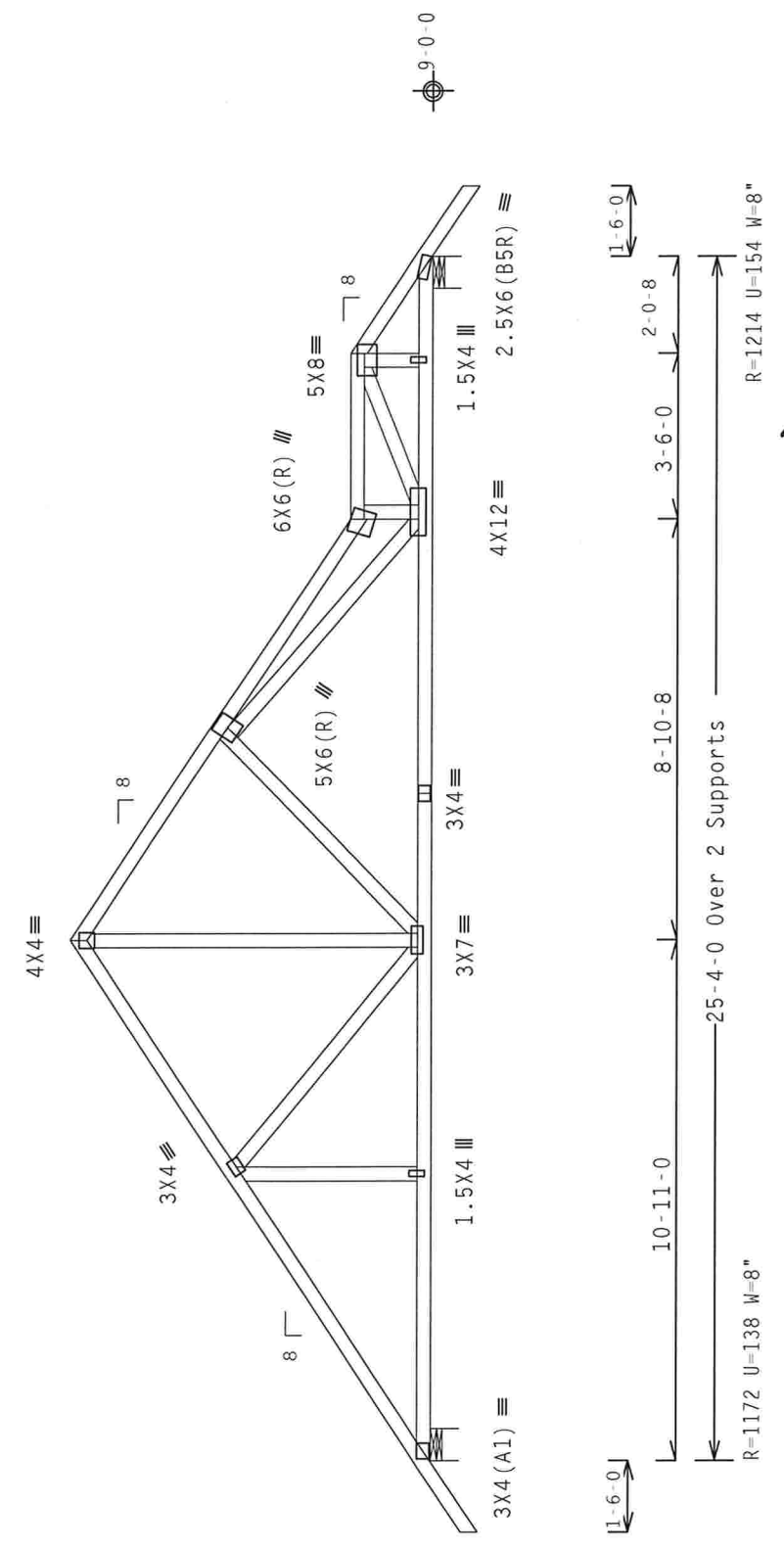
Roof overhang supports 2.00 psf soffit load.

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 10.92 to	64 PLF at 19.79
TC - From	64 PLF at 19.79 to
64 PLF at 19.79 to	64 PLF at 23.29
TC - From	64 PLF at 23.29 to
64 PLF at 23.29 to	64 PLF at 26.83
BC - From	5 PLF at -0.00 to
5 PLF at -0.00 to	5 PLF at 25.33
BC - From	20 PLF at 25.33 to
20 PLF at 25.33 to	5 PLF at 26.83
BC - From	40 LB Conc. Load at 23.29
40 LB Conc. Load at 23.29	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.

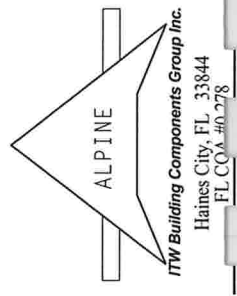
QTY: 1 FL/-4/-/-R/-

PLT TYP. Wave

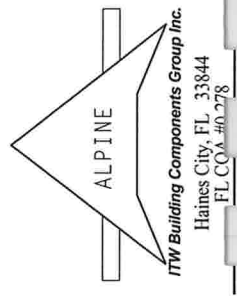
****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND AISC (WOOD TRUSS COUNCIL OF AMERICA, 6300 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 AND BRACING OF TRUSSES.

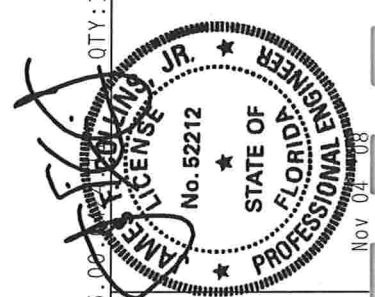
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2018/176GA (M/SS) ASTM A653 GRADE 40/60 (M/ K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2, 100A-3, 100A-4, 100A-5, 100A-6, 100A-7, 100A-8, 100A-9, 100A-10, 100A-11, 100A-12, 100A-13, 100A-14, 100A-15, 100A-16, 100A-17, 100A-18, 100A-19, 100A-20, 100A-21, 100A-22, 100A-23, 100A-24, 100A-25, 100A-26, 100A-27, 100A-28, 100A-29, 100A-30, 100A-31, 100A-32, 100A-33, 100A-34, 100A-35, 100A-36, 100A-37, 100A-38, 100A-39, 100A-40, 100A-41, 100A-42, 100A-43, 100A-44, 100A-45, 100A-46, 100A-47, 100A-48, 100A-49, 100A-50, 100A-51, 100A-52, 100A-53, 100A-54, 100A-55, 100A-56, 100A-57, 100A-58, 100A-59, 100A-60, 100A-61, 100A-62, 100A-63, 100A-64, 100A-65, 100A-66, 100A-67, 100A-68, 100A-69, 100A-70, 100A-71, 100A-72, 100A-73, 100A-74, 100A-75, 100A-76, 100A-77, 100A-78, 100A-79, 100A-80, 100A-81, 100A-82, 100A-83, 100A-84, 100A-85, 100A-86, 100A-87, 100A-88, 100A-89, 100A-90, 100A-91, 100A-92, 100A-93, 100A-94, 100A-95, 100A-96, 100A-97, 100A-98, 100A-99, 100A-100.



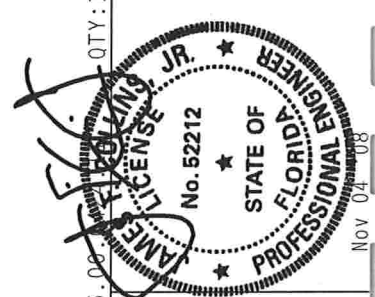
ALPINE



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



STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 52212
Nov 04 08



STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 52212
Nov 04 08

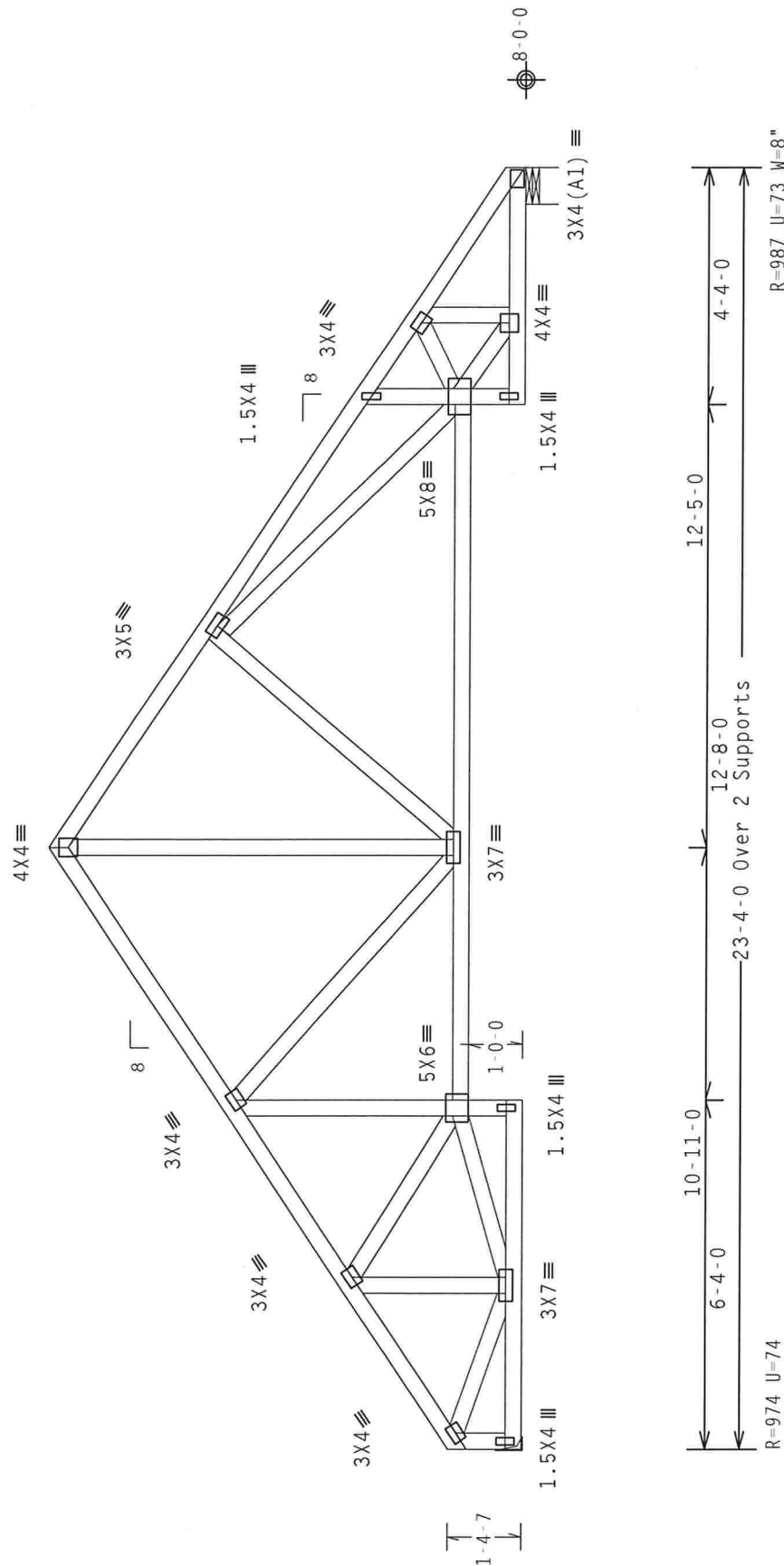
TC LL	20.0 PSF	REF	R8228- 18211
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309037
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEON-	111600
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TMC8228Z05

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

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.



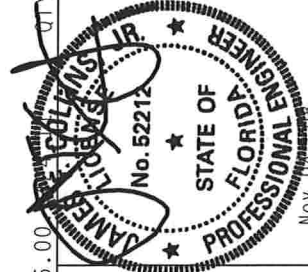
Design Crit: TPI-2002(STD)/FBC

5.00 ~~10.00~~ QTY: 1 FL / - / 4 / - / - / R / -
Scale = .3125" / Ft.

PLT TYP. Wave

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, TO REFER TO BEST BUILDING COMPONENTS COMPANY, INC., 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND VICTOR TRUSS CORPORATION, 1700 N. HIGHWAY 69, WILSONVILLE, OR 97150. UNLESS PLATE INSTALLED ON 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 REQUIREMENTS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), INC. DESIGNATION PER DRAWINGS 160A-2. PLATES TO EACH END OF TRUSS. 2018/17668 (14-17/SS76) ASTM A563 GRADE 50/60 (1/4" K/H=55) GALV. STEEL. APPLY AN INSPECTION OF PLATES FOLLOWED BY 100% SHALL BE THE SAME OF THE DESIGN. THE TRUSS COMPONENT DRAMING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TIP1 1 SEC. 2.

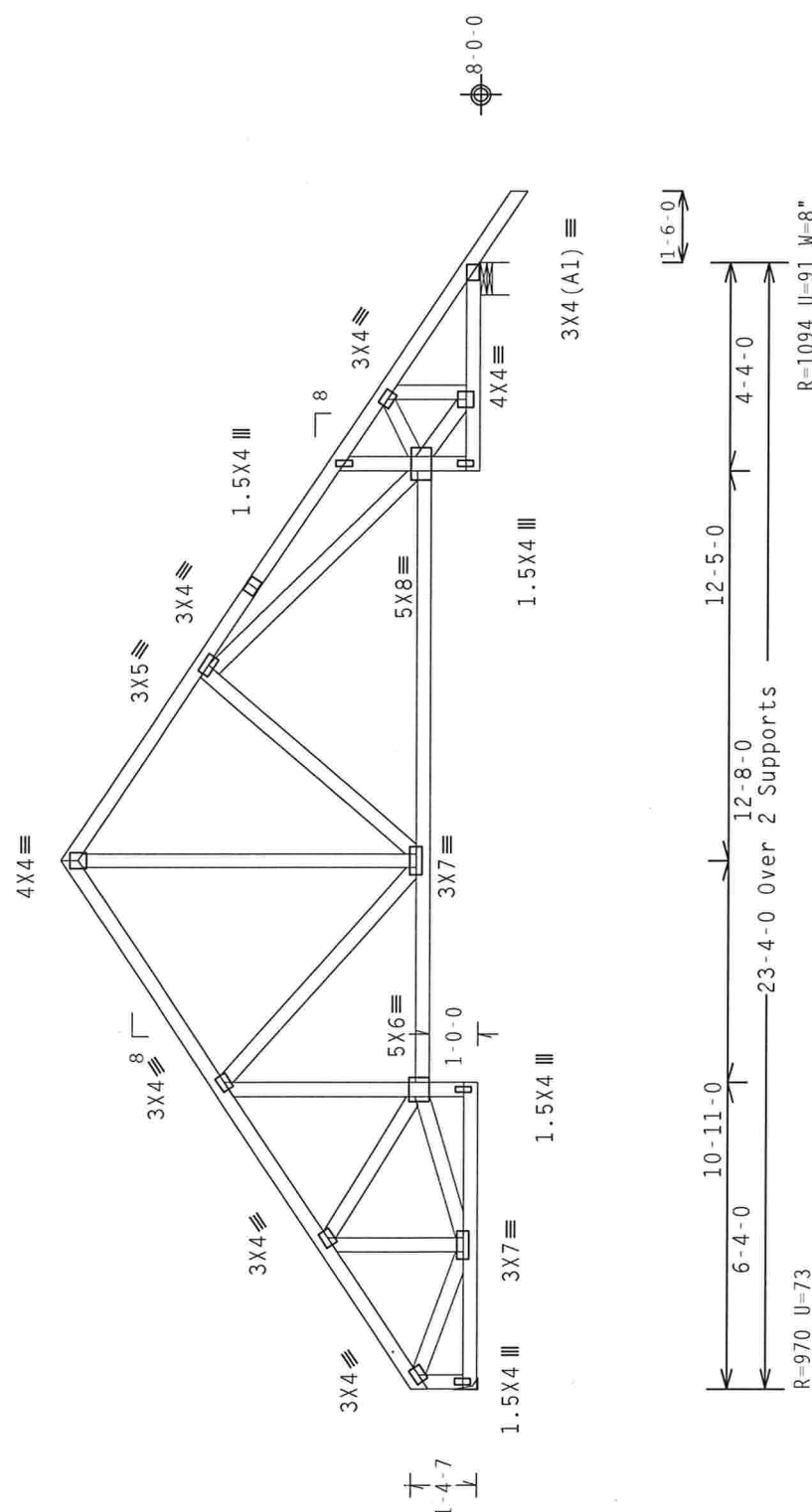


TC LL	20.0	PSF	REF	R8228-	18212
TC DL	10.0	PSF	DATE	11/04/08	
BC DL	10.0	PSF	DRW	HCUSR8228	08309038
BC LL	0.0	PSF	HC-ENG	JB/AP	
TOT.LD.	40.0	PSF	SEON-	111649	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TWC8228Z05	

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 1C 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)/

PLOT TYPE: Wave

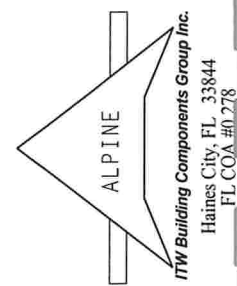
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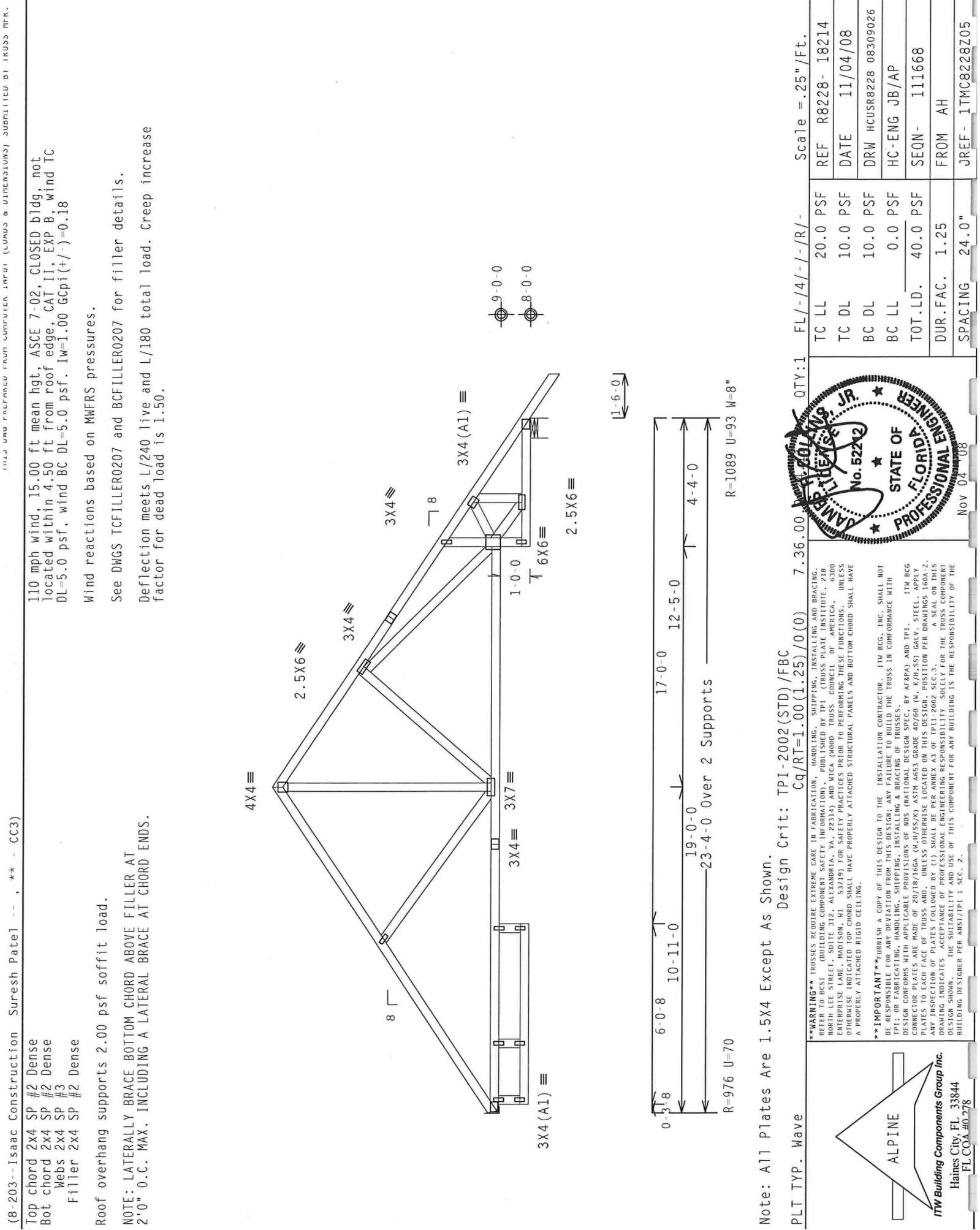
(OTV.1

Scale = .25" / Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN INFORMATION HANDLING. SHIPPING, INSTALLING AND BRACING REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY L. COUSINS FOR THE INSISTOITE, 2300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND NCTA (WOOD TRUSS COUNCIL OF AMERICA), ENTERPRISE LANE, MADISON, MI 48379. ALL 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.

TC LL	20.0	PSF	REF	R8228-	18213
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	SEON-	111659	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TMC8228Z05	





(8-203--Isaac Construction Suresh Patel --, ** - CC3)

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 Gcpi(+/-)=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.

Scale = .25" / Ft.

PLT TYP. Wave

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 / -

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- 18214

DATE 11/04/08

DRW HCUSR8228 08309026

HC-ENG JB/AP

SEQN- 111668

FROM AH

JREF- 1TMC8228Z05

Nov 04 '08

FLORIDA PROFESSIONAL ENGINEER

STATE OF FLORIDA

NO. 52242

JAMBERLY DENISE JR.

ENGINEER

FLORIDA PROFESSIONAL ENGINEER

STATE OF FLORIDA

NO. 52242

JAMBERLY DENISE JR.

ENGINEER

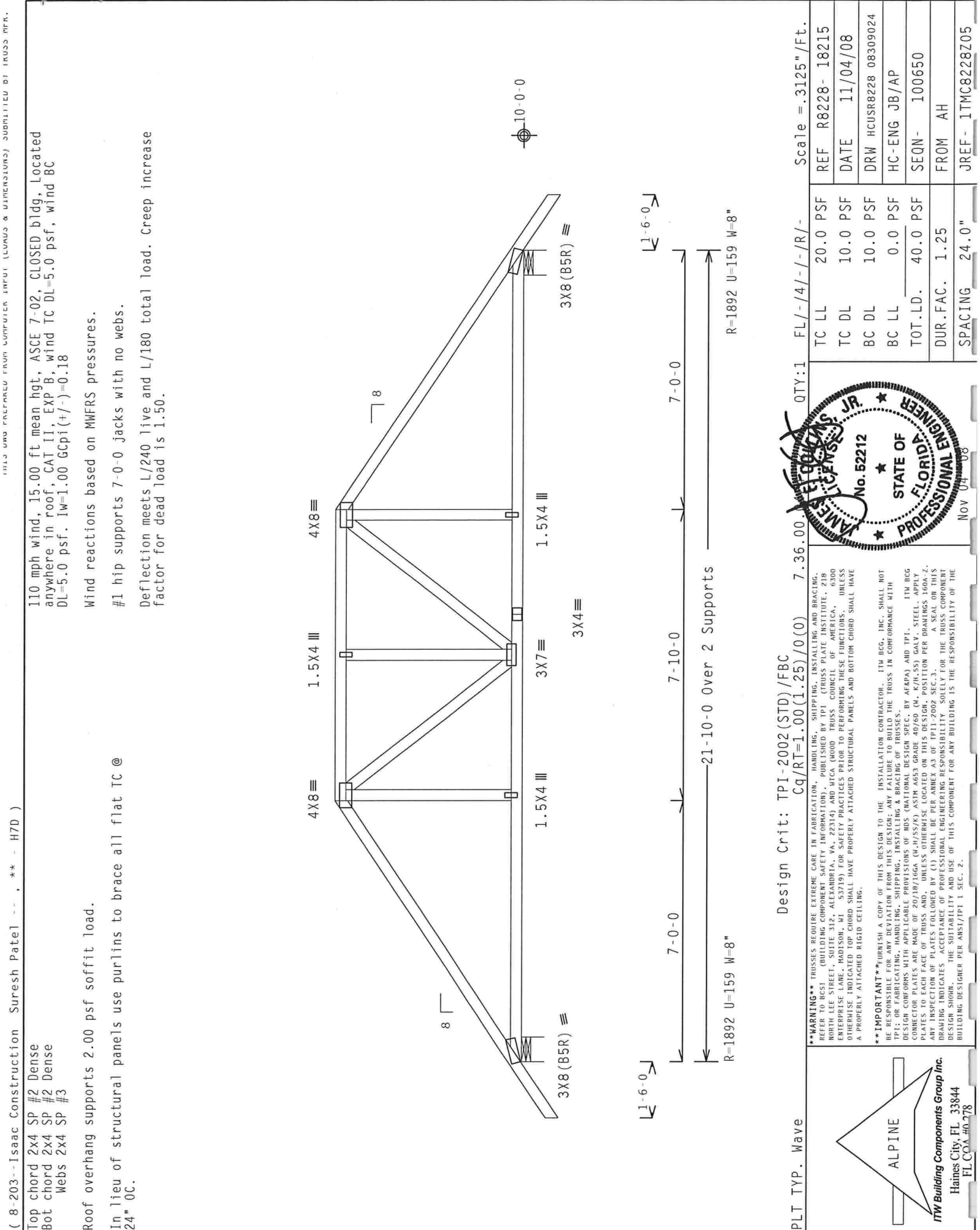
FLORIDA PROFESSIONAL ENGINEER

STATE OF FLORIDA

NO. 52242

JAMBERLY DENISE JR.

ENGINEER



(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.

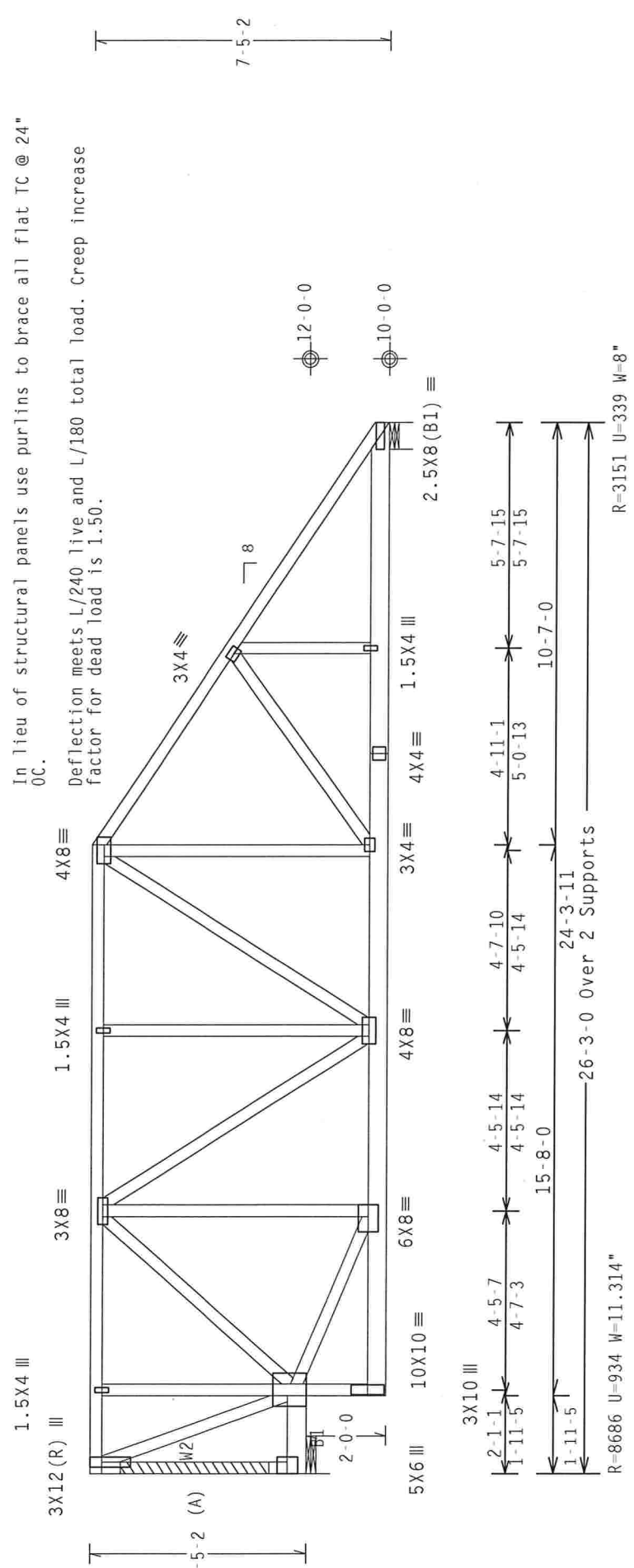
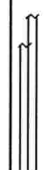
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf,
wind BC DL=5.0 psf. lw=1.00 Gcpi(+/-)=0.18

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.



R-8686 U-934 W=11.314"

R=3151 U=339 W=8"

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

PLT TYP. Wave

QTY:1

Scale = .25" / Ft.

REF R8228- 18216

DATE 11/04/08

DRW HCUSR8228 08309021

HC-ENG DF/DF

SEQN- 109325

FROM AH

JREF- 1TMC8228Z05

Nov 04 '08

STATE OF FLORIDA

PROFESSIONAL ENGINEER

JAMES VOLANS JR.

No. 52217

Nov 04 '08

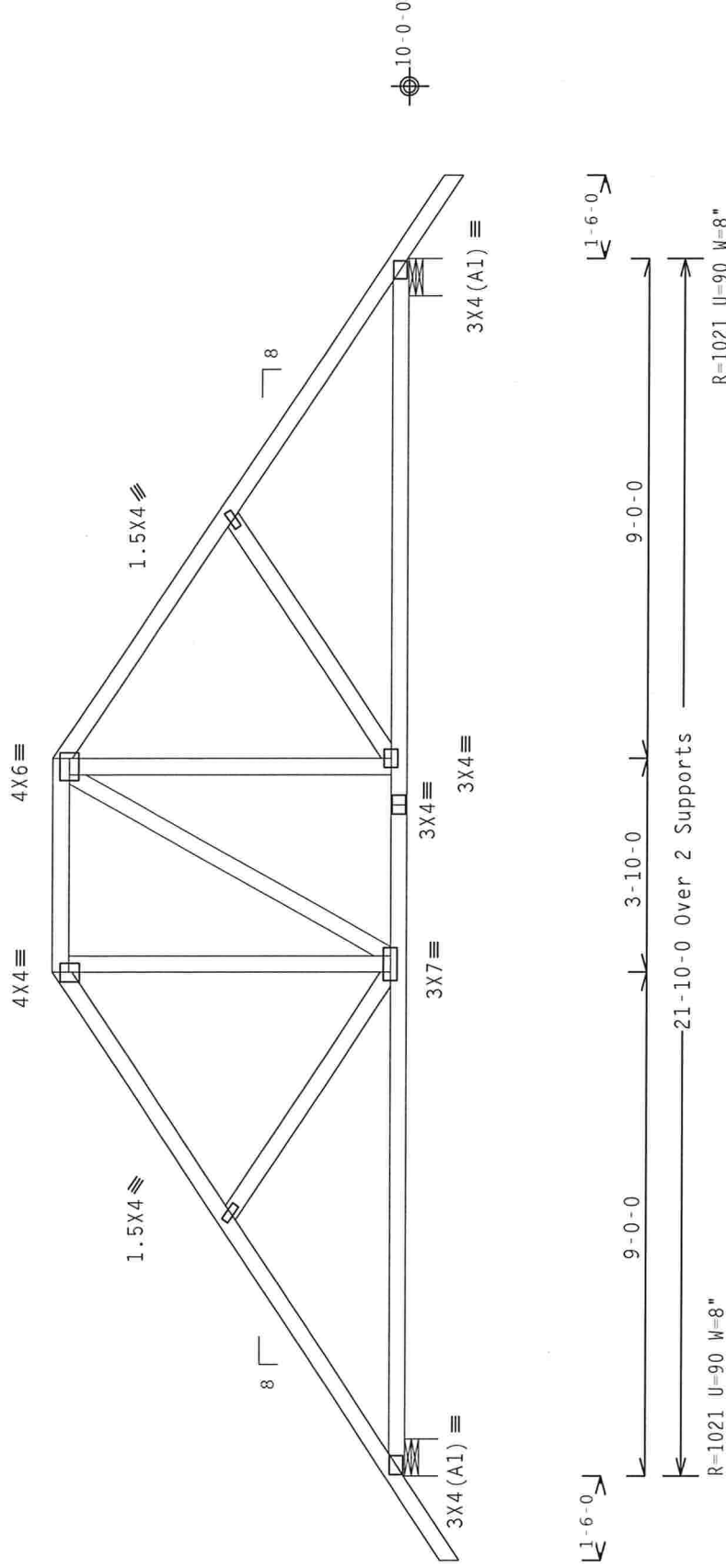
ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

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



Scale = .3125" / Ft.

*WARNING** THRSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALL CHORDS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (THROSS PLATE INSTITUTE, 6310 NORTH ALLEY STREET, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE WORKS. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED BRIDG 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 IN CONFORMANCE WITH TPI-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF THUSSES.

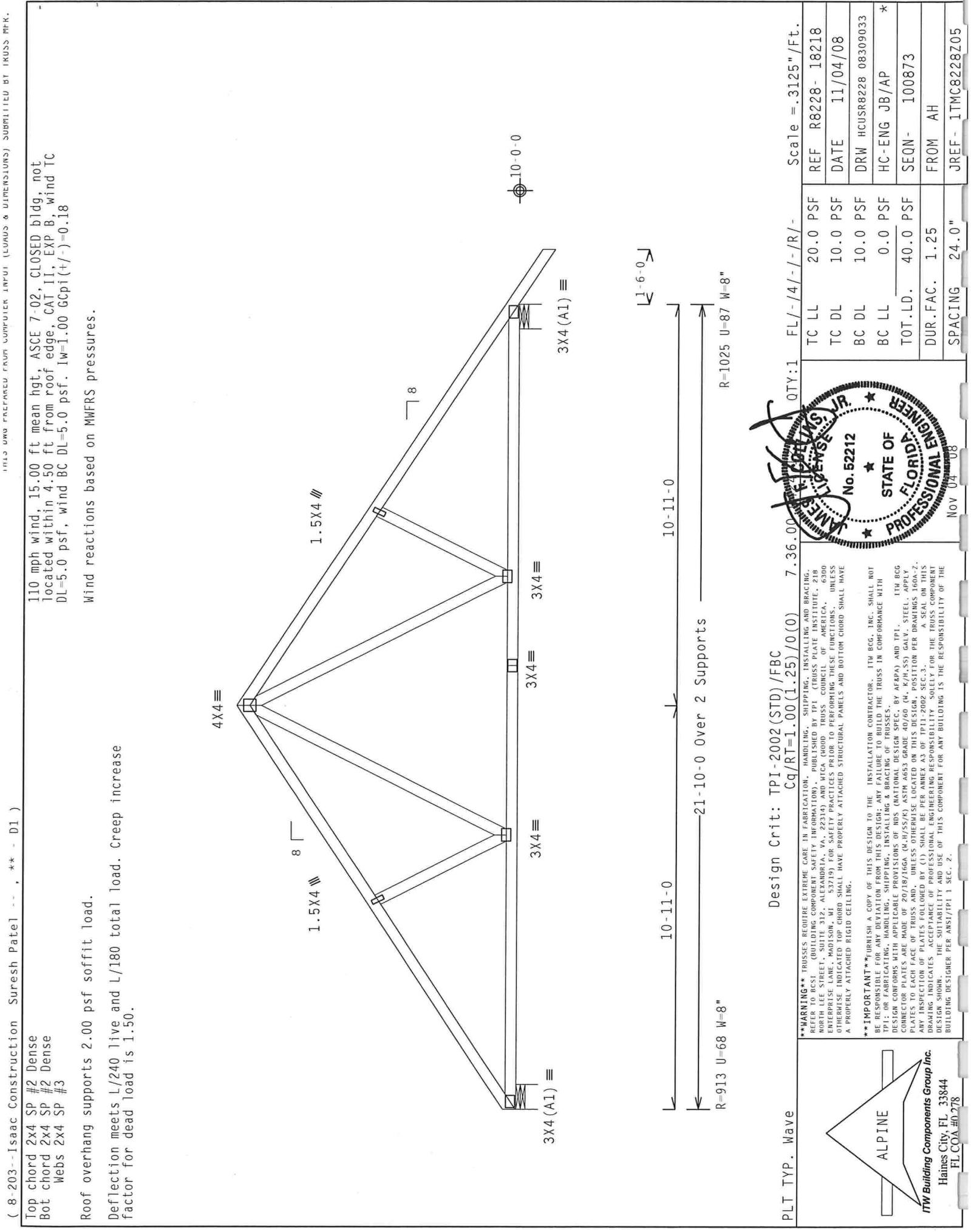
The following are the MINIMUM PROVISIONS OF ROSS NATIONAL DESIGN SPEC., BY AIRPASS AND TPI-1. ITH BCG HAS REVIEWED THESE PROVISIONS AND AGREES TO FOLLOW THEM. IF YOU REQUEST CHANGES, YOU MUST SUBMIT WRITTEN CORRECTIONS TO EACH FACE OF YOUR PLATES TO EACH FACE OF YOUR UNLESS OTHERWISE INDICATED. ORDER PER THE DRAWINGS. IF YOU INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-1 2009 SEC. 3.1. IF YOU HAVE ANY QUESTIONS REGARDING THIS DESIGN, PLEASE CONTACT US AT 800-762-2262. WE WILL BE GLAD TO ASSIST YOU. THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE DESIGN COMPONENT SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 3 SEC. 2.



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
SPACING	24.0"		JREF-	1TMC8228Z05



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



(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 GCPI (+/-)=0.18

Wind reactions based on MWFRS pressures.

PLT TYP. Wave

Design Crit: TPI-2002 (STD) /FBC

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

Scale = .3125" / 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- 18218

DATE 11/04/08

DRW HCUSR8228 08309033

HC-ENG JB/AP

SEQN- 100873

FROM AH

JREF- 1TMC8228Z05

Nov 04 08

FLORIDA

PROFESSIONAL ENGINEER

No. 52212

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

Nov 04 08

FLORIDA

PROFESSIONAL ENGINEER

No. 52212

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Nov 04 08

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PROFESSIONAL ENGINEER

Nov 04 08

FLORIDA

PROFESSIONAL ENGINEER

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

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

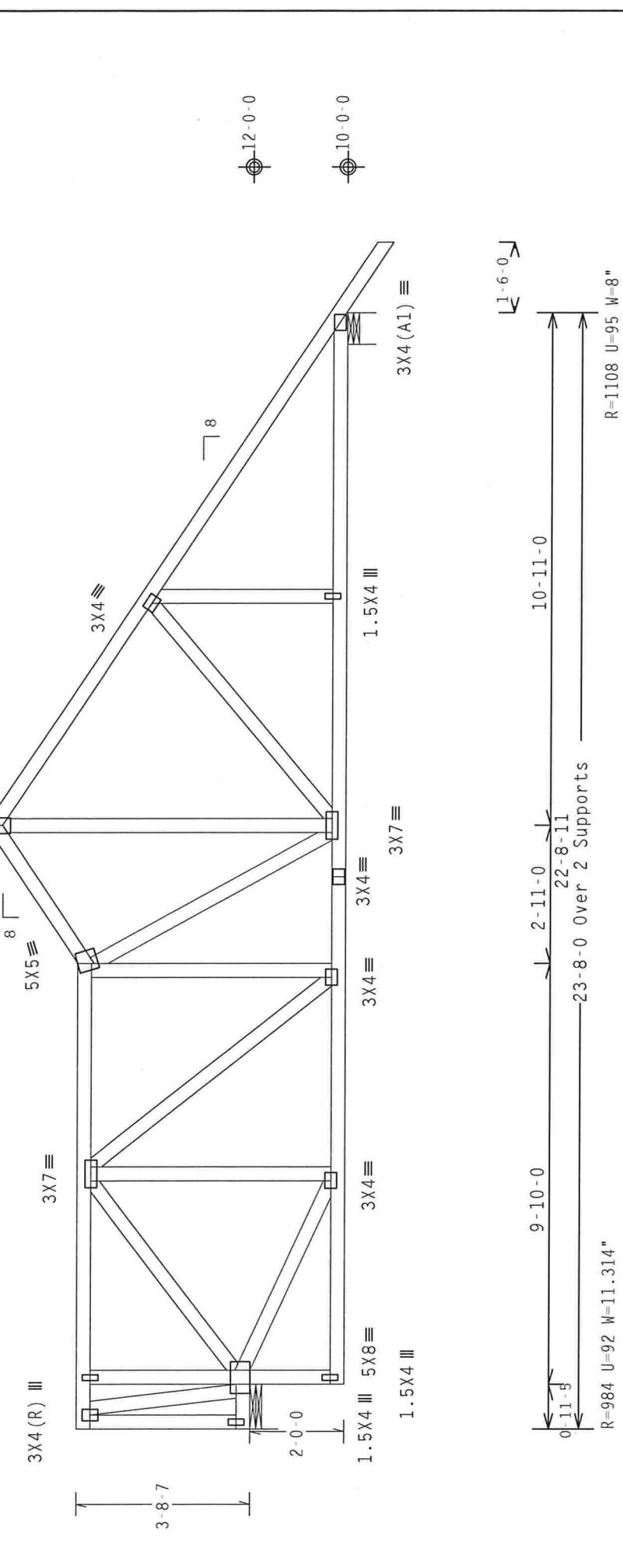
Left end vertical not exposed to wind pressure.

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.

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.

REF R8228- 18219

DATE 11/04/08

DRW HCUSR8228 08309023

HC-ENG JB/AP *

SEQN - 100899

FROM AH

JREF- 1TMC8228Z05

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"

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 BCSP (BUILDING COMPONENT SAFETY) INSTRUCTIONS FOR THE TRUSS MANUFACTURER'S INSTRUCTIONS. TRUSS NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND HGA (HGA CONSULTING, INC., 10000 WOODBRIDGE DRIVE, ENTERPRISE LAKE, 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 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/PFA) AND TPI. ITH BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (M-H/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 160A-2. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS ANNEX SHALL BE REQUIRED. THE SEALING SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT MANUFACTURER. THE SEALING SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT MANUFACTURER. THE SEALING SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT MANUFACTURER. THE SEALING SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT MANUFACTURER.

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

Left end vertical not exposed to wind pressure.

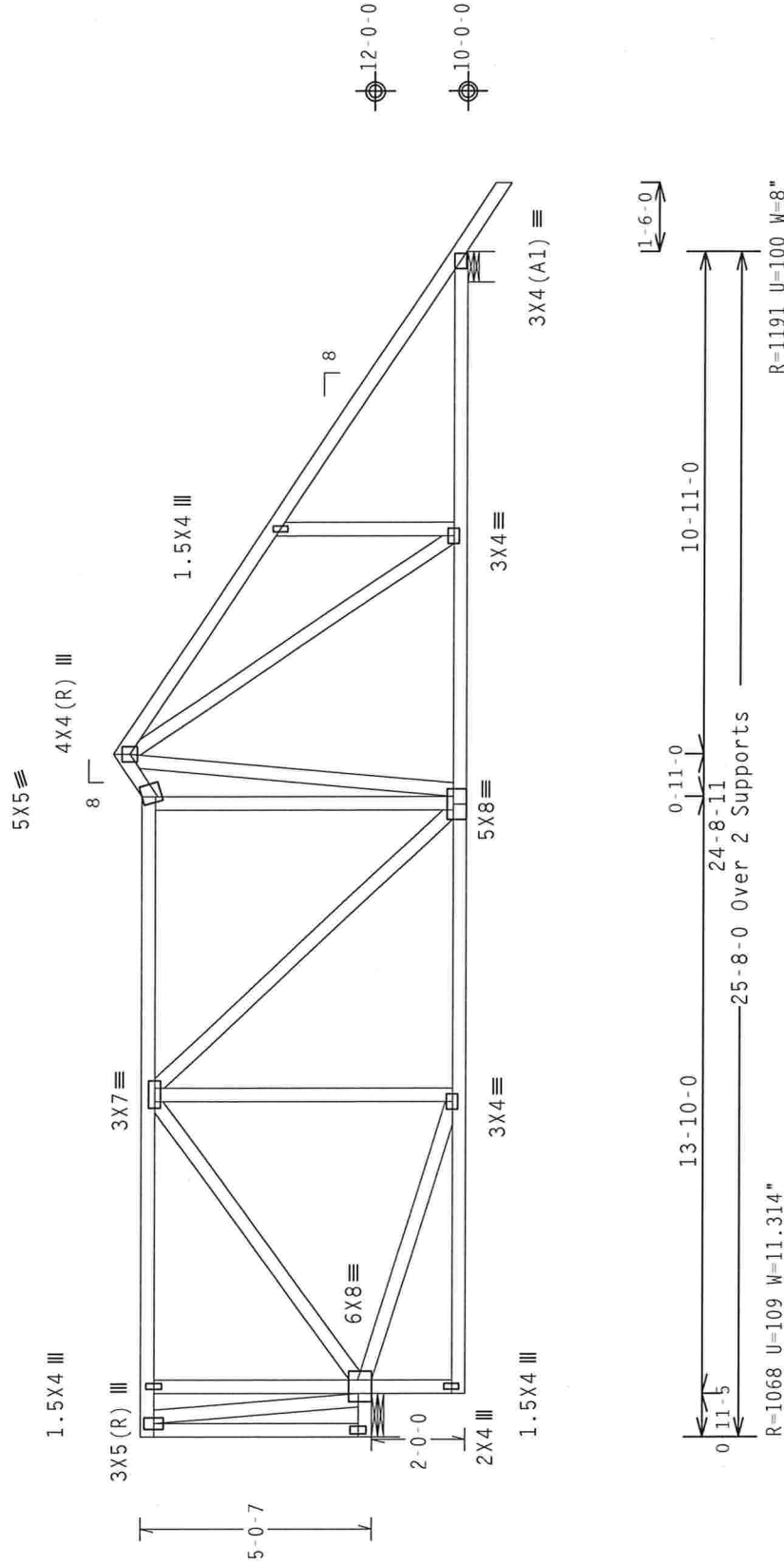
Roof overhang supports 2.00 psf soffit load.

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

Wind reactions based on MWFRS pressures.

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



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

Scale = .25" / Ft.

UTY:1

7.36.00

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- 18220

DATE 11/04/08

DRW HCUSR8228 08309020

HC-ENG JB/AP

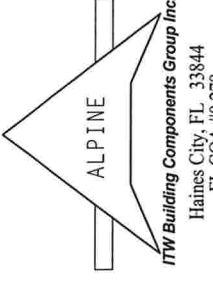
SEQN- 100917

FROM AH

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, 210 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. 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 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. ITM BCG SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE TRUSS COMPONENTS FROM DAMAGE DURING TRANSPORT AND INSTALLATION. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN. THE SEAL IS THE PROPERTY OF THE TRUSS COMPONENT DESIGNER. THE SEAL SHALL BE USED TO VERIFY THE TRUSS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



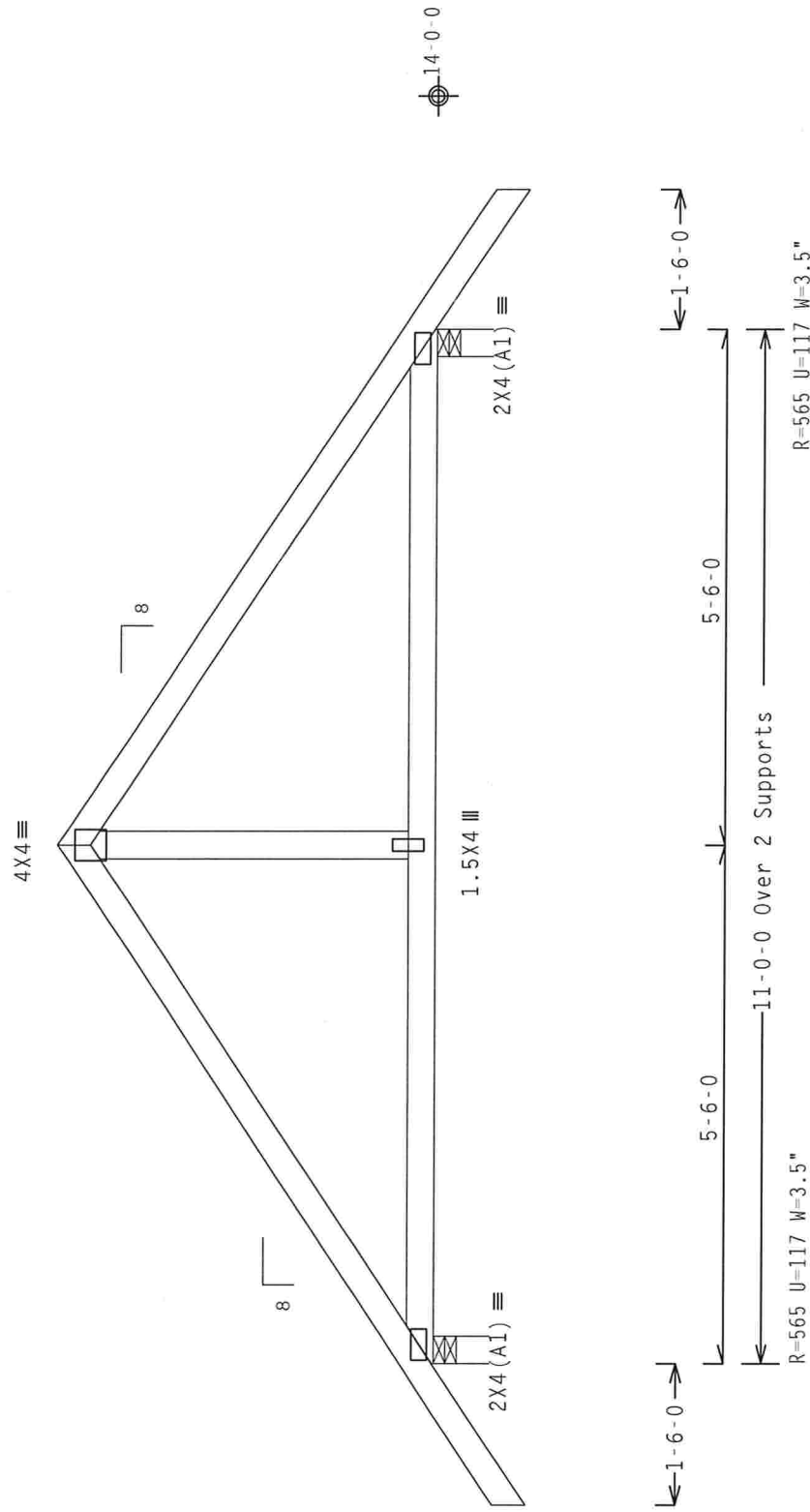
	Top	Bot	Dense
chord	2x4	2x4	#2
chord	2x4	2x4	#2
webs	2x4	2x4	#3

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

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.

Wind reactions based on MWFRS pressures.

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

PLT TYP. Wave

~~00-124689-0 TY-1~~

Scale = .5"/Ft.

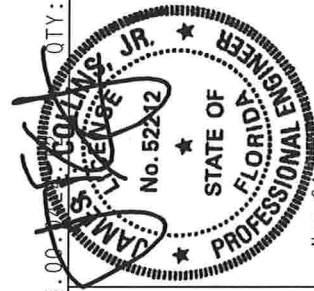
*****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (4000 TRUSS COUNCIL OF AMERICA, ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID BEAMS.

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

THIS SPECIFICATION CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC.) BY AFIPM) AND TPI. THE TRUSS COMPONENT SHALL BE MANUFACTURED, SHIPPED, INSTALLED & BRACED TO RESIST.

CONNECTION PLATES ARE MADE OF 2018/T16GA (A572/A572K) LOST ANCHOR GRADE 40/60 (N. K/H-S5) 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 ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF TPI-2002 SEC.2.

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



Nov 04 '08

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

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-	1TMC8228705

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

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 notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

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.

110 mph wind, 15.99 ft mean hgt, ASCE 7-02, PART_4_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

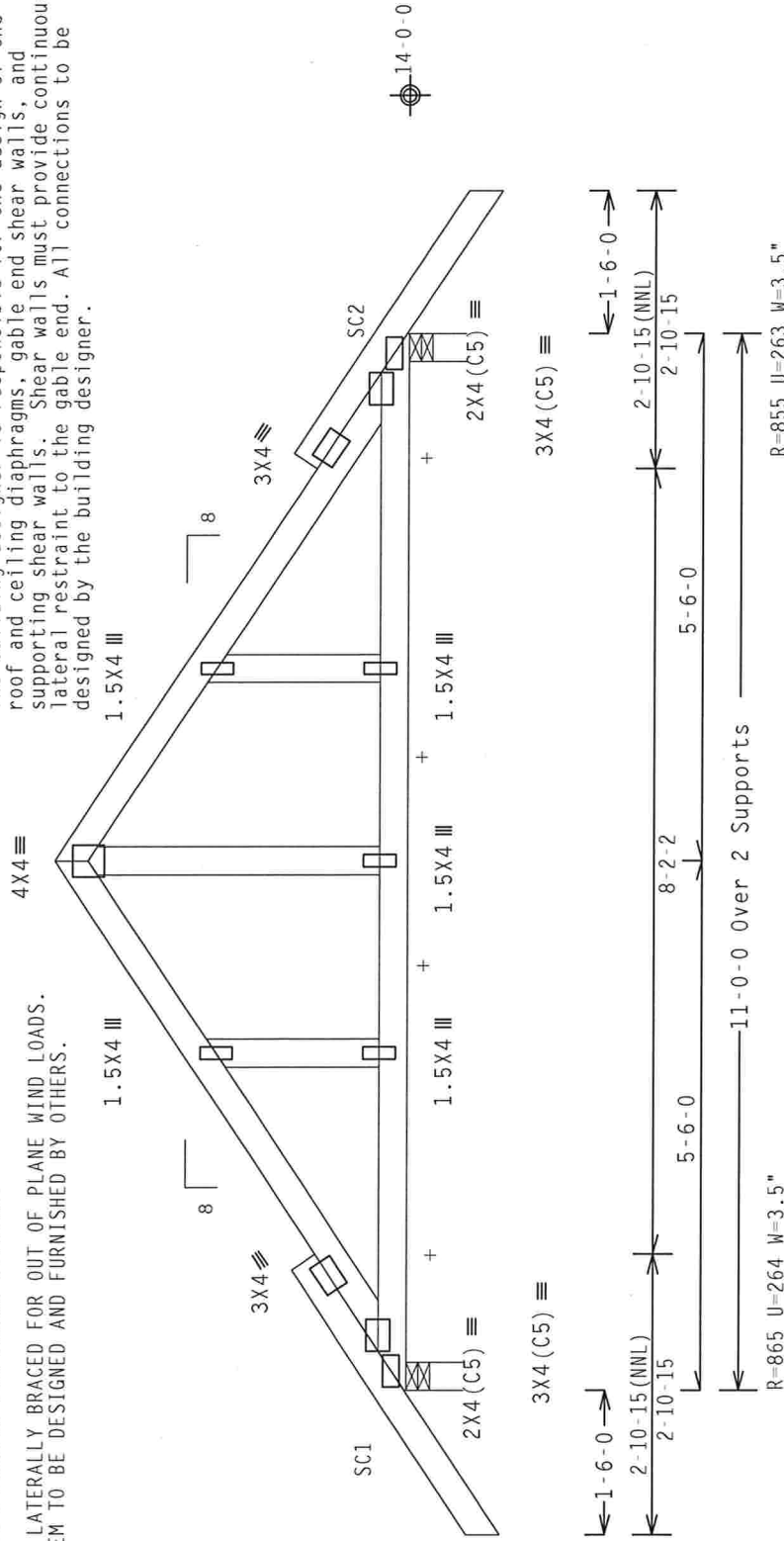
Wind reactions based on MWFRS pressures.

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.

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.

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

PLT TYP. Wave

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

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO GC'S (INCLUDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CROSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTH CHORD SHALL HAVE A PROPERLY ATTACHED RIFLED LING.

****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 BGC

CONNECTOR PLATES ARE MADE OF 2018/160A (4-H/55S/4) ASTM A653 GRADE 40/60 (44, 4/4/S/5) GALV. STEEL. APPLY

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2

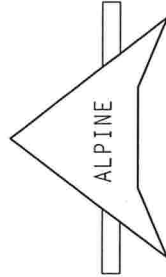
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF TPI-2002 SEC.3.

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

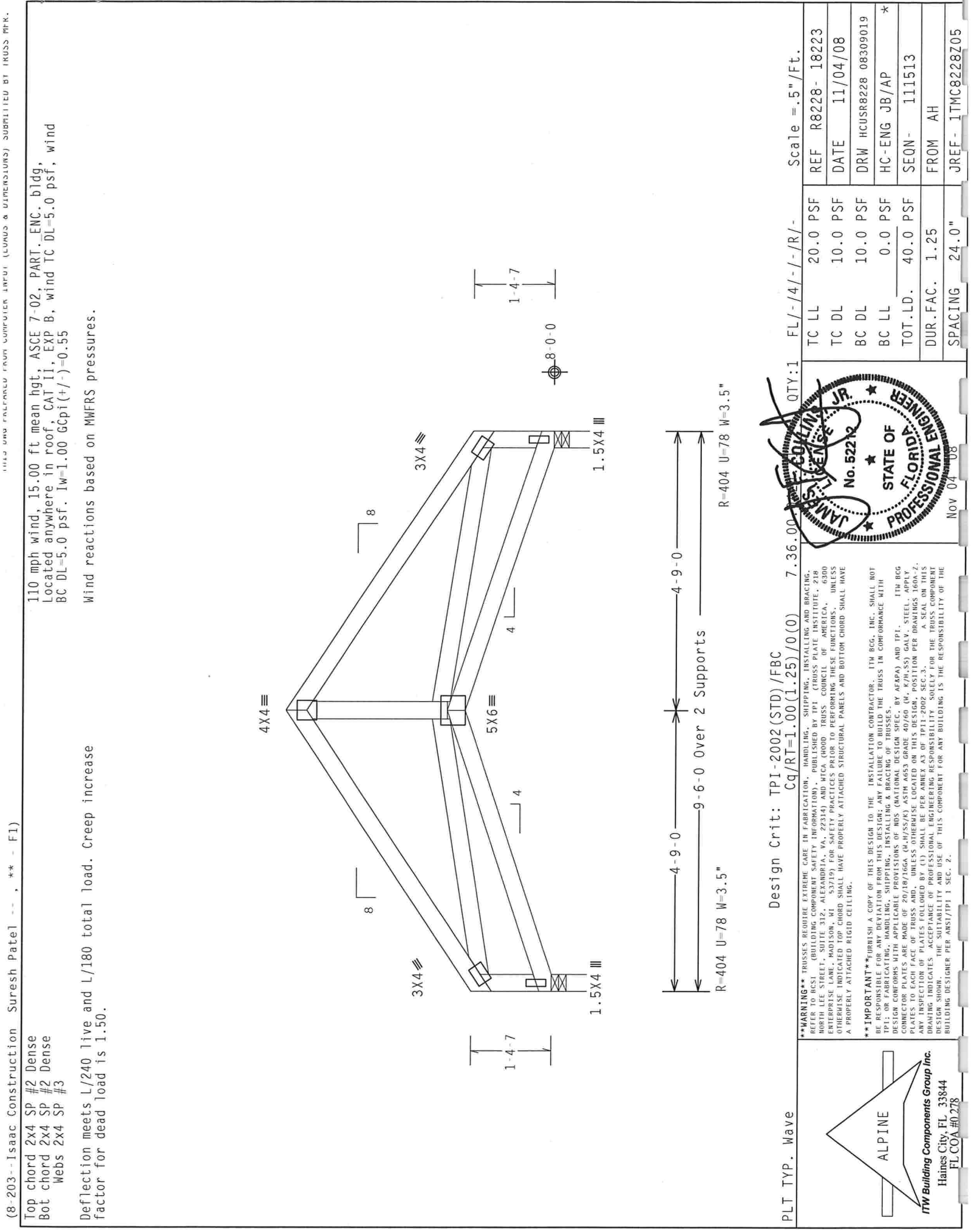
BUILDING DESIGNER PER ANSI/TPI SEC. 2.

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-	1TMC8228Z05	



ITW Building Components Group Inc.
Haines City, FL 33844
FL CO 407.278

Nov 04 08:08



(8-203--Isaac Construction Suresh Patel -- , ** - F1)

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, 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.

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

PLT TYP. Wave

ALPINE

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 BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 219 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONTRACTORS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG PLATES OR PLATES ARE MADE OF 20/16/10GA (20/16/10GA) ASTM A653 GRADE 40/60 (W, K7N-SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TPI. ITW BCG SHALL BE HOLDING RESPONSIBILITY FOR THE TRUSS CONFORMANCE 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.

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

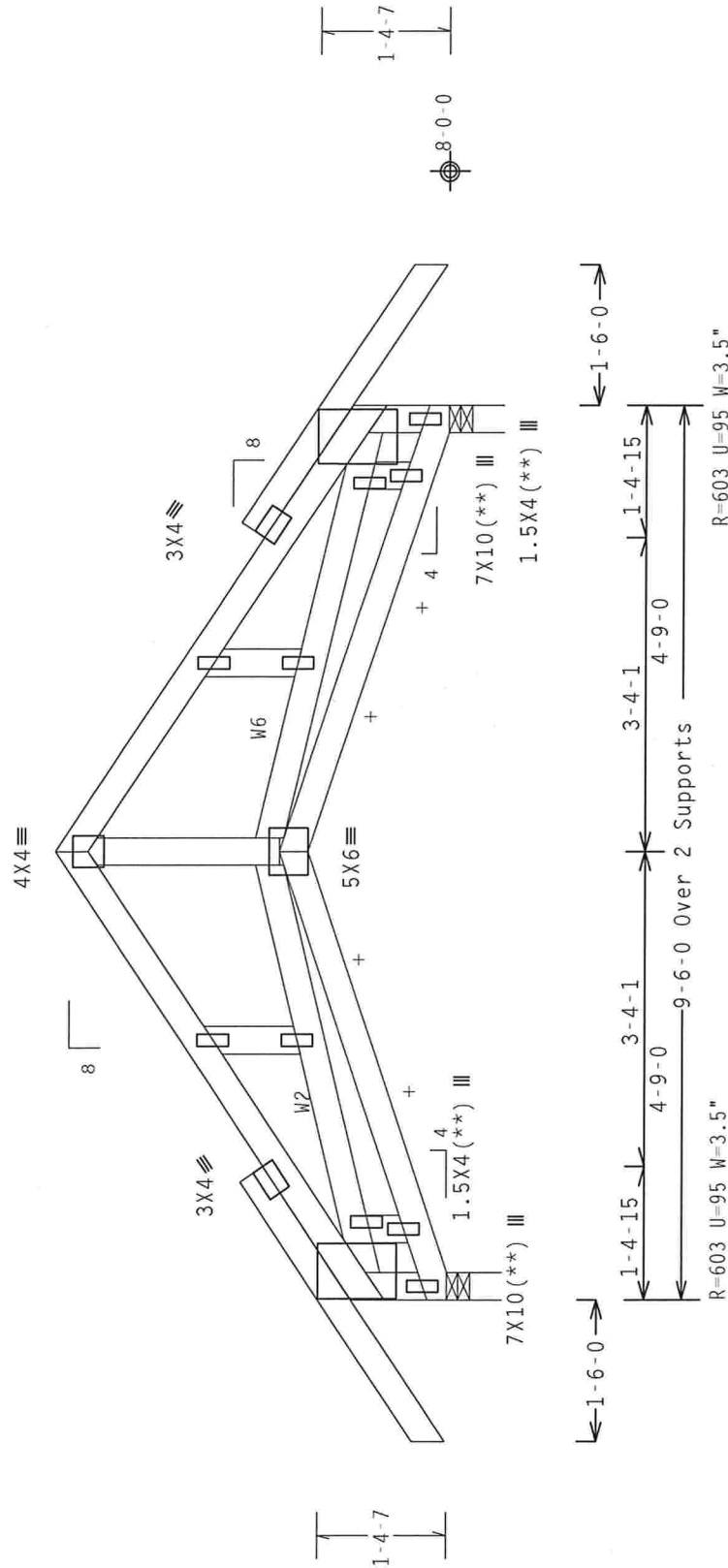
(**) 4 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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.

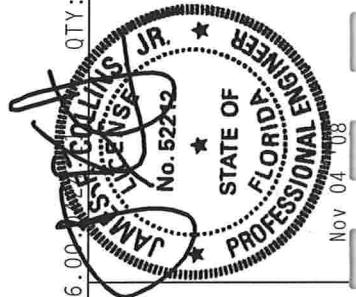
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

QTY. 1

Scale = .5" / Ft.

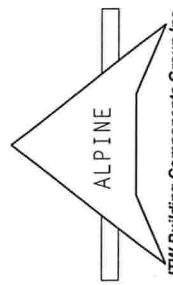
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TC DL	10.0	PSF	DATE	11/04/08	
BC DL	10.0	PSF	DRW	HCUSR8228	08309027
BC LL	0.0	PSF	HC-ENG JB/AP		
TOT.LD.	40.0	PSF	SEQN-	111521	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TMC8228Z05	



****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THESE THUSSES (INCLUDING COMPLETION SAFETY INFORMATION), PUBLISHED BY TRUSS PLATE INSTITUTE, 210 NORTH LAKE STREET, NORTH LAKE, ILLINOIS 60064, ARE THE PROPERTY OF TRUSS PLATE INSTITUTE OF AMERICA, 45 ENTERPRISE LANE, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING WORK, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID GIRDING.

****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 TYPE OR FABRICATING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

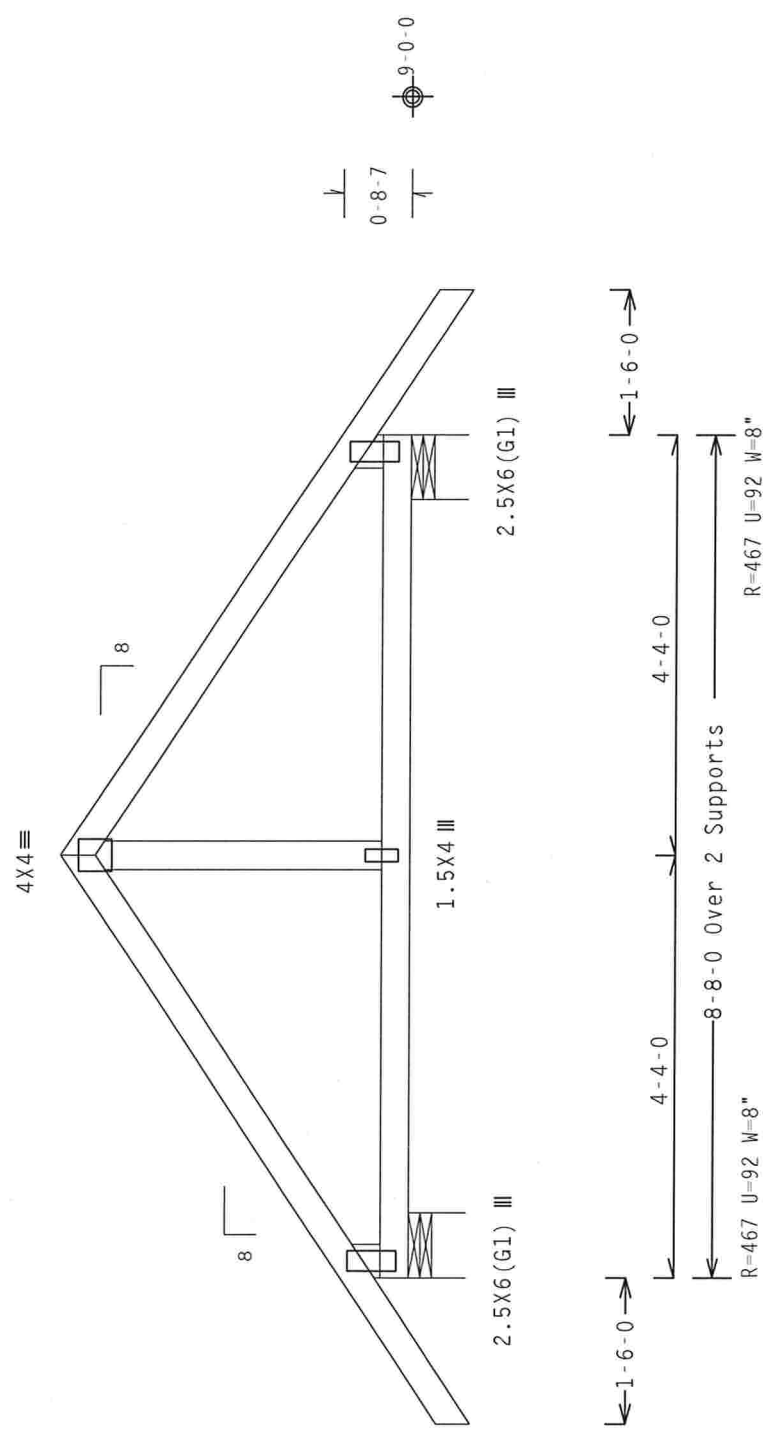
PROVIDE PROVISIONS FOR JOINTS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG WILL PROVIDE CONNECTION PLATES FOR ALL JOINTS. GRADES 40/60 (A/B-SS) GALV. STEEL. APPLY CONNECTION PLATES MADE BY ITW BCG TO ALL JOINTS. POSITION PER DRAWINGS. JOIN ALL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE SPECIFIED, ALL JOINTS ARE TO BE FULL PENETRATION WELDED. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNECY 42 OF TITLE 29, SECTION 8722.2.2. DRAMING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNER 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

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. lw=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	HCUR8228 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 V. DENISE JR.
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 04 2008

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE NATIONAL TRUSS MANUFACTURERS ASSOCIATION, 216 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS CONSTRUCTION) PUBLISHED BY THE WOOD PRESERVE 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. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/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 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ACSI/TPI 1 SEC. 2.

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

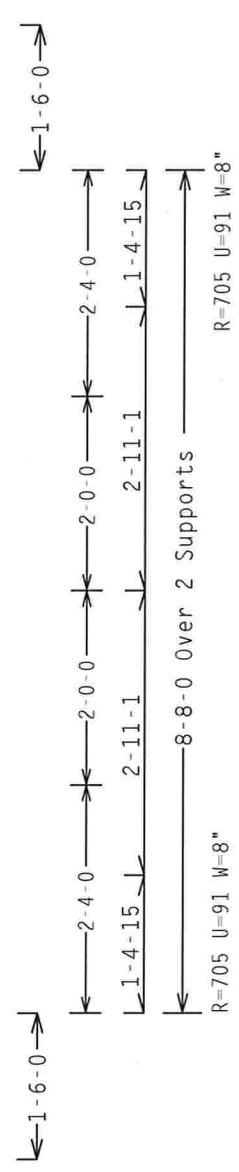
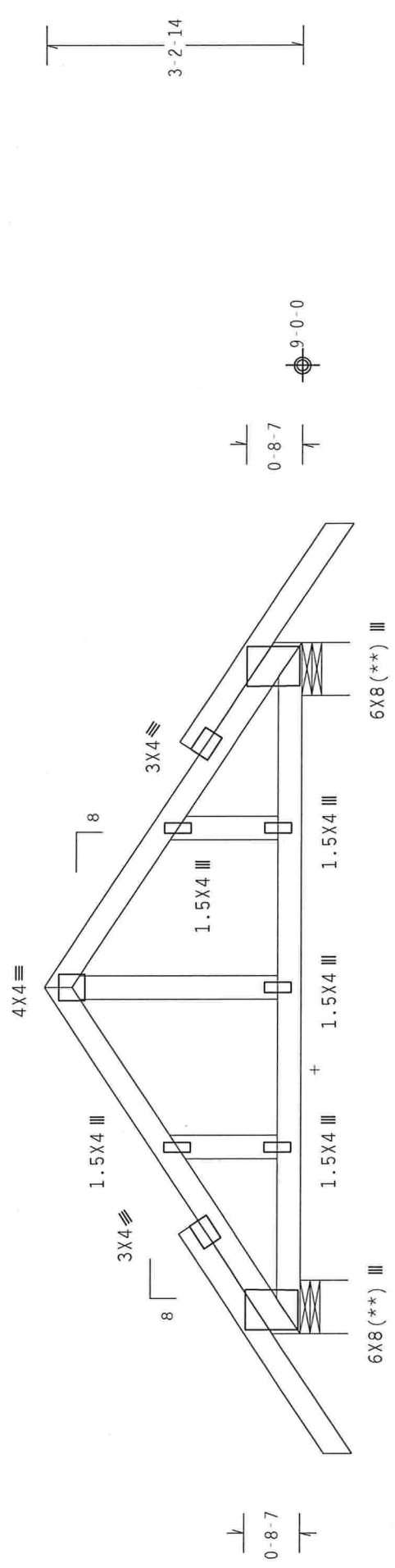
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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. Iw=1.00 GCpl(+/-)=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)

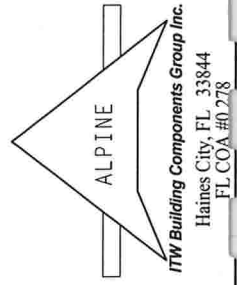
Scale = .5" / Ft.

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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-	1TMC8228Z05



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION (BCSI) PUBLISHED BY TPI (TRUSS PARTS INSTITUTE, 6000 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WICA (WOOD INSTITUTE FOR THE 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. ITH 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. CORRECTOR 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. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIA/PA 3.3 OF TPI-2002 SEC.3.3. A SEAL ON THIS DRAWING INDICATES THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



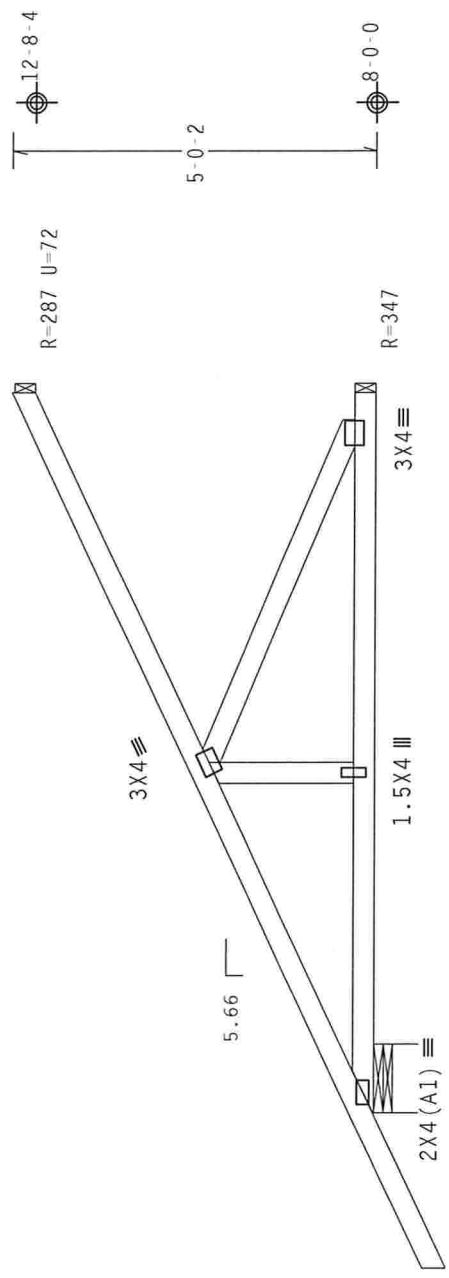
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi (+/-) = 0.18

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

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.



2-1-7

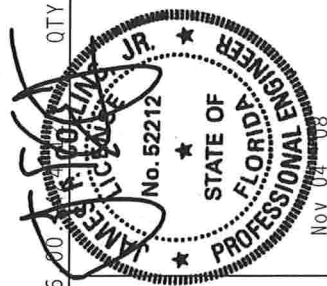
← 9-10-13 Over 3 Supports
R=472 U=50 W=11.314"

Design Crit: TPI-2002(STD)/FBC

PLT Typ. Wave
Design Crit:
 $\text{Cg/R} = 1.00(1.25)/0(0)$

****WARNING**** TROISSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPANION SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MICHIGAN AVE., CHICAGO, IL 60610) 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 FAILURE OR INJURY TO BUILDING TRUSSES IN COMPLIANCE WITH THIS DESIGN WHEN THE TYPE OF FABRICATING, HANDLING, SHIPPING, INSTALLING, ERECTING, OR BRACING DEVIATES FROM THE DESIGN PROVISIONS OF RDS (NATIONAL DESIGN SPEC. BY AISC) AND TP1. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES TO EACH FACE OF TRUSS AND, OR OTHERS AS SHOWN. (MAY/SS/KR). GALV. STEEL - APPLY TO ALL INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A.3 OF TP1-2002 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 ANEX/TP1 1 SEC. 2.



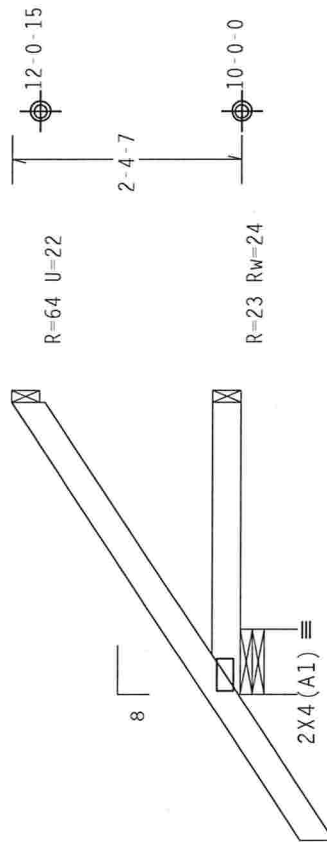
TC LL	20.0	PSF	REF	R8228- 18228
TC DL	10.0	PSF	DATE	11/04/08
BC DL	10.0	PSF	DRW	HCUSR8228 08309073
BC LL	0.0	PSF	HC-ENG	JB/AP
TOT.LD.	40.0	PSF	SEQN-	100644
DUR.FAC.	1.25		FROM	AH
SPACING	24.0"		JREF-	1TMC8228Z05

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

1110 mph wind, 15.00 ft mean htg, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

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



$\leftarrow 1-6-0 \rightarrow$
 $\leftarrow 3-0-0 \text{ Over } 3 \text{ Supports} \rightarrow$
 $R=268 \quad U=17 \quad W=8''$

PLT TYP. Wave

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

*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
 DESIGNER'S RESPONSIBILITY TO THE USER OF THIS PRODUCT IS LIMITED TO THE INFORMATION PROVIDED HEREIN.
 NORTH LEE STREET, SUITE 312, ALEXANDRIA, MA 02230
 ENTERPRISE LABE, WADSWORTH, MA 02197
 OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

Cq/RT=1.00(1.25)/0(0) 7

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

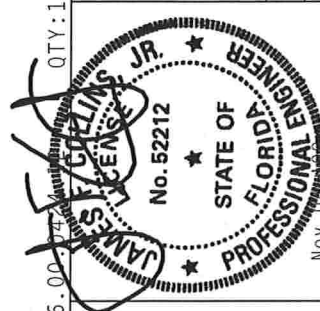
DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI-1. TYPICAL CONNECTIONS ARE MADE OF 2017/1866 (201/555) KATAM DESIGN 40/60 (H, K/PH-55) GALV. STEEL. APPLY DESIGNER'S COMMENTS TO THESE TRUSSES LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.

ANY INSPECTION OF PLANTS FOLLOWED BY VISUAL INSPECTION OF TRUSSES FOR DEFECTS, DISCREPANCIES, OR DRAWING INDICATES. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSSES COMPLETED 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	HCUR8228 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

Haines City, FL 338
FL COA #0278

Haines City, FL 33844
FL COA #0278

FL COA #0278

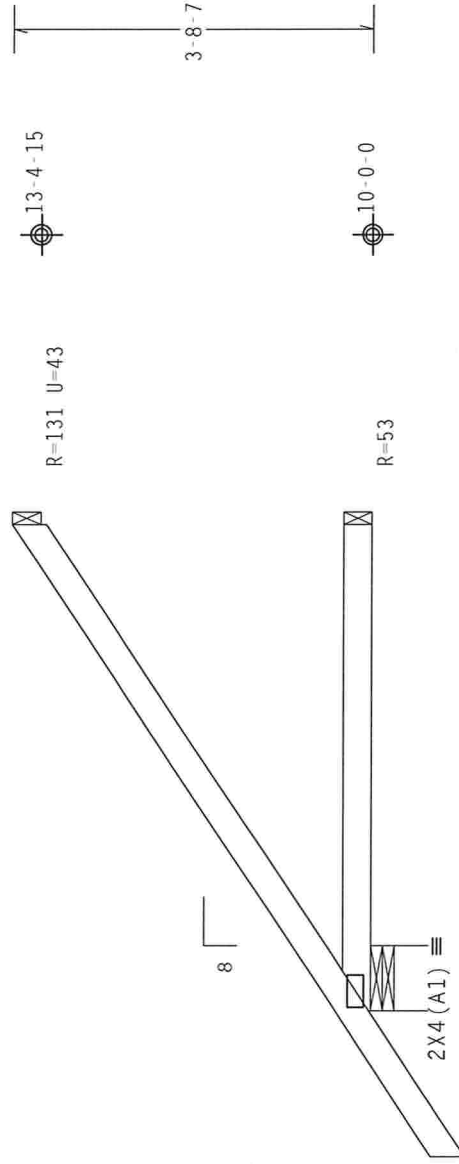
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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

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

PLT TYP. Wave

7.36.00

FL/-4/-/-R/-

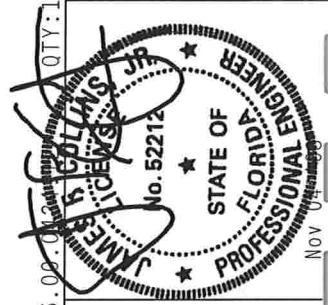
Scale = .5" / Ft.

****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, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AERPA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 20/18716GA (4-H/55/7K) ASTM A653 GRADE 40/60 (4. K/41-55) GALV. STEEL. APPLY PROTECTIVE COATING TO ALL EXPOSED SURFACES. UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DIAMETERS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE PERFORMED BY A QUALIFIED PERSONNEL. THE DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



QTY: 1

FL/-4/-/-R/-

Scale = .5" / Ft.

REF R8228- 18230

DATE 11/04/08

DRW HCUSR8228 08309074

HC-ENG JB/AP

SEQN- 100624

FROM AH

JREF- 1TMC8228Z05

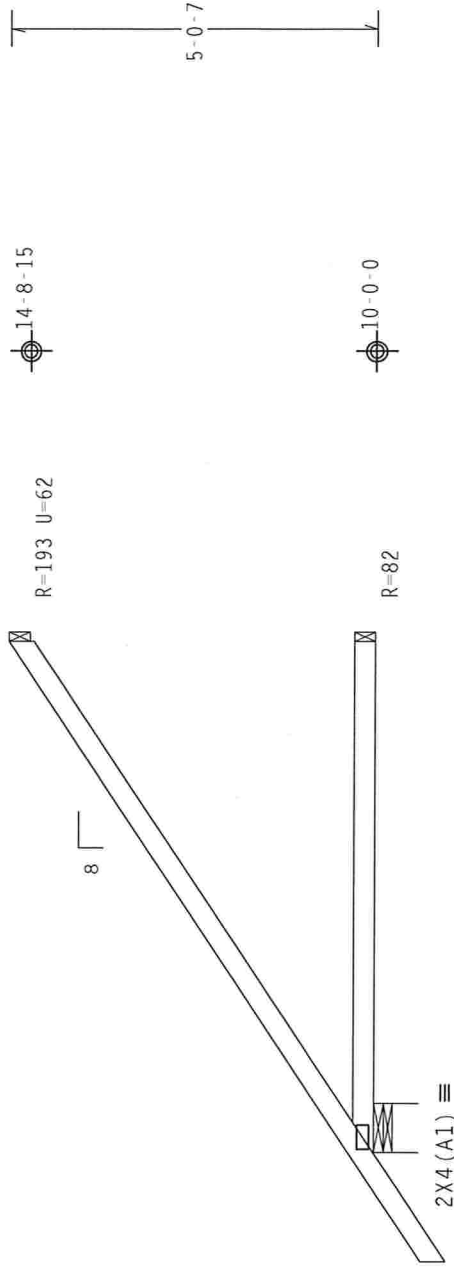
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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. $lw=1.00$ $G_{Cpi}(+/-)=0.18$

Wind reactions based on MWFRS pressures.



L=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/-/1-R/-

Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE NATIONAL TRUSS MANUFACTURERS ASSOCIATION, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WEA (WOOD TRUSS) AND METAL (METAL TRUSS) COUNCIL OF AMERICA, 100 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 (40/60 (4, 6/8, 10) GALT. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. THIS DESIGN IS THE PROPERTY OF ITW BUILDING COMPONENTS GROUP INC. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF
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- 18231
DATE	11/04/08
DRW	HCUSR8228 08309018
HC-ENG	JB/AP
SEQN	100628
FROM	AH
JREF	1TMC8228Z05



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 #2 Dense

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

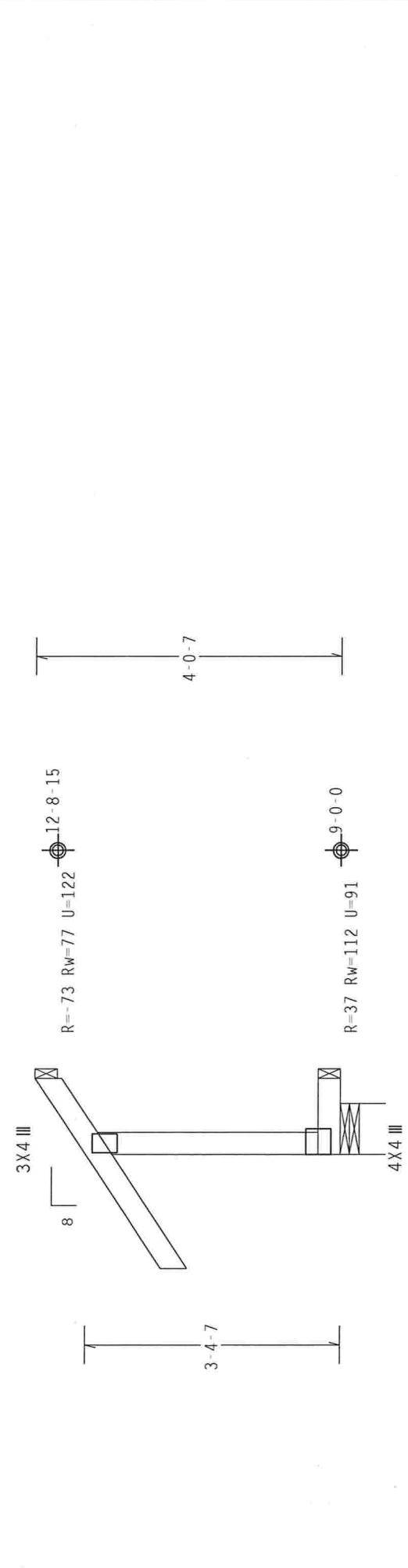
Calculated horizontal deflection is 0.43" due to live load and 0.14" due to dead load.

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.

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.



1-6-0-0
1-0-0 Over 3 Supports
R=223 U=101 W=8"

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

PLT TYP. Wave	7.36.00.00	QTY: 1	FL/- /4/- /- /R/-	Scale = .5" / Ft.
REF - R8228- 18232	TC LL	20.0 PSF		
DATE 11/04/08	TC DL	10.0 PSF		
DRW HCUSR8228 08309045	BC DL	10.0 PSF		
HC-ENG JB/AP	BC LL	0.0 PSF		
SEQN- 100658	TOT.LD.	40.0 PSF		
FROM AH	DUR.FAC.	1.25		
JREF- 1TMC8228Z05	SPACING	24.0"		

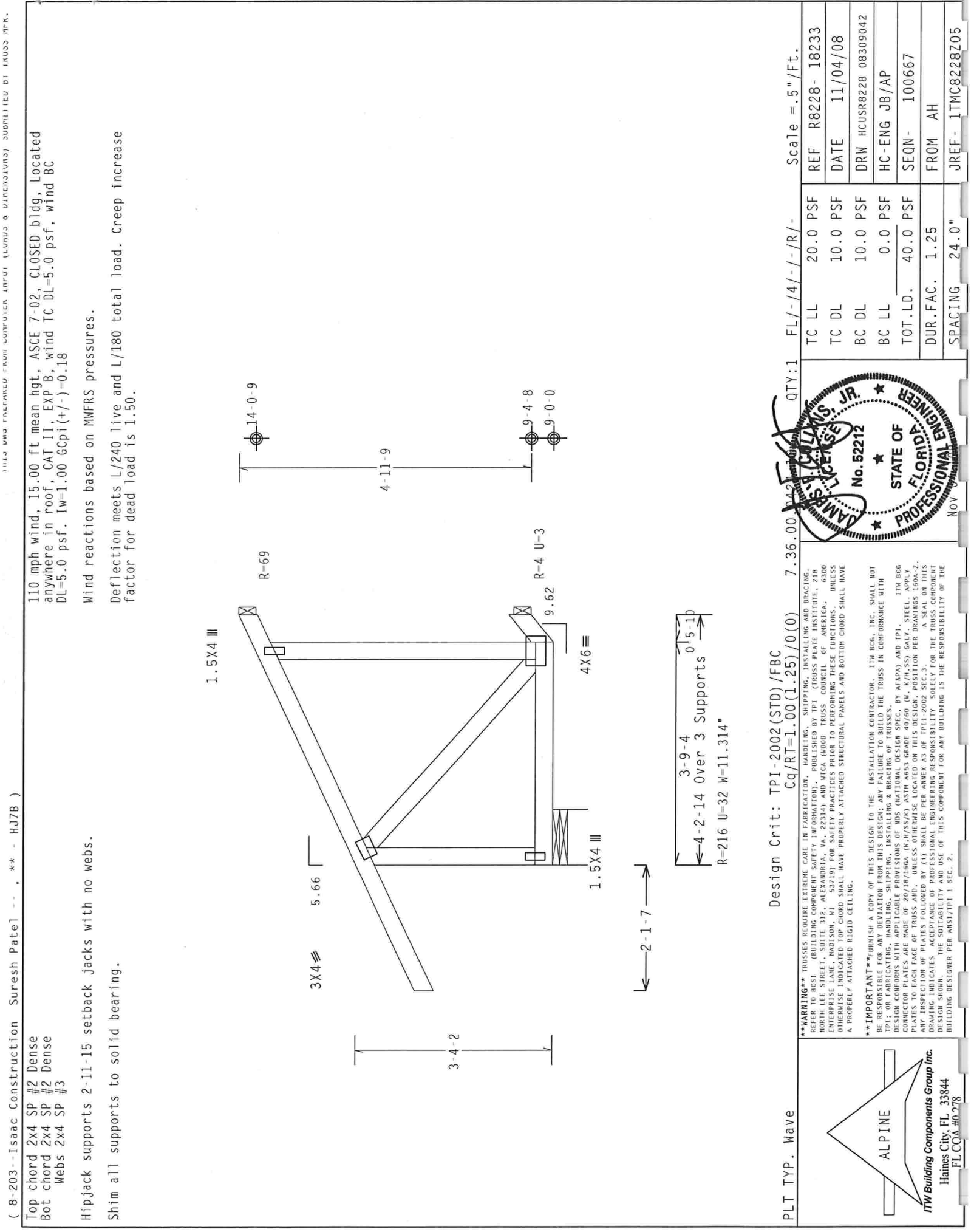
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 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. 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 CONNECTOR PLATES ARE MADE OF 2018/16GA (N-H/SS/K) ASTM A653 GRADE 40/60 (N, K/M,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160B-2, 160C-2, 160D-2, 160E-2, 160F-2, 160G-2, 160H-2, 160I-2, 160J-2, 160K-2, 160L-2, 160M-2, 160N-2, 160O-2, 160P-2, 160Q-2, 160R-2, 160S-2, 160T-2, 160U-2, 160V-2, 160W-2, 160X-2, 160Y-2, 160Z-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER REQUEST 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 CCA #0 278



(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. 1w=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Scale = .5" / Ft.

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/-

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

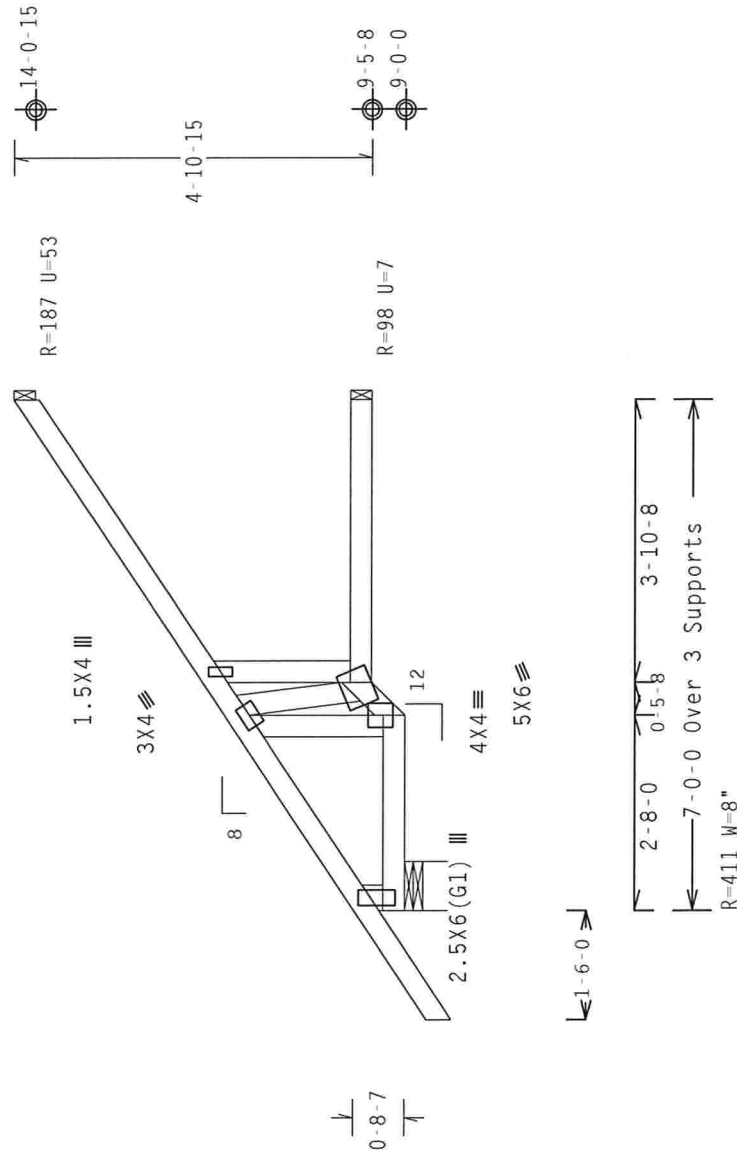
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
: Lt Stubb'd Wedge 2x4 SP #3:

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. $I_w=1.00$ 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
Ca/RT=1.00(1.25)

PLT TYP. Wave

7

QTY:1

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

Scale = 375" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. FOR ADDITIONAL SAFETY INFORMATION, PUBLISHED BY TPI (CROSS PLATE INSTITUTE, 6300 NORTH ALLE STREET, MADISON, WI 53717), FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, PLEASE CONTACT TPI AT 608/271-2200. ALL TRUSSES MUST BE PROPERLY ATTACHED TO THE 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 THE SPECIFICATIONS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. 1TH BEG
CONNECTOR PLATES ARE MADE OF 2018/1816GA (K/H-255/K) ASTM A663 GRADE 40/60 (K/H-55) GALV. STEEL, APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. 2TH BEG
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 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 NDS/TPI 1 SEC. 2.



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

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-	1TMC8228	Z05

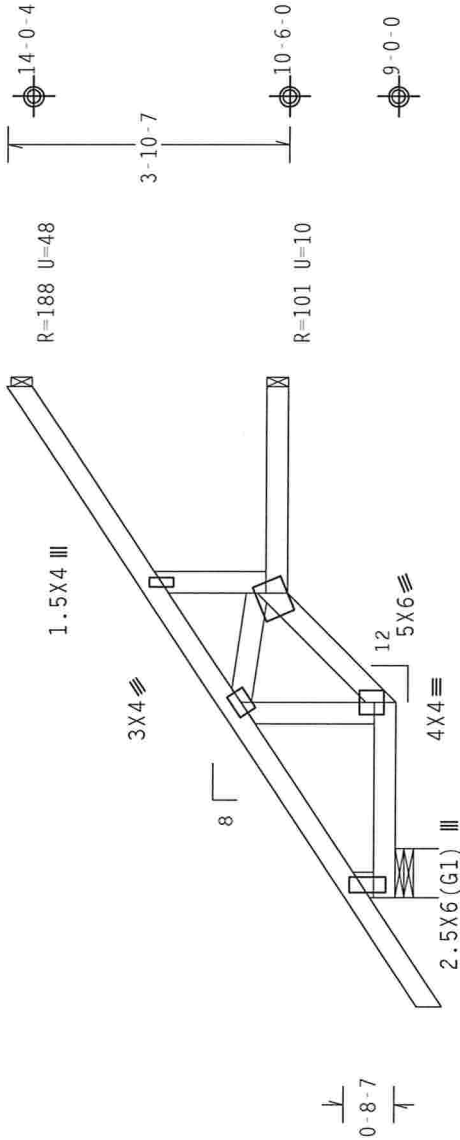
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

Roof overhang supports 2.00 psf soffit load.

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)

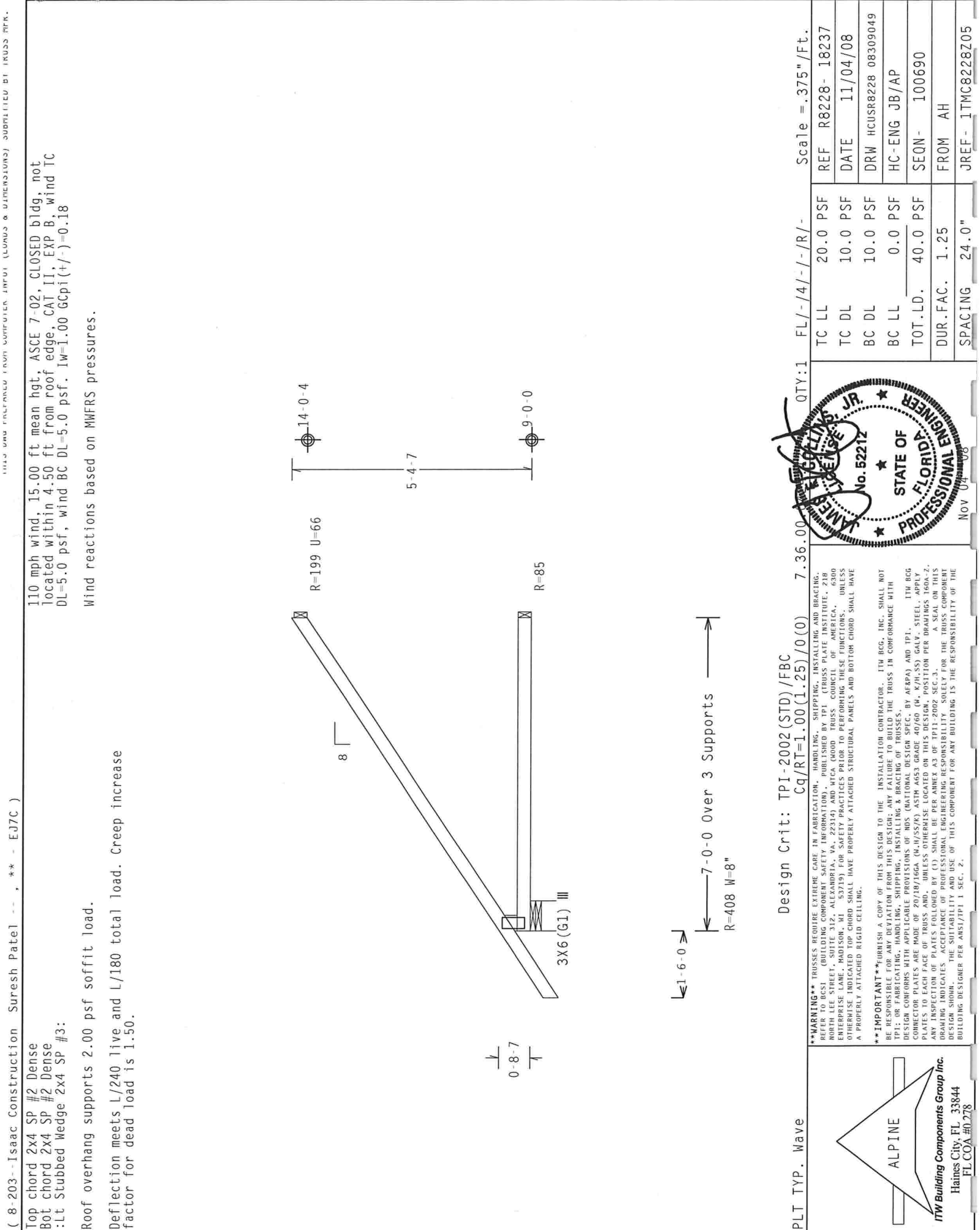
QTY: 1

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

Scale = .375" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2318 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 NDS (NATIONAL DESIGN SPEC., 2010/1606 (4, 8, 12, 16, 20, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96, 102, 108, 114, 120, 126, 132, 138, 144, 150, 156, 162, 168, 174, 180, 186, 192, 198, 204, 210, 216, 222, 228, 234, 240, 246, 252, 258, 264, 270, 276, 282, 288, 294, 300, 306, 312, 318, 324, 330, 336, 342, 348, 354, 360, 366, 372, 378, 384, 390, 396, 402, 408, 414, 420, 426, 432, 438, 444, 450, 456, 462, 468, 474, 480, 486, 492, 498, 504, 510, 516, 522, 528, 534, 540, 546, 552, 558, 564, 570, 576, 582, 588, 594, 600, 606, 612, 618, 624, 630, 636, 642, 648, 654, 660, 666, 672, 678, 684, 690, 696, 702, 708, 714, 720, 726, 732, 738, 744, 750, 756, 762, 768, 774, 780, 786, 792, 798, 804, 810, 816, 822, 828, 834, 840, 846, 852, 858, 864, 870, 876, 882, 888, 894, 900, 906, 912, 918, 924, 930, 936, 942, 948, 954, 960, 966, 972, 978, 984, 990, 996, 1002, 1008, 1014, 1020, 1026, 1032, 1038, 1044, 1050, 1056, 1062, 1068, 1074, 1080, 1086, 1092, 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8070, 8076, 8082, 8088, 8094, 8100, 8106, 8112, 8118, 8124, 8130, 8136, 8142, 8148, 8154, 8160, 8166, 8172, 8178, 8184, 8190, 8196, 8202, 8208, 8214, 8220, 8226, 8232, 8238, 8244, 8250, 8256, 8262, 8268, 8274, 8280, 8286, 8292, 8298, 8304, 8310, 8316, 8322, 8328, 8334, 8340, 8346, 8352, 8358, 8364, 8370, 8376, 8382, 8388, 8394, 8400, 8406, 8412, 8418, 8424, 8430, 8436, 8442, 8448, 8454, 8460, 8466, 8472, 8478, 8484, 8490, 8496, 8502, 8508, 8514, 8520, 8526, 8532, 8538, 8544, 8550, 8556, 8562, 8568, 8574, 8580, 8586, 8592, 8598, 8604, 8610, 8616, 8622, 8628, 8634, 8640, 8646, 8652, 8658, 8664, 8670, 8676, 8682, 8688, 8694, 8700, 8706, 8712, 8718, 8724, 8730, 8736, 8742, 8748, 8754, 8760, 8766, 8772, 8778, 8784, 8790, 8796, 8802, 8808, 8814, 8820, 8826, 8832, 8838, 8844, 8850, 8856, 8862, 8868, 8874, 8880, 8886, 8892, 8898, 8904, 8910, 8916, 8922, 8928, 8934, 8940, 8946, 8952, 8958, 8964, 8970, 8976, 8982, 8988, 8994, 9000, 9006, 9012, 9018, 9024, 9030, 9036, 9042, 9048, 9054, 9060, 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(8-203--Isaac Construction Suresh Patel -- , ** - EJ7C)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Studded 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. $I_w=1.00$ $GCF(+/-)=0.18$

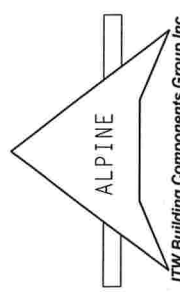
Wind reactions based on MWFRS pressures.

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/- 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"

REF R8228- 18237
DATE 11/04/08
DRW HCUSR8228 08309049
HC-ENG JB/AP
SEQN - 100690
FROM AH
JREF - 1TMC8228Z05

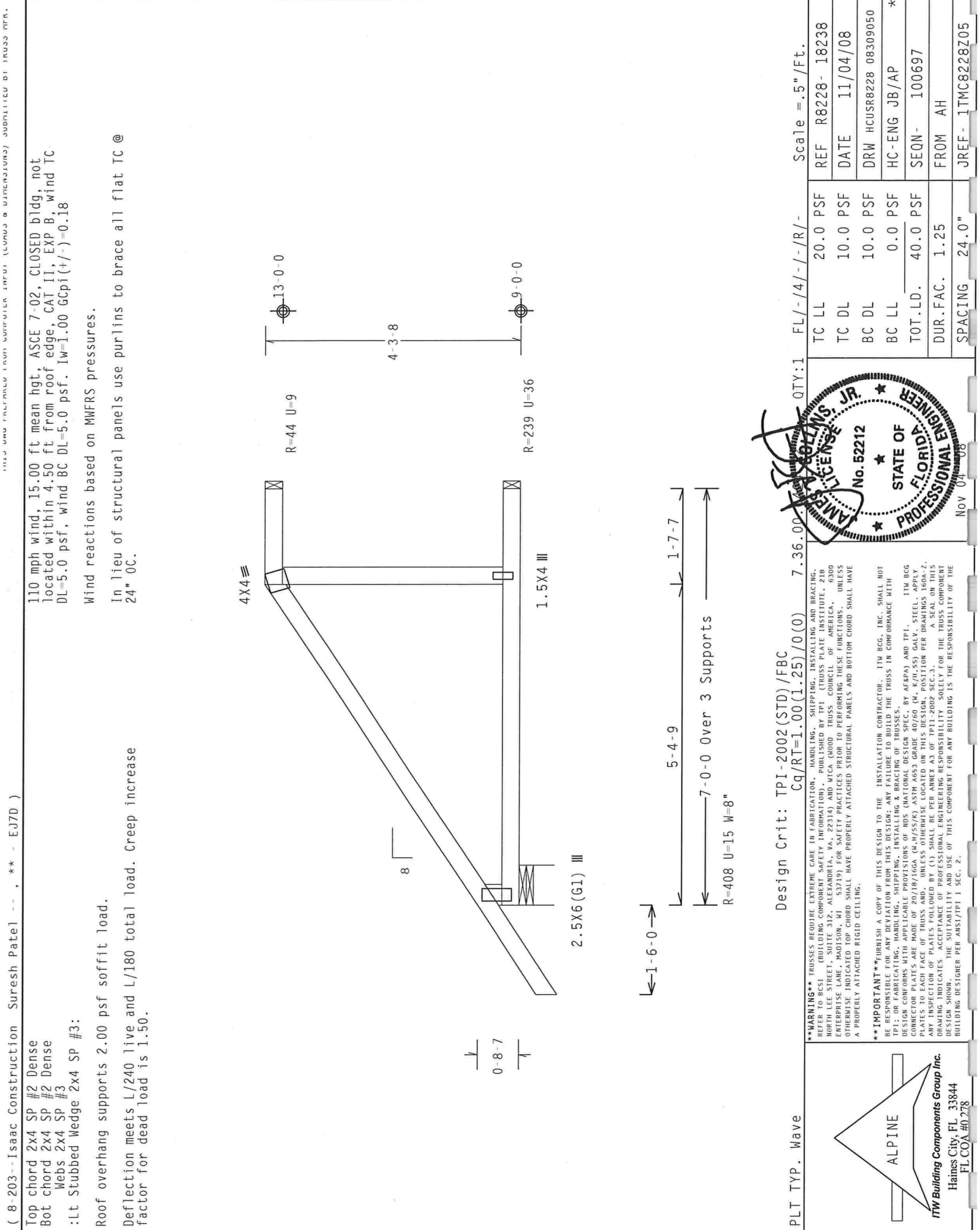


ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0.278

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI BUILDING COMPONENTS SYSTEMS, INC. 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND WCA, COORDINATOR, 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/PFA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/SS) ASTM A653 GRADE 40/60 (W, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANNEX A3 OF TPI 1 SEC. 2.

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



(8-203--Isaac Construction Suresh Patel --, ** - EJ7D)

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 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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.

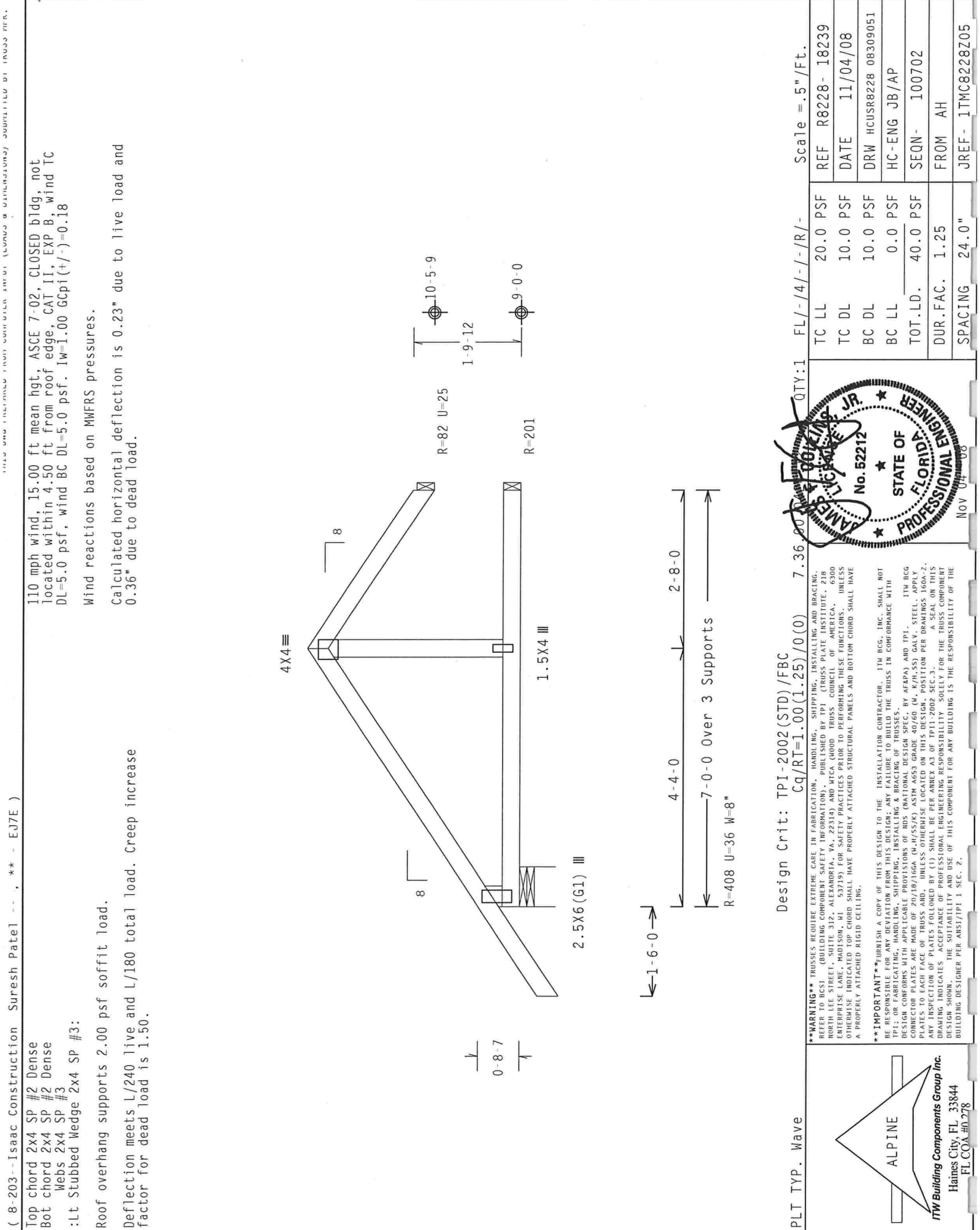
PLT TYP. Wave

ALPINE
Haines City, FL 33844
FL COA #0278

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

Nov 04 08
KAMBER COLLINS, JR.
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
LICENSE

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-	1TMC8228Z05



(8-203--Isaac Construction Suresh Patel -- , ** - EJ7E)

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.
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.

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

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

PLT TYP. Wave

Scale = .5" / Ft.

TC LL	20.0 PSF	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

ALPINE

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

Nov 04 08

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 52212

Nov 04 08

Nov 04 08

Nov 04 08

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

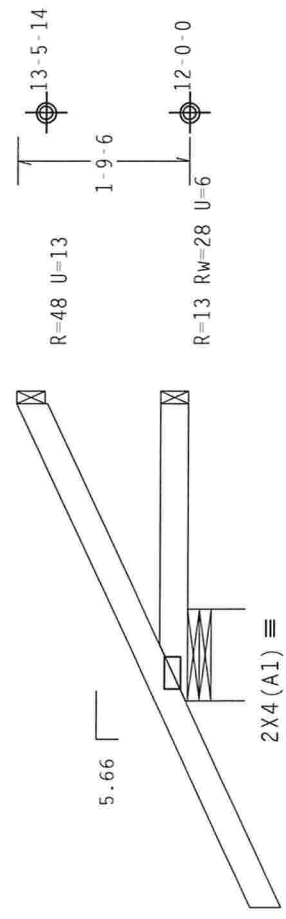
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)=0.18

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

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.

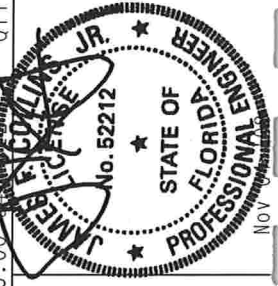


2-1-7

3-0-11 over 3 supports
R=331 U=41 W=11.314"

Design Crit: TPI-2002 (STD) / FBC

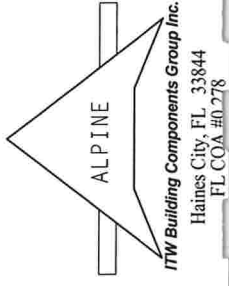
PLT TYP. Wave	QTY: 1	FL / - / 4 / - / - / R / -	Scale = .5" / Ft.
REF R8228- 18240	TC LL	20.0 PSF	
DATE 11/04/08	TC DL	10.0 PSF	
DRW HCUSR8228 08309038	BC DL	10.0 PSF	
HC-ENG JB/AP	BC LL	0.0 PSF	
SEQN- 100989	TOT.LD.	40.0 PSF	
FROM AH	DUR.FAC.	1.25	
JREF- 1TMC8228Z05	SPACING	24.0"	



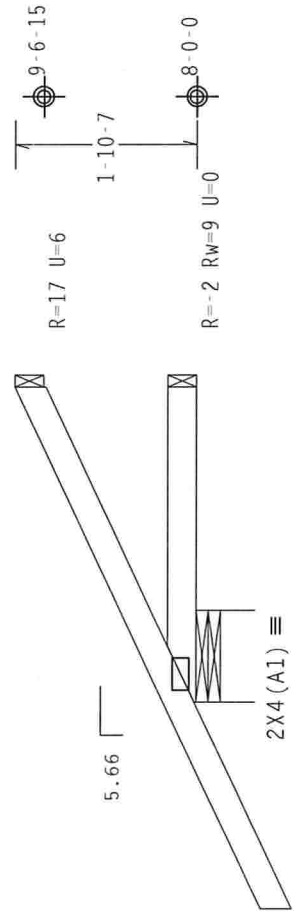
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG PLATES OR PLATES ARE MADE TO 2018/1816GA (N/A/55/83) ASTM A553 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO TOP CHORDS AND BOTTOM CHORDS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN TRUSS INSTITUTE (AT) OR (2) THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



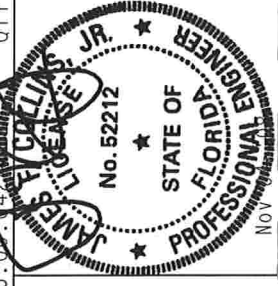
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Hipjack supports 2-3-8 setback jacks with no webs.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi (+/-)=0.18
Wind reactions based on MWFRS pressures.



2-1-7' →
3-2-14' Over 3 Supports
R=183 U=28 W=11.314"

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

PLT TYP. Wave	QTY: 1	FL/-/4/-/-/R/-	Scale = .5"/Ft.
REF R8228- 18241	TC LL 20.0 PSF	TC DL 10.0 PSF	DATE 11/04/08
DRW HCUSR8228 08309032	BC DL 10.0 PSF	BC LL 0.0 PSF	HC-ENG DF/DF
SEON- 109081	TOT.LD. 40.0 PSF	DUR.FAC. 1.25	FROM AH
JREF- 1TMC8228Z05	SPACING SEE ABOVE		



****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, 22304) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

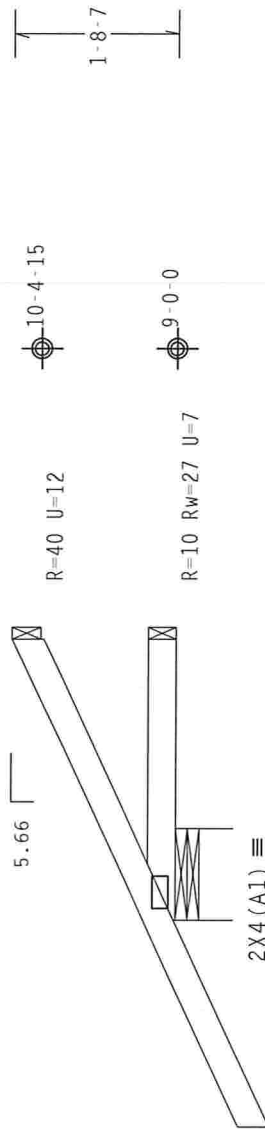
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/166A (M/J/SS/7K) ASTM A653 GRADE 40/60 (W, K/H/SS) GALV. STEEL. APPLY NAILS EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANALYST SPECIFICALLY CERTIFIES THAT THE TRUSS DESIGNER HAS REVIEWED THE TRUSS COMPONENT 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 #0.278

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.



2-1-7
2-10-10 Over 3 Supports
R=328 U=42 W=11.314"

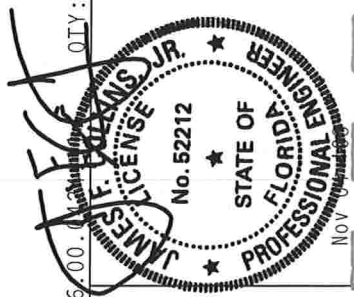
PLT TYP. Wave

36.00. ~~Material~~ QTY: 1 FL / - / 4 / - / - / R / - Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R8228- 18242
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 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

WARNING: THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY HANDBOOK, PUBLISHED BY THE CRUSS PAPER TESTIMATE, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND CONTACT THE CRUSS PAPER TESTIMATE, 6300 ENTERPRISE LANE, WAUWATOSA, WI 53191, FOR SAFETY PRACTICES RELATING TO THE PROPER USE OF THESE THUSSES. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****RESPONSIBILITY**** UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR IS RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITN BCG DESIGN COMBINS WITH APPLICABLE PROVISIONS OF AISI (NATIONAL DESIGN SPEC.), ASMEPS AND TPI. ALL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN SECTION. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERX A3 OF TPI-2009 SEC. 3 DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS BUILDING. THE SCOPE OF THIS COMMITMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMS/TPI 1 SEC. 2.



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

(8-203-- Isaac Construction Suresh Patel --, ** - J1C)

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

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

Wind reactions based on MMFRS pressures.

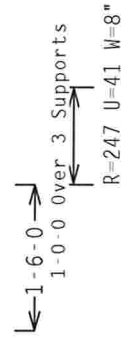
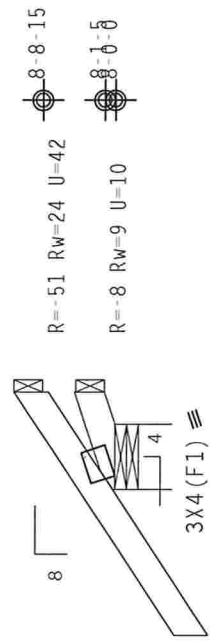
Shim all supports to solid bearing.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at -1.50 to 64 PLF at 1.00
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 21 PLF at 0.00 to 21 PLF at 1.00

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

PLT TYP. Wave

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

7.36.00

FL/-4/-/-R/-

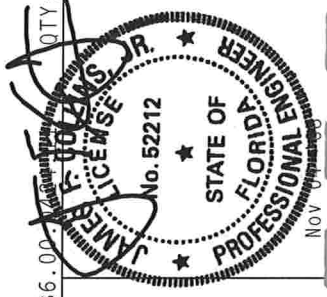
Scale =.5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCTA (NATIONAL COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (0.0156") ALUMINUM (A6063 GRADE 40/60 (0.0156" K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160B-2, 160C-2, 160D-2, 160E-2, 160F-2, 160G-2, 160H-2, 160I-2, 160J-2, 160K-2, 160L-2, 160M-2, 160N-2, 160O-2, 160P-2, 160Q-2, 160R-2, 160S-2, 160T-2, 160U-2, 160V-2, 160W-2, 160X-2, 160Y-2, 160Z-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEER'S DESIGN FOR THE TRUSS COMPONENT BUILDING DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

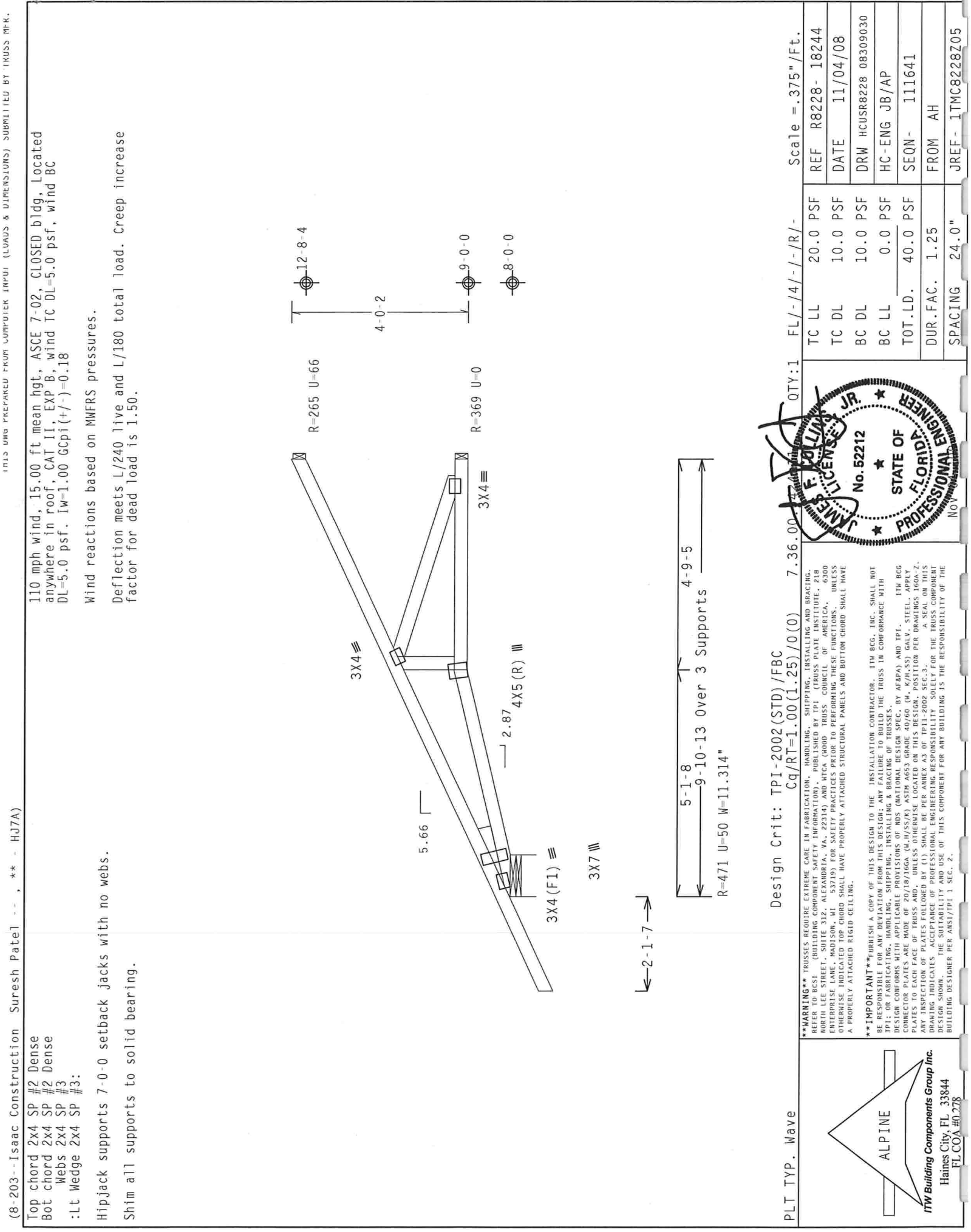


ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0-278



JAMES P. WILLIAMS, JR.
LICENSE
No. 52212
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Nov 2000

TC LL	20.0 PSF	REF	R8228- 18243
TC DL	10.0 PSF	DATE	11/04/08
BC DL	10.0 PSF	DRW	HCUSR8228 08309029
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	111608
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	ITWC8228Z05



(8-203--Isaac Construction Suresh Patel -- , ** - HJ7A)

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

Hipjack supports 7-0-0 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. lw=1.00 GCpl(+/-)=0.18

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

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY IKUSS MPR.

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

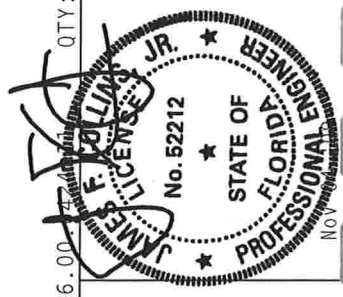
PLT TYP. Wave

Scale = .375" /Ft.

QTY:1

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

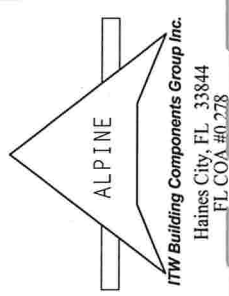
TC LL	20.0	PSF	REF	R8228- 18244
TC DL	10.0	PSF	DATE	11/04/08
BC DL	10.0	PSF	DRW	HCUSR8228 08309030
BC LL	0.0	PSF	HC-ENG	JB/AP
TOT.LD.	40.0	PSF	SEQN -	111641
DUR.FAC.	1.25		FROM	AH
SPACING	24.0"		JREF -	1TMC8228Z05



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, 6300 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 NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/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-Z. DRAWING INDICATES ACCEPTABLE PROFILES. A SEAL ON THIS DESIGN SHOWS THE SUIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



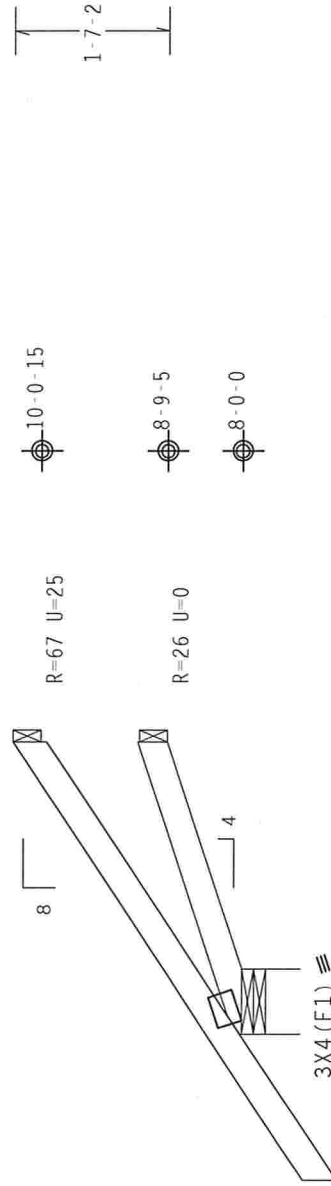
(8-203--Isaac Construction

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.

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.



$\overleftarrow{1-6-0}$ $\overleftrightarrow{3-0-0}$ Over 3 Supports $\overrightarrow{0-2-5}$ 11-17 14-9"

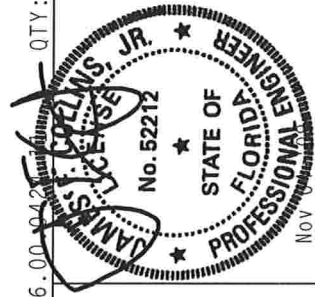
Design Crit: TPI-2002(STD)/FBC
Ca/RT=1.00(1.25)/

PLT TYP. Wave

7.36.00.0425 ~~1~~ 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-	1TWC8228Z05

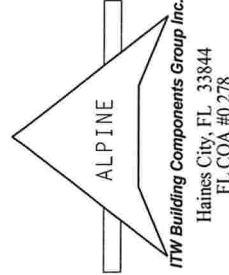


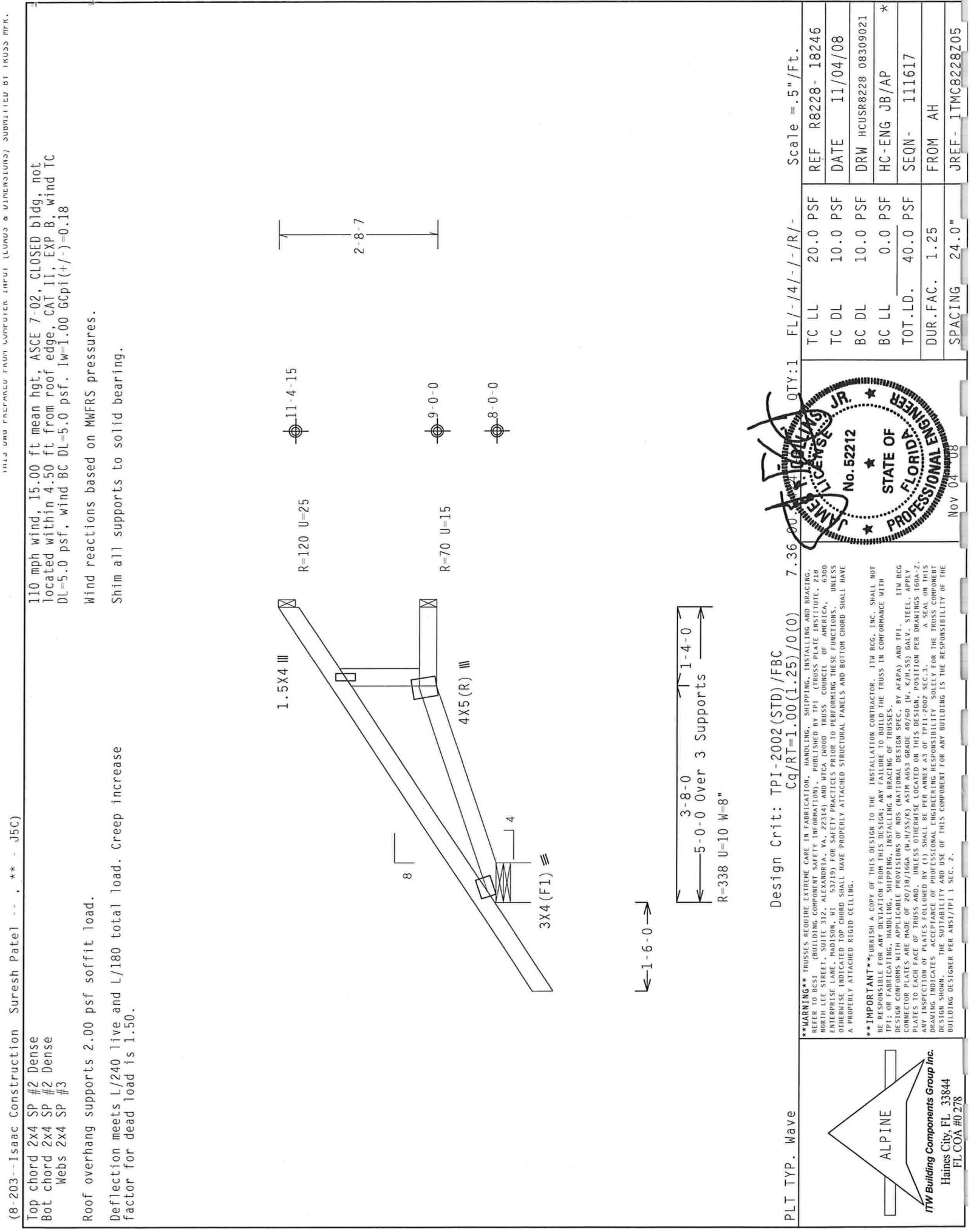
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING PRACTICES FOR SAFETY INFORMATION. PUBLISHED BY TPJ (TRUSS PLATE INSTITUTE, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53715) 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 TPJ OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPJ. ITW BCG PLATES TO EACH FACE OF TRUSS AND TRUSS MEMBERS LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.2. ANY INSPECTION OF PLATES FOLLOWED BY TRUSS MANUFACTURER SHOULD BE BY TPJ-2002 SEC.3.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SHEET 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/TPJ 1 SEC. 2.





(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.

Design Crit: TPI-2002 (STD) /FBC
 $C_q/RT=1.00(1.25)/0(0)$
Scale = .5" /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"	

PLT TYP. Wave

Nov 04 08

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

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

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 Slider 2x4 SP #3: BLOCK LENGTH = 1.854'
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. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.
Shim all supports to solid bearing.

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- 18247

DATE 11/04/08

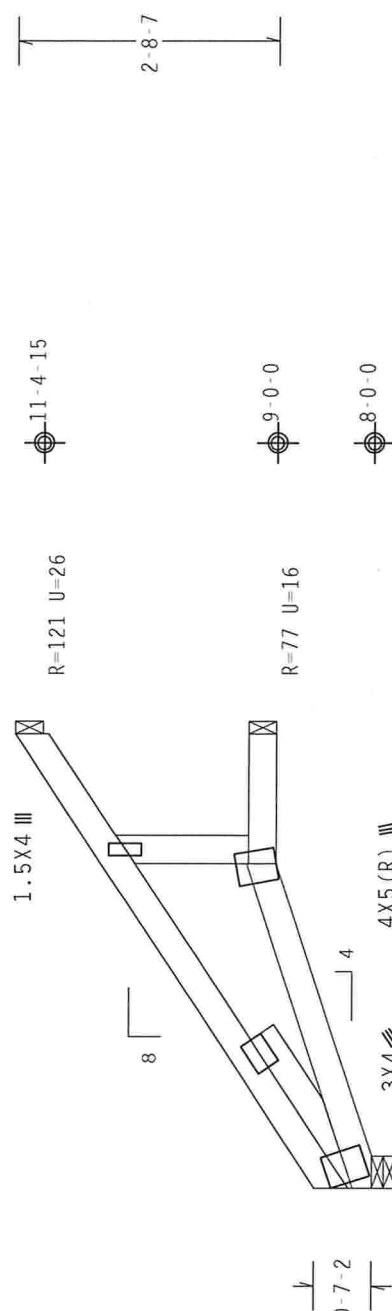
DRW HCUSR8228 08309022

HC-ENG JB/AP

SEQN- 111623

FROM AH

JREF- 1TMC8228705



3-4-0
4-8-0 Over 3 Supports
R=198 U=0 W=4"

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

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- 18247

DATE 11/04/08

DRW HCUSR8228 08309022

HC-ENG JB/AP

SEQN- 111623

FROM AH

JREF- 1TMC8228705

Nov 04 '08

Professional Engineer
STATE OF FLORIDA
No. 52212
JAMES E. COLVINS JR.

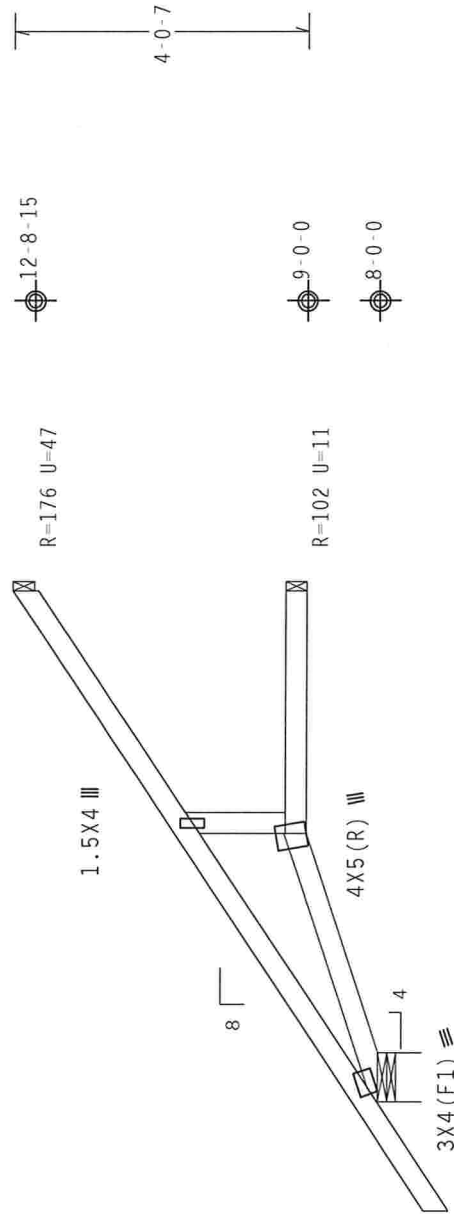
Top chord	2x4	SP #2	Dense	110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCPI(+/-)=0.18
Bot chord	2x4	SP #2	Dense	
Webs	2x4	SP #3		

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.

Wind reactions based on MWFRS pressures.

Shim all supports to solid bearing.



1-6-07

3-8-0 3-4-0
7-0-0 over 3 Supports

R=417 U=5 W=8"

Design Crit: TPI-2002(STD)/FBC

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

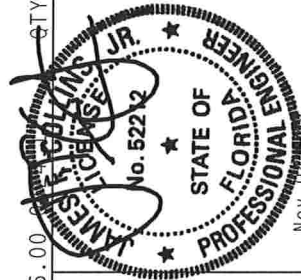
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~~QTY: 1~~

F11-141-1-1R/-

$$\text{Scale} = 375''/\text{Ft}$$

TC LL	20.0	PSF	REF	R8228-	18248
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-	111627	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		REF-	1TWC8228Z05	

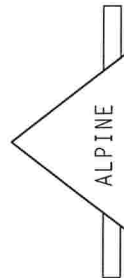


Nov 07 08:47 AM

*****WARNING***** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO CESS MULTITECH SYSTEMS CORPORATION, PUBLISHED BY IPTI (CRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304, FOR MORE INFORMATION. 6300 ENTERPRISE LANE, WADSWORTH, MI 48093, FOR SALES. 52719, FOR SAFETY PRACTICES PRIOR TO PERFORMING FUNCTIONS. 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 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMPATIBLE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AISC) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/1768 (W-H-T/SSK) ASTM A653 GRADE 40/60 (N, KYN-SS) 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 AMBX 43 OF TPI-2002 SEC. 3.2. A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABLE AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER A515/TPI 1 SEC. 2.



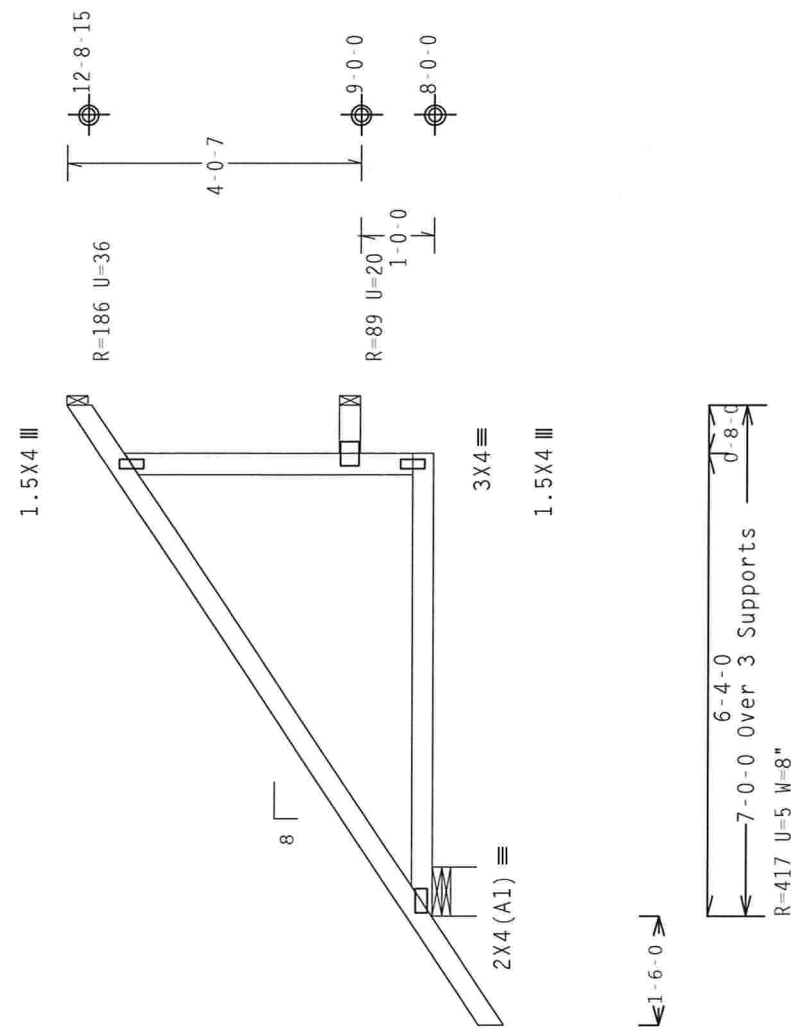
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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, 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

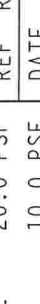
Roof overhang supports 2.00 psf soffit load.

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



PLT TYP. Wave

Scale = 375"/Ft.

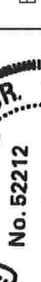


ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0-278

WARNING** BUILDERS REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TP1, BUILDING SYSTEMS, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48375) 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.

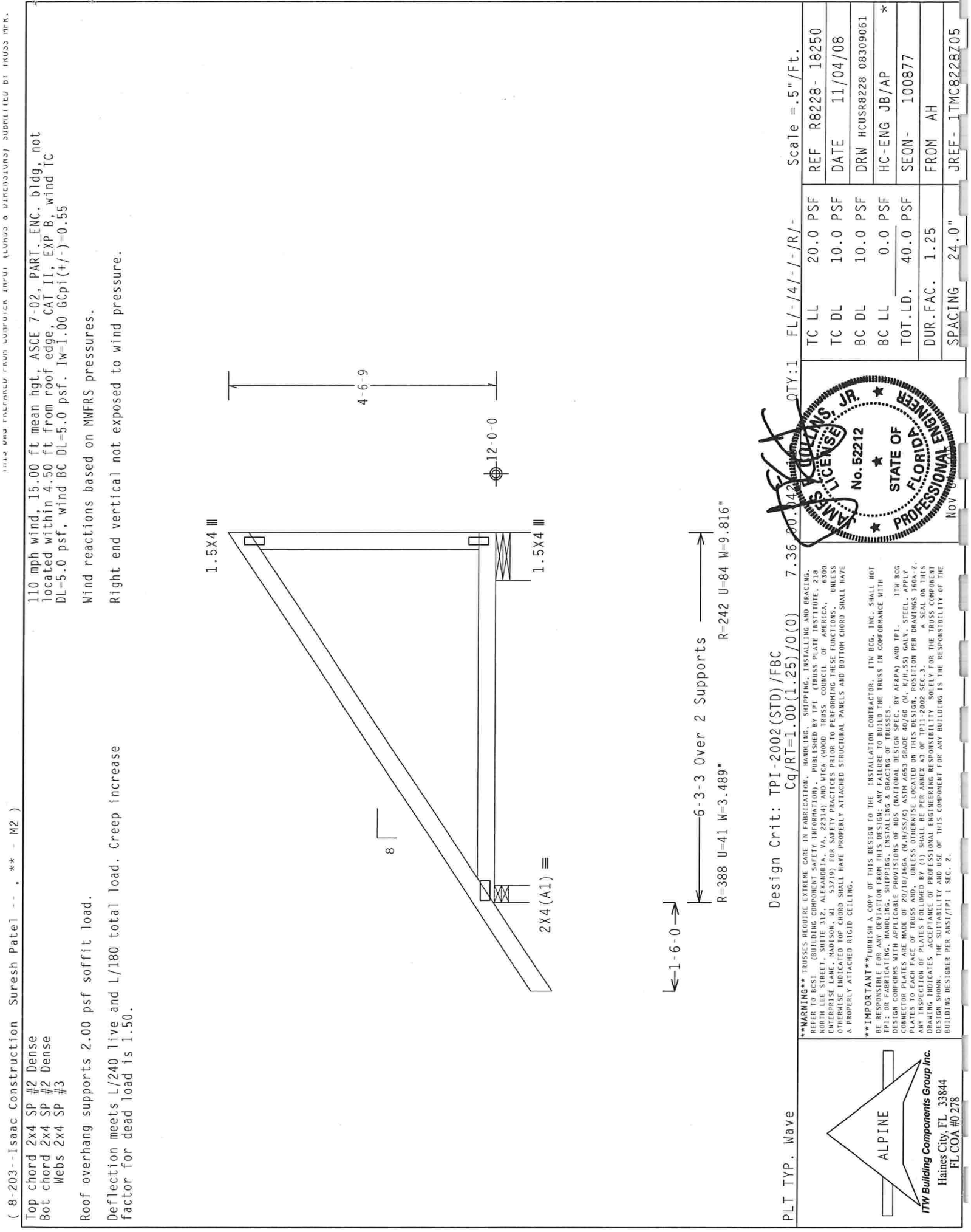
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TP1. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/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 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TP1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



Nov 01 2002

REF	R8228	18249	TC LL	20.0	PSF
DATE	11/04/08		TC DL	10.0	PSF
DRW	HCUSR8228	08309024	BC DL	10.0	PSF
HC-ENG	JB/AP	*	BC LL	0.0	PSF
SEQN-	111632		TOT.LD.	40.0	PSF
FROM	AH		DUR.FAC.	1.25	
JREF-	1TMC8228205		SPACING	24.0"	



(8-203--Isaac Construction Suresh Patel -- , ** - M2)

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, 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. Iw=1.00 GCpl(+/-)=0.55

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

Scale = .5" / Ft.

PLT TYP. Wave

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

7.36 20.042 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- 18250
DATE 11/04/08
DRW HCUSR8228 08309061
HC-ENG JB/AP
SEQN- 100877
FROM AH
JREF- 1TMC8228Z05

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

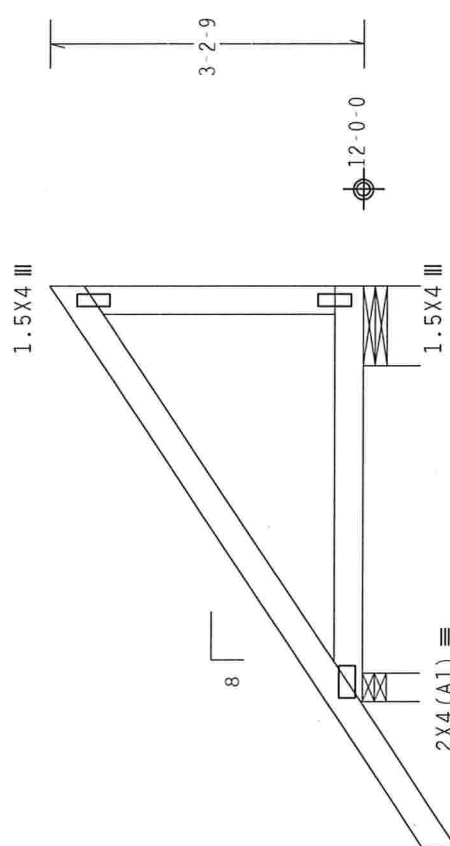
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART_ENC.bldg,
Located anywhere in roof, CAT 11, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

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



← 1-6-0 →

← 4-3-3 Over 2 Supports →

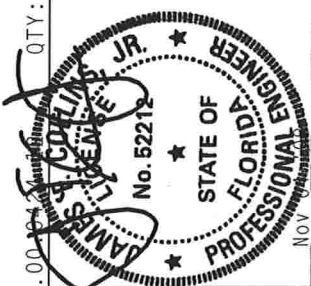
R-311 U=35 W=3.489"

R=150 U=54 W=9.816"

Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/0(0)$$
$$\text{Scale} = 5''/\text{Ft}$$

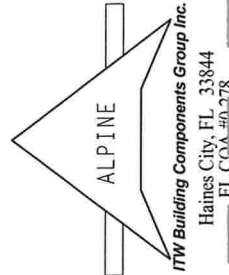
TC LL	20.0	PSF	REF	R8228- 18251
TC DL	10.0	PSF	DATE	11/04/08
BC DL	10.0	PSF	DRW	HCUSR8228 08309062
BC LL	0.0	PSF	HC-ENG	JB/AP *
TOT.LD.	40.0	PSF	SEQN-	100881
DUR.FAC.	1.25		FROM	AH
SPACING	24.0"		JREF-	1TMC8228Z05



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENTS INFORMATION) CO., PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WPCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, WOODBURN, MI, 48185) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOU CHORD SHALL HAVE

****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 SPECIFICATIONS WILL BE AT THE RISK OF THE CLIENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI, 1TH ECG CONNECTOR PLATES ARE MADE OF 20/18TH GRADE (N/155SS) ASTM A653 GRADE 40/60 (N, K/11-55) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITIONED 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, 160A-403, 160A-404, 160A-405, 160A-406, 160A-407, 160A-408, 160A-409, 160A-

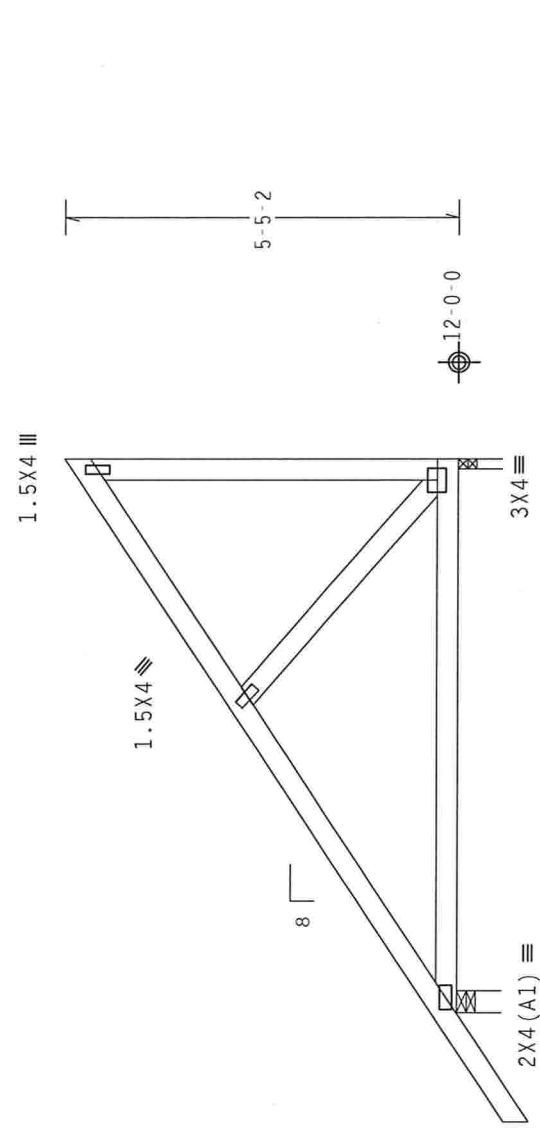


Top chord	2x4	SP #2	Dense	110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART_ENC. bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B; wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.55
Bot chord	2x4	SP #2	Dense	
webs	2x4	SP #3		

Roof overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load. Creep increase Right end vertical not exposed to wind pressure.

++ ANCHORAGE REQ'D TO PREVENT TRUSS FROM SLIPPING OFF BEARING.

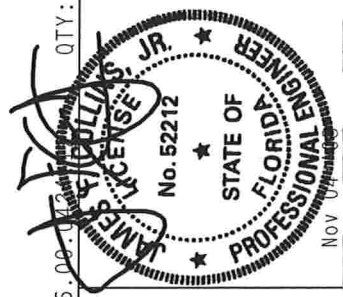


$\hookleftarrow 1-6-0 \rightarrow$
 $\longleftrightarrow 7-7-0$ Over 2 Supports
 $\longleftrightarrow$
 $R=441 \quad U=45 \quad W=3.5''$
 $R=300 \quad U=103 \quad W=1.61'' \rightarrow$

Design Crit: TPI-2002(STD)/FBC

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

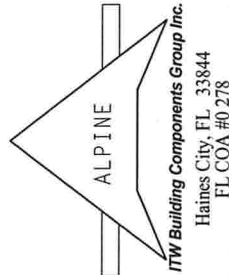
TC LL	20.0	PSF	REF	R8228-	18252
TC DL	10.0	PSF	DATE	11/04/08	
BC DL	10.0	PSF	DRW	HCUSR8228	08309058
BC LL	0.0	PSF	HC-ENG	JB/AP	*
TOT.LD.	40.0	PSF	SEQN-	100887	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TMC8228Z05	



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DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AEP&P) AND TPI. TYPICAL CONNECTOR PLATES WERE MADE OF 20/18/16GA (H/U/S/S) ASTM A653 GRADE 40/60 (H. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T60A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-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 ANNEX/TPI 1 SEC. 2.



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

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

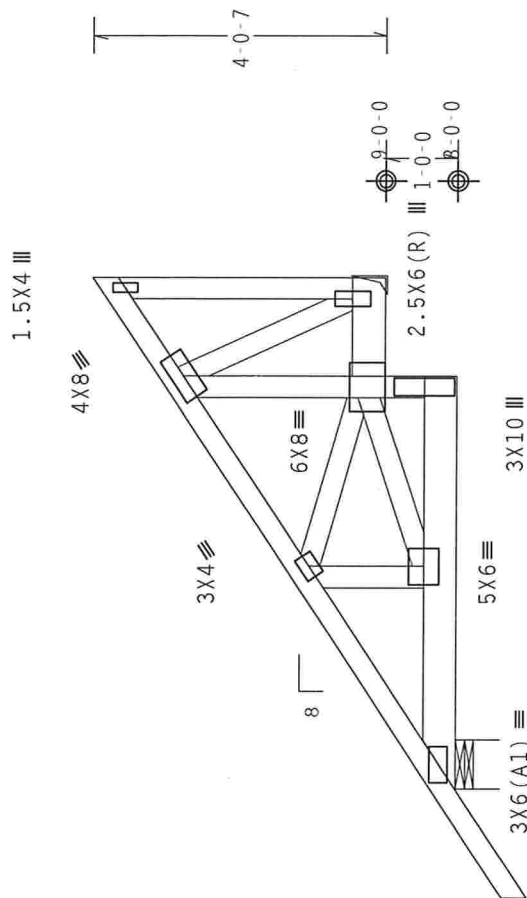
Roof overhang supports 2.00 psf soffit load.

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

SPECIAL LOADS

		(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC	From 64 PLF at 1.50 to 64 PLF at 7.00	
BC	From 5 PLF at 1.50 to 5 PLF at 0.00	
BC	From 20 PLF at 0.00 to 20 PLF at 6.33	
BC	From 20 PLF at 6.33 to 20 PLF at 7.00	
PLB	974 LB Conc. Load at (0.90,8.04)	
PLB	970 LB Conc. Load at (2.90,8.04), (4.90,8.04)	
PLB	976 LB Conc. Load at (6.90,9.04)	

Right end vertical not exposed to wind pressure.



1-6-07

5-7-12
7-0-0 Over 2 Supports
1-4-4

R=2178 U=196 W=8" R=2403 U=183

Design Crit: TPI-2002(STD)/FBC

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

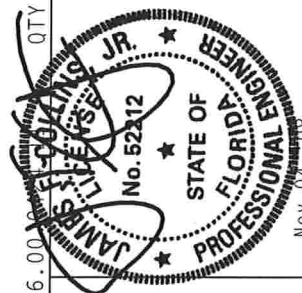
QTY: 1 EL / - / 4 / - / - / R / - / -

$$\text{Scale} = 375''/\text{ft}$$

WARNING: THOUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSI BUILDING COMPONENT SAFETY (BCS) MANUAL, PUBLISHED BY RPI (CRUSS PLATE INSTITUTE), 218 NORTH EARTH LANE, WEST SUITE 312, ALBANY, NY 12219, AND VTC ASSOCIATES, 6300 CENTRE DRIVE, SUITE 200, CHICAGO, IL 60631, 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.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY FAILURE TO FABRICATE, HANDLE, SHIP, INSTALL OR BRACE THE TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF INDUS (MATERIAL DESIGN SPEC. BY ATAPRA) AND TPI. CONNECTION PLATES ARE MADE OF 20/18/16GA (41H/55/52) ASTM A563 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. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.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 ANSI/TPI 1 SEC. 2.



JREF- 1TMC8228705

SPACING 24.0"

Nov 04 08

THE NO. OF OBSERVATIONS

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Haines City, FL 33844
FL COA #0 278

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 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.

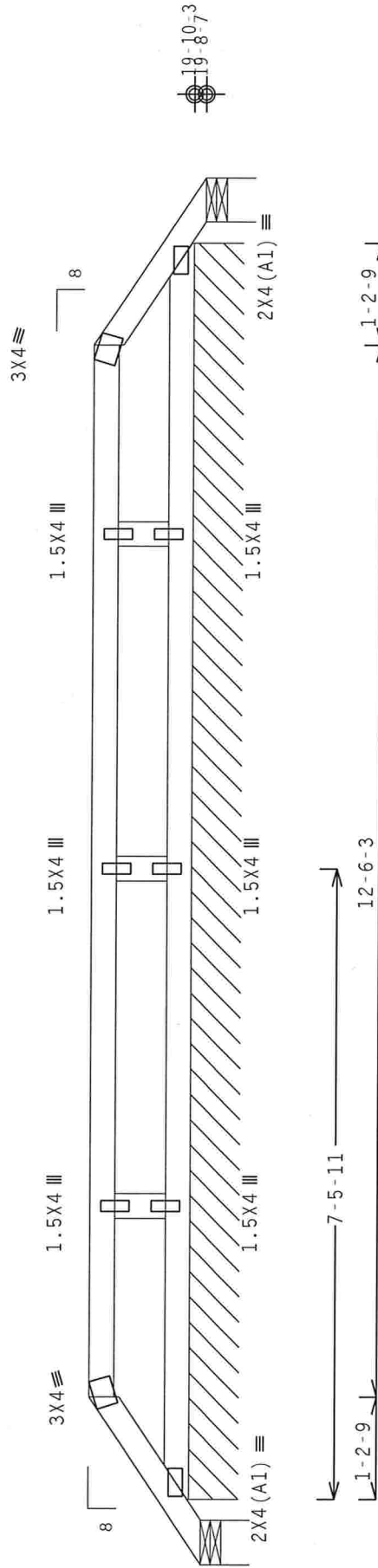
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

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.



16-6-0 Over 3 Supports

R=6 R_w=19 U=19 W=6.31"
R=72 PLF U=22 PLF W=14-11-6

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

PLT TYP. Wave

7.36.00

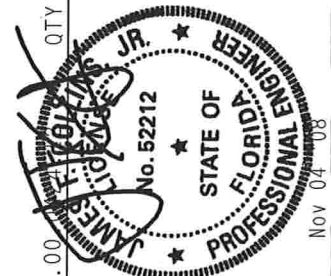
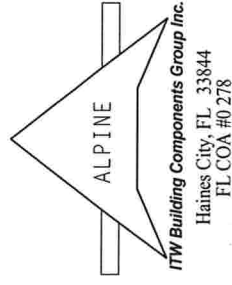
QTY:1

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

Scale =.5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2318 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE.



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

op	chord	2x4	SP	#2	Dense
ot	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.

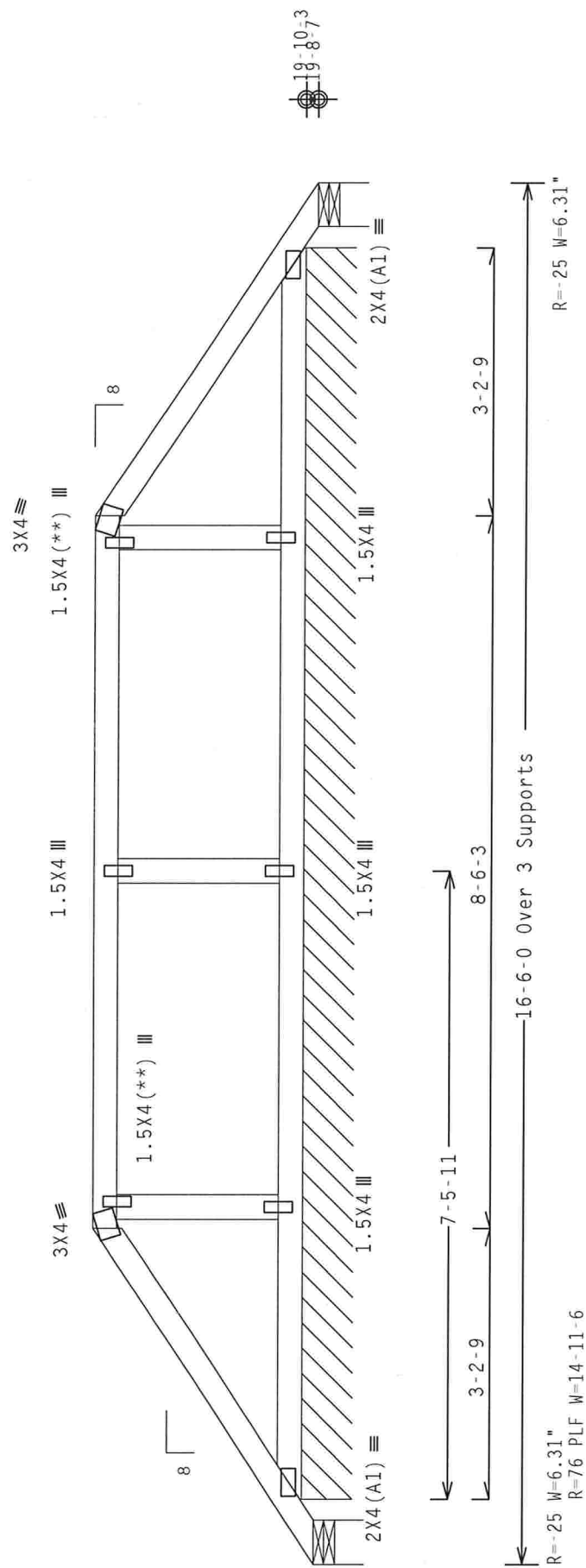
n lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" OC, all BC @ 24" OC.

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

SPECIAL LOADS

C	From	64 PLF at 0.00 to	64 PLF at 3.99
C	From	64 PLF at 3.99 to	64 PLF at 12.51
C	From	64 PLF at 12.51 to	64 PLF at 16.50
C	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.



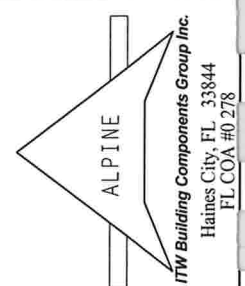
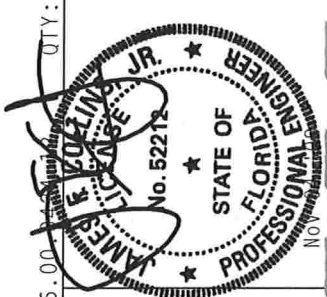
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0

Scale = .5" / Ft.

LT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719). FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

TC LL	20.0	PSF	REF	R8228- 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



op	chord	2x4	SP	#2	Dense
ot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

10 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 I=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCp(+/-)=0.18

blind reactions based on MWFRS pressures.

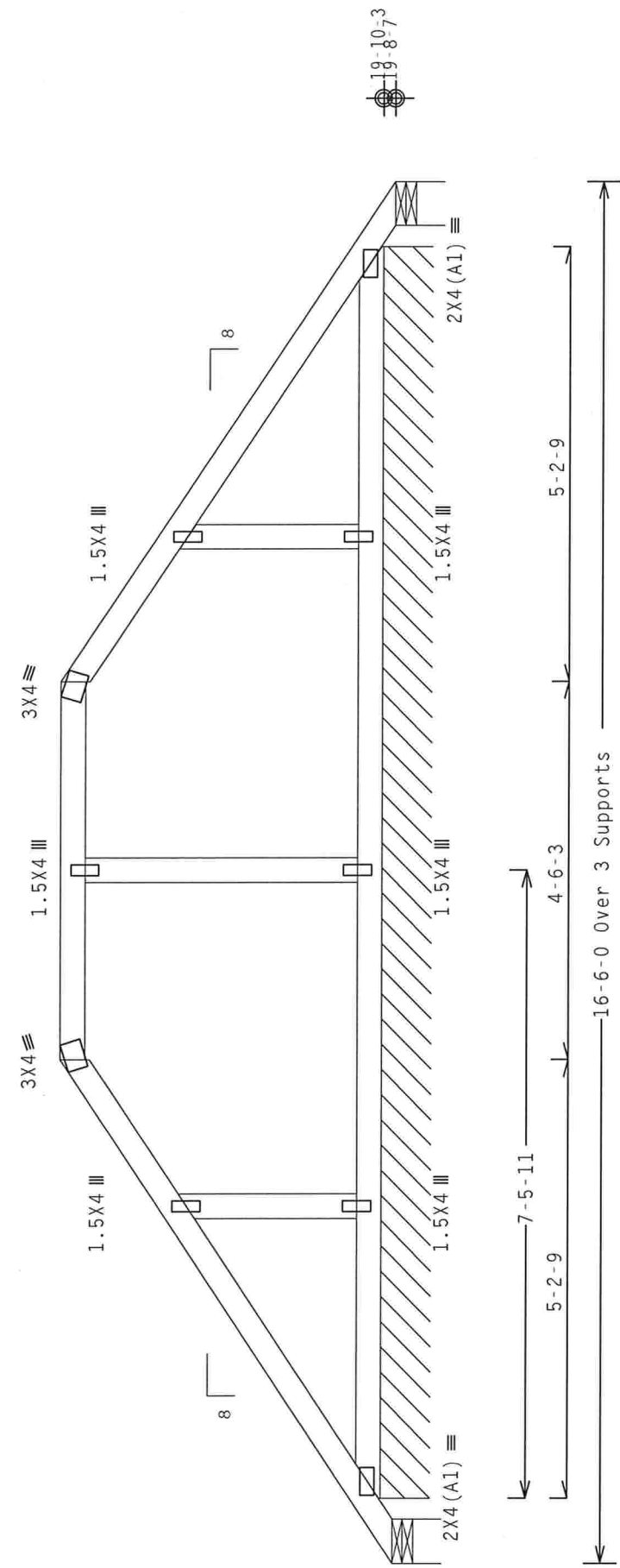
reflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

SPECIAL LOADS

C	From	64 PLF at 0.00 to	64 PLF at 5.99
C	From	64 PLF at 5.99 to	64 PLF at 10.51
C	From	64 PLF at 10.51 to	64 PLF at 16.50
C	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

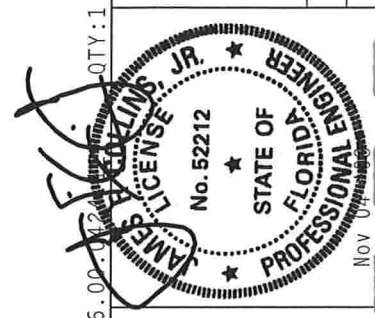
R=-19 R_w=28 U=18 W=6.31"

Design Crit: TPI-2002(STD)/FBC

ULT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT INFORMATION), PUBLISHED BY TPI (TRUSS PULPIT INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AFCA (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. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN WILL BE AT THE USER'S RISK. SHIPPING, INSTALLING & BRACING OF TRUSSES, AND THE CONNECTIONS BETWEEN TRUSSES, SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS: ALL TRUSS CONNECTOR PLATES ARE MADE OF 2018/16GA (.0185") 45M A363 GRADE 40X4 CM X .155IN GALV. STEEL. APPROX. 2% PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER ANCHORS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3., A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/PTI 1 SEC. 2.



FL / 4 / K	Scale = 5 / FL
TC LL 20.0 PSF	REF R8228- 18256
TC DL 10.0 PSF	DATE 11/04/08
BC DL 10.0 PSF	DRW HCUR8228 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- 1TMC8228Z05

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

Wind reactions based on MWFRS pressures.

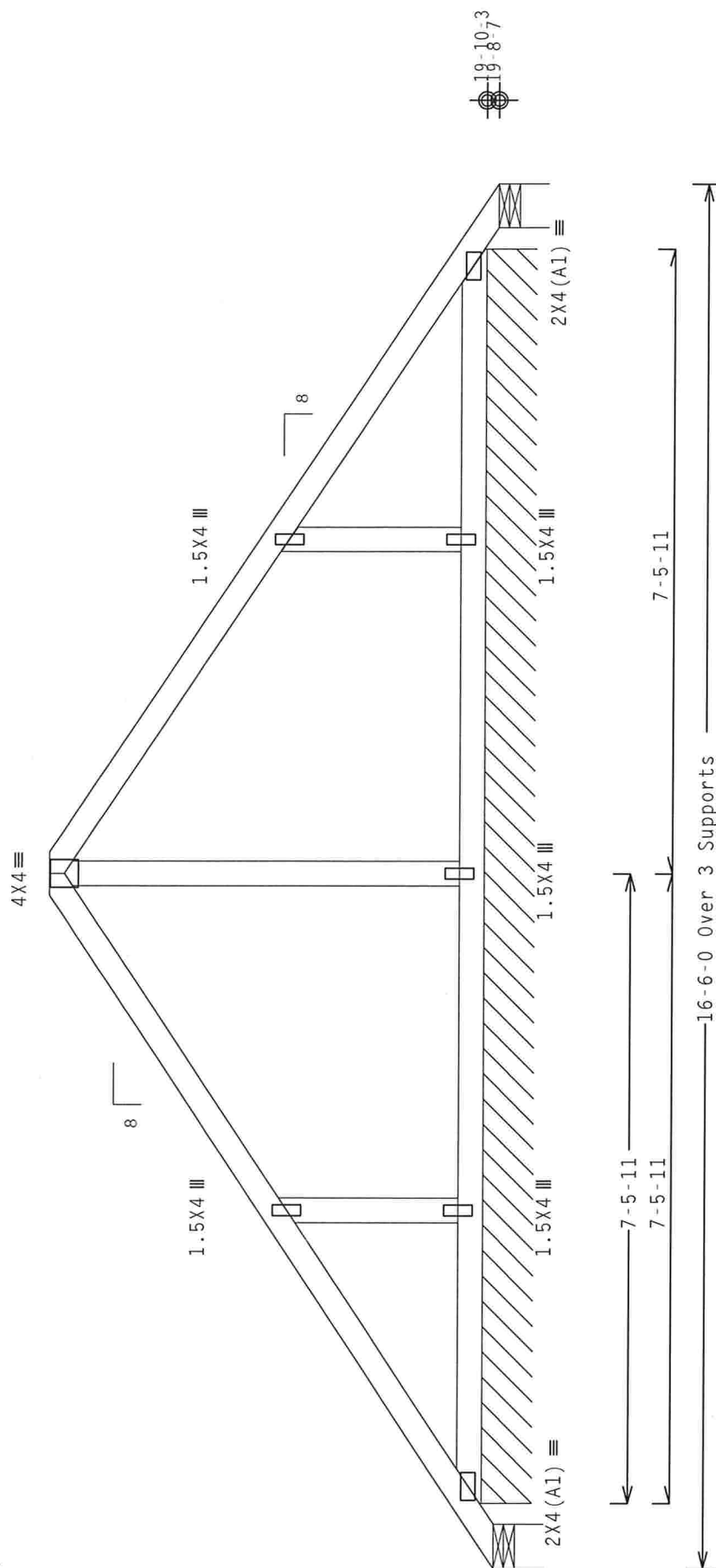
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS

		DUR.FAC.=1.25 / PLATE		DUR.FAC.=1.25	
ITC - From	64 PLF at	0.00 to	64 PLF at	7.99	
TC - From	64 PLF at	0.51 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.



R=-15 RW=80 II=82 W=6 31"

R=72 PLF U=25 PLF W=14-11-6

-16-6-0 Over 3 Supports

R=-15 RW=18 U=12 W=6.31"

Design Crit: TPI-2002(STD)/FBC

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

7.37.08

EI 1-141-1-1B1-

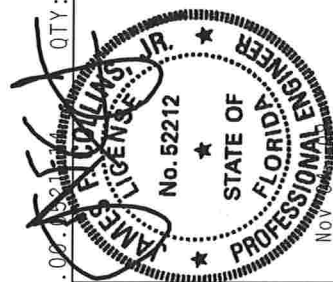
Scale = .5"/Ft.

TC LL	20.0	PSF	REF	R8228-	18257
TC DL	10.0	PSF	DATE	11/04/08	
BC DL	10.0	PSF	DRW	HCUSR8228	08309067
BC LL	0.0	PSF	HC-ENG	JB/AP	
TOT.LD.	40.0	PSF	SEQN-	13236	REV
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TMC82282705	

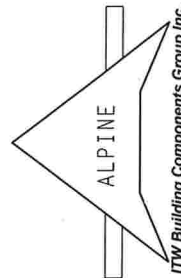
[illegible]

****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 CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. FOR STEEL CONNECTION PLATES ARE MADE OF 20Y18/1668 (A36) STEEL, ASTM A563 GRADE 40 (60 KSI) 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 ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TP1 1 SEC. 2.



PLT TYP. Wave



ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

(8-203--Isaac Construction Suresh Patel -- , ** - PB5)

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.

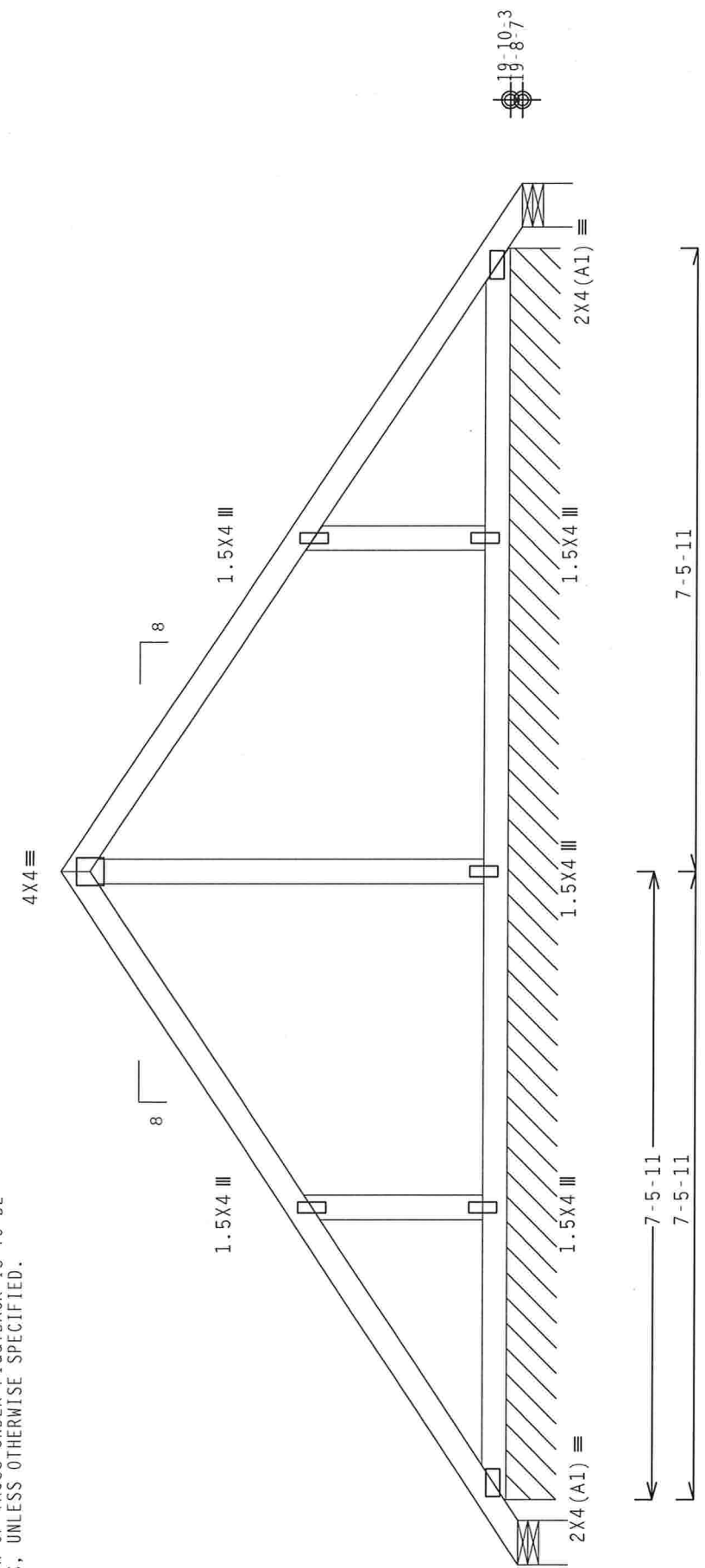
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

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 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.



PLT TYP. Wave
R=-14 Rw=82 U=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

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

REF	R8228- 18258
DATE	11/04/08
DRW	HCUSR8228 08309068
HC-ENG	JB/AP
SEQN-	100574
FROM	AH
JREF-	1TMC8228Z05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE NATIONAL TRUSS COUNCIL OF AMERICA, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND AISC (H000) 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. 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/PA) AND TPI1. ITM BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (40/60) 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 TPI1-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE SIGNATURE AND SEAL OF THE PROFESSIONAL ENGINEER RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SIGNATURE AND SEAL 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

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

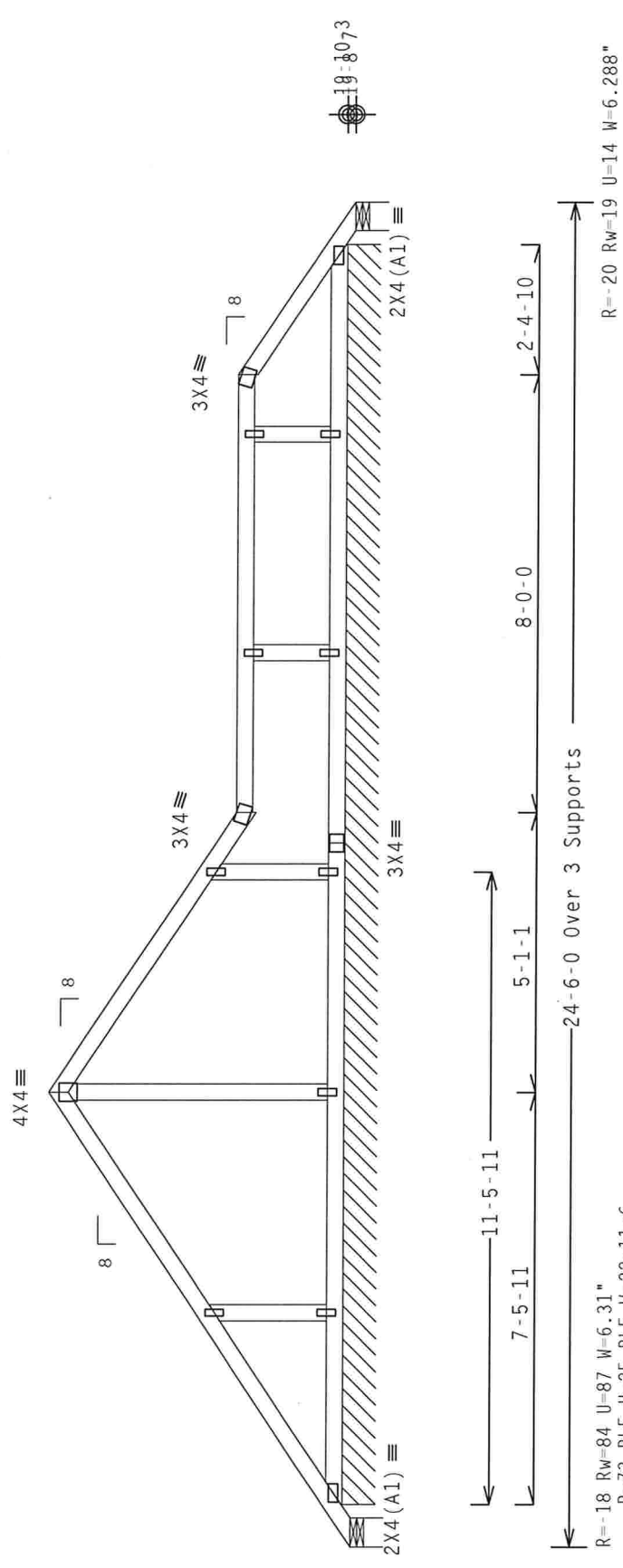
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002 (STD) /FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.37.00 QTY:1 FL/-4/-/-R/- Scale = .3125"/Ft.

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

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

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.

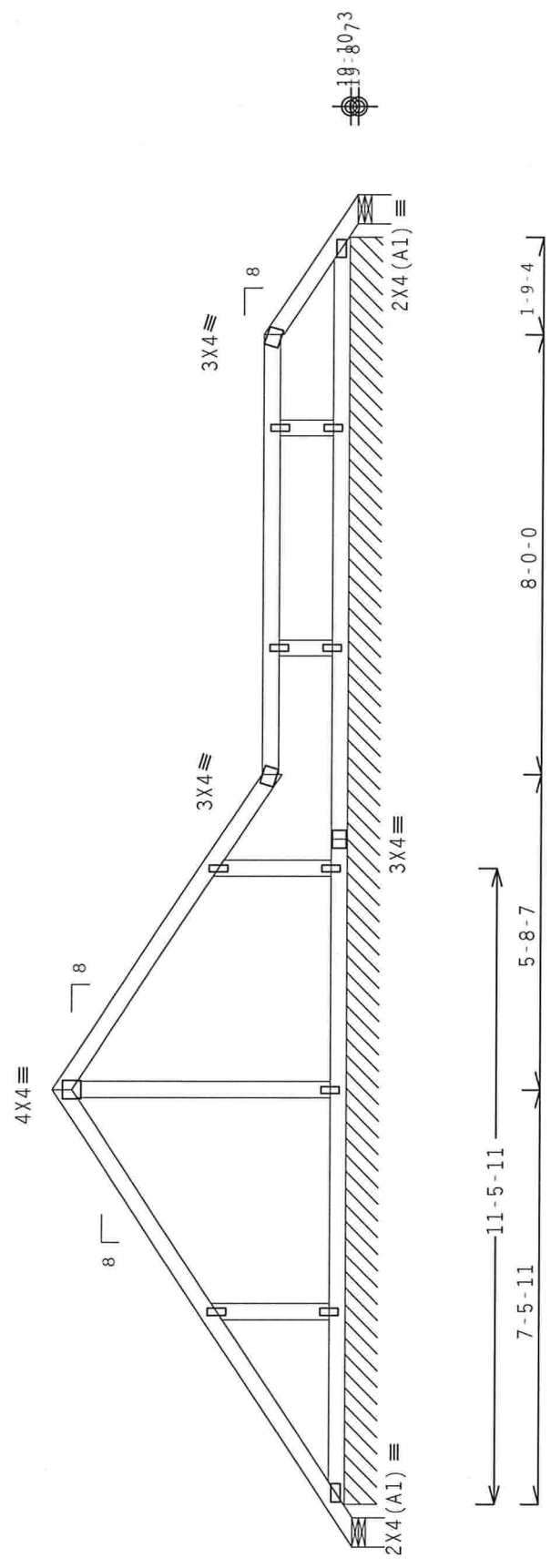
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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"

24-5-15 Over 3 Supports

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

Scale = .3125" / Ft.

QTY: 1	FL / - / 4 / - / - / R / -	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), 27 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 AND 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 2018/176GA (4-H/55/8) ASTM A653 GRADE 40/60 (4, 8/16, SS) GALV. STEEL. APPLY MAXIMUM TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ALL SPACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER FOR THE A-SS COMPONENT OF THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/TPI 1 SEC. 2.

ALPINE

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

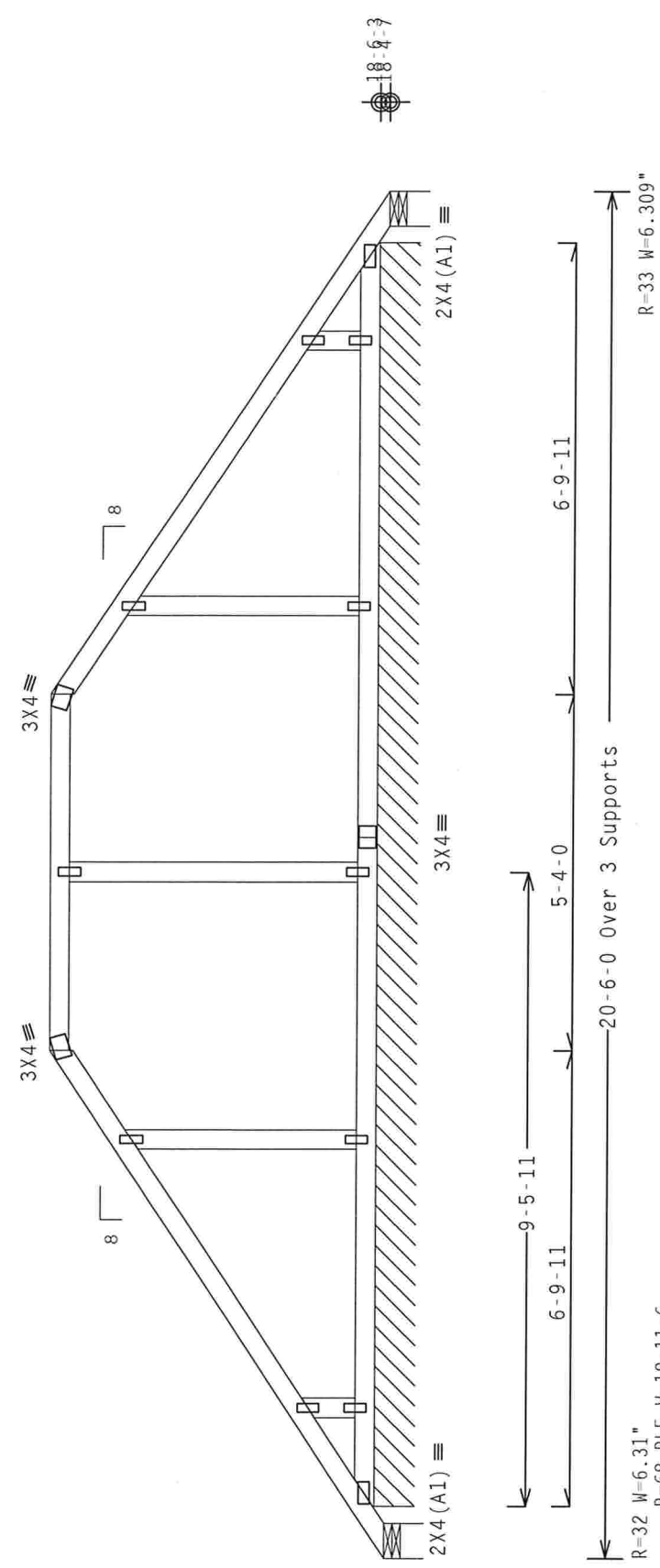
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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 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 7.58
TC - From 64 PLF at 7.58 to 64 PLF at 12.92
TC - From 64 PLF at 12.92 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)

PLT TYP. Wave

Scale = .375" / Ft.

REF	QTY	FL	-	4	-	1	-	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- 18261
DATE 11/04/08
DRW HCUSR8228 08309031
HC-ENG JB/AP
SEQN- 109234
FROM AH
JREF- 1TMC8228Z05

Nov 04 2008

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

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

ALPINE

ITW BCG
CONNECTOR PLATES ARE MADE OF 2019/16GA (0.0175) ALUMINUM (6061-T6) OR 2019/16GA (0.0175) ALUMINUM (6061-T6) GALV. STEEL. APPLY ANY INSPECTION OF PLATES. IF THE PLATES ARE DAMAGED OR DEFORMED, THE PLATES SHALL BE REPLACED. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN. THE SEAL IS THE PROPERTY OF THE BUILDING DESIGNER PER ANSI/ASCE 1 SEC. 2.

ITW BCG
CONNECTOR PLATES ARE MADE OF 2019/16GA (0.0175) ALUMINUM (6061-T6) OR 2019/16GA (0.0175) ALUMINUM (6061-T6) GALV. STEEL. APPLY ANY INSPECTION OF PLATES. IF THE PLATES ARE DAMAGED OR DEFORMED, THE PLATES SHALL BE REPLACED. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN. THE SEAL IS THE PROPERTY OF THE BUILDING DESIGNER PER ANSI/ASCE 1 SEC. 2.

ITW BCG
CONNECTOR PLATES ARE MADE OF 2019/16GA (0.0175) ALUMINUM (6061-T6) OR 2019/16GA (0.0175) ALUMINUM (6061-T6) GALV. STEEL. APPLY ANY INSPECTION OF PLATES. IF THE PLATES ARE DAMAGED OR DEFORMED, THE PLATES SHALL BE REPLACED. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN. THE SEAL IS THE PROPERTY OF THE BUILDING DESIGNER PER ANSI/ASCE 1 SEC. 2.

	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.

1110 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 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

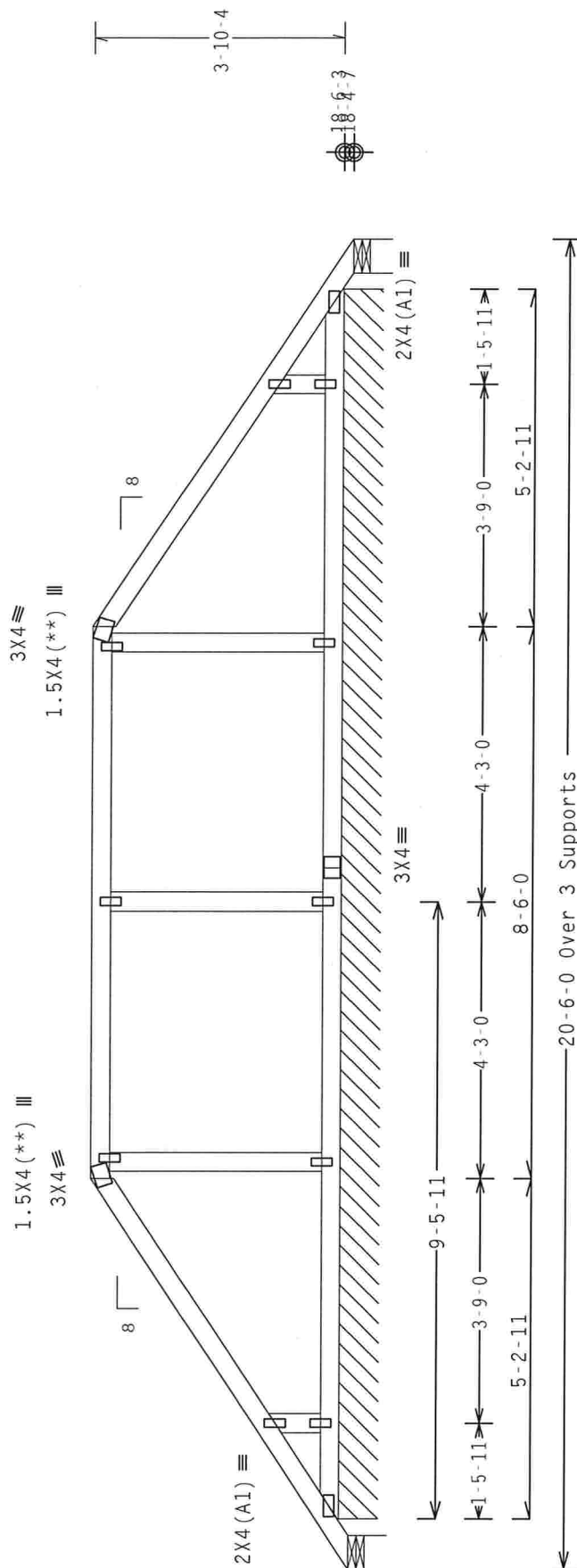
Refer to DWG PIGBACKB0207 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE
BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS

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 II=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

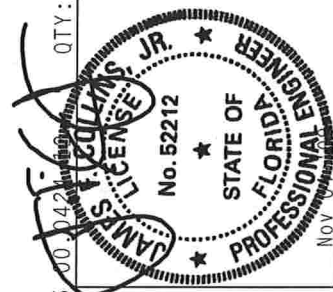
$$Cq/RT=1.00(1.25)/0(0)$$

7.

QTY: 1

$$\text{Scale} = 375''/\text{Ft}$$

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	



****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THUSSES MUST BE INSTALLED ACCORDING TO THE INSTRUCTIONS PROVIDED BY THE MANUFACTURER. THE FOLLOWING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE BRUSS PLATE INSTITUTE, 2100 NORTH LEE STREET, CHICAGO, ILL. 60614, AND PICA (HOOD TRUSS) COUNCIL OF AMERICA, 6300 UNIVERSITY LANE, HOUSTON, TX. 77057, ARE THE BASIS FOR THE SAFETY PRECAUTIONS FOR PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CING.

****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 SPECIFICATIONS WILL BE AT THE RISK OF THE CLIENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

THIS SPECIFICATION CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI.
CONNECTION PLATES ARE MADE OF 2018T16GA (A575/ASX) ASTM A663 GRADE 40/60 (N, 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 X3 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 COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER AMS/TP1 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

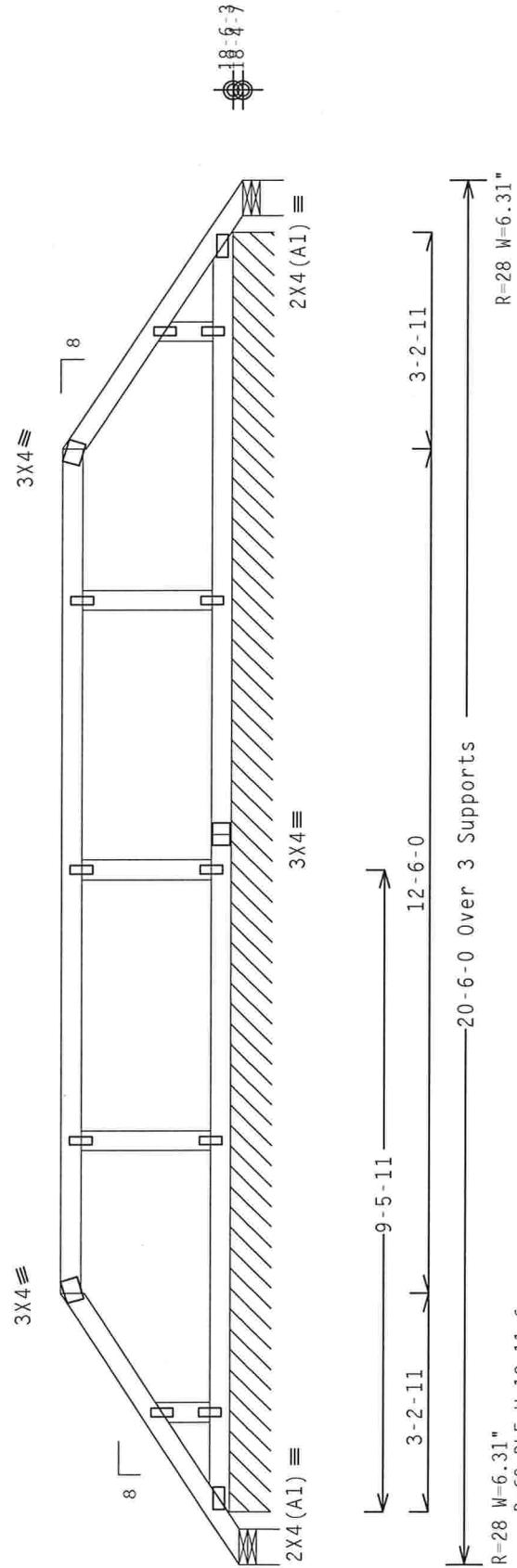
In lieu of structural panels or rigid ceiling use purlins to
brace all flat TC @ 24" OC, all BC @ 24" OC.

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

Refer to DWG 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 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 BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE NATIONAL TRUSS COUNCIL OF AMERICA, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND AISC 308 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 TPI1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI1. ITM BCG CONNECTOR PLATES ARE MADE OF 2018/166A (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 (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/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

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

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

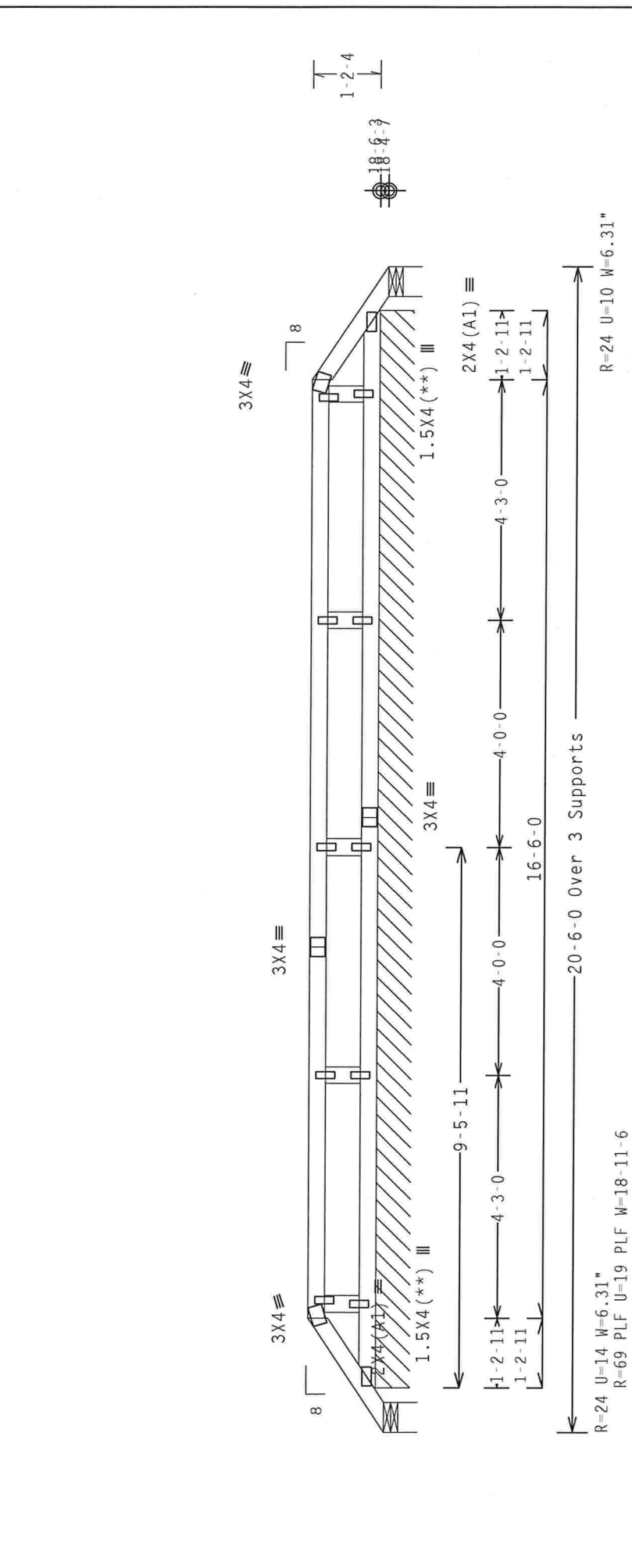
110 mph wind, 19.04 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. $I_w=1.00$ $G_{Cpi}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

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.

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



PLT TYP. Wave

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.

REF	R8228- 18264
DATE	11/04/08
DRW	HCUSR8228 08309029
HC-ENG	DF/DF
SEQN-	109255
FROM	AH
JREF-	1TMC8228Z05

Nov 04 2008

JAMES A. GILLMAN JR.
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ALPINE

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

1113 000 FALFALEU TRAP CONPUER INFUI (LUNUS & DIMENSIUNS) SUBMITIED BY IKUSS PERK.

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.

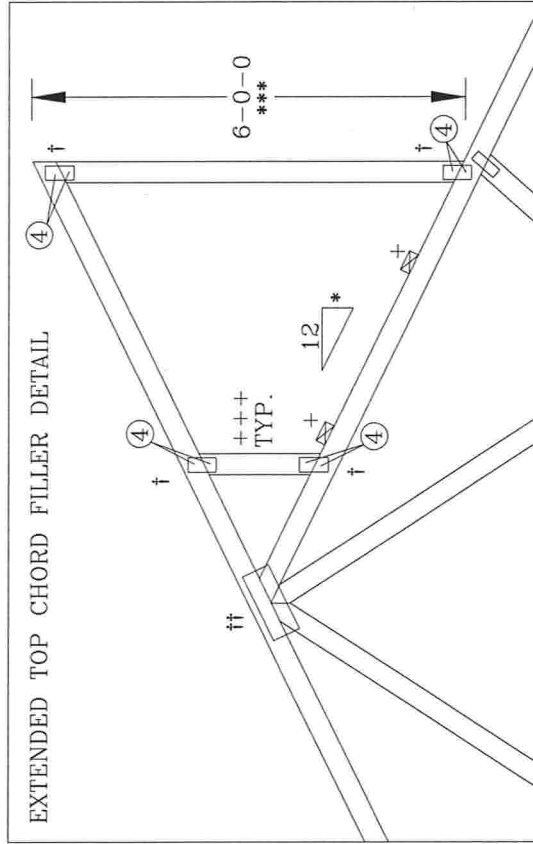
*** 6'0" MAXIMUM HEIGHT.

† W2X4 OR 3X6 TRULOX.

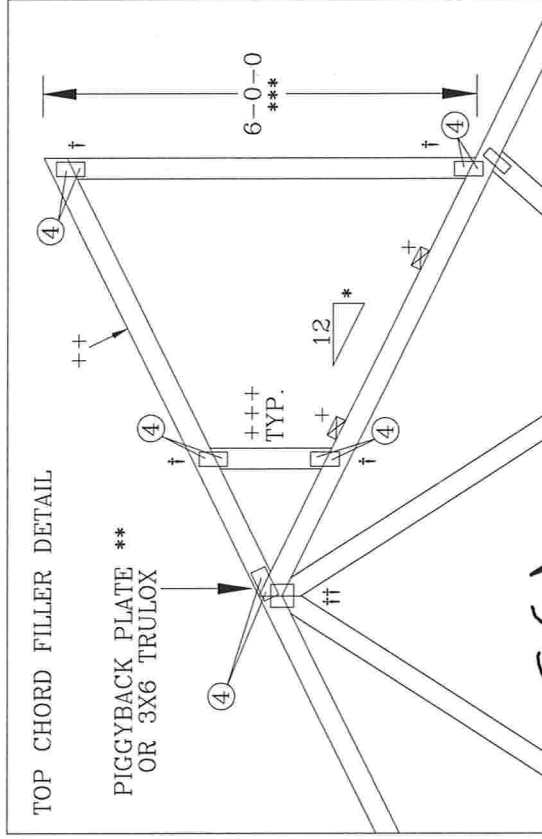
†† REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.

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

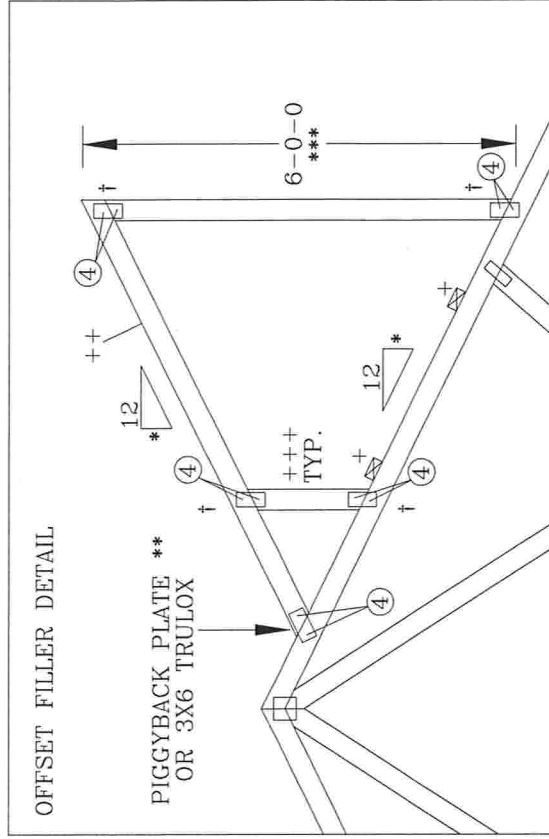
EXTENDED TOP CHORD FILLER DETAIL



TOP CHORD FILLER DETAIL



OFFSET FILLER DETAIL



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 VITCA (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. ITV, BCG CONNECTOR PLATES ARE MADE OF 2017B16GA (A/H/SS/K) ASTM A653 GRADE 40/60 (A/K/H/SS) LUMBER. BCG CONNECTOR PLATES ARE MADE OF 2017B16GA (A/H/SS/K) ASTM A653 GRADE 40/60 (A/K/H/SS) LUMBER. DESIGN, POSITIONING PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY SEALING 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.



ITV BUILDING COMPONENTS GROUP, INC.
POMPA BEACH, FLORIDA



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.

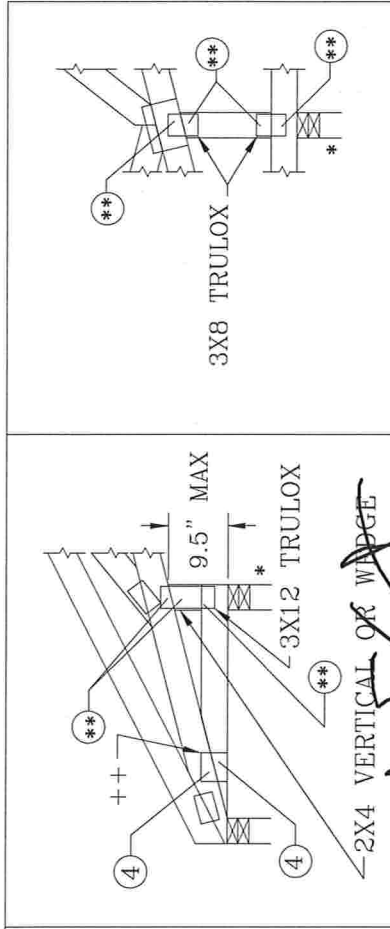
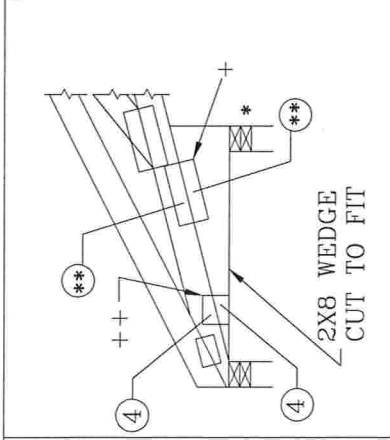
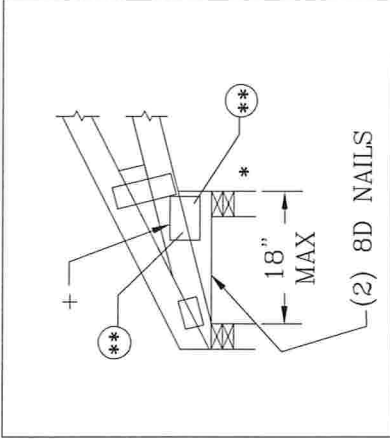
0.120" X 1.375", NAILS, REQUIRED FOR TRULOX PLATE ATTACHMENT. NAILS SPECIFIED IN CIRCLES MUST BE APPLIED TO EACH FACE OF THE TRUSS. SEE DWG. 160TL FOR NAILING AND TRULOX PLATE REQUIREMENTS

+ 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	



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 WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIVITIES. ALL TRUSSES SHALL BE PROPERLY ATTACHED TO THE STRUCTURE. ALL TRUSSES SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

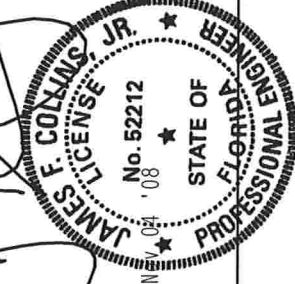
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISI (NATIONAL DESIGN SPEC. BY AIA&S) AND TPI. ALL BOTTOM CHORD PLATES TO BE 2X4 OR 2X6 (MINIMUM 1/2" THICK) WITH 1/4" (MINIMUM 1/4" THICK) GALV. STEEL. APPLY PLATES TO EACH FACE OF CHORD. ALL TRUSSES SHALL BE DESIGNED TO THE 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.

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"			

THIS DRAWING REPLACES DRAWINGS A115 A115/R & 884,132



ITW BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA



THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLCB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

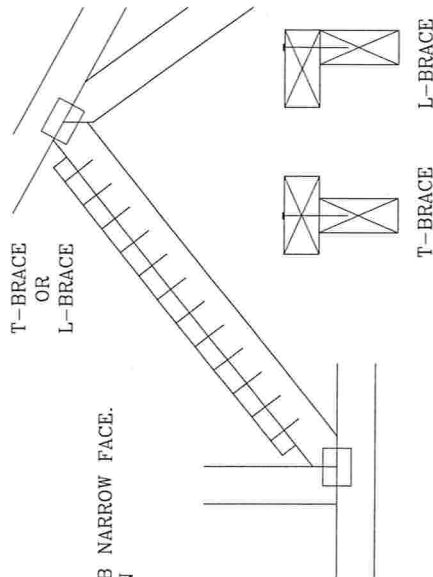
ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE.
FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE
BRACING.

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

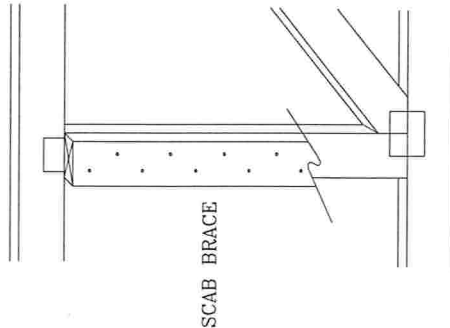
T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

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

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



APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN
(0.128" x 3 ".MIN) NAILS.
AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

WARNING	TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY THE TRUSSING INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA. 22314) AND WCA (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.	PSF	TC LL	REF	CLB SUBST.
IMPORTANT	FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV 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 CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AT&PA) AND TPI. ITV, BEG CONNECTOR PLATES ARE MADE OF 2019/16GA CW/H/SS/A3 ASTM A653 GRADE 40/60 (CW/H/SS) DESIGN POSITION PER DRAWINGS. IF EACH OF THESE UNLESS OTHERWISE LOCATED ON THIS 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.	PSF	TC DL	DATE	2/23/07
		PSF	BC DL	DRWG	BRLCBSUB0207
		PSF	BC LL	-ENG	MLH/KAR
		PSF	TOT. LD.		
		DUR. FAC.			
		SPACING			

PIGGYBACK DETAIL

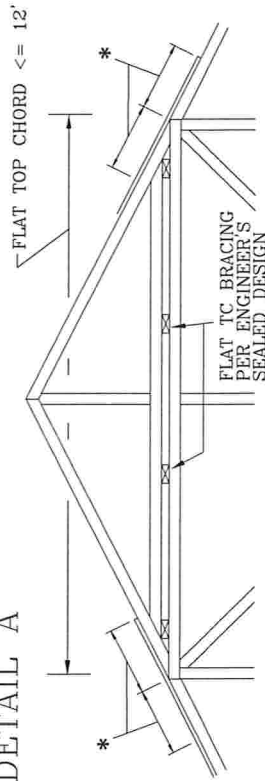
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02 OR ASCE 7-05, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

80 MPH WIND, 30.00 FT MEAN HGT, SBC,
ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF
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 ADEQUATLY BRACED BY SHEATHING OR PURLINS. PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

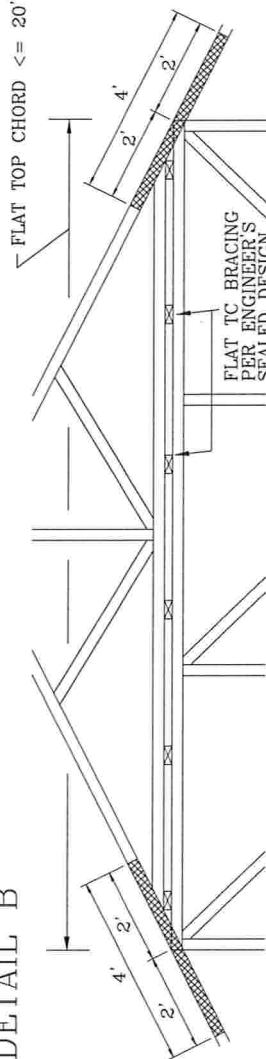
DETAIL A



PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS.

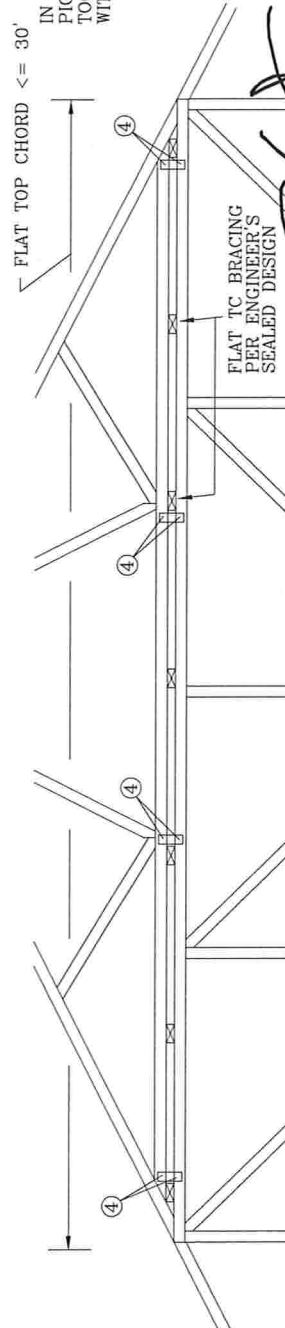
* 12" MIN RIGID SHEATHING OVERLAP WITH 8d COMMON (0.131" x2.5")
OR GUN NAILS IN OVERLAP ZONE SPACED AT 4" O.C.

DETAIL B



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

DETAIL C



CAP TRUSS TOENAILED TO TOP CHORD BRACING AND SECURED WITH 3X8 TRULOX PLATES (EACH FACE) AT EACH END AND AT 1/3 POINTS. CIRCLED NUMBER INDICATES REQUIRED NUMBER OF 0.120" X 1.375" NAILS PER FACE. SEE DRAWING 160TL FOR TRULOX INFORMATION.

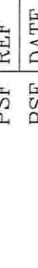
— FLAT TOP CHORD $\leq 30'$

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

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

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

THIS DRAWING REPLACES DRAWINGS 581.670 & 961.860



ALPINE
BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO 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 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. ITW, BCG CONNECTOR PLATES ARE MADE OF 2018/16GA 60K/SS/KO ASTM A653 GRADE 40/60 6W/K/H/SS GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) 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.



JAMES F. COLLINS, JR.
STATE OF FLORIDA
LICENSE NO. 52212
EXPIRATION DATE 01/04

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

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

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

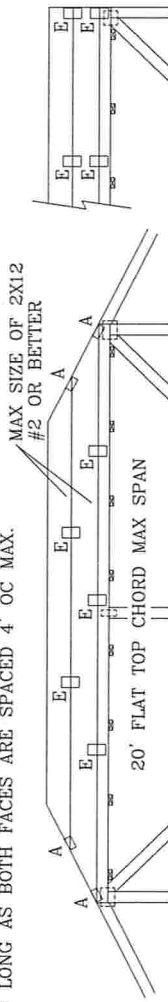
PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

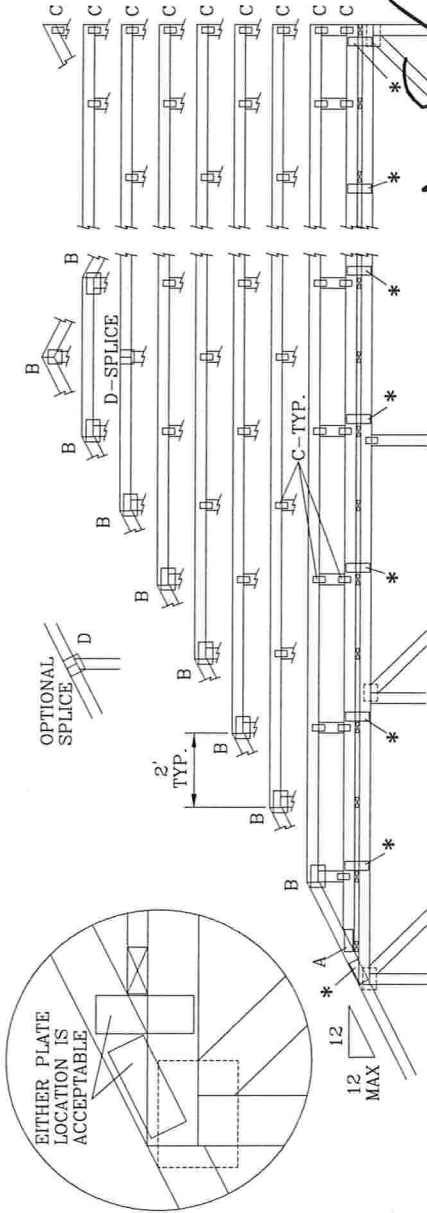
130 MPH WIND, 30' MEAN HGT, ASCE 7-98, ASCE 7-02 OR
ASCE 7-05, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II,
EXP C. WIND TC DL=5 PSF. WIND BC DL=5 PSF

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

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



EITHER PLATE
LOCATION IS
ACCEPTABLE



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

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

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

ALPINE

*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA. 22314; AND VITA CWOOD TRUSS COUNCIL OF AMERICA, 8300 ENTERPRISE LN, MADISON, WI 53719 FOR SHEET PRACTICES PRIOR TO PERFORMING THESE FIELD INSTALLATIONS. IF ANY PLATES OR CHORDS INDICATED, PLEASE FOLLOW THESE FIELD INSTALLATION PRACTICES. PANELS AND BOTTOM CHORD SHALL HAVE A DESIGN TO INSTALLATION CONTRACTOR. ITW 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&P) AND TPI (TWA). BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA W/H/SS/KO GRADE 40/60 W/H/H/SS GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (D) SHALL BE PER ANNEX 3 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.

*****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 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&P) AND TPI (TWA). BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA W/H/SS/KO GRADE 40/60 W/H/H/SS GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (D) SHALL BE PER ANNEX 3 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.

JAMES F. COLLINS, JR.
No. 52212
STATE OF FLORIDA
Professional Engineer

REF	PIGGYBACK	MAX LOADING	SPACING
DATE	2/23/07	55 PSF AT	24.0"
DRWG	PIGBACKB0207	1.33 DUR. FAC.	
	-ENG DLL/KAR	50 PSF AT	
		1.25 DUR. FAC.	
		47 PSF AT	
		1.15 DUR. FAC.	



ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA



RECOMMENDED REPAIR PROCEDURE

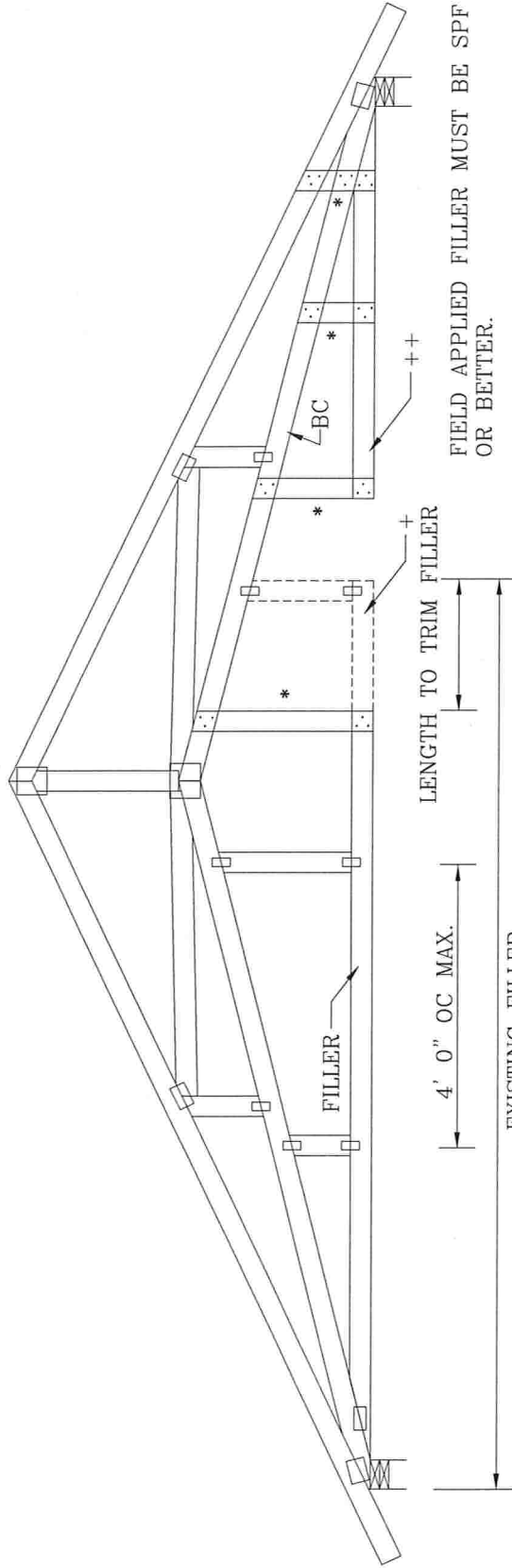
1. MEASURE DISTANCE FOR NEW LENGTH OF FILLER.
2. APPLY NEW 2X4 STUD GRADE OR BETTER VERTICAL SCAB TO BOTTOM CHORD AND FILLER WITH (3) NAILS 0.131" DIA. x 3.0" OR LARGER, (I.E. 10d OR 16d COMMON, SINKER, GUN, OR 16d BOX NAILS) TO EACH END OF VERTICAL.
3. CAREFULLY REMOVE EFFECTED CONNECTOR PLATES. USE CARE NOT TO DAMAGE THE REMAINING CONNECTOR PLATES OR LUMBER IN ANY WAY.
4. TRIM FILLER TO LENGTH, AT EDGE OF NEW VERTICAL SCAB.

+ 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
REFERENCING THIS DETAIL FOR ALLOWABLE
FILLER DIMENSIONS, PLACEMENT, AND WEAVING.



FIELD APPLIED FILLER MUST BE SPF #3
OR BETTER.

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 THE BEST BUILDING COMPONENT SAFETY INSTRUCTIONS, PUBLISHED BY THE CROSS PLATE SYSTEMS, 2510 N. 10TH AVE., DENVER, CO 80202, FOR THE PROPER TRUSS BRACING. THE TRUSS MANUFACTURER, 6500 UNIVERSITY BLVD., WASHINGTON, UT 82719, FOR SAFE PRACTICES PRIOR TO TRUSS INSTALLATION. THESE TRUSSES ARE DESIGNED TO BE USED WITH THE FOLLOWING CONDITIONS: TRUSS CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS, AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITV, BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THIS DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING, AND BRACING OF TRUSSES. DESIGN CONFORMS WITH ALL APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA®) AND TPI. DESIGN CONFORMS WITH ALL APPLICABLE PROVISIONS OF 20/18/16GA (V/H/SS/AC) ASTM A653 GRADE 40/46 (V/H/SS) GALV. STEEL. CONNECTOR PLATES ARE MADE OF 20/18/16GA (V/H/SS/AC) UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY CD SHALL BE PER DESIGNER. DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENT DESIGN. THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHALL BE THE DESIGNER AND NOT THE TRUSS MANUFACTURER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE BUILDING DESIGN, PER AISC/TPI 1 SEC. 2.



ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

A circular professional engineer seal for James F. Collins, Jr. The outer ring contains the text "JAMES F. COLLINS, JR." at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by stars. The inner circle contains the text "LICENSE NO. 52212" and "STATE OF FLORIDA", also separated by stars. The seal is stamped over the bottom portion of the resume, partially obscuring the "EDUCATION" and "EMPLOYMENT" sections.

2X4 GABLE VERTICAL PLATE		BRACE		NO BRACES		(1) 1X4 "L" BRACE		(2) 2X4 "L" BRACE		(1) 2X4 "L" BRACE		(2) 2X4 "L" BRACE		(1) 2X6 "L" BRACE		(2) 2X6 "L" BRACE		(1) 2X6 "L" BRACE		(2) 2X6 "L" BRACE	
SPACING	SPECIES	GRADE	#1 / #2	STUD	STANDARD	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"	3' 3"	3' 3"	5' 10"	6' 0"	6' 11"	7' 1"	8' 3"	8' 3"	8' 3"	8' 3"	10' 10"	11' 2"	12' 11"	13' 3"	10' 10"	11' 2"	12' 11"	13' 3"
	HF	STUD	3' 3"	3' 3"	3' 3"	4' 11"	4' 11"	6' 5"	6' 5"	8' 3"	8' 3"	8' 3"	8' 3"	10' 0"	10' 0"	12' 11"	12' 11"	10' 0"	10' 0"	12' 11"	12' 11"
	STANDARD	STUD	3' 3"	3' 3"	3' 3"	4' 2"	4' 2"	5' 6"	5' 6"	7' 5"	7' 5"	7' 5"	7' 5"	8' 8"	8' 8"	11' 8"	11' 8"	8' 8"	8' 8"	11' 8"	11' 8"
24" O.C.	SP	#1	3' 8"	3' 8"	3' 8"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 3"	8' 3"	8' 3"	10' 10"	11' 8"	12' 11"	13' 11"	10' 10"	11' 8"	12' 11"	13' 11"
	DFL	#2	3' 7"	3' 7"	3' 7"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 3"	8' 3"	8' 3"	10' 10"	11' 8"	12' 11"	13' 11"	10' 10"	11' 8"	12' 11"	13' 11"
	STUD	#3	3' 6"	3' 6"	3' 6"	5' 0"	5' 0"	6' 8"	6' 8"	8' 3"	8' 3"	8' 3"	8' 3"	10' 4"	10' 4"	12' 11"	13' 7"	10' 4"	10' 4"	12' 11"	13' 7"
16" O.C.	SPF	#1 / #2	3' 10"	3' 9"	3' 9"	6' 8"	6' 0"	6' 10"	7' 11"	8' 1"	8' 1"	8' 1"	8' 1"	12' 5"	12' 9"	14' 0"	14' 0"	12' 5"	12' 9"	14' 0"	14' 0"
	HF	STUD	3' 9"	3' 9"	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"	12' 4"	12' 4"	14' 0"	14' 0"
	STANDARD	STUD	3' 9"	3' 9"	3' 9"	5' 2"	5' 2"	6' 10"	6' 10"	8' 6"	8' 6"	8' 6"	8' 6"	10' 2"	10' 2"	13' 5"	14' 0"	10' 2"	10' 2"	13' 5"	14' 0"
12" O.C.	SP	#1	4' 3"	4' 3"	4' 3"	7' 2"	7' 2"	7' 11"	8' 6"	9' 5"	9' 5"	9' 5"	9' 5"	12' 5"	13' 5"	14' 0"	14' 0"	12' 5"	13' 5"	14' 0"	14' 0"
	DFL	#2	4' 2"	4' 2"	4' 2"	6' 8"	6' 2"	7' 11"	8' 2"	9' 5"	9' 5"	9' 5"	9' 5"	12' 5"	12' 8"	14' 0"	14' 0"	12' 5"	12' 8"	14' 0"	14' 0"
	STUD	#3	4' 0"	4' 0"	4' 0"	6' 2"	6' 2"	7' 11"	8' 2"	9' 5"	9' 5"	9' 5"	9' 5"	12' 5"	12' 6"	14' 0"	14' 0"	12' 5"	12' 6"	14' 0"	14' 0"
12" O.C.	SPF	#1 / #2	4' 3"	4' 3"	4' 3"	7' 4"	7' 4"	8' 9"	8' 9"	10' 5"	10' 5"	10' 5"	10' 5"	13' 8"	14' 0"	14' 0"	14' 0"	13' 8"	14' 0"	14' 0"	14' 0"
	HF	STUD	4' 2"	4' 2"	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"	13' 8"	13' 8"	14' 0"	14' 0"
	STANDARD	STUD	4' 2"	4' 2"	4' 2"	5' 11"	5' 11"	8' 9"	8' 9"	10' 5"	10' 5"	10' 5"	10' 5"	12' 3"	12' 3"	14' 0"	14' 0"	12' 3"	12' 3"	14' 0"	14' 0"
12" O.C.	SP	#1	4' 8"	4' 8"	4' 8"	7' 4"	7' 4"	8' 9"	8' 9"	10' 5"	10' 5"	10' 5"	10' 5"	13' 8"	14' 0"	14' 0"	14' 0"	13' 8"	14' 0"	14' 0"	14' 0"
	DFL	#2	4' 7"	4' 7"	4' 7"	7' 4"	7' 4"	8' 9"	8' 9"	10' 5"	10' 5"	10' 5"	10' 5"	13' 8"	14' 0"	14' 0"	14' 0"	13' 8"	14' 0"	14' 0"	14' 0"
	STUD	#3	4' 4"	4' 4"	4' 4"	7' 2"	7' 2"	8' 9"	8' 9"	10' 5"	10' 5"	10' 5"	10' 5"	13' 8"	14' 0"	14' 0"	14' 0"	13' 8"	14' 0"	14' 0"	14' 0"
12" O.C.	SPF	STUD	4' 4"	4' 4"	4' 4"	7' 1"	7' 1"	8' 9"	8' 9"	10' 5"	10' 5"	10' 5"	10' 5"	13' 8"	14' 0"	14' 0"	14' 0"	13' 8"	14' 0"	14' 0"	14' 0"
	DFL	STUD	4' 3"	4' 3"	4' 3"	6' 1"	6' 1"	8' 0"	8' 0"	10' 5"	10' 5"	10' 5"	10' 5"	12' 6"	12' 6"	14' 0"	14' 0"	12' 6"	12' 6"	14' 0"	14' 0"
	STANDARD	STUD	4' 3"	4' 3"	4' 3"	5' 3"	5' 3"	7' 7"	7' 7"	9' 5"	9' 5"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"	12' 4"	12' 4"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	HEM-FIR
#1 / #2 STANDARD	#2 STUD
#3 STANDARD	#3 STANDARD

DOUGLAS FIR-LARCH

#3 STUD	SOUTHERN PINE
STANDARD	#3 STUD
	STANDARD

GROUP B:

HEM-FIR	DOUGLAS FIR-LARCH
#1 & BTR	#1
	#2

SOUTHERN PINE

#1	#2

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.

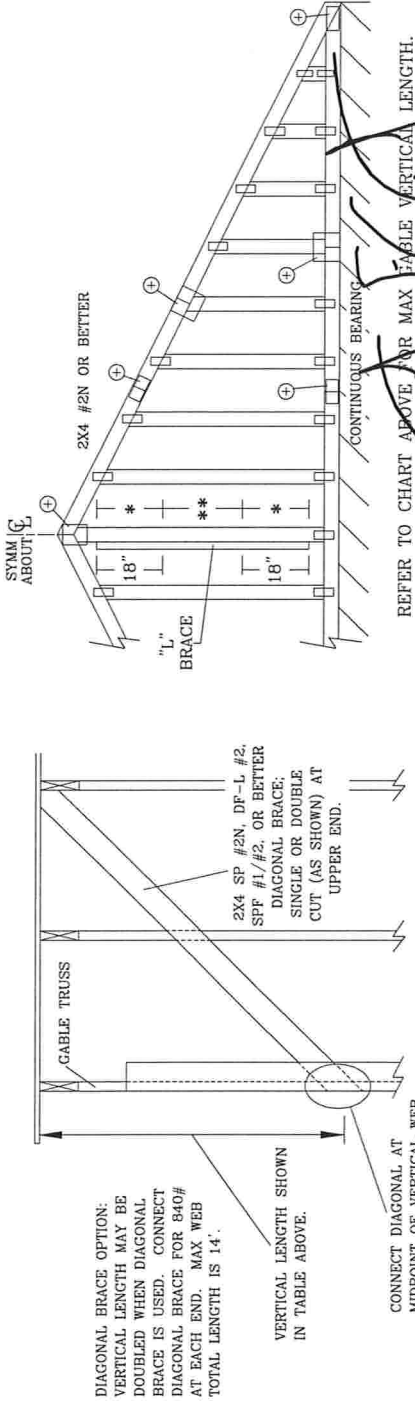
IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.



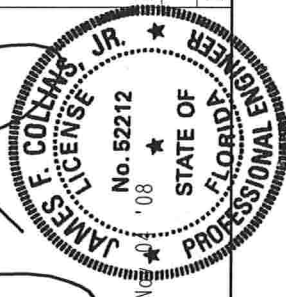
REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

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 WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, VT 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS. 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 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 AF&P) AND TPI. ITW, BEG CONNECTIONS ARE MADE TO 2018/16GA (W/SSX) ASTM A653 GRADE 40/48 (W/48SS) GALVALUME COATED STEEL. ITW, BEG CONNECTIONS ARE MADE TO 2018/16GA (W/SSX) ASTM A653 GRADE 40/48 (W/48SS) GALVALUME COATED STEEL. DESIGN POSITION PER DRAWING 1604-2. ANY INSPECTION OF PLATES FOR DEFECTS SHALL BE PERFORMED BY AN ENGINEER. 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 ANSII/TPI 1 SEC. 2.

REF ASCE7-02-CAB13015
DATE 2/23/07
DRWG A13015EE0207
-ENG

MAX. TOT. LD. 60 PSF
MAX. SPACING 24' 0"



ALPINE
ITW BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA

(**) 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"

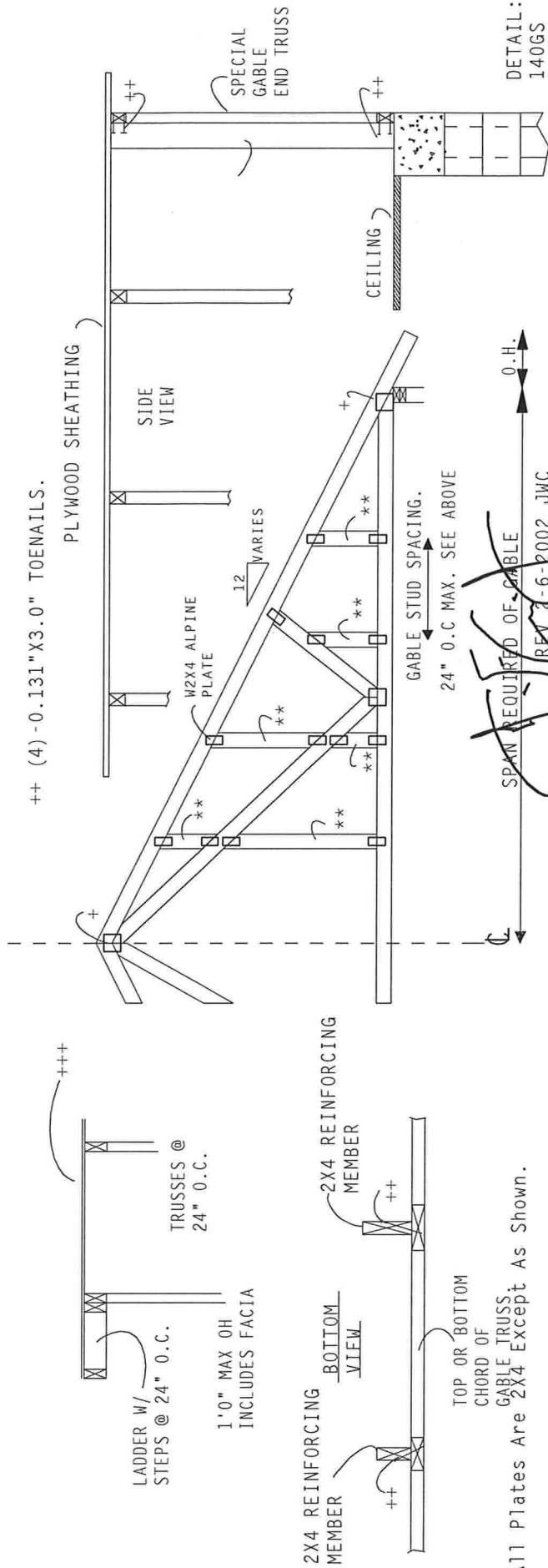
+++ 7/16 MINIMUM APA RATED SHEATHING PROPERLY ATTACHED WITH LONG DIMENSION PERPENDICULAR TO SUPPORTS.

R2: REVISED FOR ASCE 7-02

DLJ 09/30/2005

R3: REVISED DIAPHRAGM NOTE.

DLJ 02/27/2006



PLT TYP. Wave TPI-95

Design Criteria: TPI (STD)

REV 2-6-2002 JWC

QTY: 1

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.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

JAMES F. DOLLOWS, JR.
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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