

DATE 05/08/2007

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000025788

APPLICANT VIOLET STANAKER PHONE 454-1407
ADDRESS 20605 S HIGHWAY 441 HIGH SPRINGS FL 32643
OWNER DERREL & JEFFIFER MORKERSON PHONE 454-5715
ADDRESS 829 SW FEATHER LANE FT. WHITE FL 32038
CONTRACTOR DONNIE DAVIS PHONE 454-1407
LOCATION OF PROPERTY 47S, TL ON 27, TR ON CR 138, TL ON LYNN SHERMAN, TL
ON FEATHER LANE, 2ND HOUSE ON LEFT
TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 128600.00
HEATED FLOOR AREA 2572.00 TOTAL AREA 3806.00 HEIGHT STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 7/12 FLOOR SLAB
LAND USE & ZONING A-3 MAX. HEIGHT 21
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 25-7S-16-04321-024 SUBDIVISION RUM ISLAND RANCHES
LOT 36 BLOCK PHASE UNIT TOTAL ACRES

CBC1251897
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 07-349 BK JH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

REMOVE MH WITHIN 45 DAYS OF CO

Check # or Cash 1158

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
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 \$ 645.00 CERTIFICATION FEE \$ 19.03 SURCHARGE FEE \$ 19.03
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 758.06

INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

or Office Use Only Application # 0704-76 Date Received 4/21/07 By LT Permit # 25288
Application Approved by - Zoning Official BLK Date 03.05.07 Plans Examiner OK JTH Date 5-2-07
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
Comments Removing MH after house built 45 Days after CO existing well
☒ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

ame Authorized Person Signing Permit Donald Davis Phone 386-454-1407
Address 20605 W Hwy 441 High Springs FL 32643
Owners Name Derrel & Jennifer Morkerson Phone 386-454-5215
111 Address 829 SW Feather Ln, Ft White, FL 32038
Contractors Name Donald Davis Phone 386-454-1407
Address 20605 W Hwy 441 High Springs FL 32643
ee Simple Owner Name & Address Derrel & Jennifer Morkerson
Bonding Co. Name & Address _____
Architect/Engineer Name & Address _____
Mortgage Lenders Name & Address Sun-trust

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 25-75-16-01321-024 Estimated Cost of Construction 250,000.00
Subdivision Name Rom Island Ranches Lot 36 Block _____ Unit _____ Phase _____
Driving Directions 475 Hwy 27 W to County Rd 138 TR Turn Left on Lynn Sherman, Turn Left on Feather Lane, 2nd home on left

Type of Construction New Home Number of Existing Dwellings on Property 1 to be removed
Total Acreage 10 Lot Size 328'x1301' Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 286' Side 127' Side 127' Rear 939'
Total Building Height 21.25' Number of Stories 1 Heated Floor Area 2572 Roof Pitch 7/12
TOTAL 3806

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

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

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

Owner Builder or Authorized Person by Notarized Letter M626176193730
Contractor Signature [Signature]
Contractors License Number CBC1251897
Competency Card Number D120196641400
NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA
Sworn to (or affirmed) and subscribed before me
his 24 day of April 2007
Personally known _____ or Produced Identification Drivers License Notary Signature
ELIZABETH L. STRICKLAND
Notary Public, State of Florida
My comm. exp. Oct. 17, 2007
Comm. No. DD 239778



Columbia County Property Appraiser

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

PARCEL: 25-7S-16-04321-024 HX - MOBILE HOM (000200)

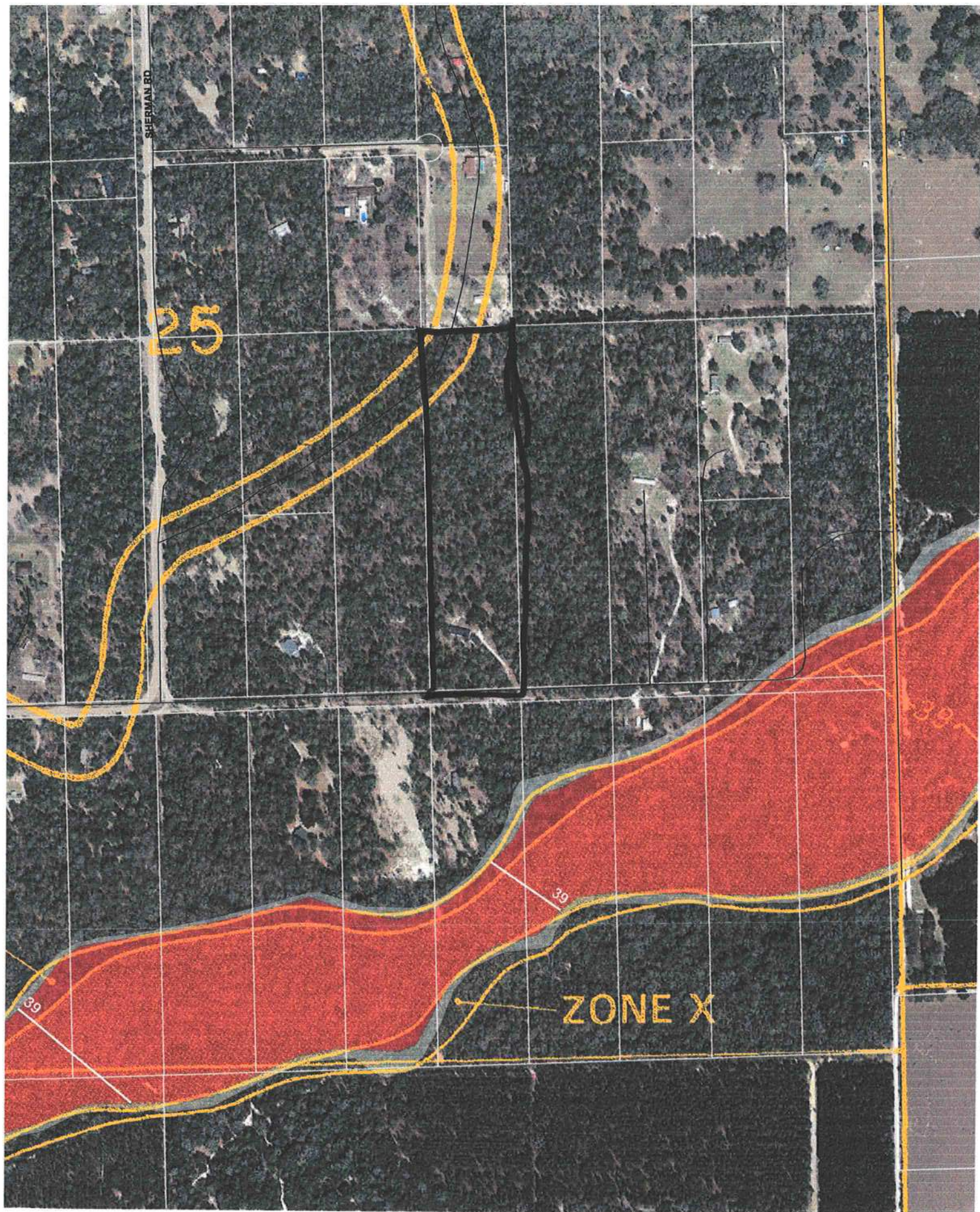
Name:	MURKERSON DERRELL RAY &	LandVal	\$77,000.00
Site:	FEATHER	BldgVal	\$54,971.00
	JENNIFER KRISTIE MURKERSON	ApprVal	\$131,971.00
Mail:	829 SW FEATHER LANE	JustVal	\$131,971.00
	FORT WHITE, FL 32038	Assd	\$131,971.00
Sales	12/30/2005 \$133,000.00 I / Q	Exmpt	\$25,000.00
Info	4/30/2001 \$88,000.00 I / Q	Taxable	\$106,971.00
	6/26/1998 \$26,900.00 V / Q		

0 0.09 0.18 0.27 mi



This information, GIS Map Updated: 4/11/2007, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

0704-64



0704-76

Prepared by:

Suwannee Title Services, Inc.
P.O. Drawer 889, 11 NE 4th Ave.
Chiefland, Florida 32644/32626

File Number: 11184

Record and Return to:
DERREL RAY MURKERSON

Attention Gale
From Donnie
H.S.C.C.
For Murkerson Permit. Thanks

General Warranty Deed

Made this December 30, 2005 A.D. by MICHAEL PAYTON ROSS and CINDY M. ROSS, whose address is: PO BOX 94, HIGH SPRINGS, FLORIDA 32643, hereinafter called the grantor, to DERREL RAY MURKERSON and JENNIFER KRISTIE MURKERSON, husband and wife, whose post office address is: , hereinafter called the grantee:

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

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, renises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

The East 1/2 of the East 1/2 of the Northwest 1/4 of the Southeast 1/4, LESS road rights of way and utility easements, Section 25, Township 7 South, Range 16 East, Columbia County, Florida.

TOGETHER WITH a non-exclusive easement for ingress and egress over and across the following lands: The South 25 feet of the North 1/2 of the South 1/2 and the North 25 feet of the South 1/2 of the South 1/2 of Section 25, Township 7 South, Range 16 East, Columbia County, Florida.

TOGETHER WITH a 1999 CHAP HS ID #GAFLW05A28079CH21 and #GAFLW05B28079CH21, which is permanently affixed to the lands above-described and, as such, is deemed to be a fixture and a part of the real estate.

Subject to easements and restrictions of record.

Parcel ID Number: R04321-024

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

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

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2004.

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

Signed, sealed and delivered in our presence:

Cyn DeLee Dalton
Witness 1 Signature
Witness 1 Printed Name Cyn DeLee Dalton

Amanda Garrett
Witness 2 Signature
Witness 2 Printed Name Amanda Garrett

State of Florida
County of Levy

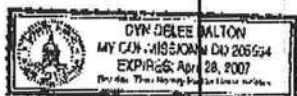
Michael Payton Ross (Seal)
MICHAEL PAYTON ROSS
Address: PO BOX 94, HIGH SPRINGS, FLORIDA 32643

Cindy M. Ross (Seal)
CINDY M. ROSS
Address: PO BOX 94, HIGH SPRINGS, FLORIDA 32643

The foregoing instrument was acknowledged before me this 30th day of December, 2005, by MICHAEL PAYTON ROSS and CINDY M. ROSS, who is/are personally known to me or who has/have produced 1/2 as identification and who did not take an oath.

Donnie
Notary Public
Print Name:

My Commission Expires: _____



UPED Individual Warranty Deed - Legal on Face
Client's Choice



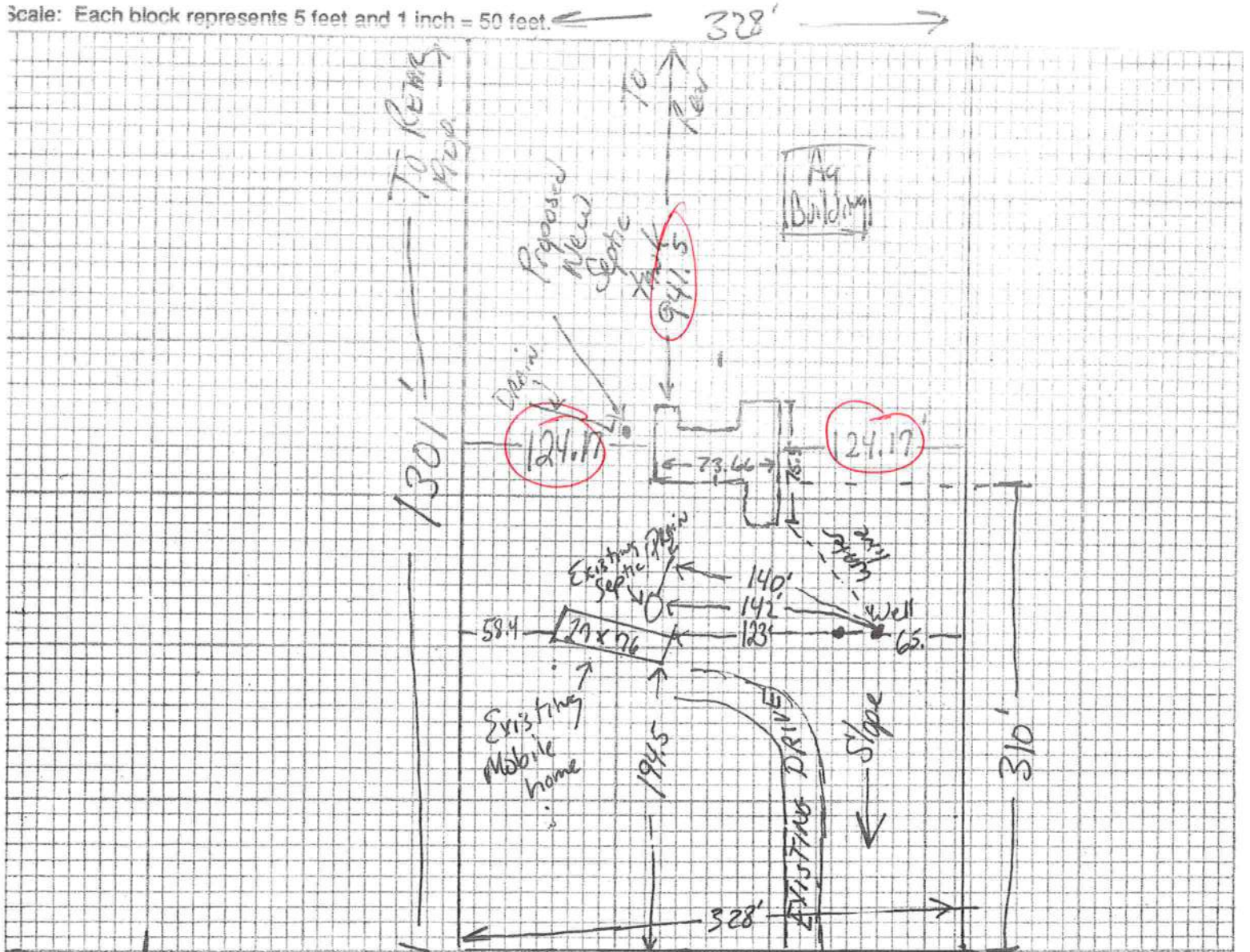
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number _____

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



lots. 100' $\square = 10$ feet
property 1301' x 328'

Site Plan submitted by: Donald Dene

Signature

Builder

Title

Plan Approved _____

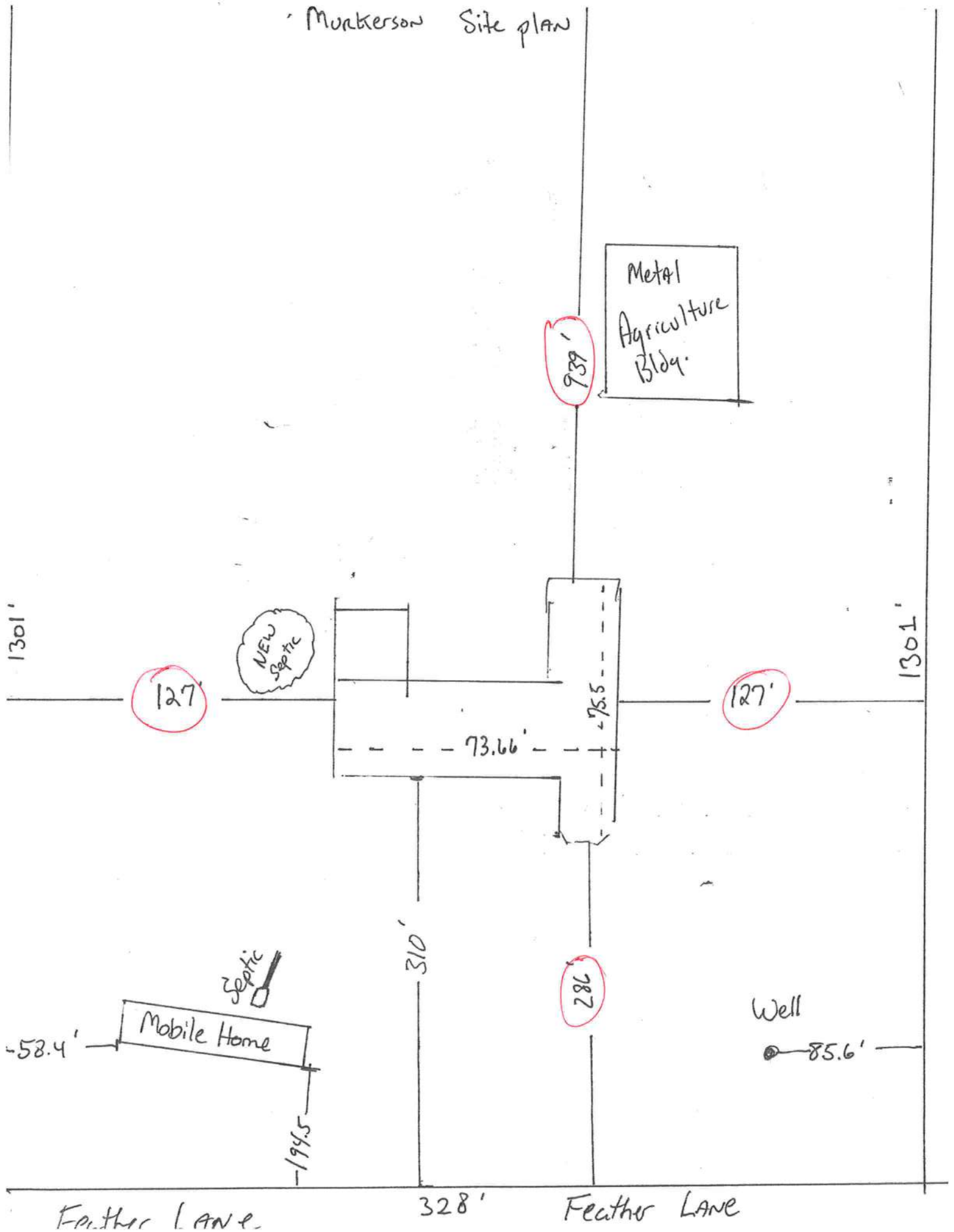
Not Approved _____

Date _____

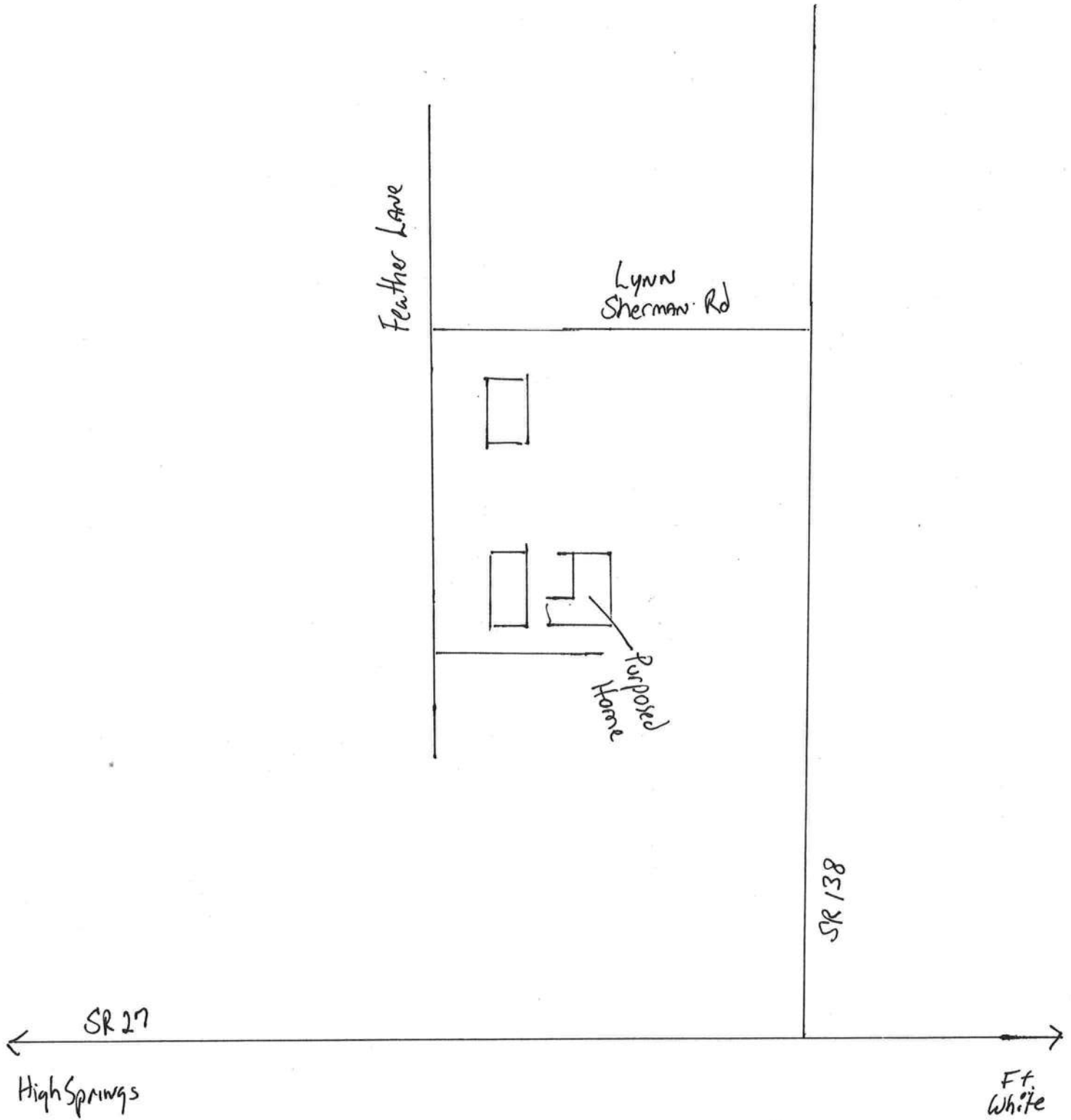
by _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Munkerson Site plan



Directions Murkerson Job





Lake City (386) 755-3611
Gainesville (352) 494-5751
Fax (386) 755-3885
Toll Free 1-800-616-4707

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code (FBC) 104.2.6)

Aspen Pest Control, Inc.
(386) 755-3611
State License # - JB109476
State Certification # - JF104376

(D. Murkeson) 20605 N. Hwy 441 High Springs, Fl. 32643
Address of Treatment or Lot/Block of Treatment

Bora-Care Wood Treatment – 23% Disodium Octaborate Tetrahydrate

Method of Termite Prevention Treatment – Soil Barrier, Wood Treatment, Bait System, Other

Application onto Structural Wood

Description of Treatment

The above named structure will receive a complete treatment for the prevention of subterranean termites at the dried-in stage of construction. Treatment is done in accordance with the rules and laws established by the Florida Department of Agriculture and Consumer Services and according to EPA registered label directions as stated in Florida Building Code Section 1861.1.8.

Ag. D. Smith
Authorized Signature

4/26/07
Date



Commercial • Residential
301 NW Cole Terrace / Lake City, Florida 32055



Page 1

TSEB VSA 985

MAY 02, 2007 03:07P

Attention JOE

From Downie

High Springs

Muckerson Job

Page 3

000 750 2100

APR 03, 2007 01:38P

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDATHIS DOCUMENT MUST BE RECORDED AT THE COUNTY
CLERKS OFFICE BEFORE YOUR FIRST INSPECTIONTHE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and
in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of
Commencement.IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE
RECORDING YOUR NOTICE OF COMMENCEMENT.Tax Parcel ID Number 25-75-16-04321-024HX Permit Number _____

1. Description of property: (legal description of the property and street address or 911 address)

E 1/2 of E 1/2 of NW 1/4 of SE 1/4 EX RD R/W. (AKA Lot 36 Rem Island Ranches
(HREC) ORB 329-209, 723-821, 727-150, 793-009, 861-791, 861-792,
872-2174, WD 1072-14662. General description of improvement: new home construction3. Owner Name & Address 829 SW Feather Ln, Ft White FL 32038

Interest in Property _____

4. Name & Address of Fee Simple Owner (if other than owner): Dee-Dee + Jennifer Muckerson5. Contractor Name Donald DavisPhone Number 386-623-0499Address 20605 N Hwy 441 High Springs FL 326436. Surety Holders Name Suntrust

Phone Number _____

Address _____

Amount of Bond _____

Inst: 2007009510 Date: 04/27/2007 Time: 11:18

7. Lender Name Suntrust

DC, P. Dewitt Cason, Columbia County B: 1117 P: 1935

Address _____

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be
served as provided by section 718.13 (1)(a) 7: Florida Statutes:

Name _____

Phone Number _____

Address _____

9. In addition to himself/herself the owner designates _____

_____ to receive a copy of the Lien Notice as provided in Section 713.13 (1) -

a) 7. Phone Number of the designee _____

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of
recording. (Unless a different date is specified) _____THE OWNER MUST SIGN THE NOTICE OF COMMENCEMENT AND NO ONE ELSE MAY BE PERMITTED TO SIGN
IN HIS/HER STEAD.

Signature of Owner

162676593730

Sworn to (or affirmed) and subscribed before day of 25th April, 2007.

Signature of Notary

NOTARY STAMP/SEAL

ELIZABETH L. STRICKLAND
Notary Public, State of Florida
My Comm. exp. Oct. 17, 2007
Comm. No. DD 239776

APR 03 2007 01:40PM P3

FROM: COLUMBIA CO BUILDING & ZONING FAX NO.: 386-758-2160

P. 1

386-454-8351

FORM 600A-2004

EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	701162HighSpringsConstruction	Builder:	Donnie Davis
Address:	829 SW Feather Lane	Permitting Office:	Columbia
City, State:	Fort White, FL 32038-	Permit Number:	25788
Owner:	Murkerson Residence	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 51.0 kBtu/hr SEER: 13.00
3. Number of units, if multi-family	1	b. N/A	
4. Number of Bedrooms	3	c. N/A	
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	2572.3 ft²	13. Heating systems	
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 51.0 kBtu/hr HSPF: 7.90
a. U-factor:	Description Area	b. N/A	
(or Single or Double DEFAULT) 7a. (Dble Default) 299.3 ft²		c. N/A	
b. SHGC:		14. Hot water systems	
(or Clear or Tint DEFAULT) 7b. (Clear) 299.3 ft²		a. Electric Resistance	Cap: 40.0 gallons EF: 0.93
8. Floor types		b. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 295.0(p) ft	c. Conservation credits	
b. N/A		(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
9. Wall types		HF-Whole house fan,	
a. Frame, Wood, Exterior	R=13.0, 1993.7 ft²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 2652.3 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Uno. Ret: Uno. AH: Interior	Sup. R=6.0, 193.0 ft		
b. N/A			

Glass/Floor Area: 0.12 Total as-built points: 29158
Total base points: 34763

PASS

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

PREPARED BY: 63

DATE: 4-25-07

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.2

The higher the score, the more efficient the home.

Murkerson Residence, 829 SW Feather Lane, Fort White, FL, 32038-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 51.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	2572.3 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 51.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 299.3 ft ²		HSPF: 7.90
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 299.3 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 295.0(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.93
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1993.7 ft ²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		EF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2632.3 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Uno. Rat: Uno. AH: Interior	Sup. R=6.0, 193.0 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 nottal glass type and areas, see Summer & Winter Glass output on pages 2&4, EnergyGauge[®] (Version: FLR2PB v4.1)

FORM 600A-2004

EnergyGauge® 4.1

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: 829 SW Feather Lane, Fort White, FL, 32038-

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Multiplier X Ratio	Credit = Total Multiplier
3		2635.00	7905.0	40.0	0.93	3		1.00 2606.67	1.00 7820.0
				As-Built Total:				7820.0	

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
14004	12855	7905	34763	8852	12486	7820	29158

PASS



FORM 600A-2004

EnergyGauge® 4.1

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 829 SW Feather Lane, Fort White, FL, 32038-

PERMIT #:

BASE			AS-BUILT				
INFILTRATION Area X BWPM = Points			Area X WPM = Points				
2572.3	-0.59	-1517.7	2572.3	-0.59	-1517.7		
Winter Base Points:		20488.5	Winter As-Built Points:		24889.0		
Total Winter X Points	System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier = Heating Points
20488.5	0.6274	12854.5	(sys 1: Electric Heat Pump 51000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Int(AH),R6.0 24889.0 1.000 (1.089 x 1.169 x 0.93) 0.432 1.000 12485.6 24889.0 1.00 1.162 0.432 1.000 12485.6				

FORM 600A-2004

EnergyGauge® 4.1

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 829 SW Feather Lane, Fort White, FL, 32036-

PERMIT #:

BASE				AS-BUILT									
GLASS TYPES													
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Omt Len Hgt		Area X WPM X WOF = Point						
.18	2572.3	12.74	6888.8	Double, Clear	S	19.0	7.0	30.0	13.30	3.88	1457.9		
				Double, Clear	E	98.0	5.0	9.0	18.79	1.51	254.9		
				Double, Clear	S	8.0	5.0	9.0	13.30	3.35	401.0		
				Double, Clear	W	1.5	8.0	36.0	20.73	1.01	754.5		
				Double, Clear	NW	1.5	8.0	16.0	24.30	1.00	390.0		
				Double, Clear	N	1.5	8.0	16.0	24.58	1.00	394.2		
				Double, Clear	NE	1.5	8.0	16.0	23.57	1.01	379.6		
				Double, Clear	N	1.5	8.0	90.0	24.58	1.00	2213.9		
				Double, Clear	N	4.5	8.7	13.3	24.58	1.01	330.1		
				Double, Clear	E	1.5	8.0	54.0	18.79	1.02	1035.0		
				Double, Clear	E	1.5	4.0	10.0	18.79	1.07	201.8		
				As-Built Total:							288.3	7812.8	
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1993.7	3.40		6778.6			
Exterior	1993.7	3.70	7376.7										
Base Total:				1993.7		7376.7		As-Built Total:				1993.7	6778.6
DOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points						
Adjacent	20.0	8.00	160.0	Exterior Insulated			80.0	8.40		504.0			
Exterior	80.0	8.40	872.0	Adjacent Insulated			20.0	8.00		160.0			
				Exterior Insulated			20.0	8.40		168.0			
Base Total:				100.0		832.0		As-Built Total:				100.0	832.0
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points						
Under Attic	2572.3	2.05	5273.2	Under Attic	30.0		2572.3	2.05 X 1.00		5437.2			
Base Total:				2572.3		5273.2		As-Built Total:				2572.3	5437.2
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points						
Slab	295.0(p)	8.8	2525.5	Slab-On-Grade Edge Insulation	0.0		295.0(p)	18.80		5546.0			
Raised	0.0	0.00	0.0										
Base Total:				295.0		6846.0		As-Built Total:				295.0	6846.0

FORM 600A-2004

EnergyGauge® 4.1

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

ADDRESS: 829 SW Feather Lane, Fort White, FL, 32038-

PERMIT #:

BASE			AS-BUILT		
INFILTRATION Area X BSPM = Points			Area X SPM = Points		
2572.3	10.21	26263.2	2572.3	10.21	26263.2
Summer Base Points: 32826.4			Summer As-Built Points: 29636.4		
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x D9M x AHU)	X Duct Multiplier X System Multiplier X Credit Multiplier = Cooling Points
32826.4	0.4266	14003.7	29636	1.00 (1.09 x 1.147 x 0.91)	0.263 1.000 8852.2
			29636.4	1.00	1.138 0.263 1.000 8852.2

FORM 600A-2004

EnergyGauge® 4.1

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

ADDRESS: 829 SW Feather Lane, Fort White, FL, 32038-

PERMIT #:

BASE				AS-BUILT								
GLASS TYPES												
.18 X Conditioned X BSPM = Points												
Floor Area				Type/SC	Overhang		Area X SPM X SOF = Points					
					Ornt	Len	Hgt					
.18	2672.3	20.04	5278.8	Double, Clear	S	19.0	7.0	30.0	35.87	0.43	465.6	
				Double, Clear	E	99.0	5.0	9.0	42.06	0.36	135.1	
				Double, Clear	S	8.0	5.0	9.0	35.87	0.47	150.6	
				Double, Clear	W	1.5	8.0	36.0	36.52	0.96	1328.7	
				Double, Clear	NW	1.5	8.0	16.0	25.97	0.93	384.6	
				Double, Clear	N	1.5	8.0	16.0	19.20	0.94	288.4	
				Double, Clear	NE	1.5	8.0	16.0	29.56	0.92	435.3	
				Double, Clear	N	1.5	8.0	90.0	19.20	0.97	1671.4	
				Double, Clear	N	4.5	8.7	13.3	19.20	0.82	210.6	
				Double, Clear	E	1.5	8.0	54.0	42.06	0.96	2175.0	
				Double, Clear	E	1.5	4.0	10.0	42.06	0.82	343.1	
				As-Built Total:							289.3	7688.2
WALL TYPES												
Area X BSPM = Points				Type	R-Value		Area X SPM = Points					
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1993.7	1.50		2990.5		
Exterior	1993.7	1.70	3389.3									
Base Total:				As-Built Total:							1993.7	2990.5
DOOR TYPES												
Area X BSPM = Points				Type	Area X SPM = Points							
Adjacent	20.0	1.60	32.0	Exterior Insulated	60.0 4.10 246.0							
Exterior	80.0	4.10	328.0	Adjacent Insulated	20.0 1.60 32.0							
				Exterior Insulated	20.0 4.10 82.0							
Base Total:				As-Built Total:							100.0	360.0
CEILING TYPES												
Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points					
Under Attic	2672.3	1.73	4450.1	Under Attic	30.0		2652.3	1.73 X 1.00		4588.5		
Base Total:				As-Built Total:							2652.3	4588.5
FLOOR TYPES												
Area X BSPM = Points				Type	R-Value		Area X SPM = Points					
Slab	295.0(p)	-37.0	-10915.0	Slab-On-Grade Edge Insulation	0.0		295.0(p)	-41.20		-12154.0		
Raised	0.0	0.00	0.0									
Base Total:				As-Built Total:							295.0	-12154.0



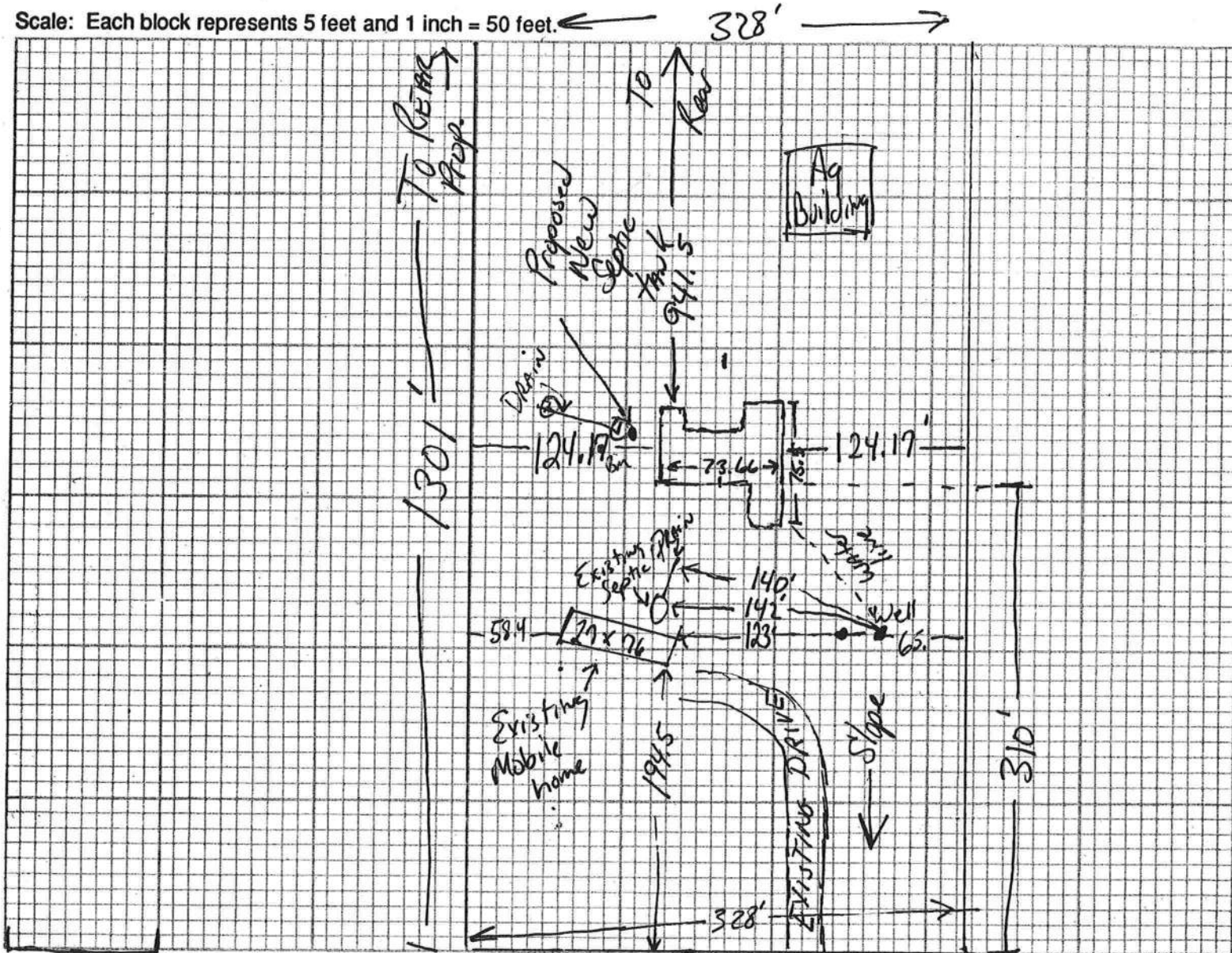
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-349

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: 100' $\square = 10$ feet
property 1301' x 328'

SITE 1 $\Rightarrow$ GLEN PT

Site Plan submitted by:

Donald Dews

Plan Approved ☒

APPROVED

Signature
Not Approved

By

[Signature]

Builder

Title
Date 5/8/7

Columbia CHD

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

To Columbia County Building & Zoning Department

Plans Examiner Joe Haltiwanger

Subject Solar Hot water heater On Madison Addition

Building permit # 25778

Mr Haltiwanger Please find truss load data and a general discription of the solar water heater that i would like to install on our new addition. The truss data was supplied to me by the company (Universal Forest Products) that did the originall engineering on my trusses. The solar unit will sit high on the roof just above the hot water heater. I hope i have included enough infomation. Please call me anytime during the business hour @ 904 384 1900 if you need me to get you any other info.

Thank you

A handwritten signature in blue ink that reads "Randy Madine". The signature is fluid and cursive, with the first name "Randy" and last name "Madine" clearly distinguishable.

Universal Forest Products

7563 phillips Hwy

Jacksonville, Fl 32257

904 332 9388

Fax 332 9806

Thermal Conversion Technology

101 Copeland St

Jacksonville Fl 32204

904 358 3720

Fax 358 3728

To Columbia County Building & Zoning Department

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Thank you

Universal Forest Products
7563 phillips Hwy
Jacksonville, Fl 32257
904 332 9388
Fax 332 9806

Thermal Conversion Technology
101 Copeland St
Jacksonville Fl 32204
904 358 3720
Fax 358 3728

Job 57010203	Truss T02	Truss Type SCISSORS	Qty 8	Ply 1	CUF Ed Smith / Madison res.
Universal Forest Products, Inc., Burlington, NC 27215, Michael Amerson			Job Reference (optional) 6.500 s Feb 5 2007 Mitek Industries, Inc. Tue Jun 12 14:36:19 2007 Page 1		

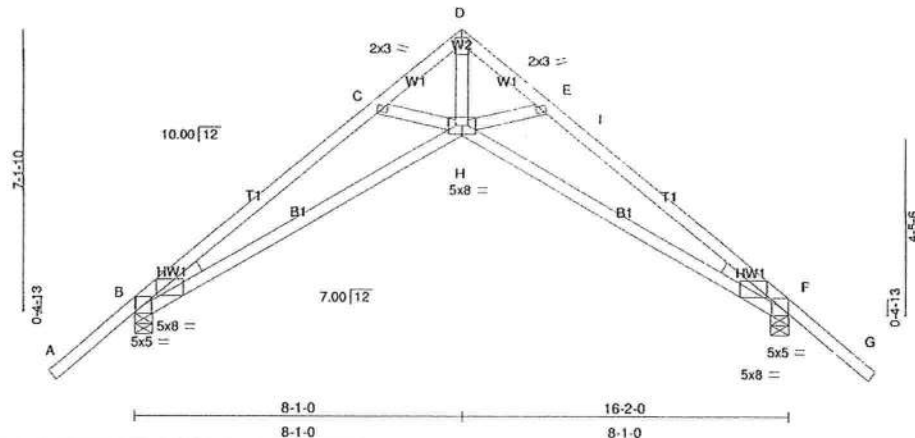
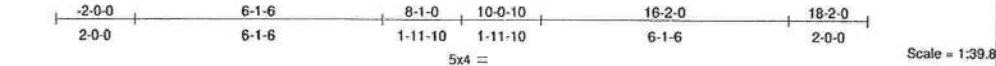


Plate Offsets (X,Y): [B:0-0-4,Edge], [B:0-0-4,Edge], [D:0-2-0,0-2-0], [E:0-0-0,0-0-0], [F:0-6-9,Edge], [F:0-0-4,Edge]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	PLATES GRIP
TCLL 20.0	Plates Increase 1.25		TC 0.86	in (loc) l/defl L/d	MT20 244/190
TCDL 7.0	Lumber Increase 1.25		BC 0.83	Vert(LL) -0.31 B-H >604 240	
BCLL 10.0	Rep Stress Incr NO		WB 0.65	Vert(TL) -0.51 B-H >373 180	
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)	Horz(TL) 0.67 F n/a n/a	
Weight: 82 lb					

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 "Except"
W2 2 X 4 SYP No.2
WEDGE
Left: 2 X 4 SYP No.2, Right: 2 X 4 SYP No.2

REACTIONS (lb/size) B=1251/0-5-8, F=1292/0-5-8
Max Horz B=248(LC 4)
Max Uplift B=516(LC 5), F=532(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/70, B-C=3761/1055, C-D=3519/916, D-E=3532/928, E-F=3659/1039, F-G=3906/1051, F-G=0/70
BOT CHORD B-H=821/3212, F-H=768/3331
WEBS C-H=81/264, D-H=857/3539, E-H=186/331

NOTES (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=25ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Bearing at joint(s) B, F considers parallel to grain value using ANS/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 516 lb uplift at joint B and 532 lb uplift at joint F.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 866 lb down and 327 lb up at 8-1-0, and 106 lb down and 40 lb up at 11-1-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
8) Truss shall be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. Provide bracing where indicated and within 4" of interior joints. Bracing indicated is to reduce buckling of individual members only and does not replace erection and permanent bracing. Engineer's certification valid only when truss is fabricated by a UFPI operated plant. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. The truss designer accepts no responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Any references to job names and locations are for administrative purposes only and are not part of the review or certification of the truss designer.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: A-D=54, D-G=54, B-H=30, F-H=30
Concentrated Loads (lb)
Vert: D=866 l=106

John M. Prestley
5631 S. NC 62
Burlington NC 27215
Lic. No. 55886

6/12/07

Job 57010203	Truss T02	Truss Type SCISSORS	Qty 8	Plr 1	CUF Ed Smith / Madison res. Job Reference (optional)
Universal Forest Products, Inc., Burlington, NC 27215, Michael Amerson			6 500 5 Feb 5 2007 Mitek Industries, Inc. Tue Jun 12 14:36:19 2007 Page 1		

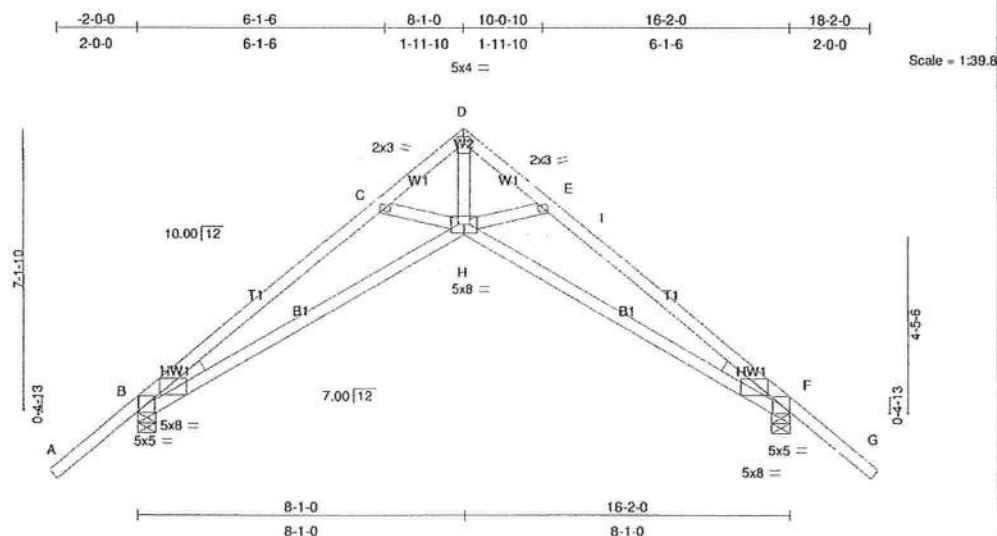


Plate Offsets (X,Y): [B:0-6.9,Edge], [B:0-0.4,Edge], [D:0-2.0,2-0], [E:0-0.0,0-0], [F:0-6.9,Edge], [F:0-0.4,Edge]									
LOADING (psf)		SPACING 2-0-0		CSI		DEFL		PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.86	in (loc)	V/defl	L/d	
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Ver(TL)	-0.51	B-H	>604 240
BCLL	10.0	Rep Stress Incr	NO	WB	0.65	Ver(TL)	-0.31	B-H	>373 180
BCDL	5.0	Code FBC2004/TP12002		(Matrix)		Horz(TL)	0.67	F	n/a n/a
								Weight: 82 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W2 2 X 4 SYP No.2

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Left: 2 X 4 SYP No.2, Right: 2 X 4 SYP No.2

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 WEBS C-H=-81/264, D-H=-857/3539, E-H=-186/331

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- 8) Truss shall be fabricated per ANSIP1 quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. Provide bracing where indicated and with a 4' or 6' minimum length. Bracing indicated is to reduce buckling of individual members only and does not replace erection and permanent bracing. Engineer's certification valid only when truss is fabricated in plant. Building designer shall provide all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. The truss designer accepts no responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Any references to job names and locations are for administrative purposes only and are not part of the review or certification of the truss designer.

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John M. Prestley
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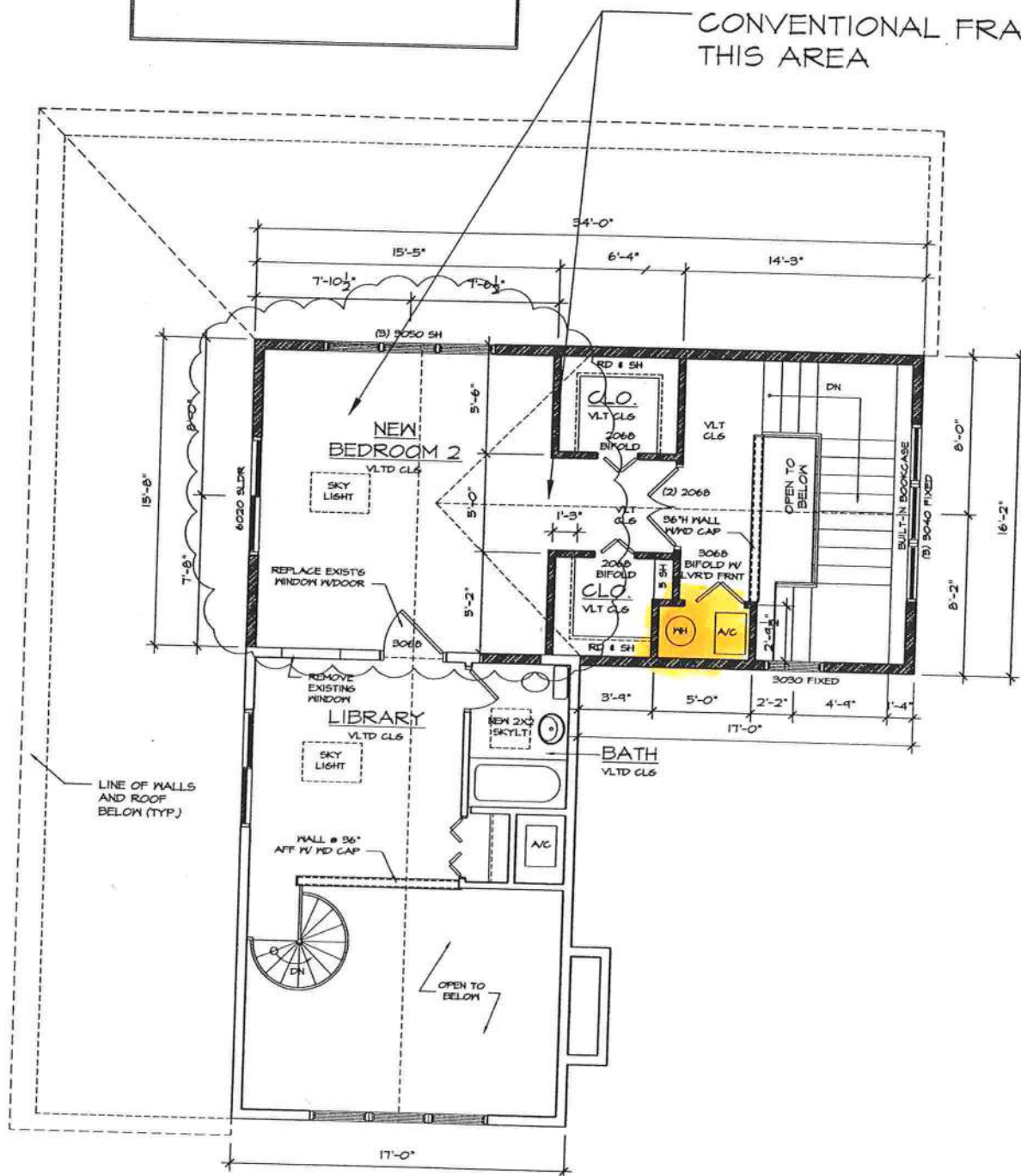
Line Legend

LINE OF WALL REMOVED

NEW WALLS

REVISÉD AREAS

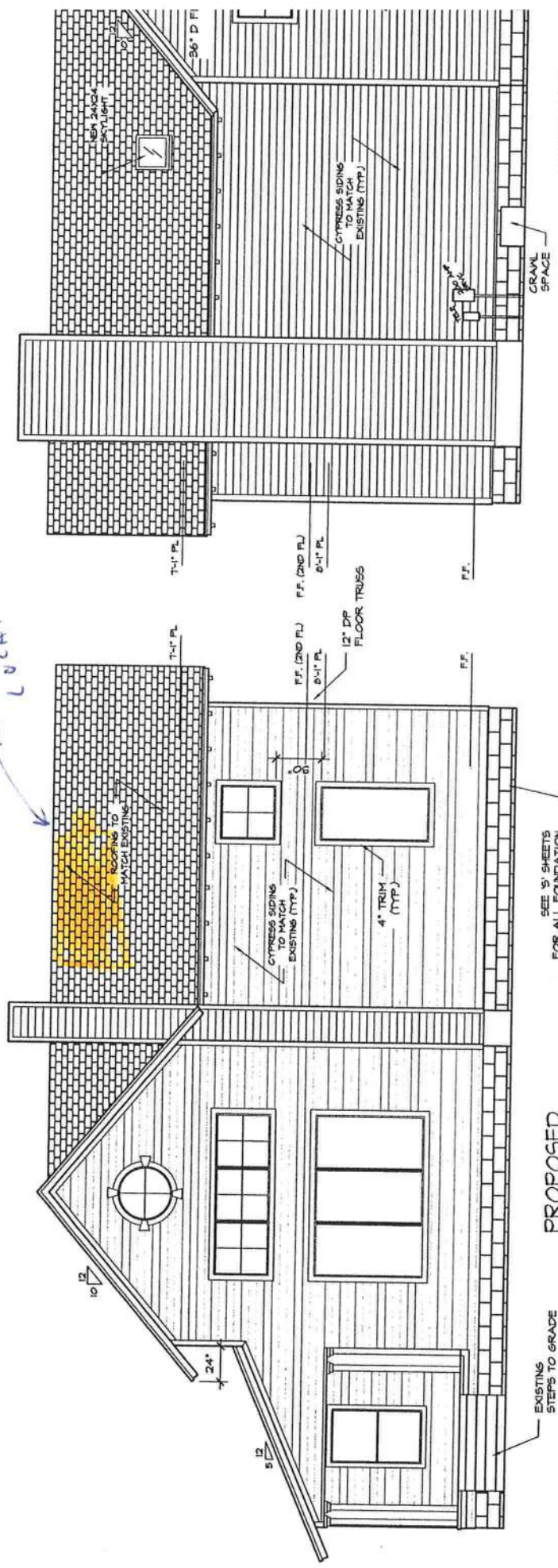
CONVENTIONAL FRAME
THIS AREA



PROPOSED
SECOND FLOOR PLAN

SCALE: 1/4" = 1'-0"

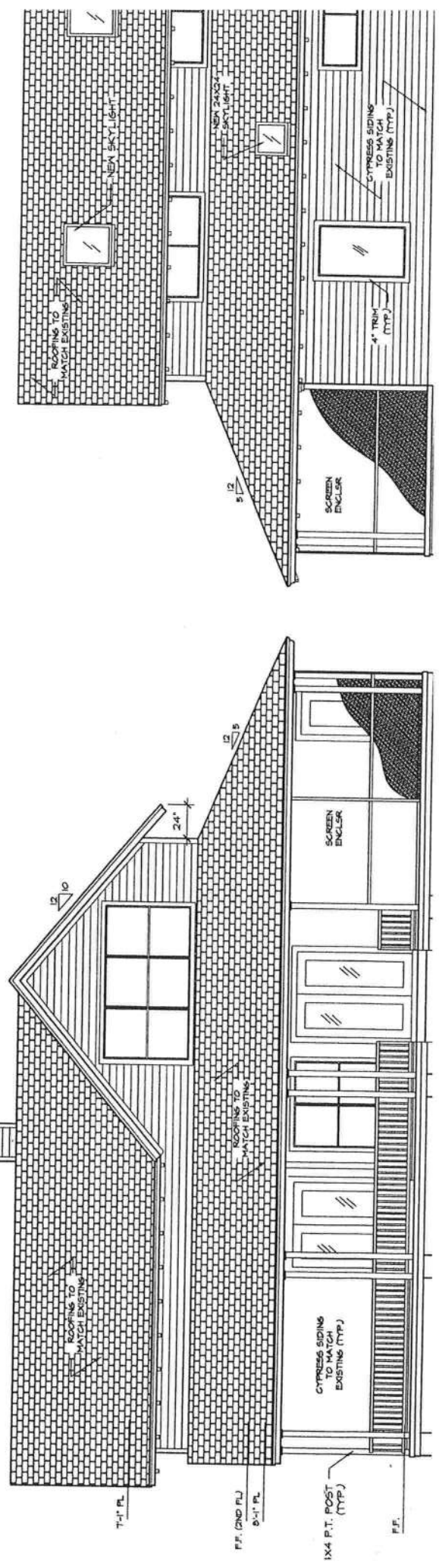
APPROX LOCATION



PROPOSED
FRONT ELEVATION
SCALE: 1/4" = 1'-0"

SEE 'S' SHEETS
FOR ALL FOUNDATION
DETAILS

PROPOSED
RIGHT ELEVATION
SCALE: 1/4" = 1'-0"



ProgressivTube®

PASSIVE SOLAR WATER HEATERS



Manufacturer of Solar Thermal Equipment

101 Copeland St.
Jacksonville, FL
32204 U.S.A.

Telephone:
(904)358-3720

FAX Line:
(904)358-3728

Member



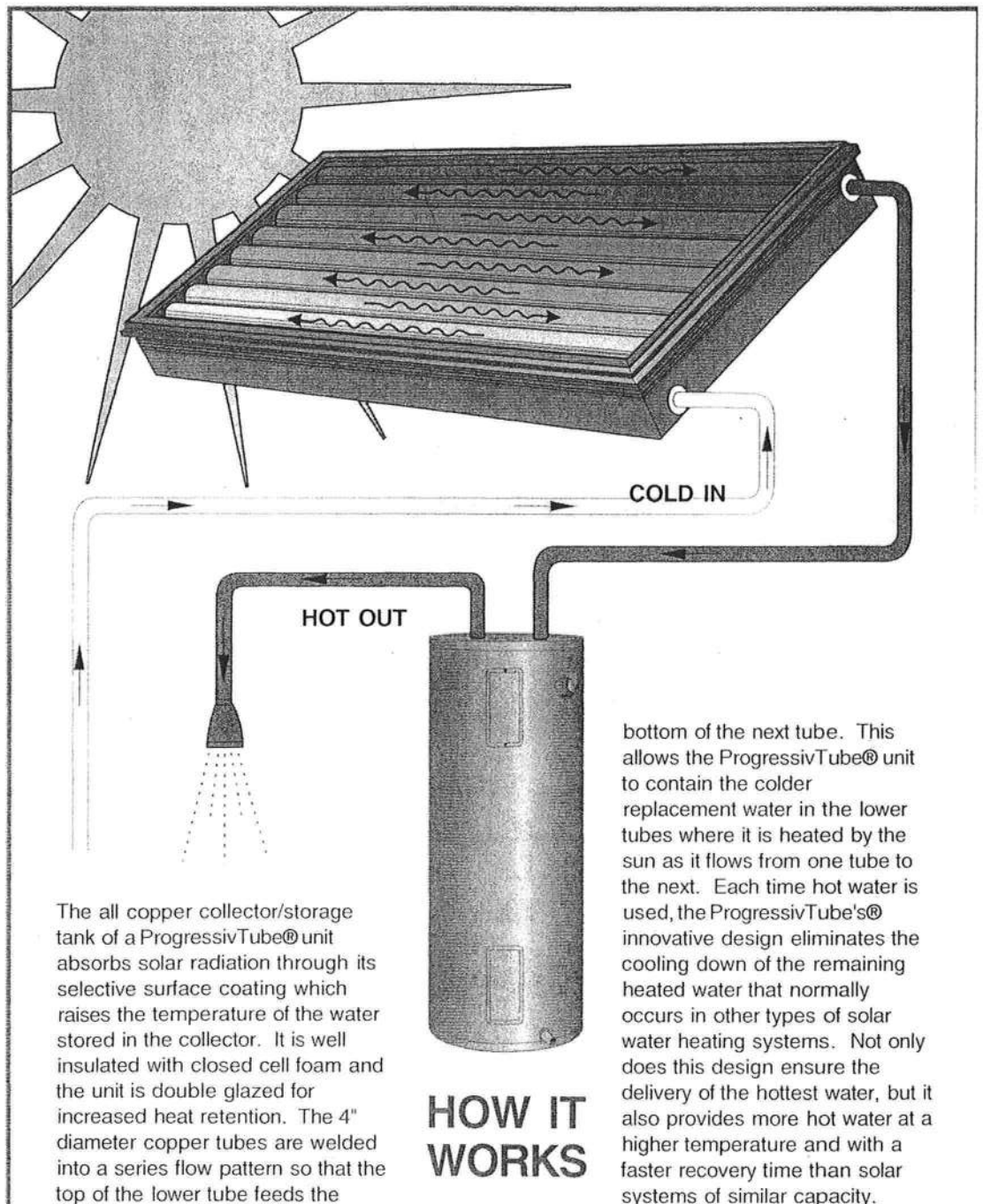
NAHB
NATIONAL ASSOCIATION
OF HOME BUILDERS



The ProgressivTube® passive solar water heater is a self-contained unit that acts as a solar collector and storage tank integrated into one piece of equipment. In most systems the unit is utilized as a pre-heater to a terminal, instantaneous or conventional water heater.

The ProgressivTube® is a passive system because it has no moving parts and operates on local water pressure and solar radiation. There are no pumps or controls to maintain and no electrical energy is required to make it function. Once installed the system will operate automatically. When hot water is used in the household, solar preheated water is drawn into the conventional

water heater, reducing or eliminating electricity or gas usage for heating water. However, as with all solar water heaters, the total amount of solar contribution to the system is dependent upon the hot water consumption pattern of the household, daily weather conditions, and variable amounts of available sunlight throughout the year.



The all copper collector/storage tank of a ProgressivTube® unit absorbs solar radiation through its selective surface coating which raises the temperature of the water stored in the collector. It is well insulated with closed cell foam and the unit is double glazed for increased heat retention. The 4" diameter copper tubes are welded into a series flow pattern so that the top of the lower tube feeds the

bottom of the next tube. This allows the ProgressivTube® unit to contain the colder replacement water in the lower tubes where it is heated by the sun as it flows from one tube to the next. Each time hot water is used, the ProgressivTube's® innovative design eliminates the cooling down of the remaining heated water that normally occurs in other types of solar water heating systems. Not only does this design ensure the delivery of the hottest water, but it also provides more hot water at a higher temperature and with a faster recovery time than solar systems of similar capacity.

HOW IT WORKS

PROGRESSIVTUBE® SPECIFICATIONS

GLAZING GASKETS: A continuous gasket made of special long life EDPM synthetic rubber is compressed by the glazing caps to seal out the weather. The inner glazing spline is made of high-temperature tolerant EPDM.

GLAZING: Outer glazing is tempered low-iron solar glass with 91% transmittance. Inner glazing is Teflon® film, known for its high temperature tolerance (525°F) and its long term durability and stability, transmittance 96%. The 3/4" air space between glazings reduces heat loss.

FLUID CONNECTIONS: Inlet and outlet connections are made of nominal 3/4" diameter Type "L" hard copper pipes. This allows for fast, leak-free sweat fitting plumbing connections.

CASE: The baked-on bronze acrylic finish of the hard temper, T6, extruded aluminum framewall and glazing caps, alloy 6061, assures years of attractive rust-free appearance. All rivets and bolts are aluminum or stainless steel. Aluminum back sheet .025".

INSULATION: Rigid closed cell polyisocyanurate foam board, the most efficient insulation available, is used to maximize heat retention. Sides and ends of the unit have 1.5" board, R-value 10; bottom has 2" board, R-value 14; between tank tubes has 1.5" board, R-value 10.

ABSORBER/STORAGE TANK: Constructed entirely of copper, the 4" diameter tubes are welded to the interconnecting pipes to form a series flow pattern. The tank is pressure rated to 300 psi and is coated with a high-temperature "selective" solar radiation absorption surface that maximizes heat gain and reduces heat loss.

PROGRESSIVTUBE® System Performance Ratings

The PROGRESSIVTUBE® and its mounting system have successfully passed static wind load testing to 180 m.p.h. All PROGRESSIVTUBE® Models and/or systems meet the following standards:



Florida Solar Energy Center
(FSEC - GP - 5 - 80)
(FSEC - GP - 6 - 80)
(FSEC - GP - 7 - 80)



ASHRAE 95-87
Thermal Performance
Standard
for
Solar Water Heaters



Solar Ratings &
Certification Corp.
SRCC Standard 200 - 88
(RA 92)
SRCC OG - 300



Uniform Solar Energy Code
International Association
of Plumbing &
Mechanical Officials

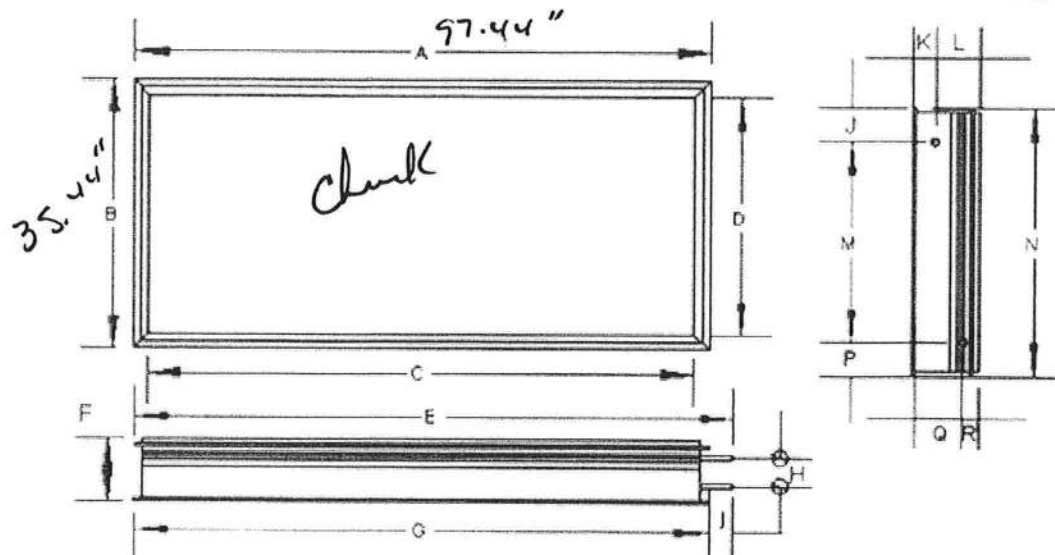
MODEL	FSEC Qnet		Florida Energy Factor		Efficiency	SRCC Solar Energy Factor
	(BTU/day)	(KWH)	North	South/Central		
* PT-30-CN	22,100	6.48	2.6	2.9	67.0%	1.4
PT-35-CN	22,400	6.56	2.6	2.9	67.9%	1.4
* PT-40-CN	28,400	8.33	4.1	4.9	63.4%	1.6
PT-50-CN	28,700	8.42	4.2	5.7	64.1%	1.6

PROGRESSIVETUBE® SPECIFICATIONS

	PT-30-CN	PT-40-CN	PT-50-CN
Volumetric Capacity	116.7 liters / 30.84 gal.	156.7 liters / 41.40 gal.	186.2 liters / 49.2 gal.
Gross Area	2.23 m ² / 23.98 ft ²	2.98 m ² / 32.10 ft ²	2.98 m ² / 32.10 ft ²
Transparent Frontal Area	2.04 m ² / 21.91 ft ²	2.77 m ² / 29.84 ft ²	2.77 m ² / 29.84 ft ²
Dry Weight	76.2 kg / 174 lbs	99.7 kg / 220 lbs	120.0 kg / 265 lbs
Wet Weight	192.7 kg / 425 lbs	255.4 kg / 563 lbs	301.0 kg / 664 lbs
Flow Pattern	Series	Series	Series
Test Pressure	2068 KPa / 300 psi	2068 KPa / 300 psi	2068 KPa / 300 psi
Design Pressure	1034 KPa / 150 psi	1034 KPa / 150 psi	1034 KPa / 150 psi
Maximum Design Temp.	176°C / 350°F	176°C / 350°F	176°C / 350°F
Normal Operating Temp.	4°C to 93°C / 40°F to 200°F	4°C to 93°C / 40°F to 200°F	4°C to 93°C / 40°F to 200°F

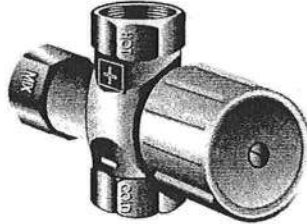
DIMENSIONS - Metric / Inches

A	247.5 cm / 97.44"	247.5 cm / 97.44"	247.5 cm / 97.44"
B	90.0 cm / 35.44"	120.5 cm / 47.44"	120.5 cm / 47.44"
C	241.9 cm / 95.25"	241.9 cm / 95.25"	241.9 cm / 95.25"
D	84.1 cm / 33.125"	114.6 cm / 45.125"	114.6 cm / 45.125"
E	250.0 cm / 98.44"	250.0 cm / 98.44"	250.0 cm / 98.44"
F	19.7 cm / 7.75"	19.7 cm / 7.75"	19.7 cm / 7.75"
G	247.2 cm / 97.3125"	247.2 cm / 97.3125"	247.2 cm / 97.3125"
H	6.9 cm / 2.75"	6.9 cm / 2.75"	6.9 cm / 2.75"
I	2.5 cm / 1.0"	2.5 cm / 1.0"	2.5 cm / 1.0"
J	8.9 cm / 3.5"	8.9 cm / 3.5"	8.9 cm / 3.5"
K	7.6 cm / 3.0"	7.6 cm / 3.0"	7.6 cm / 3.0"
L	13.9 cm / 5.5"	13.9 cm / 5.5"	13.9 cm / 5.5"
M	70.5 cm / 27.75"	100.9 cm / 39.75"	100.9 cm / 39.75"
N	89.7 cm / 35.3125"	120.2 cm / 47.3125"	120.2 cm / 47.3125"
P	9.2 cm / 3.625"	9.2 cm / 3.625"	9.2 cm / 3.625"
Q	15.6 cm / 6.125"	15.6 cm / 6.125"	15.6 cm / 6.125"
R	6.2 cm / 2.44"	6.2 cm / 2.44"	6.2 cm / 2.44"



PROGRESSIVTUBE® Plumbing Valve Kit Components

2-WAY SYSTEM

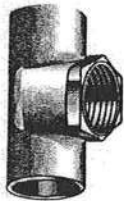


AQUAMIX® - ANTI SCALD TEMPERING VALVE (3/4")

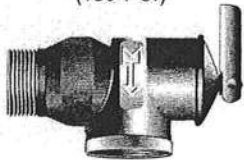
PARTS:

- 3 - 3/4" CAST BRONZE "T" FITTINGS
- 2 - 3/4" BRONZE BOILER DRAINS
- 1 - 3/4" FULL PORT 3-WAY BALL VALVE
- 1-150 PSI PRESSURE RELIEF VALVE
- 1 - 3/4" FULL PORT 2-WAY BALL VALVE
- 1 - AQUAMIX® - ANTI SCALD TEMPERING VALVE
- 1 - OWNERS MANUAL

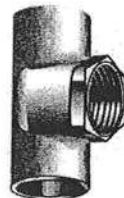
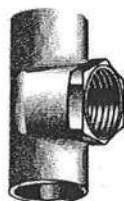
CAST BRONZE
"T" FITTING (3/4")



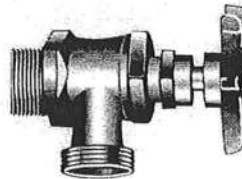
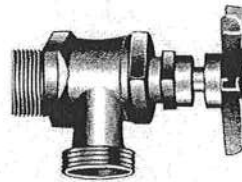
PRESSURE RELIEF VALVE
(150 PSI)



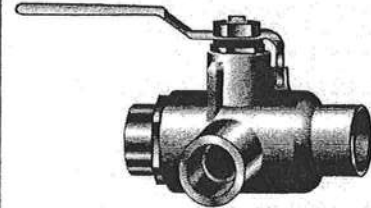
CAST BRONZE
"T" FITTINGS (3/4")



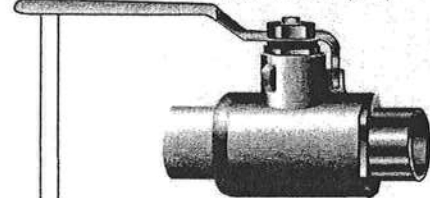
BRONZE
BOILER DRAINS (3/4")



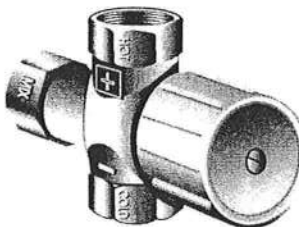
FULL PORT 3-WAY
BALL VALVE (3/4")



FULL PORT 2-WAY
BALL VALVE (3/4")



3-WAY SYSTEM

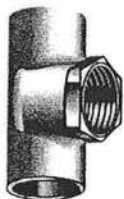


AQUAMIX® - ANTI SCALD TEMPERING VALVE (3/4")

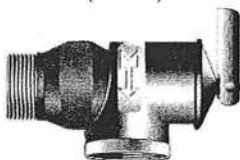
PARTS:

- 3 - 3/4" CAST BRONZE "T" FITTINGS
- 2 - 3/4" BRONZE BOILER DRAINS
- 2 - 3/4" FULL PORT 3-WAY BALL VALVES
- 1-150 PSI PRESSURE RELIEF VALVE
- 1 - 3/4" FULL PORT 2-WAY BALL VALVE
- 1 - AQUAMIX® - ANTI SCALD TEMPERING VALVE
- 1 - OWNERS MANUAL

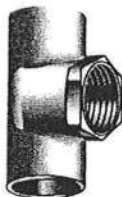
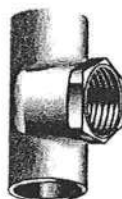
CAST BRONZE
"T" FITTING (3/4")



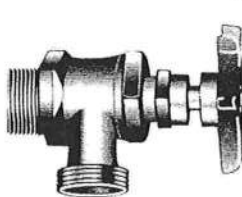
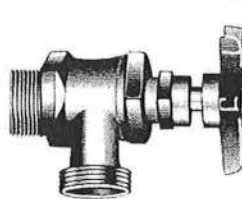
PRESSURE RELIEF VALVE
(150 PSI)



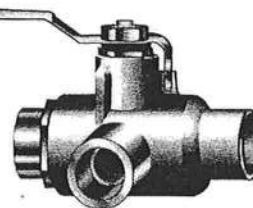
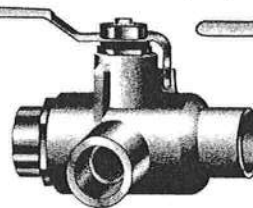
CAST BRONZE
"T" FITTINGS (3/4")



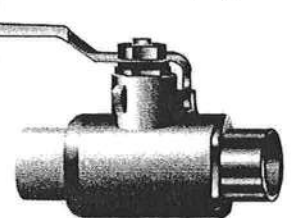
BRONZE
BOILER DRAINS (3/4")



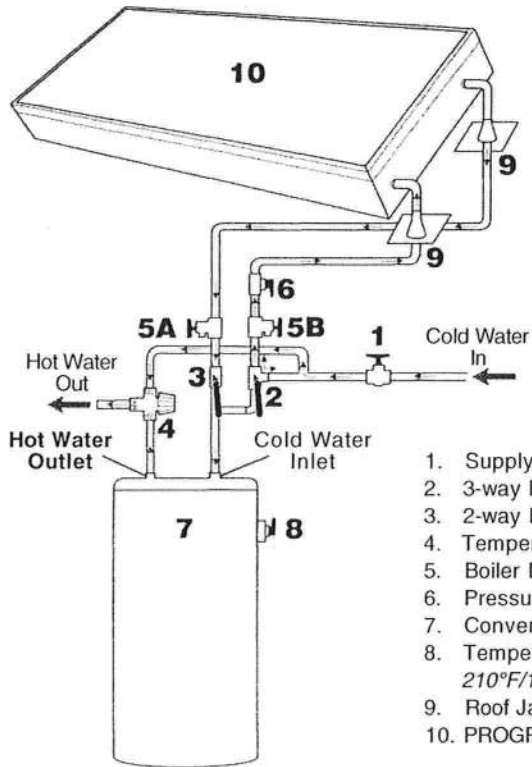
FULL PORT 3-WAY
BALL VALVES (3/4")



FULL PORT 2-WAY
BALL VALVE (3/4")

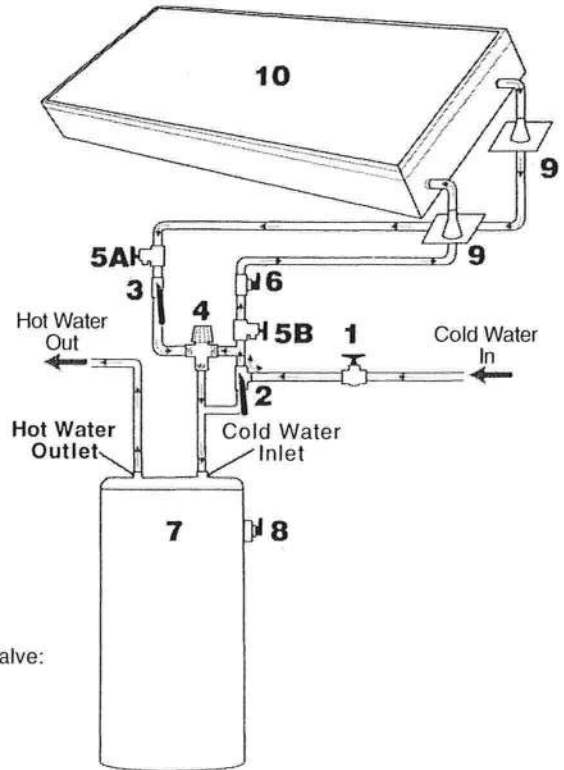


PROGRESSIVTUBE® PLUMBING DIAGRAMS

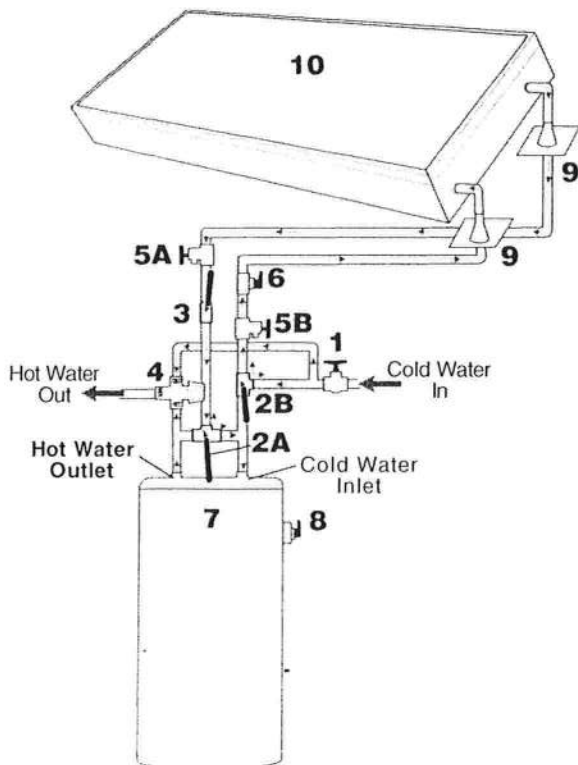


1. Supply shut off valve
2. 3-way Ball Valve: *Bronze*
3. 2-way Ball Valve: *Bronze*
4. Tempering Valve
5. Boiler Drains: *Bronze*
6. Pressure Relief Valve: *150 psi*
7. Conventional Water Heater
8. Temperature/Pressure Relief Valve: *210°F/150psi*
9. Roof Jacks
10. PROGRESSIVTUBE®

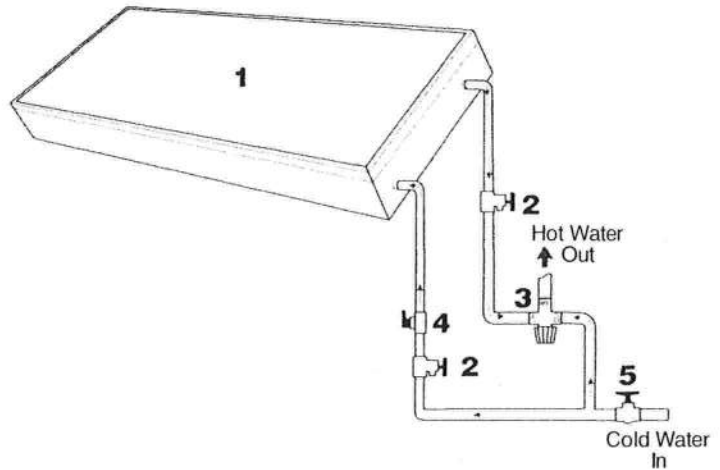
2-WAY SYSTEM
FOR ELECTRIC WATER HEATERS



2-WAY SYSTEM
FOR GAS WATER HEATERS



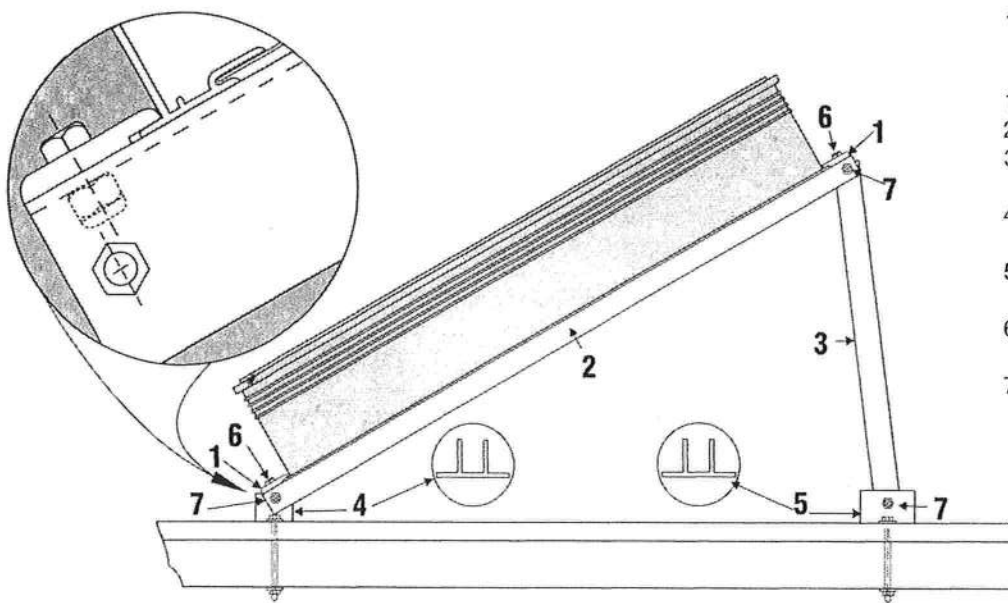
SRCC OG 300
3-WAY SYSTEM



DIRECT
SOLAR SYSTEM

1. PROGRESSIVTUBE®
2. Boiler Drains: *Bronze*
3. Tempering Valve: *Set between 140°F and 160°F*
4. Pressure Relief Valve: *150 psi*
5. Supply shut off valve.

PROGRESSIVTUBE® MOUNTING SYSTEM

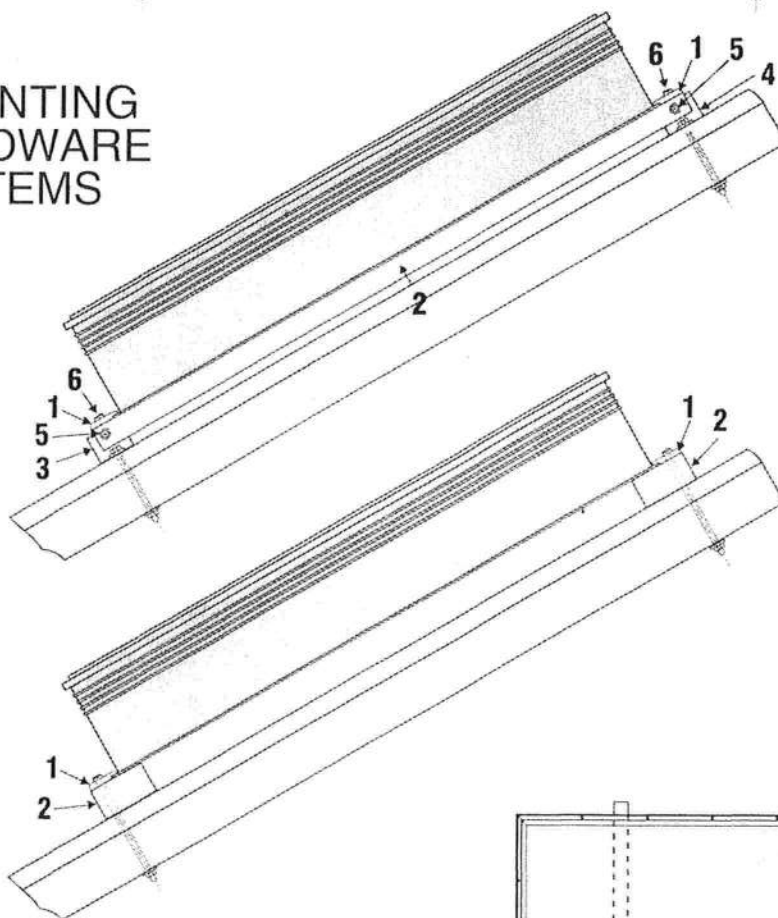


1. Adjustable Tilt

Mounting Hardware Parts:

1. Surface Clamps (4)
2. Cross Channel (2)
3. Standoff, 1-1/4" square tube, 1/8" wall (2)
4. Front Mount Base, 1" Double T (2)
5. Rear Mount Base, 1-1/4" Double T (2)
6. 1"x3/8" Stainless Steel Bolts and Locknuts (4)
7. 2-1/4" x 3/8" Stainless Steel Bolts and Locknuts (6)

MOUNTING HARDWARE SYSTEMS



2. Fixed Mount

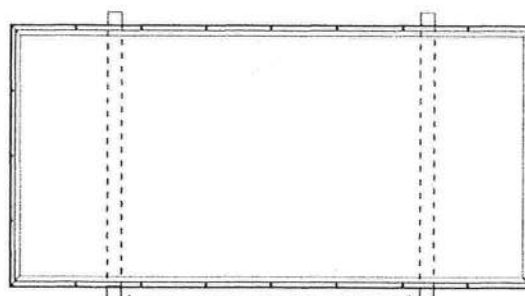
Mounting Hardware Parts:

1. Surface Clamps (4)
2. Cross Channel (2)
3. Front Mount Base, 1" Double T (2)
4. Rear Mount Base, 1" Double T (2)
5. 2-1/4" x 3/8" Stainless Steel Bolts and Locknuts (4)
6. 1"x 3/8" Stainless Steel Bolts and Locknuts (4)

3. Flush Mount

Mounting Hardware Parts:

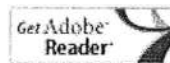
1. Surface Clamps (4)
2. Treated 2" x 6" wood blocks under surface clamps supplied by contractor



MIN. 42" BETWEEN CROSS CHANNELS


[SEASONAL SOLAR](#) || [NEWS](#) || [ABOUT US](#) || [GALLERY](#) || [CONTACT US](#) || [HOME](#)

PROGRESSIVTUBE® Solar Heating Systems

[Download Spec Guide](#)


Home
Owner



Contractor/
Specifier



Distributor



Building
Professional



Dealer /
Distributor
Training



Passive Solar Water Heaters

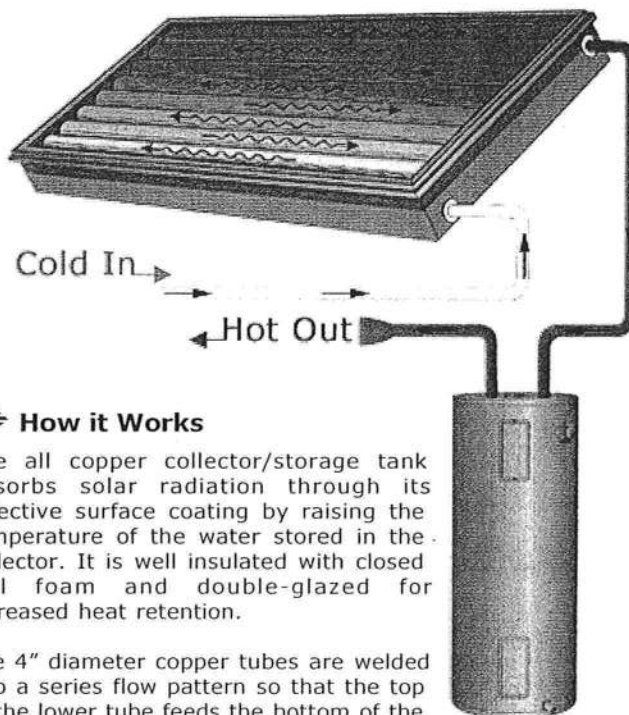
PROGRESSIVTUBE® passive solar hot water heaters are self-contained, single unit systems that integrate the solar collector and storage tank. In most applications, it functions as a pre-heater to an instantaneous or conventional water heater.

PROGRESSIVTUBE® solar hot water heaters require only local water pressure and solar radiation to operate. No pumps, controls, mechanical or electrical components are required. Once installed, the system will work automatically. When hot water is used, solar pre-heated water is drawn into the conventional water heater, reducing electrical or gas usage for water heating. The PROGRESSIVTUBE® is among the most efficient solar systems rated by national testing and certification agencies. All PROGRESSIVTUBE® solar hot water systems meet or exceed all applicable national plumbing and building codes. Our systems are virtually maintenance free and feature a twenty-five year design life. Whether your purchase decisions depend on simple pay back, return on investment or life cycle analysis, PROGRESSIVTUBE® solar hot water heating system can exceed your expectations.

PROGRESSIVTUBE® the value leader in solar technology!

PROGRESSIVTUBE® System Sizing

Family Size/ Bedrooms	PT20	PT30	PT40	PT50	PT60	PT80
1-2	X	X				
3			X			
4				X		
5				X	X	
6+					X	X



How it Works

The all copper collector/storage tank absorbs solar radiation through its selective surface coating by raising the temperature of the water stored in the collector. It is well insulated with closed cell foam and double-glazed for increased heat retention.

The 4" diameter copper tubes are welded into a series flow pattern so that the top of the lower tube feeds the bottom of the next tube. This allows the collector to contain the colder replacement water in the lower tubes where it is heated by the sun as it flows from one tube to the next. Each time hot water is used, the innovative design eliminates the cooling down of the remaining heated water that normally occurs in other types of solar hot water heating systems.

Not only does this design ensure the delivery of the hottest water, but it also provides more hot water at a higher temperature and with a faster recovery time than solar systems of similar capacities.



Find out more about federal, state and utility incentives available [in your state.](#)

Home Owner Benefits

- ♦ Our solar water heaters reduce anywhere from 50% - 90% of your annual hot water heating costs that are typically 20% - 40% of your utility bill. Only A/C and heating is a higher energy cost than hot water heating. Savings of \$150 - \$300 + each year of your water heating cost is typical for families of 2 - 4. Larger families save even more.
- ♦ Double your hot water storage capacity - no running out of hot water.

- ♦ Environmentally friendly PROGRESSIVTUBE® solar water heaters offset utility pollution the equivalent of driving x miles or a forest of x acres.
- ♦ One of the top rated systems as tested and certified by the Florida Solar Energy Center.
- ♦ Manufactured since 1984 by one of America's oldest solar manufacturers.
- ♦ Ten year warranty including freeze damage (refer to TCT warranty guidelines).
- ♦ Passive design assures no ongoing costly repair bills many times associated with other solar heating systems.
- ♦ Thirty year design life.
- ♦ Aesthetically pleasing skylight design.





FL 5100.11

**ANSI/AAMA/NWDA 101/I.S.2-97
TEST REPORT**

Rendered to:

MI WINDOWS AND DOORS, INC.

SERIES/MODEL: 3500/3540

PRODUCT TYPE: PVC Fixed Window

Title	Summary of Results
Rating	F-LC25 72 x 96
Air Infiltration	<0.01 cfm/ft ²
Water Resistance Test Pressure	12.0 psf
Uniform Load Deflection Test Pressure	±25.0 psf
Uniform Load Structural Test Pressure	±37.5 psf
Forced Entry Resistance	Grade 10

Reference should be made to ATI Report No. 56538.01-122-47 for complete test specimen description and data.



ANSI/AAMA/NWDA 101/I.S.2-97 TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC.
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No.: 56538.01-122-47
Test Dates: 03/29/05
Through: 03/31/05
Report Date: 08/25/05
Expiration Date: 03/29/09

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Windows and Doors, Inc. to witness testing on a Series/Model 3500/3540, PVC fixed window at MI Windows and Doors, Inc. test facility in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for an F-LC25 72 x 96 rating. Test specimen description and results are reported herein.

Test Specification: The test specimen was evaluated in accordance with ANSI/AAMA/NWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:

Series/Model: 3500/3540

Product Type: PVC Fixed Window

Overall Size: 6' 0" wide by 8' 0" high

Daylight Opening Size: 5' 7-7/8" wide by 7' 8" high

Overall Area: 48.0 ft²

Finish: All PVC was white.

Glazing Details: The window utilized 7/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The windows were interior glazed onto double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

Test Specimen Description: (Continued)

Frame Construction: The frame was constructed from extruded vinyl with mitered and welded corners. The interior perimeter utilized a snap-in frame insert.

Drainage:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
1/8" wide by 1" long weephole	2	3" from sill ends on sill face

Reinforcement: No reinforcement was utilized.

Installation: The windows were installed into a #2 Spruce-Pine-Fir wood buck. The nail fin was back bedded in silicone and secured with #6 x 1-5/8" drywall screws located 2" from ends and 10" on center, washers were used on the screws at the midspan of all members.

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	<0.01 cfm/ft ²	0.30 cfm/ft ² max.
<i>Note #1: The tested specimen meets (or exceeds) the performance levels specified in ANSI/AAMA/NWDA 101/I.S.2-97 for air infiltration.</i>			
2.1.3	Water Resistance per ASTM E 547 (with and without screen) 3.75 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the jamb) (Loads were held for 52 seconds) 15.0 psf (positive) 15.0 psf (negative)	0.03" 0.02"	See Note #2 See Note #2
2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the jamb) (Loads were held for 10 seconds) 22.5 psf (positive) 22.5 psf (negative)	<0.01" <0.01"	0.37" max. 0.37" max.

Note #2: The Uniform Load Deflection test is not a requirement of ANSI/AAMA/NWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.7	Welded Corner Test	Meets as stated	Meets as stated
2.1.8	Forced Entry Resistance per ASTM F 588		
	Type: D	Grade: 10	
	Hand and Tool Manipulation Test	No entry	No entry
	<u>Optional Performance</u>		
4.3	Water Resistance per ASTM E 547 (with and without screen) 12.0 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the jamb) (Loads were held for 52 seconds)		
	25.0 psf (positive)	0.06"	See Note #2
	25.0 psf (negative)	0.04"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the jamb) (Loads were held for 10 seconds)		
	37.5 psf (positive)	0.01"	0.37" max.
	37.5 psf (negative)	0.02"	0.37" max.

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years from the original test date. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced, except in full, without the approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC:



Digitally Signed by: Mark A. Hess

Mark A. Hess
Technician

MAH:jld



Digitally Signed by: Steven M. Urich

Steven M. Urich, P.E.
Senior Project Engineer

Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	08/25/05	N/A	Original report issue

FL # 5438.9

ANSI/AAMA/NWWDA 101/I.S.2-97
TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC.

SERIES/MODEL: 3540
PRODUCT TYPE: PVC Triple Single Hung

Title	Summary of Results
Rating	H-R30* 108 x 74
Operating Force	17 lbf max.
Air Infiltration	0.11 cfm/ft ²
Water Resistance Test Pressure	4.50 psf
Uniform Load Deflection Test Pressure	±47.2 psf
Uniform Load Structural Test Pressure	+52.5 psf, -70.8 psf
Forced Entry Resistance	Grade 10

Reference should be made to ATI Report No. 50172.01-122-47 for complete test specimen description and data.



ANSI/AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC.
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No.: 50172.01-122-47
Revision 1: 08/30/04
Test Dates: 06/11/04
Through: 07/07/04
Report Date: 07/27/04
Expiration Date: 07/07/08

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Windows and Doors, Inc. to witness testing on a Series/Model 3540, triple single hung window at MI Windows and Doors, Inc. test facility in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for a H-R30* 108 x 74 rating. Reference should be made to Report No. 01-45617.02 for Gateway Performance results. Test specimen description and results are reported herein.

General Note: An asterisk (*) next to the performance grade indicates that the size tested for optional performance was smaller than the Gateway test size for the product type and class.

Test Specification: The test specimen was evaluated in accordance with ANSI/AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:

Series/Model: 3540

Product Type: PVC Triple Single Hung

Overall Size: 8' 11-5/8" wide by 6' 1-3/4" high

Interior Sash Size (3): 2' 9-3/4" wide by 3' 0-1/8" high

Fixed Daylight Opening Size (3): 2' 7-3/4" wide by 2' 9-3/16" high

Screen Size: 2' 9" wide by 2' 11-1/4" high

Overall Area: 55.1 ft²

Test Specimen Description: (Continued)

Finish: All PVC was white.

Glazing Details: All glazing consisted of 7/8" thick sealed insulating glass units that were comprised of two sheets of 3/32" thick clear annealed glass and a metal reinforced butyl spacer system. The glass was interior glazed against a double-sided adhesive glazing tape and secured with vinyl glazing beads.

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.187" backed by 0.250" high polypile	1 Row	Meeting rail, stiles
0.187" backed by 0.250" high polypile	1 Row	Sill leg
0.187" backed by 0.310" high polypile	1 Row	Stiles
0.187" backed, 1/4 foam filled single leaf vinyl bulb gasket	1 Row	Bottom rail
0.187" backed, 1/8 foam filled vinyl bulb gasket	1 Row	Fixed meeting rail

Frame Construction: The frame was constructed of extruded PVC members. Corners were mitered and welded. End caps were utilized on the ends of the meeting rail and secured with three #6 by 5/8" screws per cap. The fixed meeting rail was then secured to the frame utilizing three #6 by 5/8" screws.

Sash Construction: The sash was constructed of extruded PVC members. Corners were mitered and welded.

Screen Construction: The screen was constructed of roll-formed aluminum. Corners were square-cut and secured with vinyl corner keys. The mesh was secured with a flexible vinyl spline.

Test Specimen Description: (Continued)

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Constant force balances	6	One per jamb
Metal cam locks with adjacent keepers	6	Meeting rail, 7" from each end
Plastic tilt latches	6	Each end of the interior meeting rail
Metal pivot pins	6	Each end of the bottom rail

Drainage:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
3/32" by 1/2" weepslot	12	Bottom rail, 2 at each end
1/8" by 1" weepslot	2	Sill, 3" from each end
5/16" by 1/2" weepslot	2	Screen track, 2-1/2" from each end

Reinforcement: The interior meeting rail and bottom rail utilized a roll-formed "I beam" steel reinforcement (Drawing #GV1-451-020). The fixed meeting rail utilized a steel reinforcement (Drawing #RF-104S-020). The intermediate frame rails utilized a steel reinforcement (Drawing #2.75x.125 steel plate).

Installation: The unit was installed into a wood test buck. The nail fin was set against a silicone bedding and fastened to the buck with #6 by 1-5/8" screws, 2" from corners and 8" on center. 3/4" washers were utilized along the entire length of the sill, at midspan of the head and jambs, and at all corners.

Test Results: The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.6.1.1	Operating Force	17 lbf	30 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.11 cfm/ft ²	0.3 cfm/ft ² max.

Note #1: The tested specimen meets (or exceeds) the performance levels specified in ANSI/AAMA/NWDA 101/I.S.2-97 for air infiltration.

Test Results: (Continued)

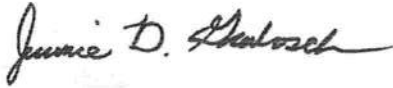
<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.3	Water Resistance per ASTM E 547 (with and without screen)		See Note #2
<i>Note #2: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance".</i>			
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the mullion) (Loads were held for 52 seconds)		
	35.0 psf (positive)	0.39"	See Note #3
	35.0 psf (negative)	0.54"	See Note #3
<i>Note #3: The Uniform Load Deflection test is not a requirement of ANSI/AAMA/NWDA 101/1.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.</i>			
2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the mullion) (Loads were held for 10 seconds)		
	52.5 psf (positive)	<0.01"	0.27" max.
	52.5 psf (negative)	0.07"	0.27" max.
2.2.6.1.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Interior meeting rail	0.13"/26%	0.50"/100%
	Bottom rail	0.11"/22%	0.50"/100%
	In remaining direction - 50 lbs		
	Left stile	0.09"/18%	0.50"/100%
	Right stile	0.10"/20%	0.50"/100%
2.1.7	Welded Corner Test	Meets as stated	Meets as stated

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.8	Forced Entry Resistance per ASTM F 588		
	Type: A	Grade: 10	
	Lock Manipulation Test	No entry	No entry
	Test A1	No entry	No entry
	Test A2	No entry	No entry
	Test A3	No entry	No entry
	Test A4	No entry	No entry
	Test A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
<u>Optional Performance</u>			
4.3	Water Resistance per ASTM E 547 (with and without screen)		
	4.50 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the mullion) (Loads were held for 52 seconds)		
	47.2 psf (positive)	0.73"	See Note #3
	47.2 psf (negative)	0.92"	See Note #3
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the mullion) (Loads were held for 10 seconds)		
	52.5 psf (positive)	<0.01"	0.27" max.
	70.8 psf (negative)	0.21"	0.27" max.

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years from the original test date. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced, except in full, without the approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC:



Digitally Signed by: Jeramie D. Grabosch

Jeramie D. Grabosch
Technician

JDG:vlm



Digitally Signed by: Steven M. Urich

Steven. M. Urich, P.E.
Senior Project Engineer

**SIDE-HINGED WOOD-EDGE STEEL DOOR UNIT
6'-8" DOUBLE DOOR WITH / WITHOUT SIDELITES**

GENERAL NOTES

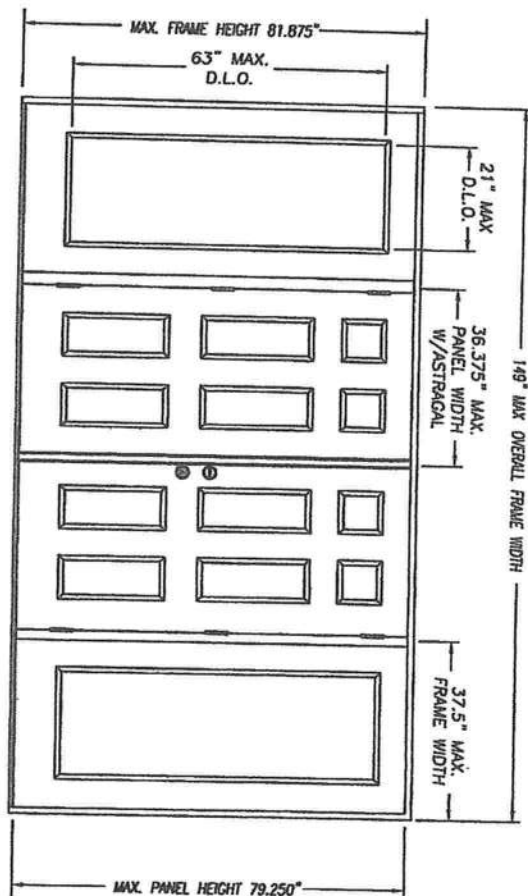
1. EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE AND WHERE PRESSURE DEMANDS ARE AS DETERMINED BY ASCE 7, MINIMUM REQUIREMENTS FOR BUILDINGS AND OTHER STRUCTURES, BUT NOT EXCEED THE DESIGN PRESSURES LISTED
2. HURRICANE PROTECTIVE SYSTEM (SHUTTERS) IS NOT REQUIRED ON OPaque PANELS, BUT IS REQUIRED ON GLAZED SODLITIES
3. POLYURETHANE CORE FLAME SPREAD INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 60 PER ASTM E84
4. PLASTICS TESTING OF LIFE FRAME MATERIAL:

TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D11929	660 °F TO 650 °F
RATE OF BURNING	ASTM D635	1.10 IN./MIN
SMOKE DENSITY	ASTM D2843	66.62
TENSILE STRENGTH*	ASTM D638	~7.78% OFF

* COMPENSATING TENSILE STRENGTH AFTER WEATHERING 4500 HOURS TENSILE AND METHOD 1

SELF-IGNITION TEMP	ASTM D1929	680 °F > 650 °F
RATE OF BURNING	ASTM D635	1.10 IN/MIN
SMOKE DENSITY	ASTM D2843	69.6%
TENSILE STRENGTH*	ASTM D638	-7.48% DIFF

4500 HOURS XENDN ARC METHOD 1



DOUBLE INSWING UNIT W/SIDE LITES

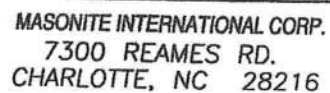
Attention to NWA

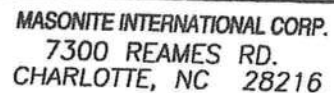
Certificate No: NI0006110 1/1
 Prepared By: 2007
 Date Prepared: 8/16/05

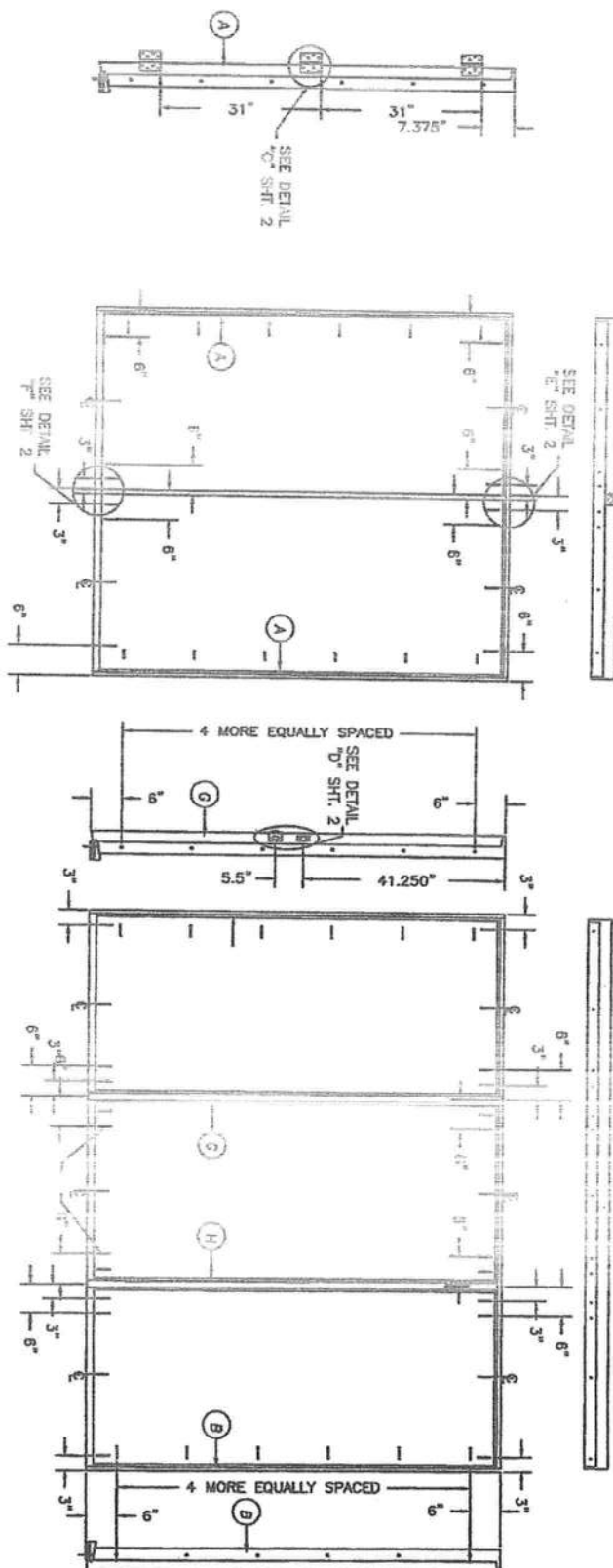
TABLE OF CONTENTS	
LT. #	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	ANCHORING LOCATIONS & DETAILS
3	ANCHORING LOCATIONS & DETAILS

CONFIG.	MAX WIDTH	DESIGN PRESSURE RATING				WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE	
		INSURING		OUTSINING			
XX	37.5"	+76.0	-76.0	+19.0	-19.0	+55.0	-55.0
X	46"	+55.0	-55.0	+19.0	-19.0	+55.0	-55.0
XX	75"	+55.0	-55.0	+19.0	-19.0	+55.0	-55.0
Ox or XO	112.5"	+55.0	-55.0	+19.0	-19.0	+55.0	-55.0
OXXO	149"	+55.0	-55.0	+19.0	-19.0	+55.0	-55.0

DATE: 7/11/05		PRODUCT:	
SCALE: N.T.S.		"EXTERIOR DOOR PRODUCT"	
DWG. BY: SWS		DOUBLE 6"8" OPAQUE	
CHK. BY:		WOOD-EDGE STEEL DOOR	
DESIGN NO.:		PART OR ASSEMBLY:	
DWG. NO. - L0128-05		TYPICAL ELEVATIONS	
SHEET 1 of 3		& GENERAL NOTES	







- SIGNED AND SEALED BY HAROLD E. RIPP, PE
(FLORIDA #15935) WITH THE LOWEST (LEAST)
FASTENER RATING FROM THE DIFFERENT FASTENERS
BEING CONSIDERED FOR USE. JAMB, HEAD, AND
THRESHOLD FASTENERS ANALYZED FOR THIS UNIT INCLUDE
#10 WOOD SCREWS OR 3/16" TAPSCONS. A PHYSICAL
SHIM MUST BE PLACED IN SHIM SPACE AT EACH ANCHOR
LOCATION.

1. Kwikset or Schlage ANSI/BHMA Grade 3 or better cylindrical and deadlock hardware to be installed at 5'-1/2" centerline.
2. 4" x 4" full mortise butt hinges



ANCHOR INSTALLATION

2. THE WOOD SCREW SINGLE SHEAR DESIGN VALUES COME FROM ANSI/AF&A NDA FOR SOUTHERN PINE LUMBER AND ACHIEVEMENT OF 1-1/2" MINIMUM EMBEDMENT. THE TACON MUST ACHIEVE MINIMUM EMBEDMENT OF 1-1/4".
3. WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE.
4. MINIMUM DESIGN VALUE STRENGTH OF ANCHORS 171 LBS.

Addressed to: Mr. Tolson
 Checked by: 8/10/05
 Initials: ML

DATE: 7/11/05	NO.	DATE	REVISIONS	BY	PRODUCT: "EXTERIOR DOOR PRODUCT" 6"-8" WOOD-EDGE STEEL GLAZED DOUBLE DOOR UNIT	MASONITE INTERNATIONAL CORP. 7300 REAMES RD. CHARLOTTE, NC 28216
DATE: 7/11/05	NO.	DATE	REVISIONS	BY	PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS	

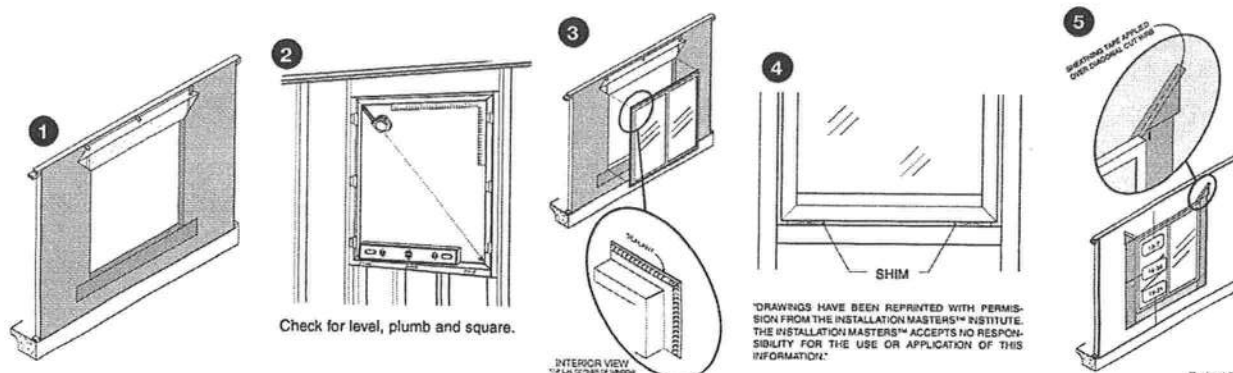


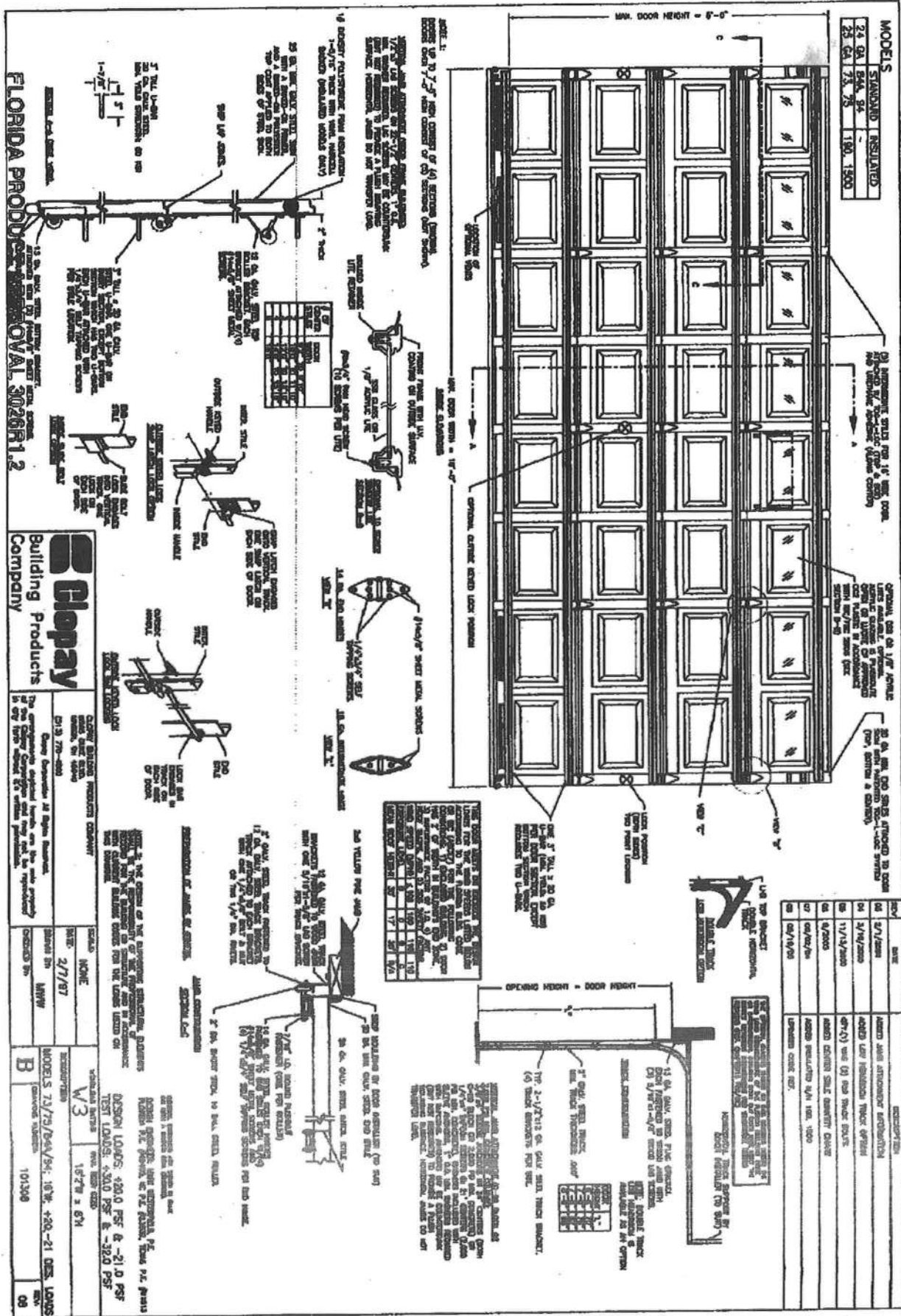
READ THESE INSTRUCTIONS COMPLETELY BEFORE BEGINNING. Please inspect your MI Window and Door for any product damage before installing. Inspect the opening and the product-specific installation requirements (for example, range of headroom) to be sure they meet the minimum requirements and warranty include important information regarding your window and door. If you need to make any adjustments, please contact MI Windows and Doors, Inc. Local building codes may impose additional requirements, and these apply to the product as well. If you did not

1. IF THE BUILDING HAS A WEATHER RESISTANT BARRIER (WRB) WHICH REQUIRES REMOVING THE WRB, REMOVE THE WRB FROM THE TOP CORNER MAKE A 45° CUT IN THE WRB. FOLD UP THE WRB SO THAT THE TOP CORNER OF THE WINDOW FRAME IS EXPOSED UNDERNEATH IT. (SEE FIGURE 1 BELOW)
2. MAKE SURE THE FRAMING OPENING IS PLUMB, SQUARE AND THE SILL PLATE IS LEVEL. ROUGH OPENINGS SHOULD BE 1/2" LARGER THAN WINDOW FRAME IN WIDTH & HEIGHT. (SEE FIGURE 2 BELOW)
3. CLOSE & LOCK THE SASH THROUGHOUT INSTALLATION. KEEP THE SIDE JAMBS SQUARE & SQUARE WITH THE SILL. BE CAREFUL NOT TO CRACK UP OR BOW DOWN THE SILL OR HEAD. CONSTANTLY CHECK WIDTH AT THE MEETING RAILS OF SINGLE AND DOUBLE HINGS (CENTER POINT ON ELEMENTS) TO AVOID DISTORTION. WHEN FINISH FLASHING APPLY THE BOTTOM PIECE BEFORE INSTALLING THE WINDOW. (SEE FIGURE 1 BELOW) FLASHING MUST BE PATED TO MEET ASTM D-779 24 HOUR WATER RESISTANCE TEST.
4. APPLY A CONTINUOUS 3/8" BEAD OF PREMIUM GRADE COMPATIBLE EXTERIOR SEALANT TO THE INTERIOR RAILINGS OF THE WINDOW. (SEE FIGURE 2 BELOW) WITH THE PRE-PUNCHED HOLES ON ALL SIDES PRIOR TO SETTING THE WINDOW INTO THE ROUGH OPENING. (SEE FIGURE 3 BELOW)
5. PLACE 1/2" SHIMS INTO THE ROUGH OPENING. SILL PLATE UNDER THE BOTTOM CORNERS OF THE WINDOW (SEE FIGURE 4 BELOW). THESE SHIMS SHOULD BE REMOVED WHEN INSTALLATION IS COMPLETE. DO NOT PLACE SHIMS OR A LOGS UNDER THE SILL EXCEPT AT THE FRAME CORNERS. SET THE WINDOW ONTO THE SHIMS. CENTERING THE WINDOW IN THE OPENING ALLOWING EQUAL SPACE ON EITHER SIDE. FOR WINDOWS WITH INTERMEDIATE JAMBS AND ALL DOUBLE WINDOWS, CONTINUOUS SHIM OR HORIZONTAL SHIMS ARE RECOMMENDED UNDER EACH INTERMEDIATE JAMB AND MEETING RAIL TO ENSURE SILL IS LEVEL. 1" THICK SILL SHIMS SHOULD BE USED AFTER INSTALLATION IS COMPLETE. ADDITIONAL SHIMS AS NECESSARY TO MAINTAIN A LEVEL SILL THROUGHOUT INSTALLATION.
6. PLACE A TEMPORARY FASTENER INTO THE SILL PLATE AT EACH CORNER. CHECK LEVEL AND SQUARE OF THE WINDOW BY MEASURING THE DIAGONALS. OPEN BOTTOM SASH. CHECK THE REVEAL (SPACE) BETWEEN THE BOTTOM OF THE SASH AND THE WINDOW SILL. CLOSE AND RELOCK THE SASH. ADJUST IF NECESSARY. PLACE ADDITIONAL FASTENERS IN THE BOTTOM CORNERS CHECKING WINDOW AGAIN FOR LEVEL, PLUMB AND SQUARE.
7. SECURE THE WINDOW WITH FASTENERS THAT PENETRATE THE FRAMING BY A MINIMUM OF 1". CARE SHOULD BE TAKEN TO INSTALL FASTENERS STRAIGHT NOT ANGLED. MEET THE FASTENERS INTO ALL SIDES AND SECURE FROM FASTENING THE SILL AND HEAD BE SURE THEY ARE STRAIGHT AND LEVEL. FASTENERS SHOULD BE APPLIED SECURELY INTO EVERY OTHER SLOT ON ALL SIDES. DO NOT DISTURB THE SILL OR HEAD WITH THE FASTENERS.
8. APPLY SEALANT OVER EXPOSED FASTENER HEADS. ANY UNUSED SLOTS AND THE OUTSIDE EDGE OF THE SILL FIN WHERE IT COMES IN CONTACT WITH THE WRB-BARRIER OR FLASHING (WINDOW TAPE) IF BEING USED. NOTE: SILL FLASHING SHOULD HAVE BEEN APPLIED PRIOR TO INSTALLING THE WINDOW. APPLY THE SIDE FLASHING ON TOP OF THE SILL FIN OVER TOP OF THE SILL FLASHING AND EXTENDING UP HALF THE TOP SILL FIN APPROXIMATELY 2". THEN APPLY THE TOP FLASHING ALSO OVER THE SILL FIN, OVERLAPPING THE SIDE PIECES AND EXTENDING PAST THE SIDE FLASHING BY APPROXIMATELY 1". LASTLY FOLD DOWN THE WRB FLAP OVER THE FLASHING, TAPE THE DIAGONAL CUTS ABOVE EACH CORNER. (SEE FIGURE #5 BELOW)
9. PLACE SHIMS AT THE MEETING RAIL/CHECK RAIL ON THE SIDE JAMBS TO PREVENT BOWING. THESE SHIMS SHOULD REMAIN AFTER INSTALLATION. CAUTION SHOULD BE TAKEN AS TO NOT OVER SHIM, CAUSING DEFLECTION OF THE FRAME AND HINDER SASH OPERATION. CHECK THE FRAME WIDTH AT TOP, MIDDLE AND BOTTOM, IF NOT THE SAME, SHIM ACCORDINGLY. UNLOCK AND OPERATE THE SASH(S). VISUALLY INSPECT ALL SIGHT LINES. ADJUST OR SHIM AS REQUIRED TO ASSURE CONSISTENT SASH REVEAL AND EASE OF OPERATION.
10. INSULATE BETWEEN THE WINDOW FRAME & ROUGH OPENING WITH FIBERGLASS INSULATION OR EQUAL. THE SPACE MAY BE EFFECTIVELY FILLED WITH MEASURED USE OF LOW EXPANSION FOAM BUT ONLY AFTER DETERMINING THAT FOAM WILL NOT EXERT PRESSURE AGAINST THE FRAME, WHICH CAN IMPAIR OPERATION, DISTORTION OF THE FRAME WILL AFFECT THE USER'S RIGHTS UNDER THE WARRANTY.
11. ALLOW A 1/4" GAP BETWEEN THE EXTERIOR CLADDING, SIDING, BRICK, STUCCO OR STONE AND THE WINDOW FRAME ON ALL SIDES (EXCEPT VINYL J CHANNEL). THE GAP (EXPANSION JOINT) SHOULD BE FILLED WITH CORRECT SIZE BACKER ROD THEN SEALED WITH A HIGH GRADE EXTERIOR SEALANT AND WILL NEED TO BE MAINTAINED.

- USE OF SOLVENTS OR ACIDS WILL DAMAGE COMPONENTS OF THIS PRODUCT AND WILL LIMIT RIGHTS UNDER THE WARRANTY
- VIBRAL MINDSUS HAS PRE-PUNCHED HOLES FOR INSTALLATION - FASTENING IN ANY OTHER PORTION MAY PERMANENTLY DAMAGE UNIT WHICH WILL LIMIT RIGHTS UNDER THE WARRANTY
- IT IS THE SOLE RESPONSIBILITY OF THE OWNER, ARCHITECT, AND/OR BUILDER TO SELECT CORRECT PRODUCTS TO BE IN COMPLIANCE WITH APPLICABLE LAWS, SITE REQUIREMENTS AND BUILDING CODES AND TO ENSURE THAT INSTALLATION IS IN COMPLIANCE WITH APPLICABLE LAWS, SITE REQUIREMENTS AND BUILDING CODES
- DO NOT STORE IN THE SUN OR LAY FLAT BEFORE OR DURING INSTALLATION.
- ANY PENETRATIONS (e.g. ALARM SENSORS) MADE THROUGH ANY PORTION OF ANY MBL, BETTERBILT OR CAPITOL PRODUCT MAY AFFECT RIGHTS UNDER THE MANUFACTURER'S WARRANTY.
- SOME LAWS AND BUILDING CODES REQUIRE SAFETY GLASS. THE ORDERING PARTY IS RESPONSIBLE TO SPECIFY SAFETY GLASS AND ENSURE COMPLIANCE WITH LOCAL LAWS AND BUILDING CODES.

These installation instructions are provided for information only; no representation and warranty is made that these instructions set forth all of the information necessary for proper installation of the product. Given the variety of field conditions, primary responsibility for product installation rests with the installer. Do not proceed unless you have addressed the factors necessary to achieve weather-tight installation of a properly functioning product. MI Windows and Doors, Inc. assumes no liability for any personal injury or property damage incurred in installation. These instructions, together with the product specifications and warranty set forth the entire liability of MI Windows and Doors, Inc. with regard to the product.





Manual J Winter Calculations

Residential Load - Component Details (continued)

Murkerson Residence
829 SW Feather Lane
Fort White, FL 32038-

Project Title:
701152HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

4/25/2007

Final Totals

	Subtotal Sensible	43797 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	43797 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 - Manual J Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Murkerson Residence
829 SW Feather Lane
Fort White, FL 32038-

Project Title:
701152HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

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

4/25/2007

Component Details					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=
1	2, Clear, Metal, 0.87	NW	30.0		32.2
2	2, Clear, Metal, 0.87	SW	9.0		32.2
3	2, Clear, Metal, 0.87	NW	9.0		32.2
4	2, Clear, Metal, 0.87	NE	36.0		32.2
5	2, Clear, Metal, 0.87	E	16.0		32.2
6	2, Clear, Metal, 0.87	SE	16.0		32.2
7	2, Clear, Metal, 0.87	S	16.0		32.2
8	2, Clear, Metal, 0.87	SE	90.0		32.2
9	2, Clear, Metal, 0.87	SE	13.3		32.2
10	2, Clear, Metal, 0.87	SW	54.0		32.2
11	2, Clear, Metal, 0.87	SW	10.0		32.2
Window Total			299(sqft)		
Load					
966 Btuh					
290 Btuh					
290 Btuh					
1159 Btuh					
515 Btuh					
515 Btuh					
515 Btuh					
2897 Btuh					
428 Btuh					
1738 Btuh					
322 Btuh					
9634 Btuh					
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1994	3.3	6547 Btuh
Wall Total			1994		6547 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Adjacent		20	12.9	259 Btuh
3	Insulated - Exterior		60	12.9	777 Btuh
Door Total			100		1295 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic(D/Shln)	30.0	2652	1.2	3125 Btuh
Ceiling Total			2652		3125 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	295.0 ft(p)	43.7	12880 Btuh
Floor Total			295		12880 Btuh
Zone Envelope Subtotal:					33462 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.66	23151	254.7	10315 Btuh
Ductload	Average sealed, R8.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				43797 Btuh

Residential Window Diversity

MidSummer

Murkerson Residence
829 SW Feather Lane
Fort White, FL 32038-

Project Title:
701152HighSpringsConstruction

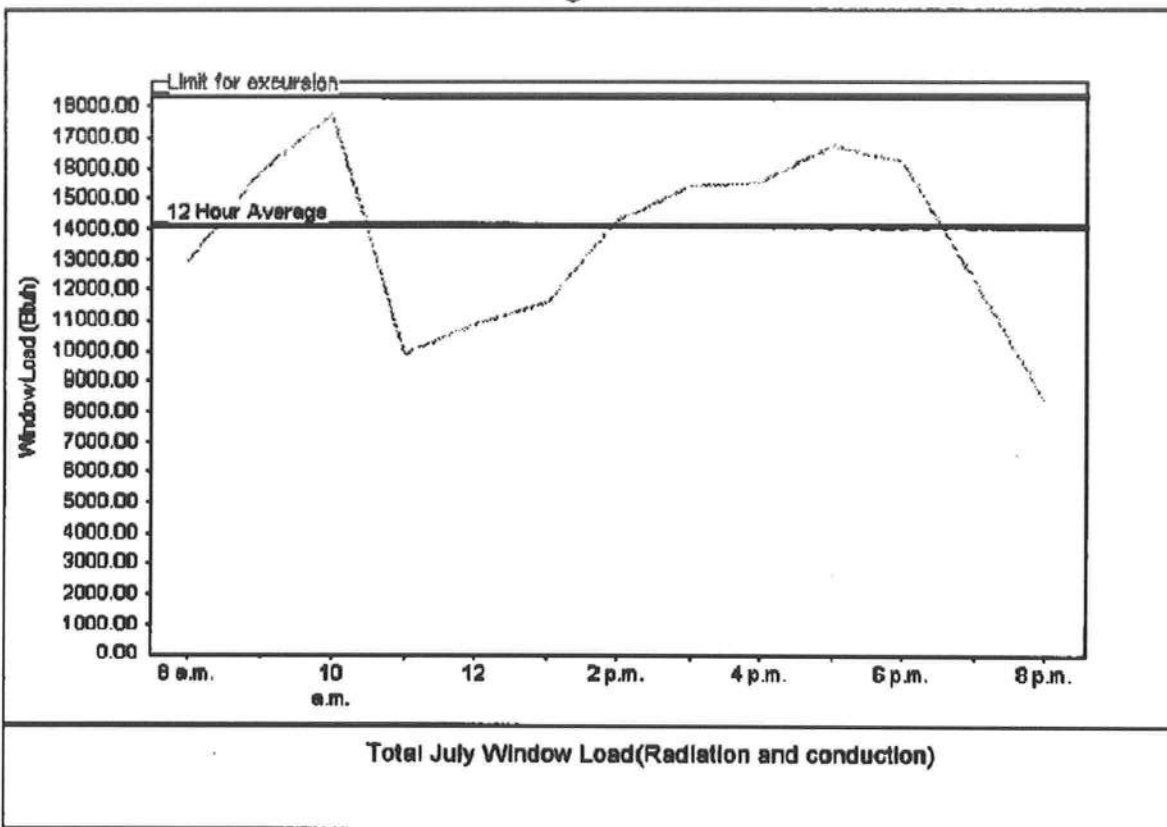
Class 3 Rating
Registration No. 0
Climate: North

4/25/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	14124 Btu
Summer setpoint	75 F	Peak window load for July	17744 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	18381 Btu
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



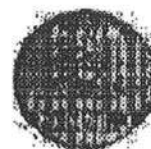
The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: *[Signature]*

DATE: 4-25-07

EnergyGauge® FLR2PB v4.1



Manual J Summer Calculations

Residential Load - Component Details (continued)

Murkerson Residence
829 SW Feather Lane
Fort White, FL 32038-

Project Title:
701152HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

4/25/2007

Whole House Totals

Whole House Totals for Cooling	Sensible Envelope Load All Zones	30361 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	30361 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	30361 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4794 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5994 Btuh
	TOTAL GAIN	36355 Btuh

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

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

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

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

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

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

(Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Murkerson Residence
629 SW Feather Lane
Fort White, FL 32038-

Project Title:
701152HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 316 degrees.

4/25/2007

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/S		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	19ft.	7ft.	30.0	0.0	30.0	29	60	1801	Btuh
2	2, Clear, 0.87, None,N,N	SW	99ft.	5ft.	9.0	0.0	0.0	29	63	261	Btuh
3	2, Clear, 0.87, None,N,N	NW	8ft.	6ft.	9.0	0.0	9.0	29	60	540	Btuh
4	2, Clear, 0.87, None,N,N	NE	1.6ft.	8ft.	36.0	0.0	36.0	29	60	2161	Btuh
5	2, Clear, 0.87, None,N,N	E	1.5ft.	6ft.	16.0	0.0	16.0	29	60	1272	Btuh
6	2, Clear, 0.87, None,N,N	SE	1.5ft.	6ft.	16.0	2.1	13.9	29	63	930	Btuh
7	2, Clear, 0.67, None,N,N	S	1.5ft.	6ft.	16.0	16.0	0.0	29	34	463	Btuh
8	2, Clear, 0.87, None,N,N	SE	1.6ft.	8ft.	80.0	7.8	82.2	29	63	5364	Btuh
9	2, Clear, 0.67, None,N,N	SE	4.5ft.	8.66	13.3	11.1	2.2	29	63	458	Btuh
10	2, Clear, 0.87, None,N,N	SW	1.5ft.	8ft.	54.0	4.7	49.3	29	63	3219	Btuh
11	2, Clear, 0.87, None,N,N	SW	1.6ft.	4ft.	10.0	2.8	7.4	29	63	538	Btuh
Window Total					299 (sqft)					17009 Btuh	
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load			
1	Frame - Wood - Ext	13.0/0.09		1993.7		2.1		4158 Btuh			
Wall Total				1994 (sqft)				4158 Btuh			
Doors	Type			Area (sqft)		HTM		Load			
1	Insulated - Exterior			20.0		9.8		196 Btuh			
2	Insulated - Adjacent			20.0		9.8		196 Btuh			
3	Insulated - Exterior			60.0		9.8		588 Btuh			
Door Total				100 (sqft)				980 Btuh			
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load			
1	Vented Attic/DarkShingle	30.0		2652.3		1.7		4392 Btuh			
Ceiling Total				2652 (sqft)				4392 Btuh			
Floors	Type	R-Value		Size		HTM		Load			
1	Slab On Grade	0.0		295 (ft(p))		0.0		0 Btuh			
Floor Total				295.0 (sqft)				0 Btuh			
Zone Envelope Subtotal:									26540 Btuh		
Infiltration	Type	ACH		Volume(cuft)		CFM=		Load			
	Sensible/Natural	0.34		23151		131.2		2442 Btuh			
Internal gain	Occupants		Btuh/occupant		Appliance		Load				
	6		X 230		+		0		1380 Btuh		
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
Sensible Zone Load									30361 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Murkerson Residence
820 SW Feather Lane
Fort White, FL 32038-

Project Title:
701152HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

4/25/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	30361 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	30361 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	30361 Btuh
	Latent Infiltration gain (for 54 gr. humidity difference)	4794 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5994 Btuh
	TOTAL GAIN	36355 Btuh

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

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

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

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

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

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

(Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Murkerson Residence
829 SW Feather Lane
Fort White, FL 32038-

Project Title:
701152HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

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

4/25/2007

Component Loads for Whole House

Window	Type*	Omt	Overhang		Window Area(sqft)			HTM		Load		
	Pv/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, 0.87, None,N,N	NW	19ft.	7ft.	30.0	0.0	30.0	29	60	1801	Btuh	
2	2, Clear, 0.87, None,N,N	SW	99ft.	5ft.	9.0	9.0	0.0	29	63	281	Btuh	
3	2, Clear, 0.87, None,N,N	NW	8ft.	5ft.	9.0	0.0	9.0	29	60	540	Btuh	
4	2, Clear, 0.87, None,N,N	NE	1.5ft.	8ft.	38.0	0.0	38.0	29	60	2181	Btuh	
5	2, Clear, 0.87, None,N,N	E	1.5ft.	6ft.	18.0	0.0	18.0	29	80	1272	Btuh	
6	2, Clear, 0.87, None,N,N	SE	1.5ft.	6ft.	18.0	2.1	13.9	29	63	930	Btuh	
7	2, Clear, 0.87, None,N,N	S	1.5ft.	6ft.	18.0	18.0	0.0	29	34	483	Btuh	
8	2, Clear, 0.87, None,N,N	SE	1.5ft.	8ft.	90.0	7.8	82.2	29	63	6384	Btuh	
9	2, Clear, 0.87, None,N,N	SE	4.5ft.	8.66	13.3	11.1	2.2	29	63	489	Btuh	
10	2, Clear, 0.87, None,N,N	SW	1.5ft.	8ft.	54.0	4.7	49.3	29	63	3219	Btuh	
11	2, Clear, 0.87, None,N,N	SW	1.5ft.	4ft.	10.0	2.6	7.4	29	63	538	Btuh	
Window Total					299 (sqft)					17009 Btuh		
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load				
1	Frame - Wood - Ext	13.0/0.09		1993.7		2.1		4158 Btuh				
Wall Total					1994 (sqft)				4158 Btuh			
Doors	Type			Area (sqft)		HTM		Load				
1	Insulated - Exterior			20.0		9.8		198 Btuh				
2	Insulated - Adjacent			20.0		9.8		198 Btuh				
3	Insulated - Exterior			80.0		9.8		688 Btuh				
Door Total					100 (sqft)				980 Btuh			
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load				
1	Vented Attic/DarkShingle	30.0		2852.3		1.7		4392 Btuh				
Ceiling Total					2852 (sqft)				4392 Btuh			
Floors	Type	R-Value		Size		HTM		Load				
1	Slab On Grade	0.0		285 (ft(p))		0.0		0 Btuh				
Floor Total					295.0 (sqft)				0 Btuh			
Zone Envelope Subtotal:										26540 Btuh		
Infiltration	Type	ACH		Volume(cuft)		CFM=		Load				
	SensibleNatural	0.34		23151		131.2		2442 Btuh				
Internal gain	Occupants	8		Btuh/occupant		Appliance		Load				
				X 230 +		0		1380 Btuh				
Duct load	Average sealed, R8.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh		
Sensible Zone Load										30361 Btuh		

Manual J Winter Calculations

Residential Load - Component Details (continued)

Murkerson Residence
829 SW Feather Lane
Fort White, FL 32038-

Project Title:
701152HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

1/26/2007

HOUSE TOTAL

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	43797 Btuh 0 Btuh 43797 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 - Manual J Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Murkerson Residence
829 SW Feather Lane
Fort White, FL 32038-

Project Title:
701152HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

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

4/25/2007

Component Load Details - Room by Room					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	30.0	32.2	988 Btuh
2	2, Clear, Metal, 0.87	SW	9.0	32.2	290 Btuh
3	2, Clear, Metal, 0.87	NW	9.0	32.2	290 Btuh
4	2, Clear, Metal, 0.87	NE	36.0	32.2	1159 Btuh
5	2, Clear, Metal, 0.87	E	16.0	32.2	515 Btuh
6	2, Clear, Metal, 0.87	SE	16.0	32.2	515 Btuh
7	2, Clear, Metal, 0.87	S	16.0	32.2	515 Btuh
8	2, Clear, Metal, 0.87	SE	90.0	32.2	2897 Btuh
9	2, Clear, Metal, 0.87	SE	13.3	32.2	428 Btuh
10	2, Clear, Metal, 0.87	SW	54.0	32.2	1738 Btuh
11	2, Clear, Metal, 0.87	SW	10.0	32.2	322 Btuh
Window Total			299(sqft)		9834 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1994	3.3	6547 Btuh
Wall Total			1994		6547 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Adjacent		20	12.9	259 Btuh
3	Insulated - Exterior		60	12.9	777 Btuh
Door Total			100		1295 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2652	1.2	3125 Btuh
Ceiling Total			2652		3125 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	295.0 ft(p)	43.7	12880 Btuh
Floor Total			295		12880 Btuh
Zone Envelope Subtotal:					33482 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.66	23151	254.7	10315 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				43797 Btuh

Residential System Sizing Calculation

Summary

Murkerson Residence
829 SW Feather Lane
Fort White, FL 32038-

Project Title:
701152HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

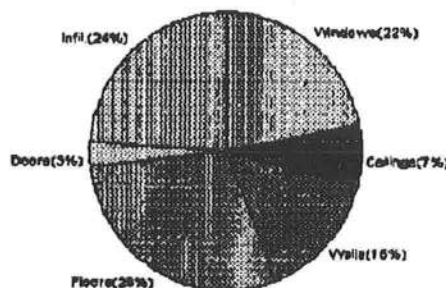
4/25/2007

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		Total cooling load calculation	
43797 Btuh		36366 Btuh	
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	116.4 51000	Sensible (SHR = 0.75)	126.0 38250
Heat Pump + Auxiliary(0.0kW)	116.4 51000	Latent	212.7 12750
		Total (Electric Heat Pump)	140.3 51000

WINTER CALCULATIONS

Winter Heating Load (for 2572 sqft)

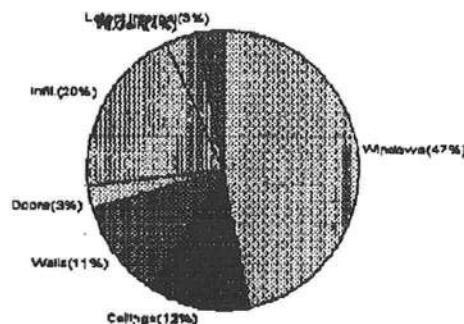
Load component		Load	
Window total	299 sqft	9634	Btuh
Wall total	1994 sqft	8547	Btuh
Door total	100 sqft	1295	Btuh
Ceiling total	2652 sqft	3125	Btuh
Floor total	295 sqft	12880	Btuh
Infiltration	255 cfm	10316	Btuh
Duct loss		0	Btuh
Subtotal		43797	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		43797	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2572 sqft)

Load component		Load	
Window total	299 sqft	17009	Btuh
Wall total	1994 sqft	4158	Btuh
Door total	100 sqft	980	Btuh
Ceiling total	2652 sqft	4392	Btuh
Floor total		0	Btuh
Infiltration	131 cfm	2442	Btuh
Internal gain		1380	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		30361	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		4794	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		6994	Btuh
TOTAL HEAT GAIN		36366	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *[Signature]*

DATE: 4-25-07

EnergyGauge® FLR2PB v4.1

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 829 SW Feather Lane, Fort White, FL, 32038-

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 joist 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 spas & 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 attic: 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.	

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-03

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

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

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

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

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL.

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

Applicant	Plans Examiner	
☒	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☒	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☒	☐	<u>Site Plan including:</u> a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☒	☐	<u>Wind-load Engineering Summary, calculations and any details required</u> Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional.
☒	☐	<u>Elevations including:</u> a) All sides b) Roof pitch c) Overhang dimensions and detail with attic ventilation

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

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

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b) Wood frame wall

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

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N/A

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms
- h) Exhaust fans in bathroom

HVAC information

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

Disclosure Statement for Owner/Builder

***Notice Of Commencement Required Before Any Inspections Will Be Done
Private Potable Water

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N/A

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

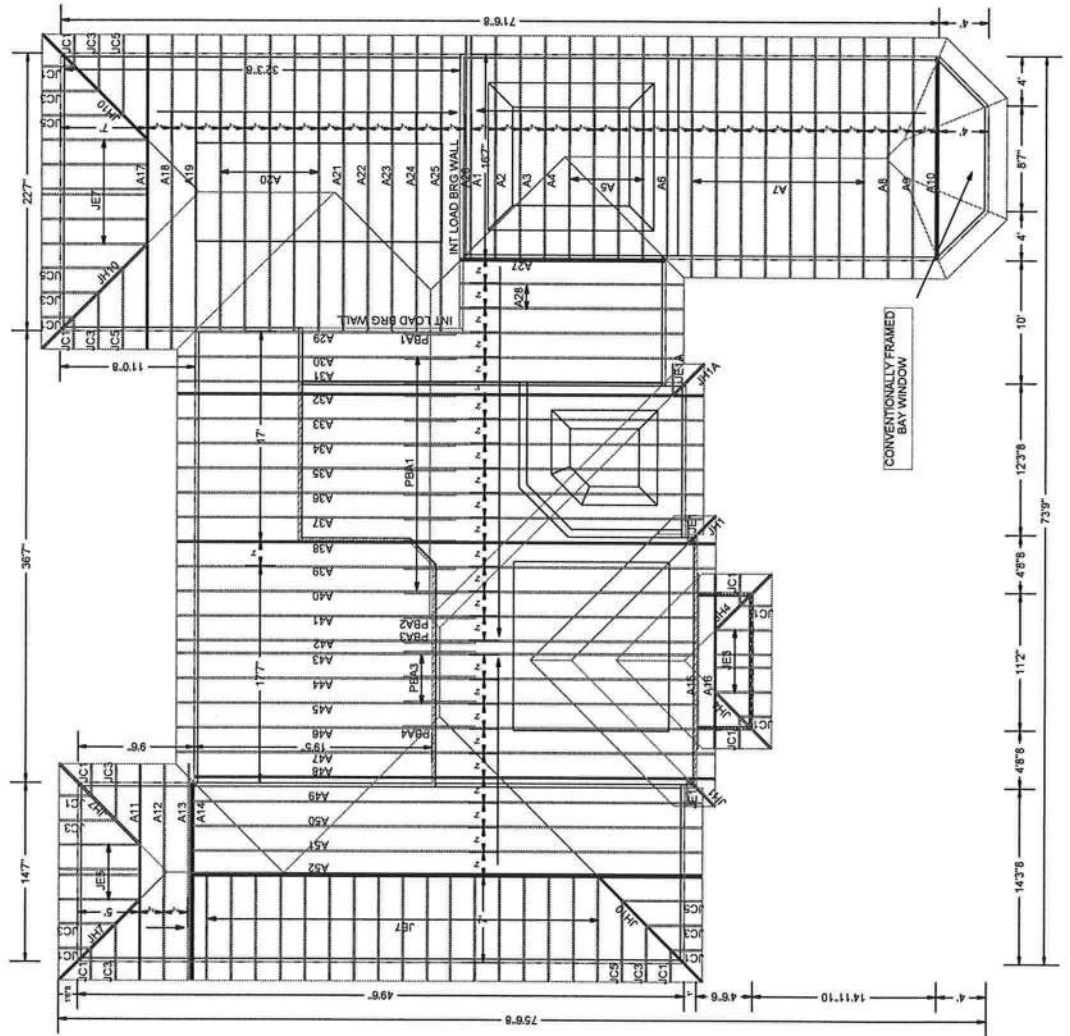
THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

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

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

W.B. Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (fax)

ROOF PITCH: 7/12
CLG PITCH: N/A
OVERHANG: 15" PLUMB CUT
LOADING: 40 PSF T.L./SHINGLE
WIND LOAD: 110 MPH/ENCLOSED
EXT WALLS: 2X4 FRAMING
DATE: 4-5-07



Job Name: High Springs Const./Murke
Customer: Contractor
Designer: Chris McCall

JOB NO:
4315

PAGE NO:
1 OF 1

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: IT6F215-Z0211163001

Truss Fabricator: W.B. Howland
Job Identification: 4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL
Truss Count: 69
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.25.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 32.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

Details: BRCLBSUB-CNBRGBLK-

Seal Date: 04/11/2007

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

#	Ref	Description	Drawing#	Date
1	82246--A1		07101018	04/11/07
2	82247--A2		07101019	04/11/07
3	82248--A3		07101020	04/11/07
4	82249--A4		07101021	04/11/07
5	82250--A5		07101022	04/11/07
6	82251--A6		07101005	04/11/07
7	82252--A7		07101006	04/11/07
8	82253--A8		07101007	04/11/07
9	82254--A9		07101008	04/11/07
10	82255--A10		07101023	04/11/07
11	82256--A11		07101024	04/11/07
12	82257--A12		07101009	04/11/07
13	82258--A13		07101010	04/11/07
14	82259--A14		07101076	04/11/07
15	82260--A15		07101011	04/11/07
16	82261--A16		07101025	04/11/07
17	82262--A17		07101026	04/11/07
18	82263--A18		07101012	04/11/07
19	82264--A19		07101027	04/11/07
20	82265--A20		07101028	04/11/07
21	82266--A21		07101029	04/11/07
22	82267--A22		07101030	04/11/07
23	82268--A23		07101031	04/11/07
24	82269--A24		07101032	04/11/07
25	82270--A25		07101033	04/11/07
26	82271--A26		07101034	04/11/07
27	82272--A27		07101035	04/11/07
28	82273--A28		07101013	04/11/07
29	82274--A29		07101036	04/11/07
30	82275--A30		07101037	04/11/07
31	82276--A31		07101038	04/11/07
32	82277--A32		07101039	04/11/07
33	82278--A33		07101040	04/11/07
34	82279--A34		07101046	04/11/07
35	82280--A35		07101047	04/11/07
36	82281--A36		07101048	04/11/07

#	Ref	Description	Drawing#	Date
37	82282--A37		07101049	04/11/07
38	82283--A38		07101050	04/11/07
39	82284--A39		07101051	04/11/07
40	82285--A40		07101052	04/11/07
41	82286--A41		07101053	04/11/07
42	82287--A42		07101054	04/11/07
43	82288--A43		07101055	04/11/07
44	82289--A44		07101056	04/11/07
45	82290--A45		07101057	04/11/07
46	82291--A46		07101058	04/11/07
47	82292--A47		07101059	04/11/07
48	82293--A48		07101060	04/11/07
49	82294--A49		07101075	04/11/07
50	82295--A50		07101061	04/11/07
51	82296--A51		07101062	04/11/07
52	82297--A52		07101063	04/11/07
53	82298--JC1		07101064	04/11/07
54	82299--JC3		07101014	04/11/07
55	82300--JC5		07101002	04/11/07
56	82301--JE1		07101065	04/11/07
57	82302--JE1A		07101066	04/11/07
58	82303--JE3		07101015	04/11/07
59	82304--JE5		07101016	04/11/07
60	82305--JE7		07101017	04/11/07
61	82306--JH1		07101067	04/11/07
62	82307--JH1A		07101068	04/11/07
63	82308--JH4		07101069	04/11/07
64	82309--JH7		07101070	04/11/07
65	82310--JH10		07101001	04/11/07
66	82311--PBA1		07101071	04/11/07
67	82312--PBA2		07101072	04/11/07
68	82313--PBA3		07101073	04/11/07
69	82314--PBA4		07101074	04/11/07



(4315-/High Springs Const./Murke /Contractor

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

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

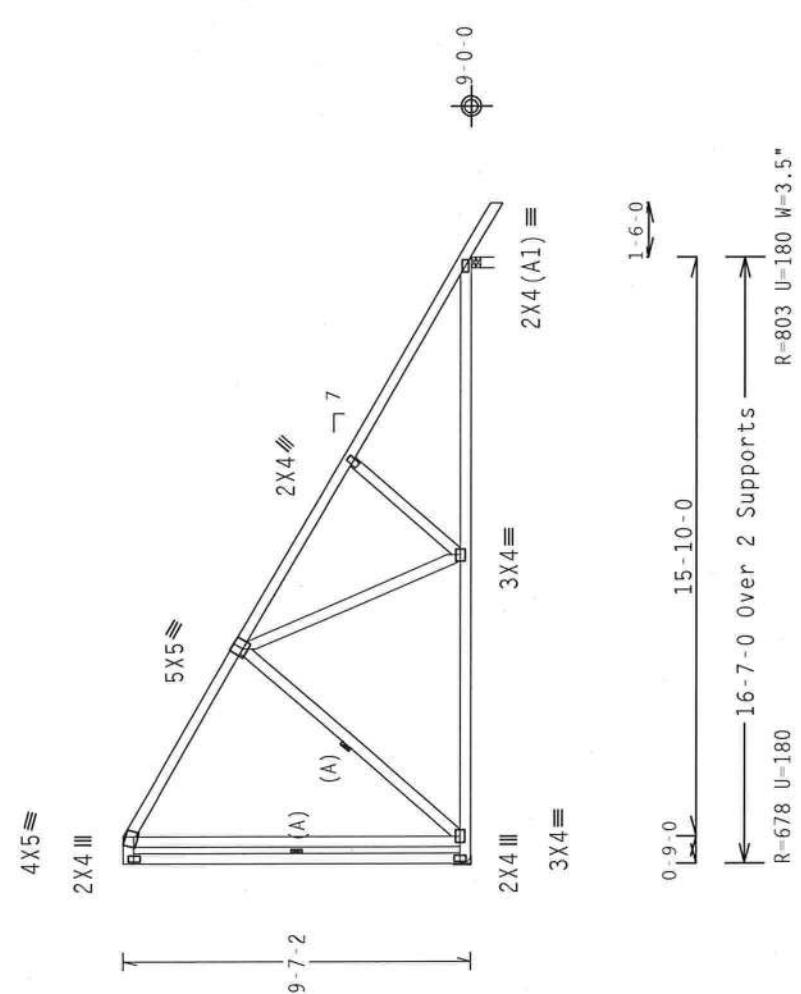
Deflection meets L/240 live and L/180 total load.

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

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 9-7-2.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave
PLT TYP. Wave
Design Crit:
Design Crit:
IPI-2002(SID)/FBC
Cg/RT=1.00(1.25)/10(0)
7.25.0503.00
QTY:1
FL/-5/-E/R/ Ft.
Scale =.1875"/Ft.

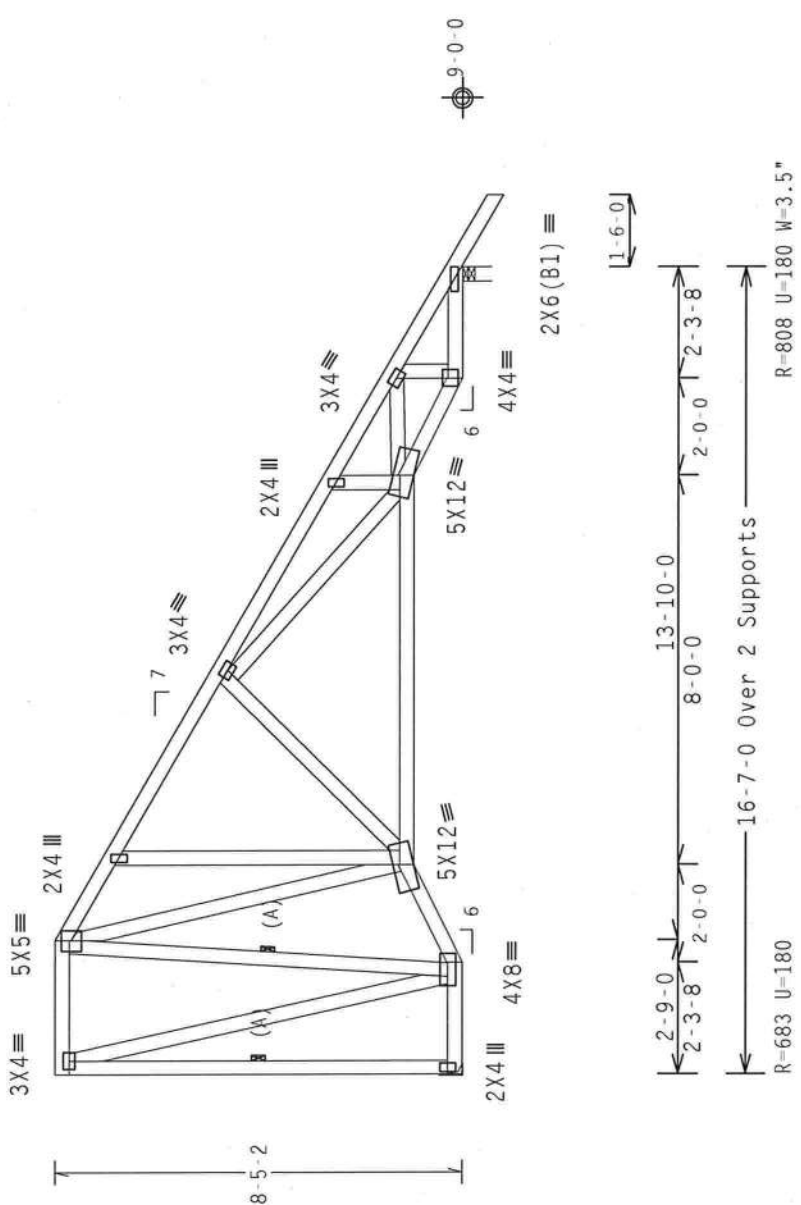
 ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY ITW (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (4000 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 SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN COORDINATES WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. 1TH BCG CORROSION PLATES ARE MADE OF 20/10/16GA (40/55/63) ASTM A563 GRADE 40/60 (K, K/H-S5) 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 ABX 43 OF TPI-2002 SEC.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.		 Appl		TC LL 20.0 PSF	REF R215 -- 82246
					TC DL 10.0 PSF	DATE 04/11/07		
					BC DL 10.0 PSF	DRW HCUSR215 07101018		
					BC LL 0.0 PSF	HC-ENG EC/WHK		
					TOT. LD. 40.0 PSF	SEQN- 154210		
					DUR.FAC. 1.25	FROM CDM		
					SPACING 24.0"	JREF- 1T6F215_Z02		

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

(A) Continuous lateral bracing equally spaced on member.

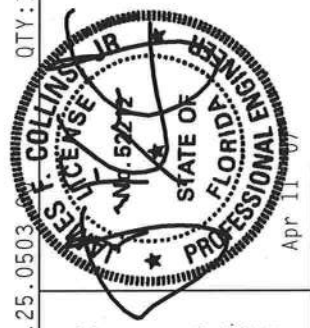
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 8-5-2.

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

Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R215--	82247
TC DL	10.0 PSF	DATE	04/11/07	
BC DL	10.0 PSF	DRW	HCUSR215 07101019	
BC LL	0.0 PSF	HC-ENG EC/WHK		
TOT.LD.	40.0 PSF	SEQN-	154205	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1T6F215_Z02	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE MANUFACTURER'S SPECIFICATIONS FOR THE PROPER USE OF THE TRUSS. ADVISE THE NORTH LEE STEEL, SUITE 312, ALEXANDRIA, VA. 22314 AND WIGA (WOOD) TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, SUITE 508, MI. 52719 FOR PROPER PRACTICES PRIOR TO GOOD TRUSS FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

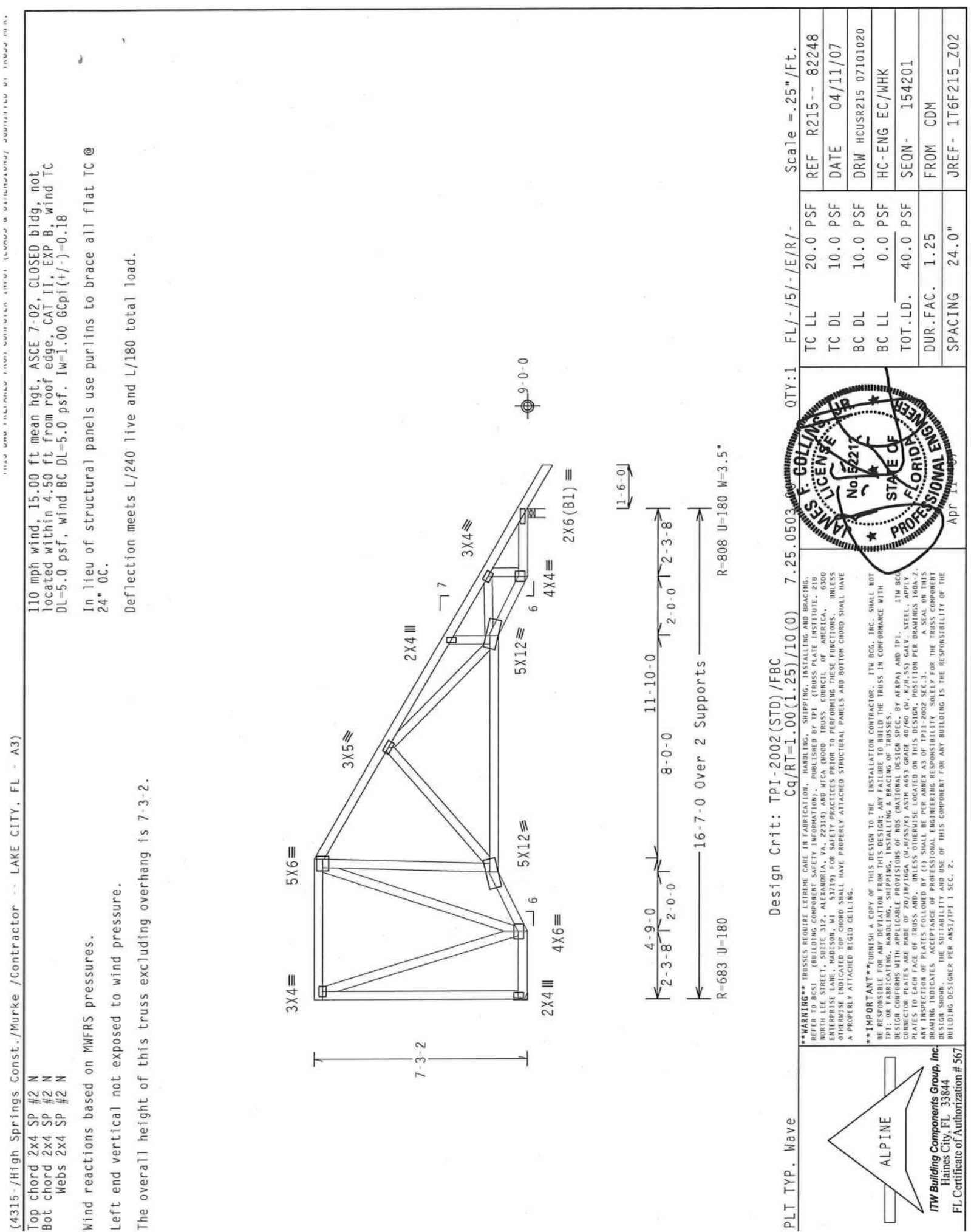
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P&A) AND TP1. 1TW BCG. CONNECTION PLATES ARE MADE OF 20X19/16GA 14-18/55S/K/53 ASTM A653 GRADE 40/60 (44- K/10-55) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A3 OF TP1-2002 SEC.3.

DRAINING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 SEC. 2.



ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 5610



(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - A3)

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

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 7-3-2.

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

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

Deflection meets L/240 live and L/180 total load.

THIS DRAW IS THE PROPERTY OF THE ENGINEER. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED ON THESE PLANS.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.25.0503

QTY: 1 FL/-/5/-/E/R/-

Scale = .25"/Ft.

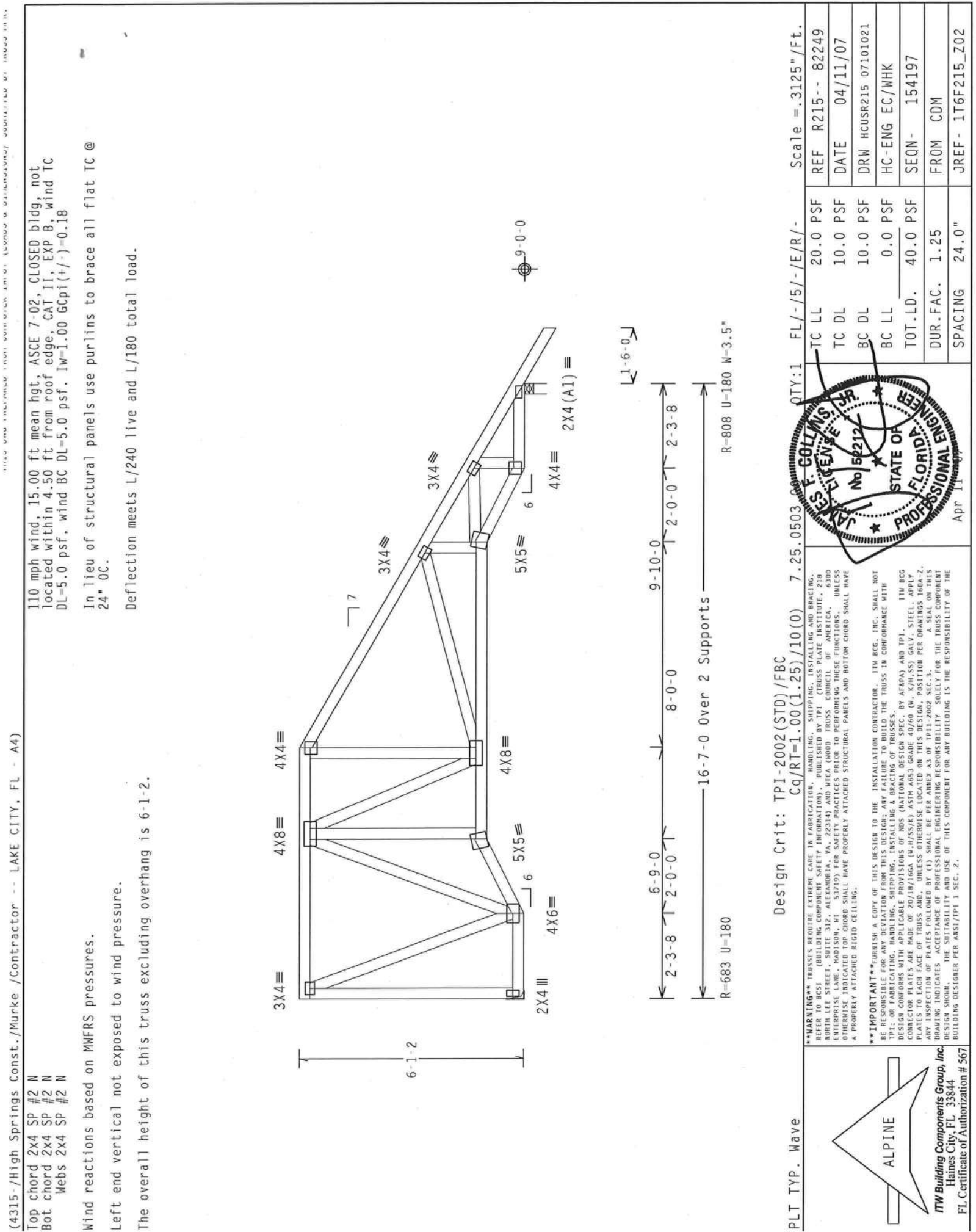
TC LL	20.0 PSF	REF R215-- 82248
TC DL	10.0 PSF	DATE 04/11/07
BC DL	10.0 PSF	DRW HCUSR215 07101020
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEON- 154201
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T6F215_Z02

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (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 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 2018/16GA (N-H/SS/2) 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 16GA-2. THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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



(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - A4)

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

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 6-1-2.

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

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

Deflection meets L/240 live and L/180 total load.

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503

PLT TYP. Wave

Scale = .3125"/Ft.

REF	R215--	82249
DATE	04/11/07	
DRW	HCUSR215	07101021
HC-ENG	EC/WHK	
SEQN-	154197	
FROM	CDM	
JREF-	1T6F215_Z02	

QTY: 1 FL/-/5/-/E/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"

APR 11 2007
F. COLLINS
P.E.
No. 56212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

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

Deflection meets L/240 live and L/180 total load.

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503

PLT TYP. Wave

Scale = .3125"/Ft.

REF	R215--	82249
DATE	04/11/07	
DRW	HCUSR215	07101021
HC-ENG	EC/WHK	
SEQN-	154197	
FROM	CDM	
JREF-	1T6F215_Z02	

QTY: 1 FL/-/5/-/E/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"

APR 11 2007
F. COLLINS
P.E.
No. 56212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

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

Deflection meets L/240 live and L/180 total load.

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503

PLT TYP. Wave

Scale = .3125"/Ft.

REF	R215--	82249
DATE	04/11/07	
DRW	HCUSR215	07101021
HC-ENG	EC/WHK	
SEQN-	154197	
FROM	CDM	
JREF-	1T6F215_Z02	

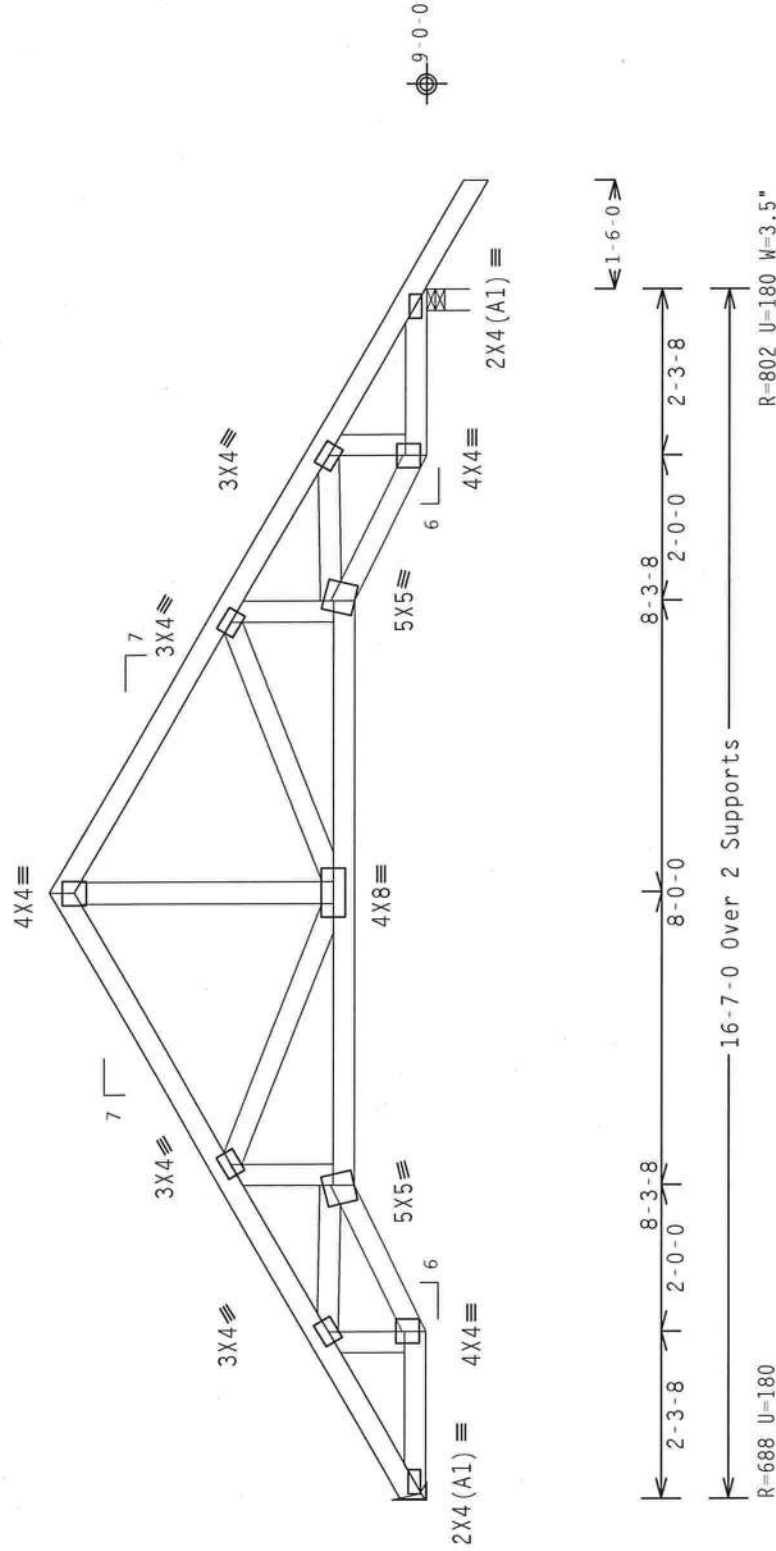
	Top	chord	2x4	SP	#2	N
	Bot	chord	2x4	SP	#2	N
		webs	2x4	SP	#2	N

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.

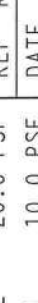
The overall height of this truss excluding overhang is 5-2-5.



Design Crit: TPI-2002(STD)/FBC

QTY:1 FL/-/5/-/E/R/- Scale = .375"/Ft.

PLT TYP. Wave

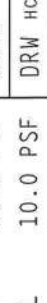


ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

****WARNING**** THUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BESI BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY ITW BUILDING COMPONENTS, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND VICA (WOOD TRUSS, COUNCIL OF AMERICA, (UNLESS ENTERPRISE LANE, MADISON, 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 TYPE OR FABRICATION, HANDLING, SHIPPING, INSTALLATION & BRACING OF THUSSES.

COORDINATE WITH ANY APPLICABLE PROVISIONS (NATIONAL DESIGN SPEC., BY AIA/PDA) AND TPT. STEEL BCG DESIGNATION PLATES, AND ANY APPLICABLE PROVISIONS (NATIONAL DESIGN SPEC., BY AIA/PDA) AND TPT. STEEL BCG DESIGNATION PLATES TO EACH FACE OF TRUSS AND BOTTOM CHORD. OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPT1-2002 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.



APR 1 2002

TC LL	20.0	PSF	REF	R215--	82250
TC DL	10.0	PSF	DATE	04/11/07	
BC DL	10.0	PSF	DRW	HCUSR215	07101022
BC LL	0.0	PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0	PSF	SEQN-	154191	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T6F215_Z02	

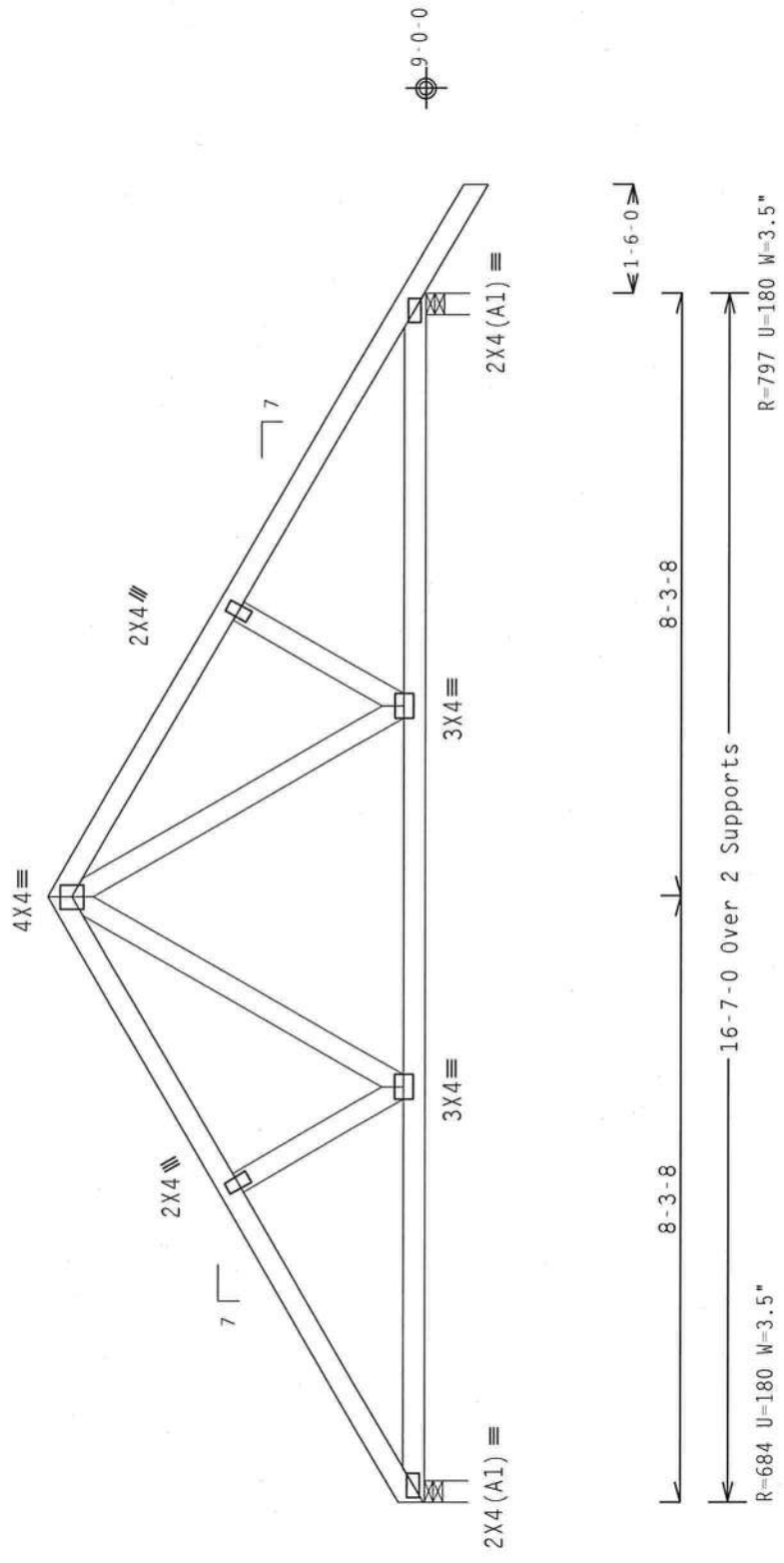
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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.

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 5-2-5.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503

QTY:1

FL/-/5/-/E/R/-

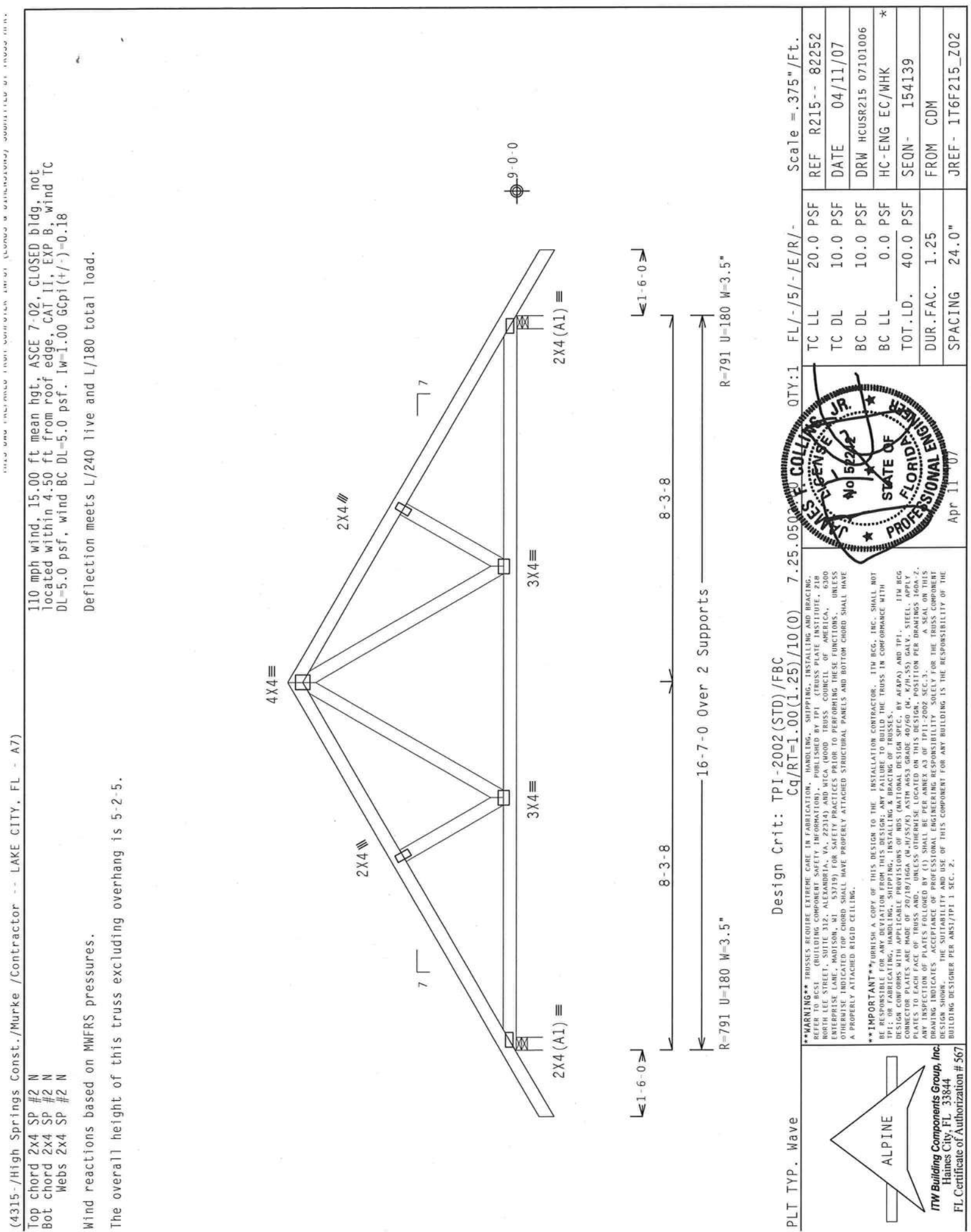
Scale = .375"/Ft.

TC LL	20.0 PSF	REF R215-- 82251
TC DL	10.0 PSF	DATE 04/11/07
BC DL	10.0 PSF	DRW HCUSR215 07101005
BC LL	0.0 PSF	HC-ENG EC/WHK *
TOT.LD.	40.0 PSF	SEON- 154142
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T6F215_Z02

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

****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 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.

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(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - A7)

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

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 5-2-5.

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

Deflection meets L/240 live and L/180 total load.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.05033 F. COLLINS JR. No 152242

Scale = .375"/Ft.

REF	R215--	82252
DATE	04/11/07	
DRW	HCUSR215	07101006
HC-ENG	EC/WHK	*
SEQN	154139	
FROM	CDM	
JREF	1T6F215_Z02	

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.05033 F. COLLINS JR. No 152242

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"	

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.05033 F. COLLINS JR. No 152242

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"	

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.05033 F. COLLINS JR. No 152242

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"	

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.05033 F. COLLINS JR. No 152242

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"	

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.05033 F. COLLINS JR. No 152242

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"	

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.05033 F. COLLINS JR. No 152242

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"	

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.05033 F. COLLINS JR. No 152242

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"	

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.05033 F. COLLINS JR. No 152242

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"	

(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - A8)

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

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 5'-0".

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

Deflection meets L/240 live and L/180 total load.

4x4=

2x4=

2x4=

4x8=

2x4 (A1) =

2x4 (A1) =

7

7

8-3-8

8-3-8

16-7-0 Over 2 Supports

R=791 U=180 W=3.5"

R=791 U=180 W=3.5"

9'-0-0

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503.00

Scale = .375"/Ft.

REF R215-- 82253
DATE 04/11/07
DRW HCUSR215 07101007
HC-ENG EC/WHK
SEQN- 154136
FROM CDM
JREF- 1T6F215_Z02

James F. Collins, P.E.
State of Florida
Professional Engineer
License No. 52612
April 1, 2012

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

ALPINE

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

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.25.0503.00

Scale = .375"/Ft.

REF R215-- 82253

DATE 04/11/07

DRW HCUSR215 07101007

HC-ENG EC/WHK

SEQN- 154136

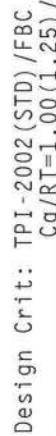
FROM CDM

JREF- 1T6F215_Z02

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, $I_w=1.00$ GCp1(+/-)=0.18

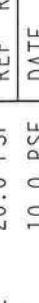
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 3-10-5.



0503

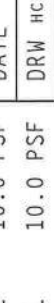
Scale = .375" / Ft.



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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO SOCIETY (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND HPCA (4000 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 IN BRACING, HANDLING, SHIPPING, INSTALLING AND BRACING SPECIFIED BY AFRPAQ AND TP1. ITW BCG DESIGN CONTRACTOR PLATES ARE MADE OF 20/18/16GA (10 JUS/1) ASTM A563 GRADE 40/60 (14, 8/10/55) 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 AREA A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



James L. Collins, Jr.
Professional Engineer
State of Florida
No. 52212

Apr 11 2007

TC LL	20.0	PSF	REF R215 - - 82254
TC DL	10.0	PSF	DATE 04/11/07
BC DL	10.0	PSF	DRW HCUR215 07101008
BC LL	0.0	PSF	HC-ENG EC/WHK *
TOT.LD.	40.0	PSF	SEQN- 154133
DUR.FAC.	1.25		FROM CDM
SPACING	24.0"		JREF- 1T6F215_Z02

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

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

Wind reactions based on MWFRS pressures.

Girder supports 4-0-0 span to TC/BC split one face.

Deflection meets L/240 live and L/180 total load.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)

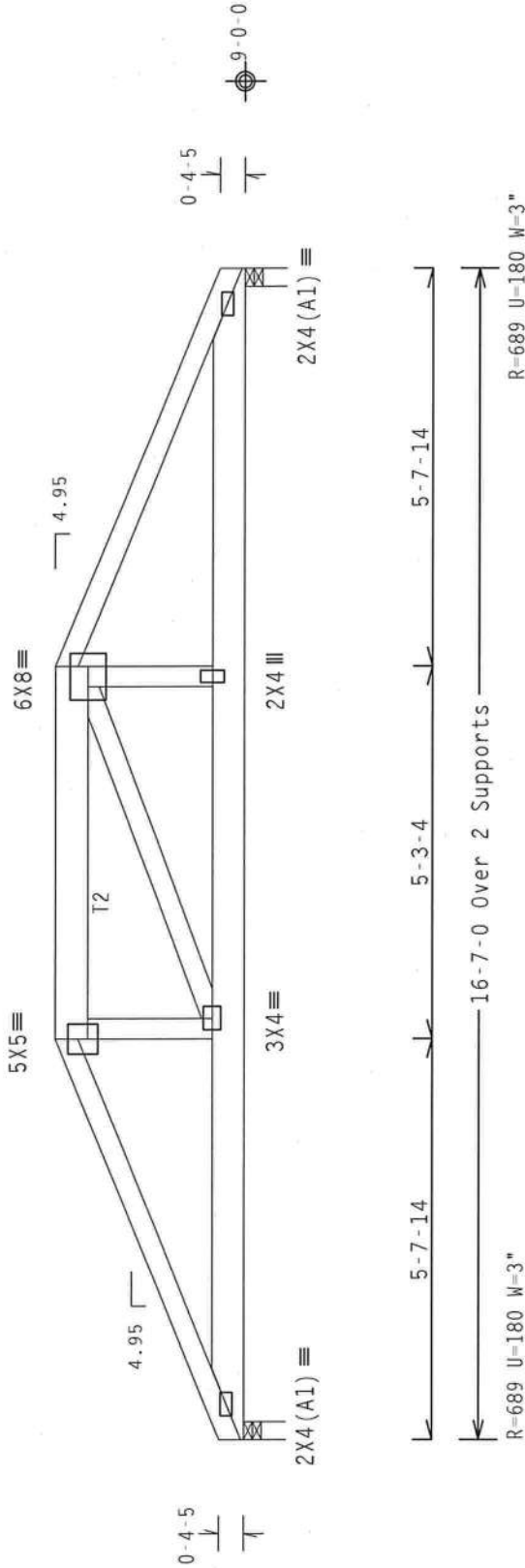
Top Chord: 1 Row @12.00" o.c.

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

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

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

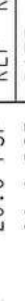
The overall height of this truss excluding overhang is 2-8-5.



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

QTY:1 FL/-/5/-/E/R/-
Scale =.375"/Ft.

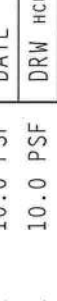
PLT TYP. Wave



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

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION, BRACING, REFER TO BC51. BRACING COMPONENT SAFETY INFORMATION. PUBLISHED BY ITPI (TRUSS PLATE INSTITUTE), 234 NORTH LEE STREET, SUITE 312, GAITHERSBURG, VA, 22134) AND WPCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, AL 35719). 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 THE DESIGN. THE TRUSS IN CONFORMANCE WITH ITPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF 905 NATIONAL DESIGN SPEC. BY AF&PA) AND TP1. 1TM BCG CONECTOR PLATES ARE MADE OF 20/18/16GA (W/SS/CS) ASTM A653 GRADE 40/60 (H, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE ANNOTED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



APR 1 2024

REF	R215--	82255	TC LL	20.0	PSF
DATE	04/11/07		TC DL	10.0	PSF
DRW	HCUR215	07101023	BC DL	10.0	PSF
	HC-ENG EC/WHK		BC LL	0.0	PSF
	SEQN-	154130	TOT. LD.	40.0	PSF
	FROM	CDM	DUR. FAC.	1.25	
	JREF-	1T6F215_Z02	SPACING	24.0"	

Top chord 2x4 SP #2 N : T2 2x6 SP #2 N :

Bot chord 2x6 SP #2 N

Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

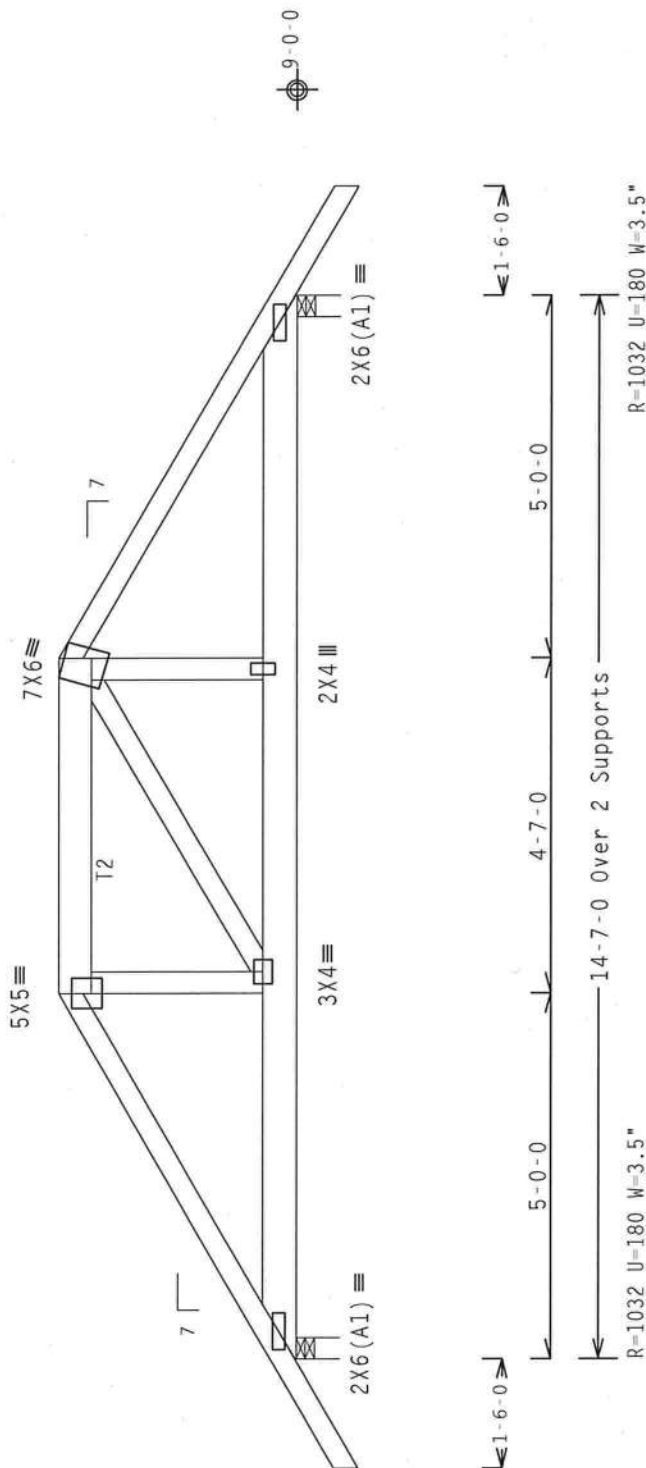
#1 hip supports 5-0-0 jacks with no webs.

The overall height of this truss excluding overhang is 3-3-5.

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

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

Deflection meets L/240 live and L/180 total load.

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

503.00

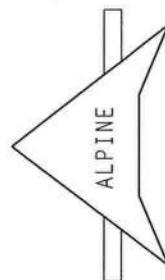
QTY:1 FL/-/5/-/E/R/-/

Scale = .375" / Ft.

TC LL	20.0	PSF	REF	R215 -	82256
TC DL	10.0	PSF	DATE	04/11/07	
BC DL	10.0	PSF	DRW	HCUSR215	07101024
BC LL	0.0	PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0	PSF	SEQN-	154145	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T6F215_Z02	



AD



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Haines City, FL 33844

Haines City, FL 33844
FL Certificate of Authorization # 567

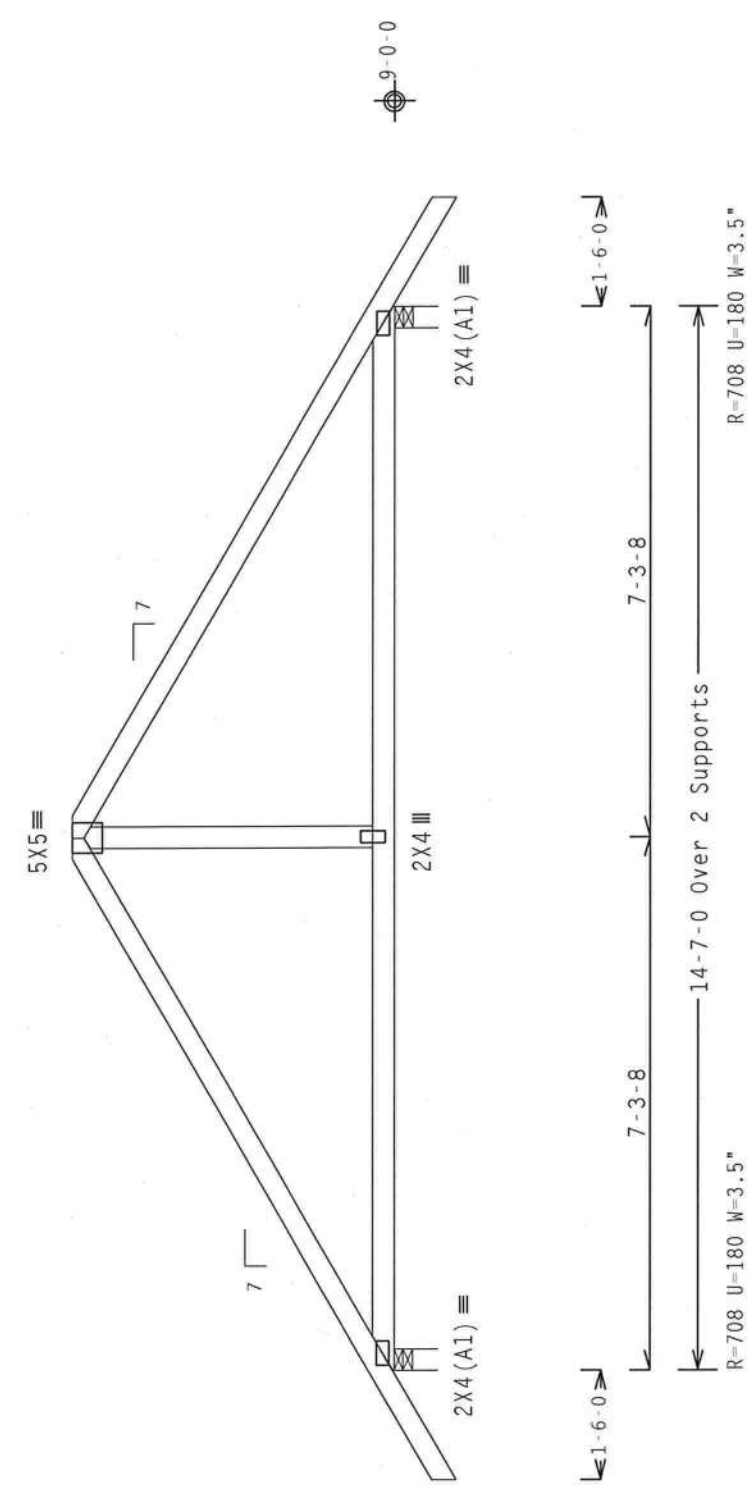
(4315- /High Springs Const./Murke /Contractor -- LAKE CITY, FL - A12)

Top chord	2x4	SP #2	N
Bot chord	2x4	SP #2	N
Webbs	2x4	SP #2	N

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

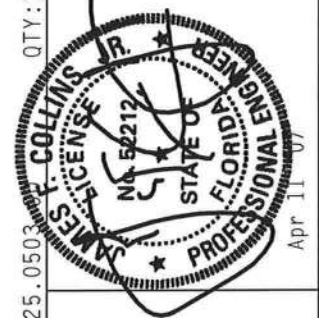
Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 4-5-5.



PLT TYP. Wave

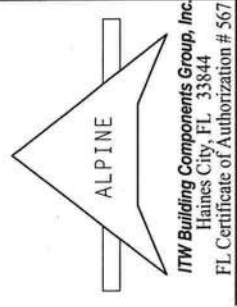
FL/-/5/-/E/R/-		Scale = .375"/Ft.
TC LL	20.0 PSF	REF R215-- 82257
TC DL	10.0 PSF	DATE 04/11/07
BC DL	10.0 PSF	DRW HCUSR215 07101009
BC LL	0.0 PSF	HC-ENG EC/WHK *
TOT.LD.	40.0 PSF	SEQN- 154184
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T6F215_Z02

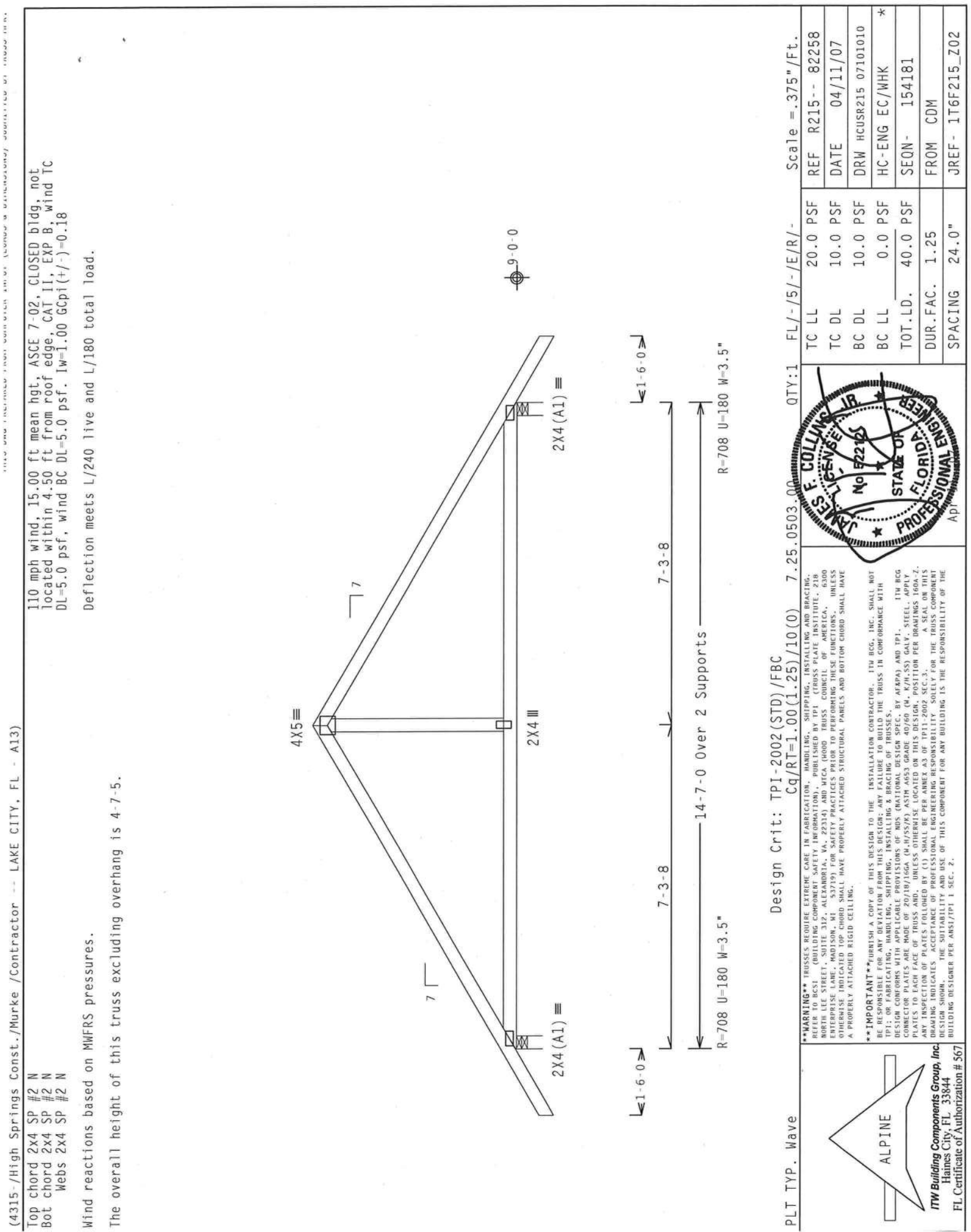


*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 RIVER LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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 CELLING.

*****IMPORTANT***** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. T1W BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS IN COMPLIANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE REQUIREMENTS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. T1W BCG CONNECTION PLATES ARE MADE OF 2010/16GA (0.0155X3) ASTM A653 GRADE 40/60 (N, K/PH-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 A3.1 D11-2002 SEC.3. A SEAL ON THE 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.





(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - A13)

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

Wind reactions based on MMFRS pressures.

The overall height of this truss excluding overhang is 4-7-5.

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

Deflection meets L/240 live and L/180 total load.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.25.0503.00

Scale = .375"/Ft.

	QTY:1		FL/-/5/-/E/R/-	Scale = .375"/Ft.
	TC LL	20.0 PSF	REF R215--	82258
	TC DL	10.0 PSF	DATE	04/11/07
	BC DL	10.0 PSF	DRW HCUSR215	07101010
	BC LL	0.0 PSF	HC-ENG EC/WHK	*
	TOT.LD.	40.0 PSF	SEQN-	154181
DUR.FAC.			1.25	FROM CDM
SPACING			24.0"	JREF- 1T6F215_Z02

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

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/PJA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/156A (4-H/55/K) ASTM A553 GRADE 40/60 (4, K/H, SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL OR THIS DESIGN SHALL BE REQUIRED. THE DESIGNER'S RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN THESE DETAILS AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

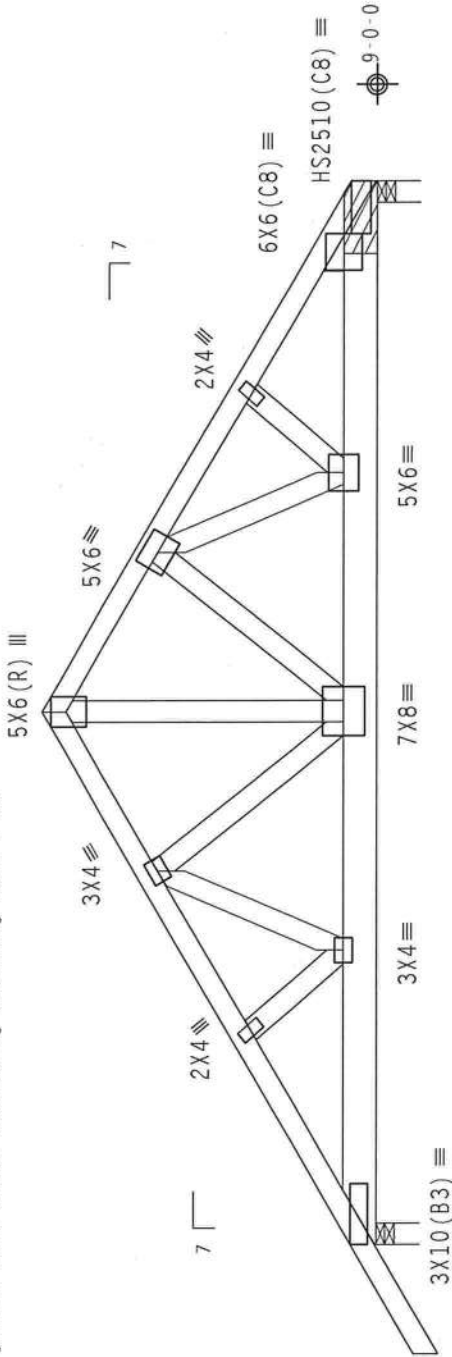
Top chord 2x4 SP #2 N
Bot chord 2x6 SP #5
Webs 2x4 SP #2 N
:Rt Wedge 2x4 SP #2 N:

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at -1.50 to 63 PLF at 7.29
TC - From 63 PLF at 7.29 to 63 PLF at 14.58
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 14.58
BC - 4208 LB Conc. Load at 7.13
BC - 1660 LB Conc. Load at 9.06, 11.06, 13.06

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

The overall height of this truss excluding overhang is 4-7-5.



14208#

1-6-0

7-3-8

7-3-8

14-7-0 Over 2 Supports

R=4043 U=180 W=3.5"

R=6459 U=379 W=3.5"

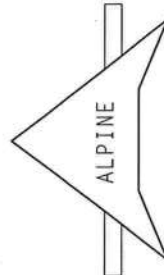
Design Crit: TPI-2002(STD)/FBC

Scale = .375"/Ft.

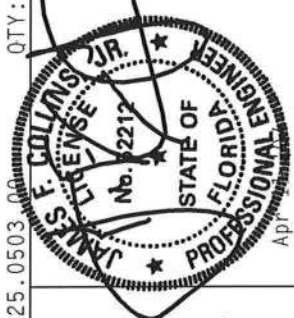
PLT TYP. 20 Gauge HS.Wave

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI, TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 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 AREA) AND TPI. ITM BCG CONNECTOR PLATES ARE MADE OF 2018/166A (4-H/55/S) ASTM A653 GRADE 40/50 (4, 6, 8, 10, 12) 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 AMERICAN TPI-2002 SEC.3.1. A SEAL OR THIS DESIGN SHALL BE REQUIRED FOR THE TRUSS COMPONENT. THE SUFFICIENCY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



QTY:1 FL/-/5/-/E/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 R215-- 82259
DATE 04/11/07
DRW HCUSR215 07101076
HC-ENG EC/WHK
SEQN- 154178
FROM CDM
JREF- 1T6F215_Z02

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
Top Chord: 1 Row @ 4.00" o.c.
Bot Chord: 2 Rows @ 5.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
Bearing blocks: Nail type: 0.131"x3" Gun_nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
2 14.292' 1 12" 5 Rigid Surface
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 for additional information.

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - A15)

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

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

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

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

The overall height of this truss excluding overhang is 2-11-2.

4X4 ≡ 4X6 ≡ 2X4 (A1) ≡ 2X4 ≡ 3X4 ≡ 2X4 ≡

7 7

11-0-0

1-6-0 4-4-14 2-4-4 4-4-14 1-6-0

11-2-0 Over 2 Supports

R=566 U=180 W=3.5" R=566 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

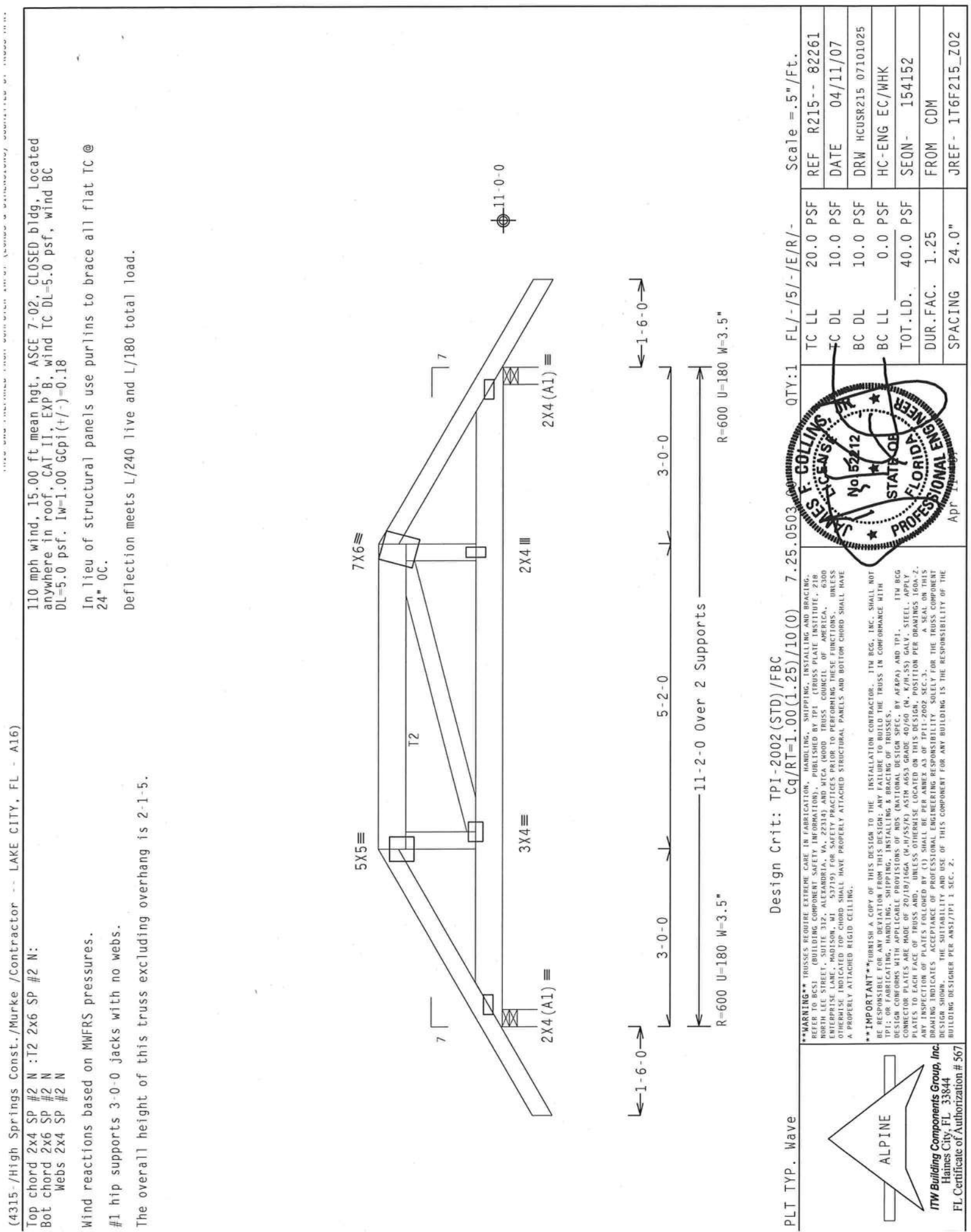
Cq/RT=1.00(1.25)/10(0) 7.25.0503

Scale = 5" / Ft.

REF	R215--	82260
DATE	04/11/07	
DRW	HCUSR215	07101011
HC-ENG	EC/WHK	*
SEQN-	154187	
FROM	CDM	
JREF-	1T6F215_Z02	

ALPINE

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(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - A16)

Top chord 2x4 SP #2 N : T2 2x6 SP #2 N :
Bot chord 2x6 SP #2 N :
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.
#1 hip supports 3-0-0 jacks with no webs.
The overall height of this truss excluding overhang is 2-1-5.

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
Deflection meets L/240 live and L/180 total load.

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503

PLT TYP. Wave

Scale = .5"/Ft.

QTY:1

FL/-/5/-/E/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 R215-- 82261

DATE 04/11/07

DRW HCUSR215 07101025

HC-ENG EC/WHK

SEQN- 154152

FROM CDM

JREF- 1T6F215_Z02

APR 11 2007

SALES F. COLLINS

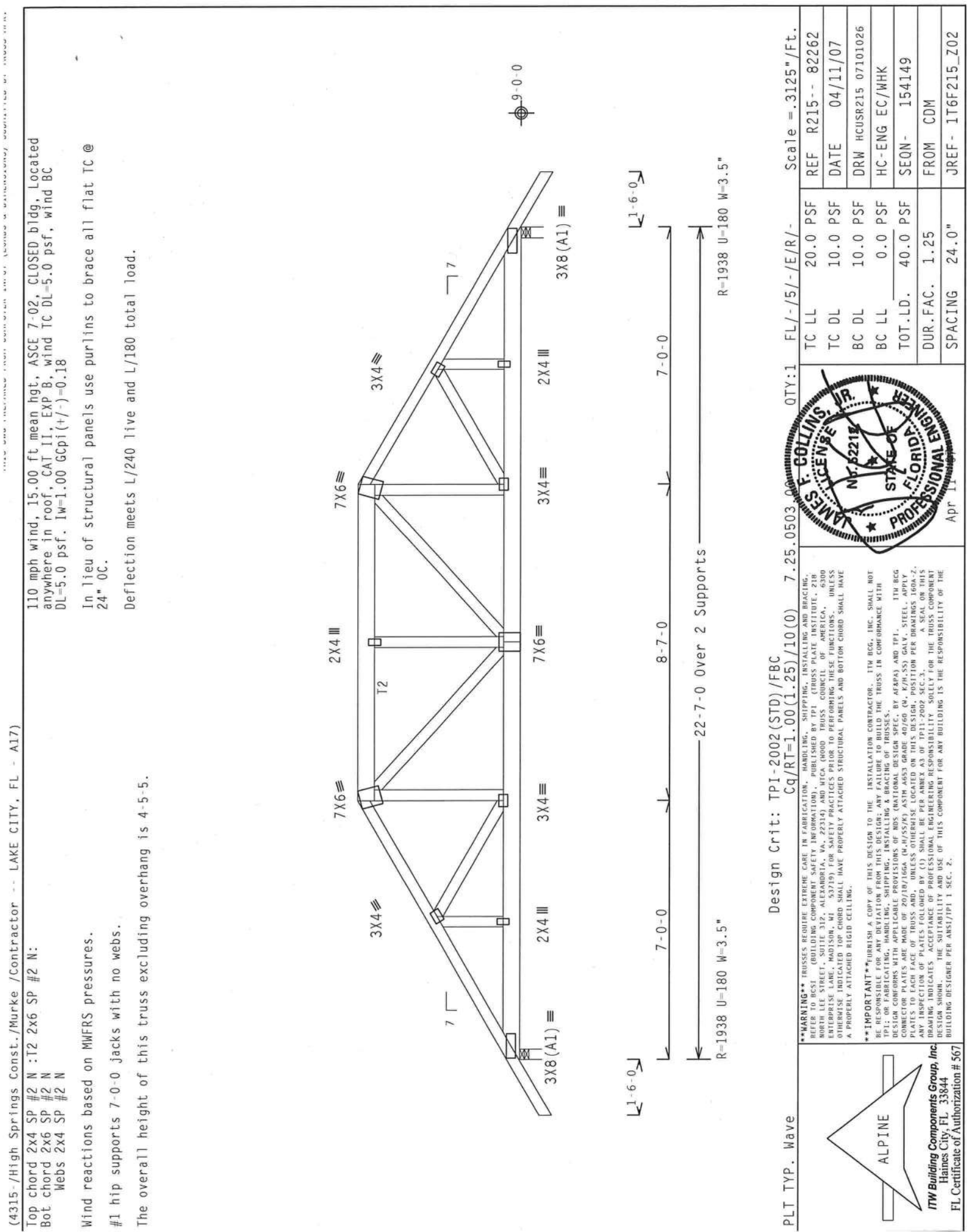
PROFESSIONAL ENGINEER

FLORIDA

STATE OF

NO 52212

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



(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - A17)		PLT TYP. Wave		Design Crit: TPI-2002(STD)/FBC		Scale = .3125"/Ft.	
Top chord 2x4 SP #2 N :T2 2x6 SP #2 N: Bot chord 2x6 SP #2 N Webs 2x4 SP #2 N		Qty:1		7.25.0503.00		REF R215-- 82262	
Wind reactions based on MWFRS pressures.		22-7-0 Over 2 Supports		Cq/RT=1.00(1.25)/10(0)		DATE 04/11/07	
#1 hip supports 7'-0-0 jacks with no webs.		R=1938 U=180 W=3.5"		7.25.0503.00		DRW HCUSR215 07101026	
The overall height of this truss excluding overhang is 4'-5-5."		R=1938 U=180 W=3.5"		7.25.0503.00		HC-ENG EC/WHK	
						SEQN- 154149	
						FROM CDM	
						JREF- 1T6F215_Z02	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEG, 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 CONFORMS WITH APPLICABLE PROVISIONS OF RDS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI-1. ITW BEG HAS CONDUCTED VISUAL INSPECTION OF THIS TRUSS AND FOUND IT TO BE IN CONFORMANCE WITH THE DESIGN. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 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 SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - A18)

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

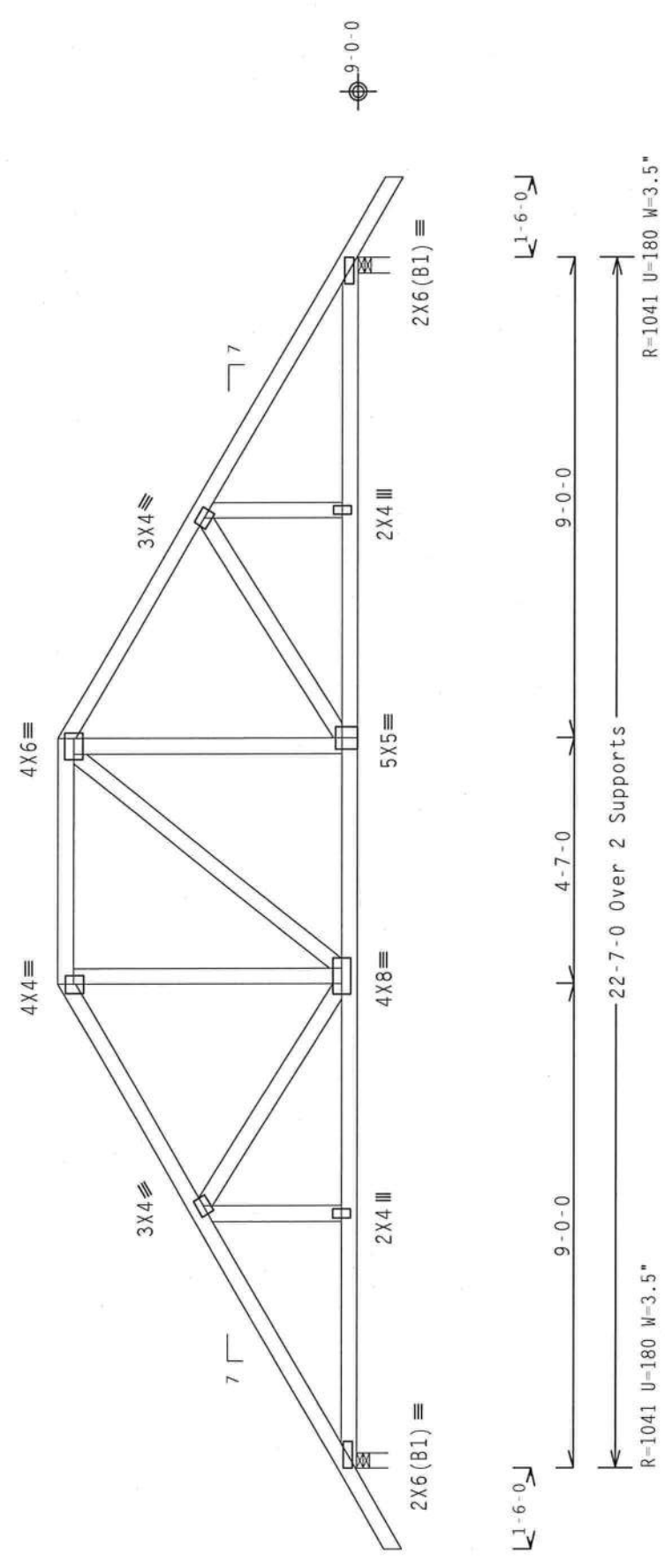
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

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

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

The overall height of this truss excluding overhang is 5-7-5.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503.00

PLT TYP. Wave	QTY:1	FL/-/5/-/E/R/-	Scale = .3125"/Ft.
	TC LL	20.0 PSF	REF R215-- 82263
	TC DL	10.0 PSF	DATE 04/11/07
	BC DL	10.0 PSF	DRW HCUSR215 07101012
	BC LL	0.0 PSF	HC-ENG EC/WHK
	TOT.LD.	40.0 PSF	SEQN- 154227
	DUR.FAC.	1.25	FROM CDM
	SPACING	24.0"	JREF- 1T6F215_Z02



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****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF RDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ITW BEG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SS/K) ASTM A653 GRADE 40/60 (4, 6/8, 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 INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE SEAL FOR THE TRUSS COMPONENT DESIGNER IS THE PROPERTY OF THE ENGINEER. THE SEAL FOR THE BUILDING DESIGNER IS THE PROPERTY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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	Top chord	2x4	SP	SS	N	:B3	2x4	SP	#2	N
Bot chord	2x6	SP	#2							
Webbs	2x4	SP	#2							

Wind reactions based on MWFRS pressures.

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

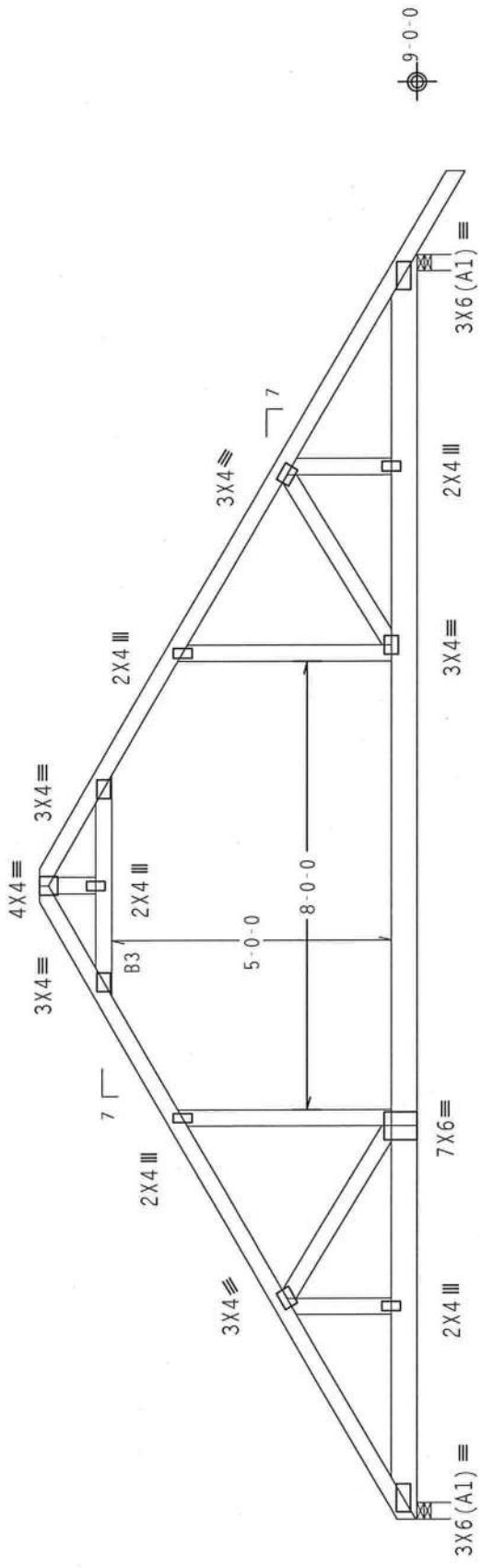
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1(+/-)=0.18

Calculated horizontal deflection is 0.14" due to live load and 0.19" due to dead load.

BC attic room floor loading: LL = 30.00 psf; DL = 5.00 psf; from 7-3-8 to 15-3-8.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 6-9-5.



11'-3"

9'-3"

11'-3"

13'-3"

22'-7" Over 2 Supports

R=1292 U=180 W=3.5"

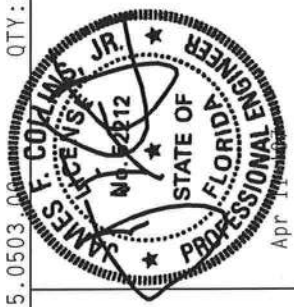
R=1402 U=180 W=3.5"

North Arrow

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

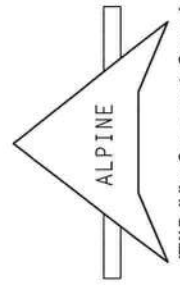
Scale = .3125" / Ft.

TC LL	20.0	PSF	REF	R215--	82264
TC DL	10.0	PSF	DATE	04/11/07	
BC DL	10.0	PSF	DRW	HCUSR215	07101027
BC LL	0.0	PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0	PSF	SEQN-	154239	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T6F215_Z02	



****WARNING**** *PROCESSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS COMPANY, INC., 10000 W. 11TH AVENUE, SUITE 200, CHRYSTAL LAKE, ILLINOIS 60015, TEL: 815/331-2180, NORTH LEE STREET, SUITE 1-2, ALEXANDRIA, VA 22304, TRUSS COMPANY, INC., 218 ENTERPRISE LANE, WILSON, NC 27157, 527/319, FOR SPECIFIC TRUSS COMBINATIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED PLIGED 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 TROSS IN CONFORMANCE WITH THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOST CURRENT DESIGN SPECIFIC (A, K/A/SS) AND TPT. 11TH BCG CONNECTOR PLATES ARE MADE OF 7010/116GA (W/25/XY) ASTM A653 GRADE 40/60 (W/ K/A/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 ANWER A3 OF TPT1-2002 SEC 3. A SEAL ON THIS DRAWING INDICATES THE SUFFICIENCY 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/TPT 1 SEC. 2.



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	Top	chord	2x4	SP	SS
Bot	chord	2x6	SP	#2	N
	Webs	2x4	SP	#2	N

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. $1w=1.00$ GCp1(+/-)=0.18

Wind reactions based on MWFRS pressures.

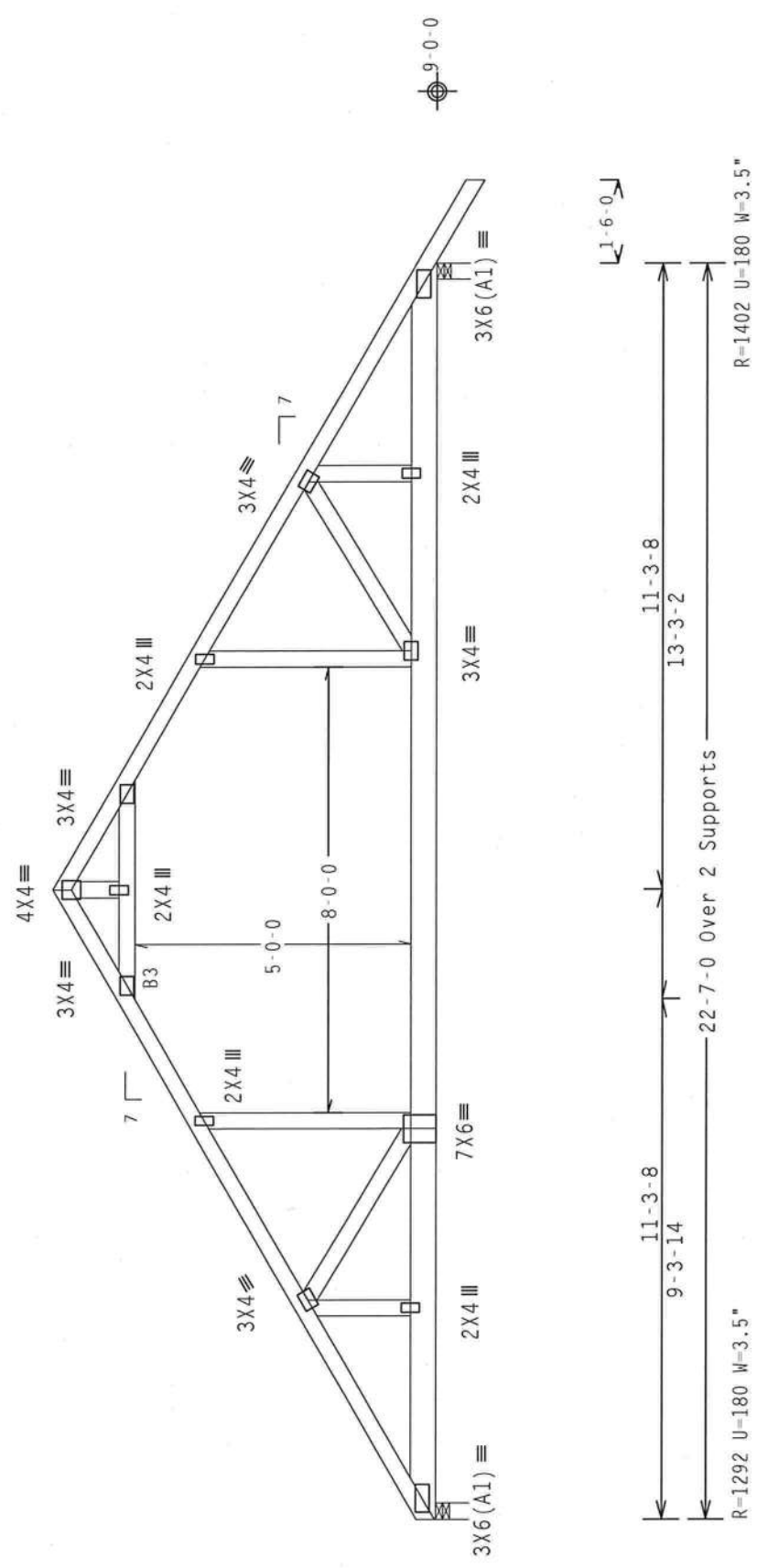
Calculated horizontal deflection is 0.14" due to live load and 0.19" due to dead load.

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

BC attic room floor loading: LL = 30.00 psf; DL = 5.00 psf; from 7-3-8 to 15-3-8.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 6-11-6.

[illegible]

Design Crit: TPI-2002(STD)/FBC

Run	Time	RT	Area	Area%	Height	Height%
1	1.00	1.00	1.00	1.00	1.00	1.00
2	1.25	1.25	1.25	1.25	1.25	1.25
3	1.50	1.50	1.50	1.50	1.50	1.50
4	1.75	1.75	1.75	1.75	1.75	1.75
5	2.00	2.00	2.00	2.00	2.00	2.00
6	2.25	2.25	2.25	2.25	2.25	2.25
7	2.50	2.50	2.50	2.50	2.50	2.50
8	2.75	2.75	2.75	2.75	2.75	2.75
9	3.00	3.00	3.00	3.00	3.00	3.00
10	3.25	3.25	3.25	3.25	3.25	3.25
11	3.50	3.50	3.50	3.50	3.50	3.50
12	3.75	3.75	3.75	3.75	3.75	3.75
13	4.00	4.00	4.00	4.00	4.00	4.00
14	4.25	4.25	4.25	4.25	4.25	4.25
15	4.50	4.50	4.50	4.50	4.50	4.50
16	4.75	4.75	4.75	4.75	4.75	4.75
17	5.00	5.00	5.00	5.00	5.00	5.00
18	5.25	5.25	5.25	5.25	5.25	5.25
19	5.50	5.50	5.50	5.50	5.50	5.50
20	5.75	5.75	5.75	5.75	5.75	5.75
21	6.00	6.00	6.00	6.00	6.00	6.00
22	6.25	6.25	6.25	6.25	6.25	6.25
23	6.50	6.50	6.50	6.50	6.50	6.50
24	6.75	6.75	6.75	6.75	6.75	6.75
25	7.00	7.00	7.00	7.00	7.00	7.00
26	7.25	7.25	7.25	7.25	7.25	7.25
27	7.50	7.50	7.50	7.50	7.50	7.50
28	7.75	7.75	7.75	7.75	7.75	7.75
29	8.00	8.00	8.00	8.00	8.00	8.00
30	8.25	8.25	8.25	8.25	8.25	8.25
31	8.50	8.50	8.50	8.50	8.50	8.50
32	8.75	8.75	8.75	8.75	8.75	8.75
33	9.00	9.00	9.00	9.00	9.00	9.00
34	9.25	9.25	9.25	9.25	9.25	9.25
35	9.50	9.50	9.50	9.50	9.50	9.50
36	9.75	9.75	9.75	9.75	9.75	9.75
37	10.00	10.00	10.00	10.00	10.00	10.00
38	10.25	10.25	10.25	10.25	10.25	10.25
39	10.50	10.50	10.50	10.50	10.50	10.50
40	10.75	10.75	10.75	10.75	10.75	10.75
41	11.00	11.00	11.00	11.00	11.00	11.00
42	11.25	11.25	11.25	11.25	11.25	11.25
43	11.50	11.50	11.50	11.50	11.50	11.50
44	11.75	11.75	11.75	11.75	11.75	11.75
45	12.00	12.00	12.00	12.00	12.00	12.00
46	12.25	12.25	12.25	12.25	12.25	12.25
47	12.50	12.50	12.50	12.50	12.50	12.50
48	12.75	12.75	12.75	12.75	12.75	12.75
49	13.00	13.00	13.00	13.00	13.00	13.00
50	13.25	13.25	13.25	13.25	13.25	13.25
51	13.50	13.50	13.50	13.50	13.50	13.50
52	13.75	13.75	13.75	13.75	13.75	13.75
53	14.00	14.00	14			

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST SELLING COMPONENT SAFETY INFORMATION. TRUSSES BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND METCA (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 BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS IN COMPLIANCE WITH THE DESIGN. THE TRUSS IN COMPLIANCE WITH THE DESIGN COMES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/ASCE) AND TPI. ITW BEG CORRECT PLATES ARE MADE OF 2010/16GA (H/25/35) ASTM A653 GRADE 40/60 (H./K/55) GALV., STEEL. APPLICABLE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DIMENSIONS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ABX 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 ANY BUILDING 1 SEC. 2.



SCALE = 1/8" = 1'-0"	REF R215 - 82265
DATE 04/11/07	
DRW HCUR215 07101028	
HC-ENG EC/WHK	
SEQN - 154231	
FROM CDM	
JREF - 1T6F215_Z02	

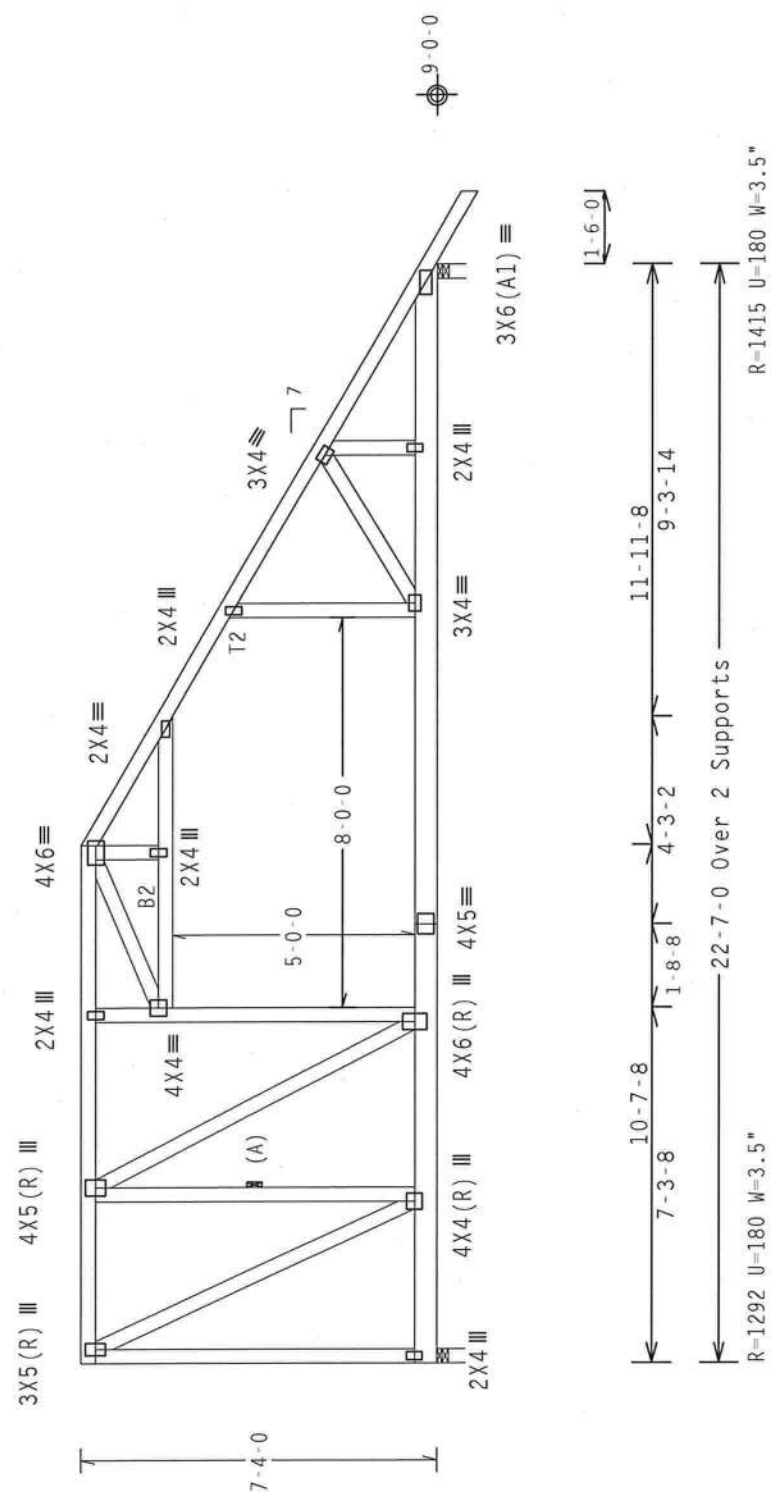
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Calculated horizontal deflection is 0.20" due to live load and 0.25" due to dead load.

Max JT VERT DEFL: LL: 0.43" DL: 0.45" recommended camber 3/4"
In lieu of structural panels use purlins to brace all flat TC @
24" OC.

BC attic room floor loading: LL = 30.00 psf; DL = 5.00 psf; from 7-3-8 to 15-3-8.

Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

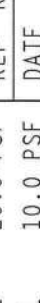
Cq/RT=1.00(1.25)/10(0)

7.25.0503.00

QTY:1

FL/-5/-E/R/-

Scale=.25"/Ft.



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Haines City, FL 33844

FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE 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 AND BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P3) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/186GA (W/H/55/K) ASTM A653 GRADE 40/60 (M, K/H/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



James F. Collins, Jr.
Professional Engineer
State of Florida
No. 52212

Apr 11 2008

TC LL	20.0	PSF	REF R215 -- 82266
TC DL	10.0	PSF	DATE 04/11/07
BC DL	10.0	PSF	DRW HCUSR215 07101029
BC LL	0.0	PSF	HC-ENG EC/WHK
TOT.LD.	40.0	PSF	SEQN- 154252
DUR.FAC.	1.25		FROM CDM
SPACING	24.0"		JREF- 1T6F215_Z02

	Top chord	2x4	SP #2	N :T2	2x4	SP SS:
Bot chord	2x6	SP SS	:B2	2x4	SP #2	N:
webs	2x4	SP #2	N :W6	2x4	SP SS:	

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

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

Calculated vertical deflection is 0.74" due to live load and 0.61" due to dead load at $X = 15-7-0$.

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

Calculated horizontal deflection is 0.38" due to live load and 0.37" due to dead load.

Max JT VERT DEFL: LL: 0.74" DL: 0.67" recommended camber 1 1/4"

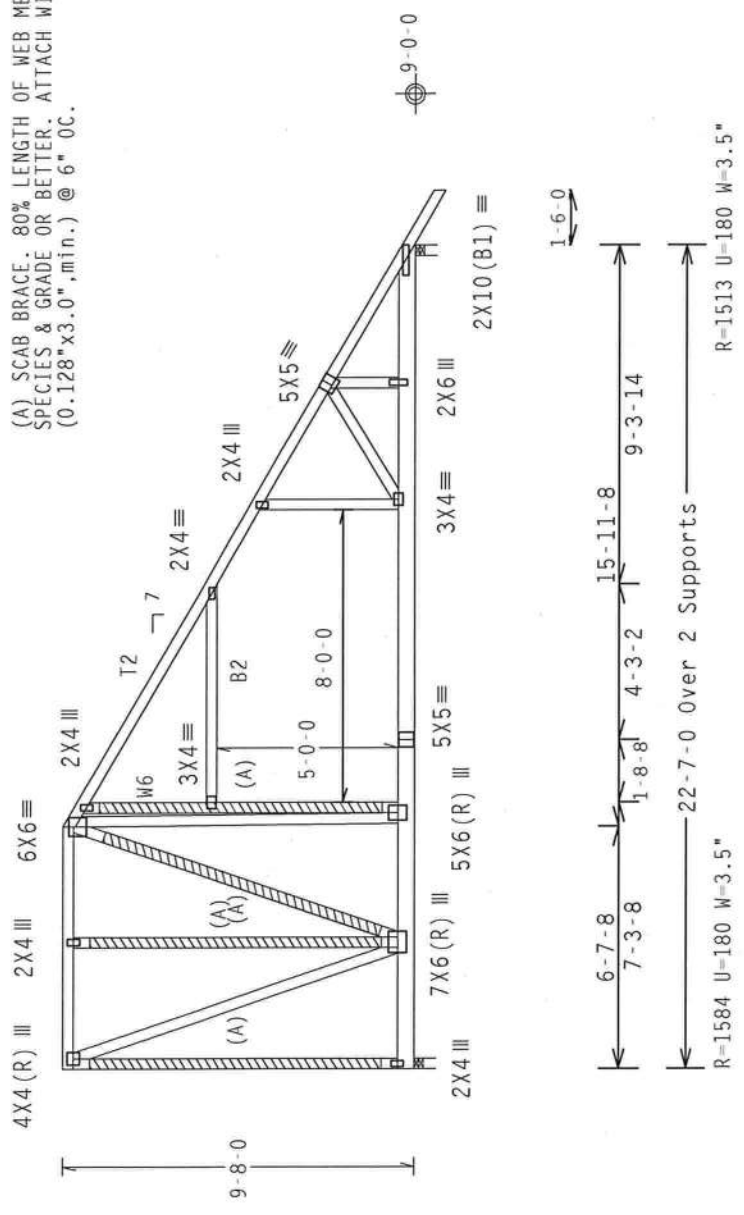
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

BC attic room floor loading: LL = 30.00 psf; DL = 5.00 psf; from 3-3-13 to 15-7-0.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 9-8-0.

(A) SCAB BRACE. 80% LENGTH OF WEB MEMBER. SAME SIZE, SPECIES & GRADE OR BETTER. ATTACH WITH 10d NAILS (0.128"x3.0", min.) @ 6" OC.

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

Scale = .1875" / Ft.

 ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization #567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP TRUSS COMPONENT SAFETY INFORMATION, PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 218 STREET, BUILDING 312, ALCANTARA, VA 22314) AND IBCA (GOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., SUITE 100, FORT WORTH, TEXAS 76116) FOR PROPER TRUSS HANDLING AND ERECTION. 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 AIA/PA) AND TP1. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (N/A/55/2K) ASTM A653 GRADE 40/60 (M, K/A/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 APPENDIX 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.	 APPROVED	TC LL 20.0 PSF	REF R215 -- 82268
			TC DL 10.0 PSF	DATE 04/11/07
			BC DL 10.0 PSF	DRW HCURS215 07101031
			BC LL 0.0 PSF	HC-ENG EC/WHK
			TOT.LD. 40.0 PSF	SEQN- 154265
	DUR.FAC. 1.25	FROM CDM		
	SPACING 24.0"	JREF- 1T6F215_Z02		

Top chord 2x4 SP #2 N : T2 2x4 SP SS : 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 2x6 SP SS : B2 2x4 SP #2 N :
Webs 2x4 SP #2 N : W5 2x4 SP SS :

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

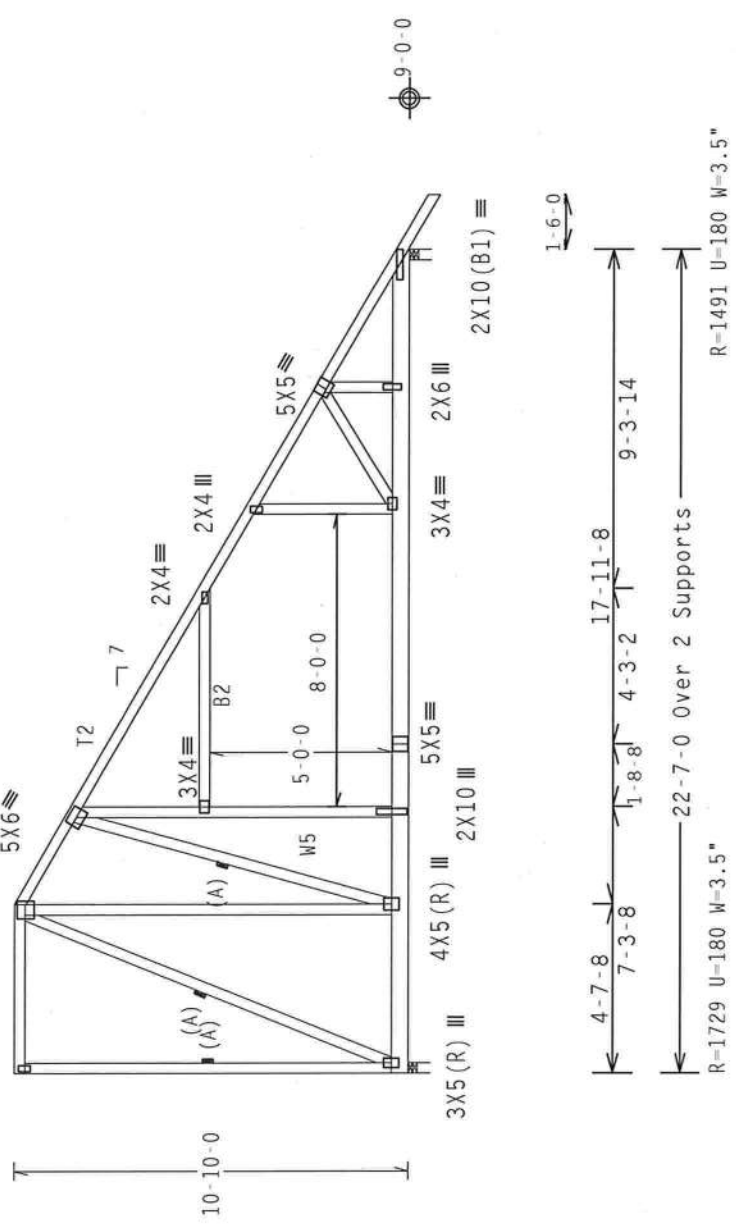
Calculated horizontal deflection is 0.43" due to live load and 0.32" due to dead load.

(A) Continuous lateral bracing equally spaced on member.

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

Calculated vertical deflection is 0.76" due to live load and 0.56" due to dead load at $x = 15.7-0$.

2X4 III
6X6 III
The overall height of this truss excluding overhang is 10-10-0.



PLT TYP. Wave

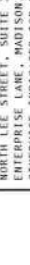
Design Crit: TPI-2002(STD)/FBC

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

QTY: 1

FL/-5/-E/R/-

Scale = .1875"/Ft.

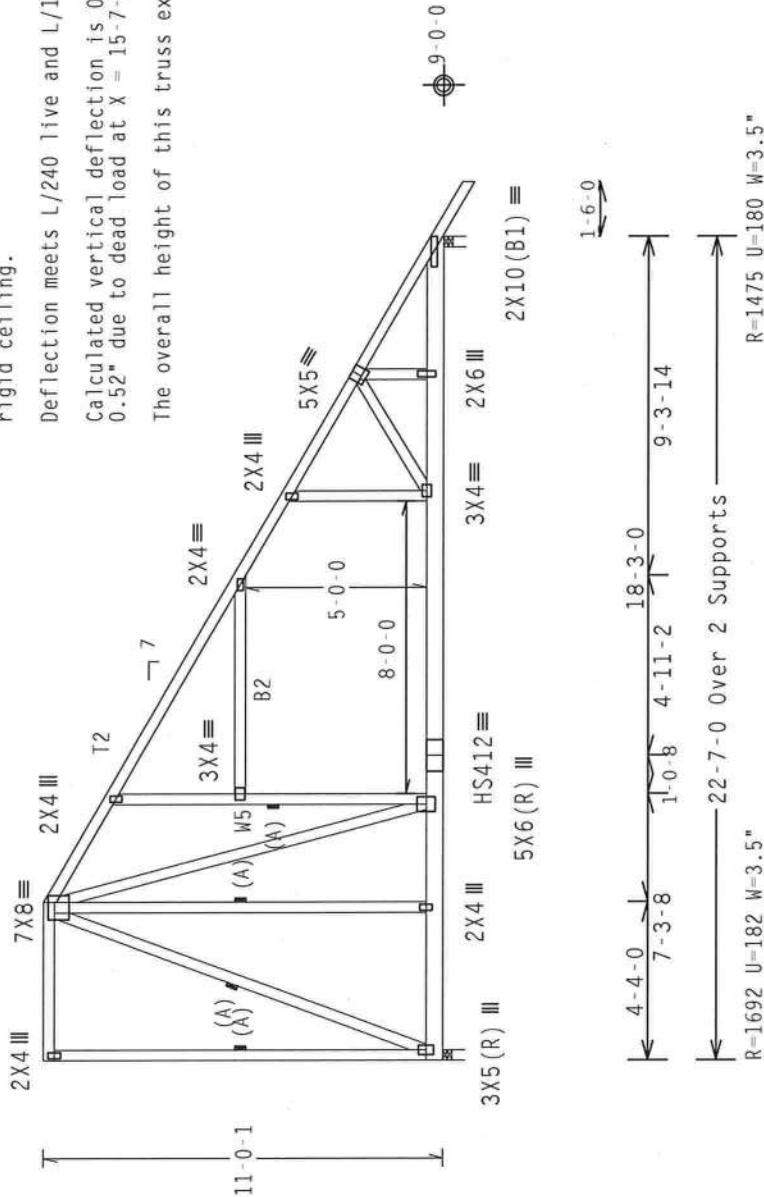
	ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY ITPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND UTCA (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 ITPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONNECTORS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/PFA) AND TPI. 1TH BCG CONNECTOR PLATES ARE MADE OF 2018/166GA (9/16/55/K) ASTM A653 GRADE 40/60 (IN, K/H-55) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.		TC LL	20.0	PSF	REF	R215--	82269
				TC DL	10.0	PSF	DATE	04/11/07	
				BC DL	10.0	PSF	DRW	HCUSR215	07101032
				BC LL	0.0	PSF	HC-ENG	EC/WHK	
				TOT.LD.	40.0	PSF	SEQN-	154270	
DUR.FAC.	1.25		FROM	CDM					
SPACING	24.0"		JREF-	1T6F215_Z02					

Top chord 2x4 SP #2 N :T2 2x4 SP SS:
Bot chord 2x6 SP SS :B2 2x4 SP #2 N:
Webs 2x4 SP #2 N :W5 2x4 SP SS:

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 4.04
TC - From 75 PLF at 4.04 to 75 PLF at 4.33
TC - From 75 PLF at 4.33 to 75 PLF at 7.29
TC - From 63 PLF at 7.29 to 63 PLF at 24.08
BC - From 20 PLF at 0.00 to 20 PLF at 0.29
BC - From 90 PLF at 0.29 to 90 PLF at 15.29
BC - From 20 PLF at 15.29 to 20 PLF at 22.58
BC - From 5 PLF at 22.58 to 5 PLF at 24.08
BC - 50 LB Conc. Load at 7.29, 15.29

Left end vertical not exposed to wind pressure.



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.

Calculated horizontal deflection is 0.41" due to live load and 0.29" due to dead load.

Max JT VERT DEFL: LL: 0.74" DL: 0.55" recommended camber 1"

(A) Continuous lateral bracing equally spaced on member.

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

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

Deflection meets L/240 live and L/180 total load.

Calculated vertical deflection is 0.74" due to live load and 0.52" due to dead load at X = 15'-7"-0.

The overall height of this truss excluding overhang is 11'-0"-1.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS.Wave

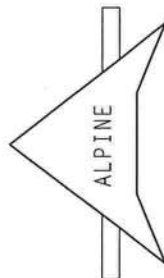
Cq/RT=1.00(1.25)/10(0)

Scale = .1875"/Ft.

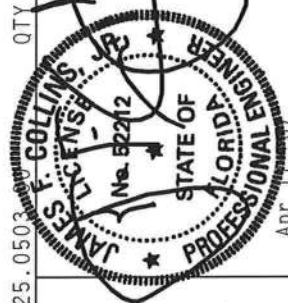
REF	R215--	82270
DATE	04/11/07	
DRW	HCUSR215	07101033
HC-ENG	EC/WHK	
SEQN-	154279	
FROM	CDM	
JREF-	1T6F215_Z02	

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND METAL DECK 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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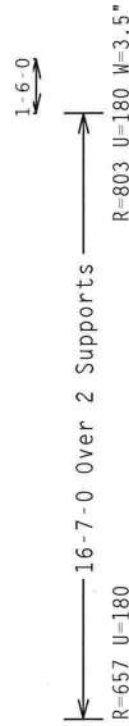
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



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

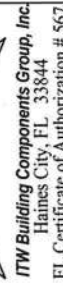
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.



7 25 0503  QTY: 1 FL / - 5 / - E / R / - Scale = .1875" / Ft.

TC LL	20.0	PSF	REF	R215--	82271
TC DL	10.0	PSF	DATE	04/11/07	
BC DL	10.0	PSF	DRW	HCUSR215	07101034
BC LL	0.0	PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0	PSF	SEQN-	154215	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T6F215	Z02



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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 16.79
BC - From 20 PLF at 0.00 to 20 PLF at 16.79
BC - 657 LB Conc. Load at 0.48
BC - 678 LB Conc. Load at 0.90
BC - 683 LB Conc. Load at 2.90, 4.90, 6.90
BC - 688 LB Conc. Load at 8.90, 10.90, 12.90, 14.90

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

2 COMPLETE TRUSSES REQUIRED

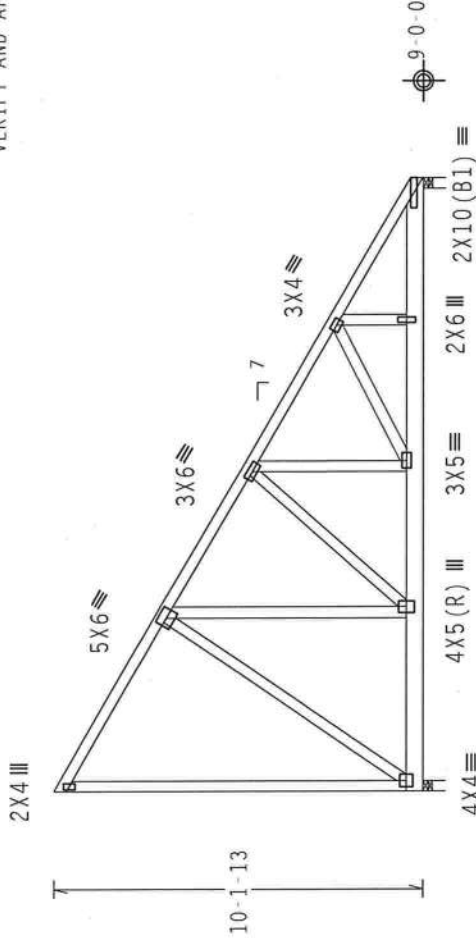
Nailing Schedule: (0.131"x3" Gun nails)
Top Chord: 1 Row @12.00" O.C.
Bot Chord: 1 Row @ 4.25" O.C.
Webs : 1 Row @ 4" O.C.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10'-1-14".

LOADING HAS BEEN CALCULATED BY THE TRUSS MANUFACTURER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO VERIFY AND APPROVE THE LOADING.



16'-9-8 Over 2 Supports
R=4202 U=561 W=3.5"
R=3328 U=312 W=3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

QTY: 1 FL/-/5/-/E/R/- Scale = .1875"/Ft.

TC LL	20.0 PSF	REF R215-- 82272
TC DL	10.0 PSF	DATE 04/11/07
BC DL	10.0 PSF	DRW HCUSR215 07101035
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEON- 154223
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T6F215_Z02



ALPINE

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

(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - A28)

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

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 10-1-13.

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 GCpf(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

10-1-13

3X5

5X5

2X4

3X4

3X4

2X4 (A1)

7

9-0-0

1-6-0

R=687 U=180 W=3.5"

R=811 U=180 W=3.5"

PLT TYP. Wave

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

7.25.0503

QTY:1

FL/-/5/-/E/R/-

Scale = .1875"/Ft.

REF	R215--	82273
DATE	04/11/07	
DRW	HCUSR215	07101013
HC-ENG	EC/WHK	*
SEQN-	154332	
FROM	CDM	
JREF-	1T6F215_Z02	

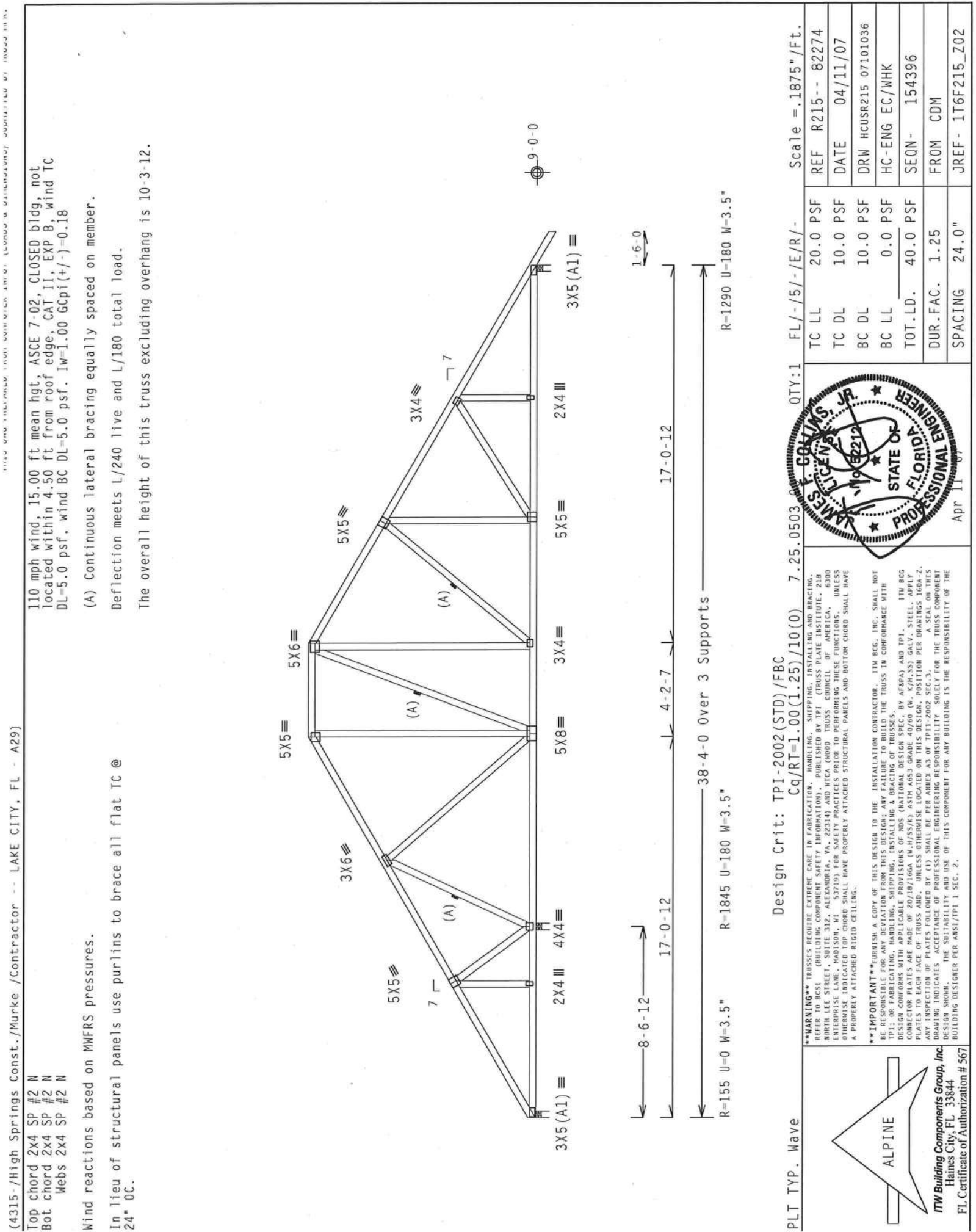
James F. Collins, Jr.
Professional Engineer
State of Florida
License No. 52212
April 11, 2007

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ALPINE

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



(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - A29)

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

Wind reactions based on MWFRS pressures.

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

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

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10'-3-12.

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503 QTY:1 FL/-/5/-/E/R/- Scale =.1875"/Ft.

PLT TYP. Wave

REF R215-- 82274
DATE 04/11/07
DRW HCUSR215 07101036
HC-ENG EC/WHK
SEQN- 154396
FROM CDM
JREF- 1T6F215_Z02

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

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10'-3-12.

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

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

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(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10'-3-12.

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

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10'-3-12.

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

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10'-3-12.

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

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10'-3-12.

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

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10'-3-12.

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

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

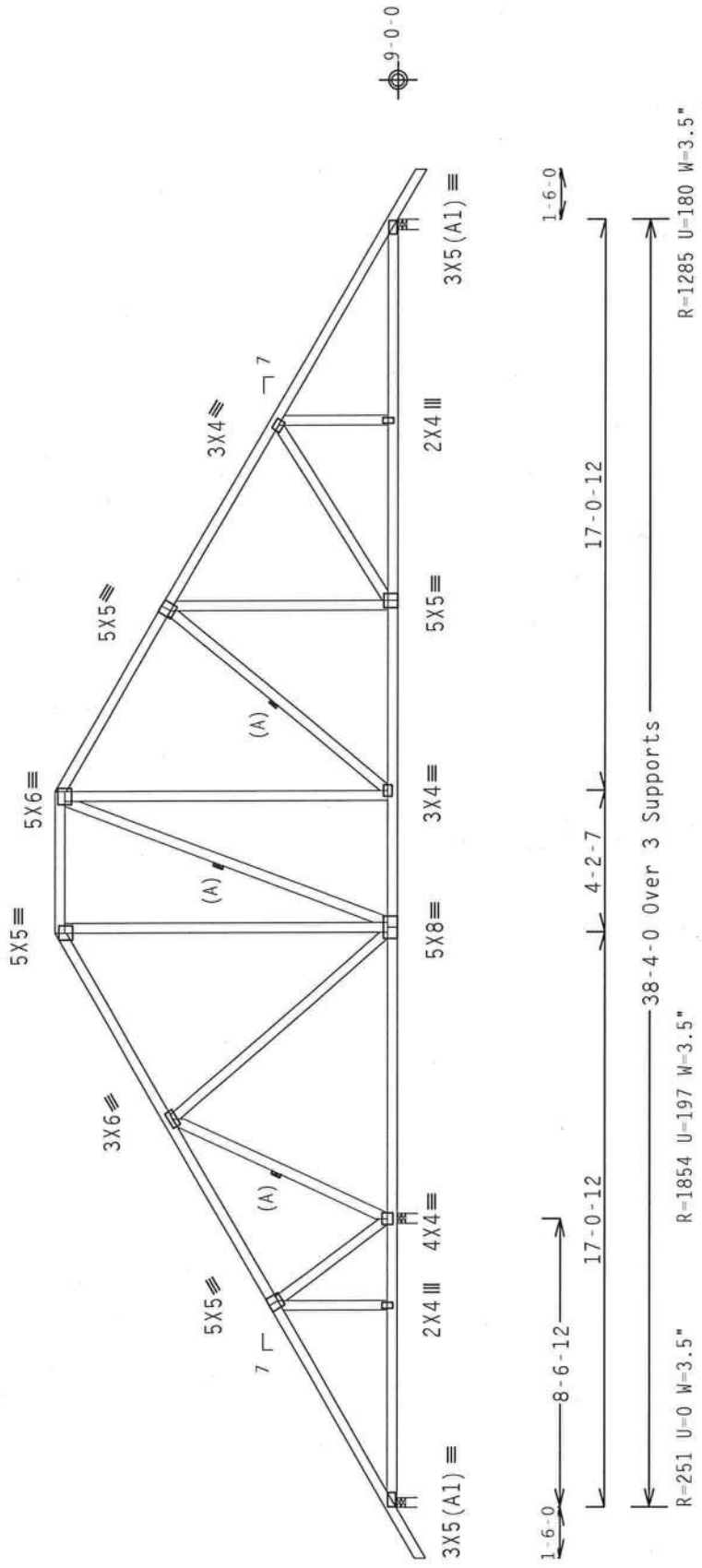
The overall height of this truss excluding overhang is 10'-3-12.

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

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

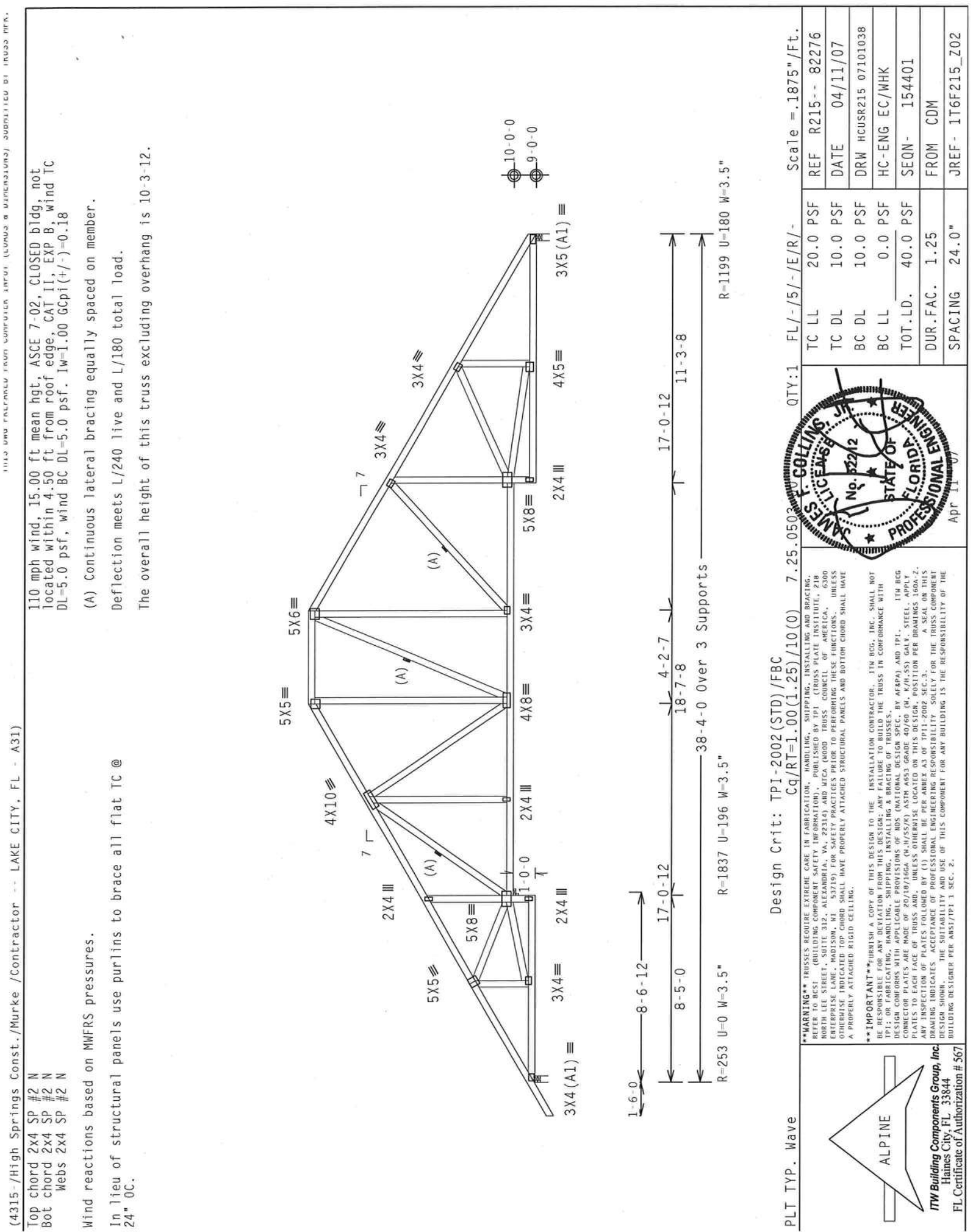
The overall height of this truss excluding overhang is 10-3-12.



Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.

 ALPINE ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (4000 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. TITW BCG CONNECTOR PLATES ARE MADE OF 20/18/136GA (40/55/PS) ASTM A653 GRADE 40/60 (40, 40/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AWS/ITPI 1 SEC. 2.		Apr 11 '07	REF R215-- 82275	TC LL 20.0 PSF
				DATE 04/11/07	TC DL 10.0 PSF
				DRW HCUSR215 07101037	BC DL 10.0 PSF
				HC-ENG EC/WHK	BC LL 0.0 PSF
				SEQN- 154390	TOT.LD. 40.0 PSF
				FROM CDM	DUR.FAC. 1.25
				JREF- 1T6F215_Z02	SPACING 24.0"



(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - A31)
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MMFRS pressures.
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

(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 10-3-12.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503

Scale = .1875"/Ft.
REF R215-- 82276
DATE 04/11/07
DRW HCUSR215 07101038
HC-ENG EC/WHK
SEQN- 154401
FROM CDM
JREF- 1T6F215_Z02

QTY:1 FL/-/5/-/E/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"

APR 11 2007
JAMES F. COLLINS
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

1-6-0
8-6-12
17-0-12
17-0-12
11-3-8
R=253 U=0 W=3.5"
R=1837 U=196 W=3.5"
R=1199 U=180 W=3.5"

3X4(A1) 3X4 2X4 5X8 4X8 3X4 5X6 3X4 3X4 2X4 4X5 3X5(A1)

1-6-0
8-6-12
17-0-12
17-0-12
11-3-8
R=253 U=0 W=3.5"
R=1837 U=196 W=3.5"
R=1199 U=180 W=3.5"

38-4-0 Over 3 Supports

1-6-0
8-6-12
17-0-12
17-0-12
11-3-8
R=253 U=0 W=3.5"
R=1837 U=196 W=3.5"
R=1199 U=180 W=3.5"

1-6-0
8-6-12
17-0-12
17-0-12
11-3-8
R=253 U=0 W=3.5"
R=1837 U=196 W=3.5"
R=1199 U=180 W=3.5"

1-6-0
8-6-12
17-0-12
17-0-12
11-3-8
R=253 U=0 W=3.5"
R=1837 U=196 W=3.5"
R=1199 U=180 W=3.5"

1-6-0
8-6-12
17-0-12
17-0-12
11-3-8
R=253 U=0 W=3.5"
R=1837 U=196 W=3.5"
R=1199 U=180 W=3.5"

1-6-0
8-6-12
17-0-12
17-0-12
11-3-8
R=253 U=0 W=3.5"
R=1837 U=196 W=3.5"
R=1199 U=180 W=3.5"

1-6-0
8-6-12
17-0-12
17-0-12
11-3-8
R=253 U=0 W=3.5"
R=1837 U=196 W=3.5"
R=1199 U=180 W=3.5"

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

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

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

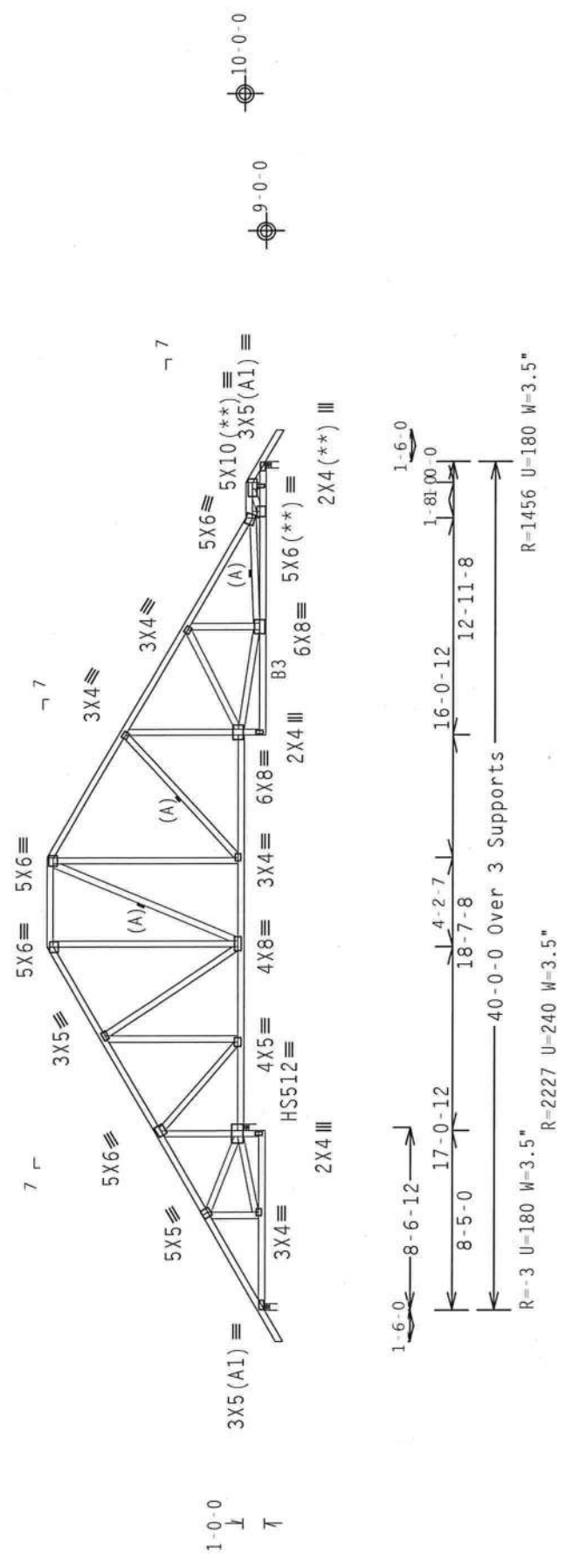
(A) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10-3-12.

LOADING HAS BEEN CALCULATED BY THE TRUSS MANUFACTURER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO VERIFY AND APPROVE THE LOADING.



Design Crit: TPI-2002(STD)/FBC

QTY:1 FL/-/5/-/E/R/- Scale = .125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND (800) TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGNER'S COMMENTS: (SEE DRAWING) DESIGN SEC. 17U AFPAO AND TP1. 17U BCG CONNECTION PLATES ARE MADE OF 2018/T6ALUMINUM ALLOY PER AIAA-95-0001. STEEL PLATES ARE MADE OF 1018/ASTM-A36 STEEL PER AIAA-95-0001. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

ANY INSPECTION OF PLATES FOLLOWED BY (1.) SHALL BE PER APPENDIX A3 OF TP1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 SEC. 2.



TC LL	20.0	PSF	REF	R215--	82277
TC DL	10.0	PSF	DATE	04/11/07	
BC DL	10.0	PSF	DRW	HCUSR215	07101039
BC LL	0.0	PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0	PSF	SEQN-	154479	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T6F215_Z02	

(4315- /High Springs Const./Murke /Contractor -- LAKE CITY, FL - A33)

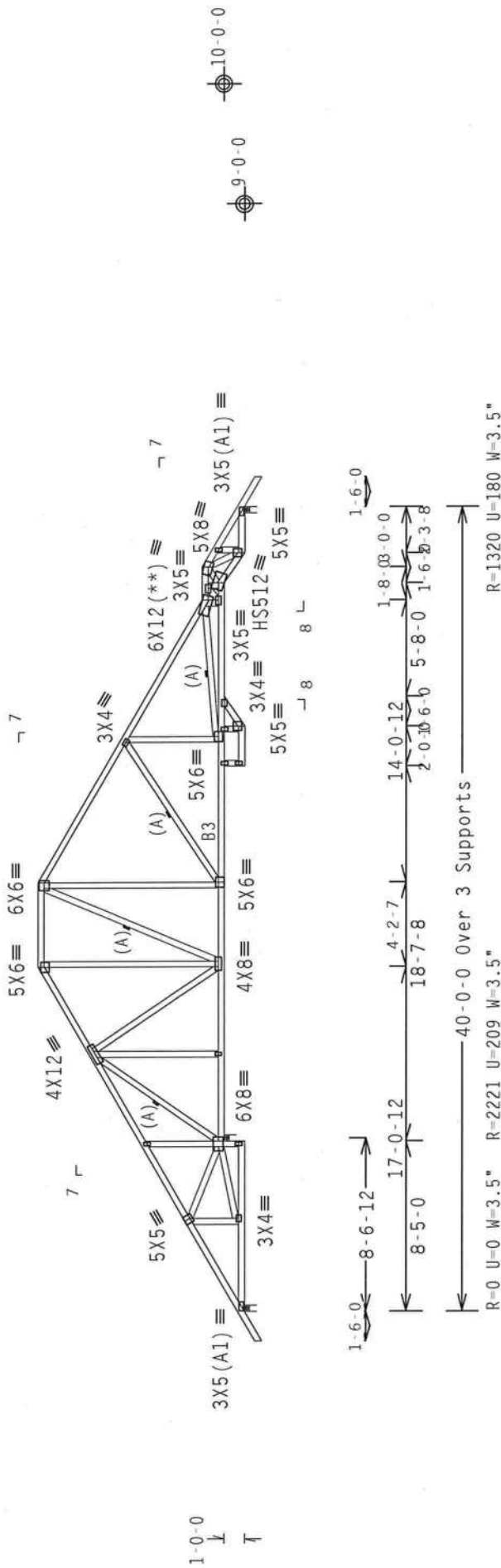
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

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

The overall height of this truss excluding overhang is 10-3-12.

SEE DWGS BC FILLER1106 FOR BOTTOM CHORD (BC) FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER @24"OC. (OR AS
DESIGNED) INCLUDING A BRACE ON BOTTOM CHORD DIRECTLY ABOVE
BOTH ENDS OF FILLER (IF NO RIGID DIAPHRAM EXISTS AT THAT PO



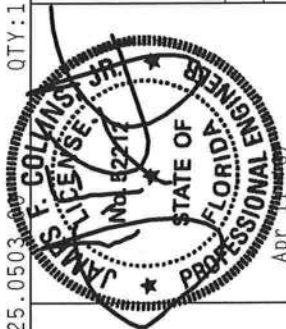
Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS.Wave

QTY:1 FL/-/5/-/E/R/- Scale = .125"/Ft.

TC LL	20.0	PSF	REF R215-- 82278
TC DL	10.0	PSF	DATE 04/11/07
BC DL	10.0	PSF	DRW HCURS215 07101040
BC LL	0.0	PSF	HC-ENG EC/WHK
TOT.LD.	40.0	PSF	SEQN- 154466
DUR.FAC.	1.25		FROM CDM
SPACING	24.0"		JREF- 1TG215_Z02



***WARNING:** THUSSE'S REQUIRES EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BURSTING. RETURN TO 9653 BUILDING COMPONENT SYSTEMS INFORMATION, PUBLISHED BY THE THUSSE PLATE INSTITUTE, 2300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND WCA (4000) TRUSS, COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48219, 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 Certificate of Authorization # 567

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

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.

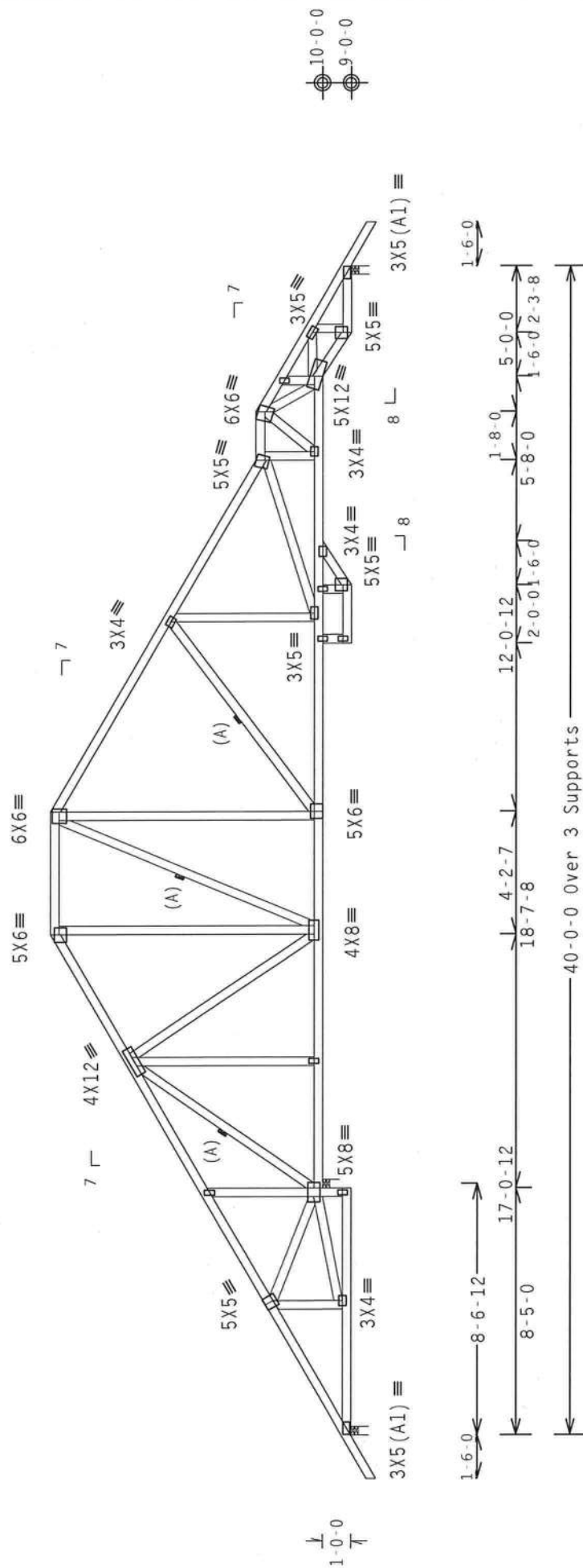
(A) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10'-3"-12".

SEE DWGS BCFILLER1106 FOR BOTTOM CHORD (BC) FILLER DETAILS. LATERALLY BRACE BOTTOM CHORD ABOVE FILLER @24"OC. (OR AS DESIGNED) INCLUDING A BRACE ON BOTTOM CHORD DIRECTLY ABOVE BOTH ENDS OF FILLER (IF NO RIGID DIAPHRAM EXISTS AT THAT POINT).



R-35 U-0 W-3.5"

R-2178 U=199 W=3.5"

R=1329 U=180 W=3.5"

Note: All Plates Are 2X4 Except As Shown.

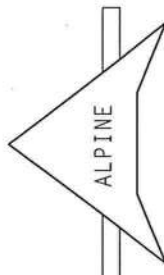
Design Crit: TPI-2002(STD)/FBC

QTY: 1 FL/-/5/-/E/R/- Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R215--	82279
TC DL	10.0 PSF	DATE	04/11/07	
BC DL	10.0 PSF	DRW	HCUSR215	07101046
BC LL	0.0 PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0 PSF	SEON-	154459	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1T6F215_Z02	

****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 NCA (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**** 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 2018/176GA (M/55X75) ASTM A563 GRADE 40/60 (M, K/H,SS) GALV. STEEL. APPLY LATERAL BRACING TO EACH FACE OF ALL TRUSS CHORDS AND WEBS. UNLESS OTHERWISE INDICATED BY THE DESIGN 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 AHS/TPI 1 SEC. 2.



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

Top chord	2x4	SP	#2	N
Bot chord	2x4	SP	#2	N
Web	2x4	SP	#2	N

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.

(A) Continuous lateral bracing equally spaced on member.

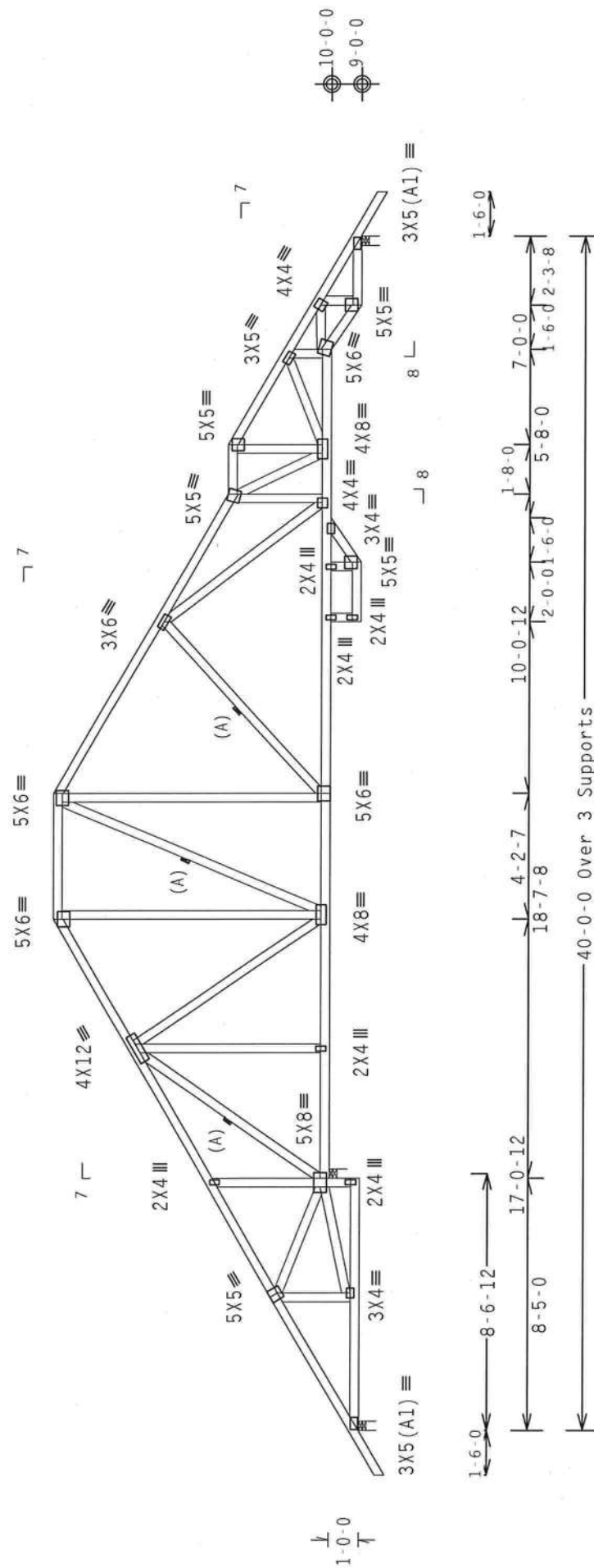
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10-3-12.

SEE DWGS BCFILLER1106 FOR BOTTOM CHORD (BC) FILLER DETAILS.

LATERAL BRACE BOTTOM CHORD ABOVE FILLER @24"OC. (OR AS DESIGNED) INCLUDING A BRACE ON BOTTOM CHORD DIRECTLY ABOVE BOTH ENDS OF FILLER (IF NO RIGID DIAPHRAM EXISTS AT THAT POINT).



R=71 U=0 W=3.5"

R=2132 U=199 W=3.5"

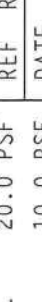
Design Crit: TPI-2002(STD)/FBC

QTY:1 FL/-/5/-/F/R/- Scale = 1875"/Ft.

0503

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

PLT TYP. Wave



ALPINE

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

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 LE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DRIVE, SUITE 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 OR DERIVATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OR INSTALLATION OF THE TRUSS SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/SS) AND TPI. 1TH BCG DESIGN PANELS ARE MADE OF 20/18/1604 OR 16/25/PS) ASTM A653 GRADE 40-50 (M. K/H/SS) GALV. STEEL. APPLICABLE PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LABELED ON THIS DESIGN POSITION PER DRAWINGS 164-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ABEN 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 AMS1/TPI 1 SEC. 2.



APR 11 2009

REF	R215 -- 82280	TC LL	20.0 PSF	
DATE	04/11/07	TC DL	10.0 PSF	
DRW	HCU5R215 07101047	BC DL	10.0 PSF	
	HC-ENG EC/WHK	BC LL	0.0 PSF	
	SEON- 154453	TOT.L.D.	40.0 PSF	
	FROM CDM	DUR.FAC.	1.25	
	JREF- 1T6F215_Z02	SPACING	24.0"	

(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - A36)

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

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.

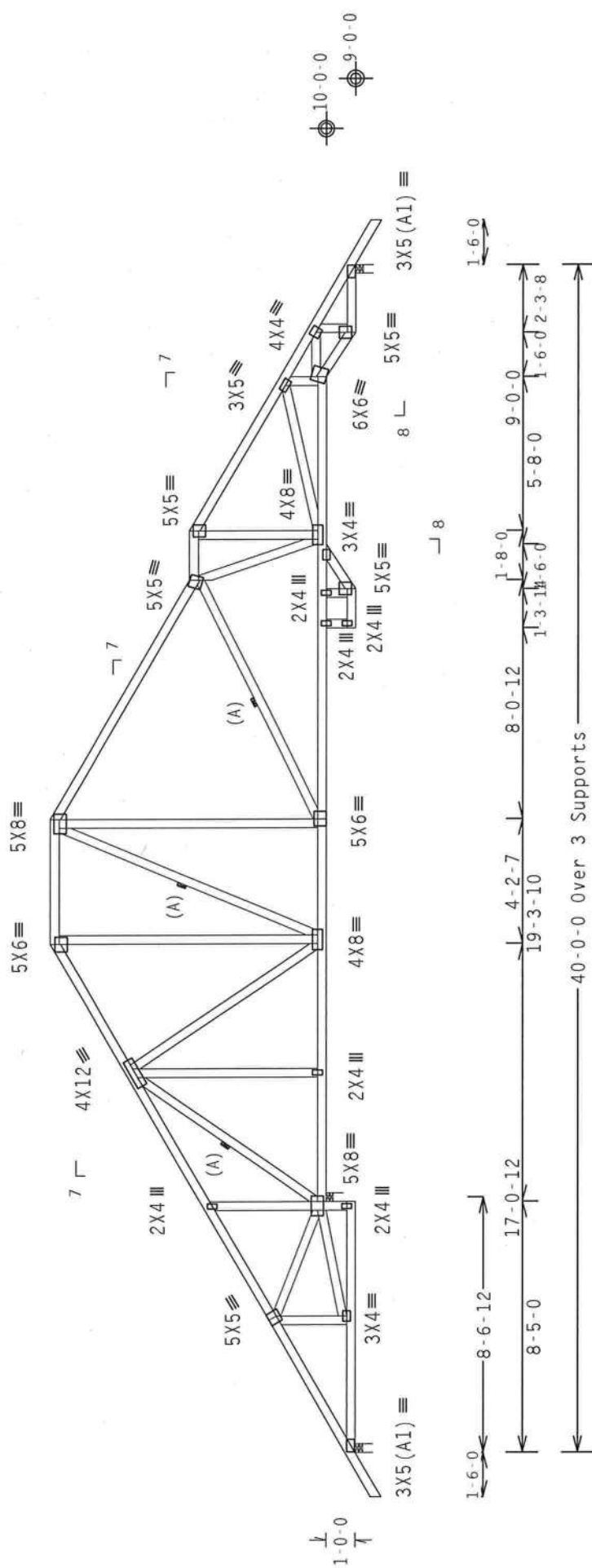
(A) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10-3-12.

(SEE DWGS BCFILLER1106 FOR BOTTOM CHORD (BC) FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER @24"OC.(OR AS
DESIGNED) INCLUDING A BRACE ON BOTTOM CHORD DIRECTLY ABOVE
BOTH ENDS OF FILLER (IF NO RIGID DIAPHRAM EXISTS AT THAT PO



R-87 U=0 W=3.5"

R=2111 H=199 W=3.5"

R=1343 U=180 W=3.5"

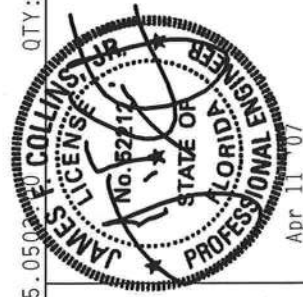
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/

QTY:1 FL/-/5/-/E/R/- Scale = .1875"/Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS' BUILDING COMPONENTS' PUBLISHED BUILT UP CHORDS PLATE TENTH, 218 FOR SAFETY INFORMATION. ADVISE ALL PERSONNEL INVOLVED IN THE CONSTRUCTION OF 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 TROUSS IN COMPLIANCE WITH THE DESIGN FOR FABRICATING, HANDLING, SHIPING, INSTALLING & BRACING THESE TROUSSES. ITW BCG DESIGNER'S OFFICE SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TROUSSES. THE TROUSSES SHALL BE FABRICATED FROM PLATES MADE OF 2010/16GA.00.00/AS/STEEL A563 GRADE 40/60 W. X/IN/55 GALV. STEEL - APPLY PLATES TO EACH FACE OF TROUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ABEX 43 OF TP11-2002 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/TP1 1 SEC. 2.



TC LL	20.0	PSF	REF	R215--	82281
TC DL	10.0	PSF	DATE	04/11/07	
BC DL	10.0	PSF	DRW	HCUSR215	07101048
BC LL	0.0	PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0	PSF	SEQN-	154448	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T6F215_Z02	

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

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

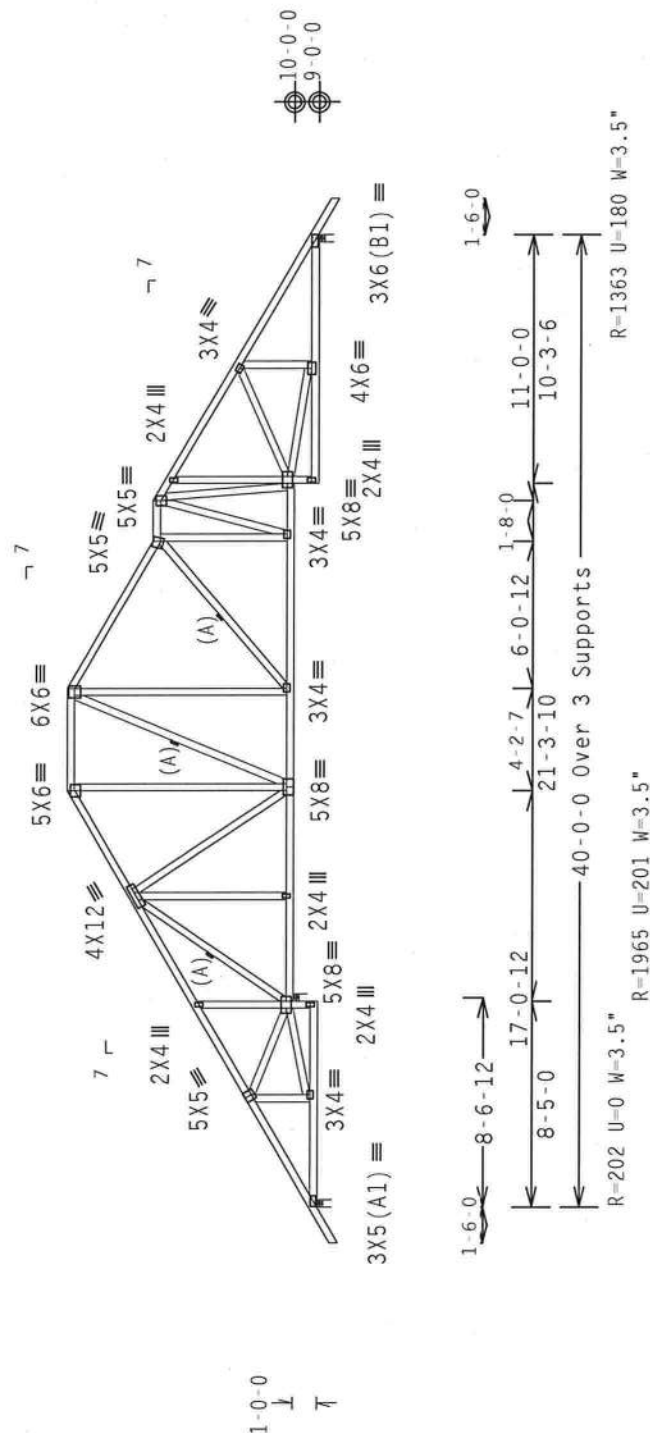
Wind reactions based on MWFRS pressures.

(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.

The overall height of this truss excluding overhang is 10-3-12.

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

PLT TYP. Wave

503

QTY:1 FL/-/5/-/F/R/-/

Scale = 125"/Ft.

TC LL	20.0	PSF	REF R215-- 82282
TC DL	10.0	PSF	DATE 04/11/07
BC DL	10.0	PSF	DRW HCURS215 07101049
BC LL	0.0	PSF	HC-ENG EC/WHK
TOT.LD.	40.0	PSF	SEQN- 154443
DUR.FAC.	1.25		FROM CDM
SPACING	24.0"		JREF- 116F215_Z02



APR 11 07

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PLEASE TO OESS PUBLICATIONS, C/O THE TRUSS PANEL INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALICANTANIA WA, 72314. ATGROSS@COMPASS.COM.AU ENTERPRISE LABE, WA00156 (N1 53719) FOR THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANEL'S AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

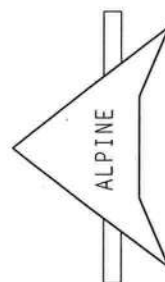
****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN WILL BE AT THE USER'S RISK. IF THE TRUSS IS USED FOR OTHER PURPOSES, CONSULT WITH THE TRUSS DESIGNER REGARDING A WORKING DESIGN. PROVIDE THE FOLLOWING INFORMATION TO THE TRUSS MANUFACTURER:

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 8TH EDITION, PART 9, AND THE AMERICAN WELDING SOCIETY (AWS) D1.1.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (8 U/S/5 K) ASTM A563 GRADE 40/60 (U. K/H/SL) GALV., STEEL, APPLY PLATES TO EACH FACE OF TRUSS UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2.

IF AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 4 OF TPTI-2002 SEC. 3.

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



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

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Rt Stubbed Wedge 2x6 SP #2 N:

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.

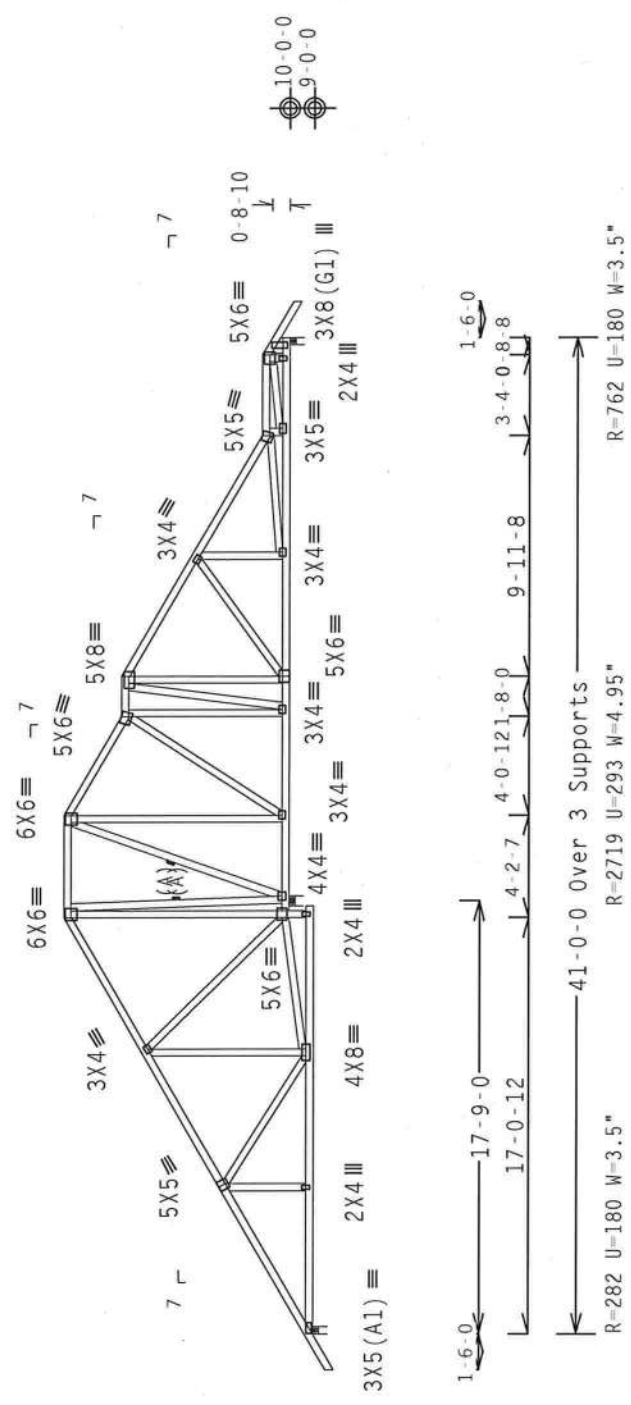
(A) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10-3-12.

LOADING HAS BEEN CALCULATED BY THE TRUSS MANUFACTURER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO VERIFY AND APPROVE THE LOADING.

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

Scale = .125"/Ft.

FL/-/5/-/E/R/-

0503 Quantity QTY:

$$0(1.25)/10(0) \quad 7.25$$

$C_q/RT=1.$

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (SUITE 312, COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NFCA (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 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 AISC NATIONAL DESIGN SPEC., (BY AISC) AND TPI. CONNECTOR PLATES WERE MADE OF 2018/10GA (W/55K) ASTM A563 GRADE 40/60 (W, K/J/L/S) 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-1-2002 SEC. 2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX/TPI 1 SEC. 2.



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Haines City, FL 33844
FL Certificate of Authorization # 567

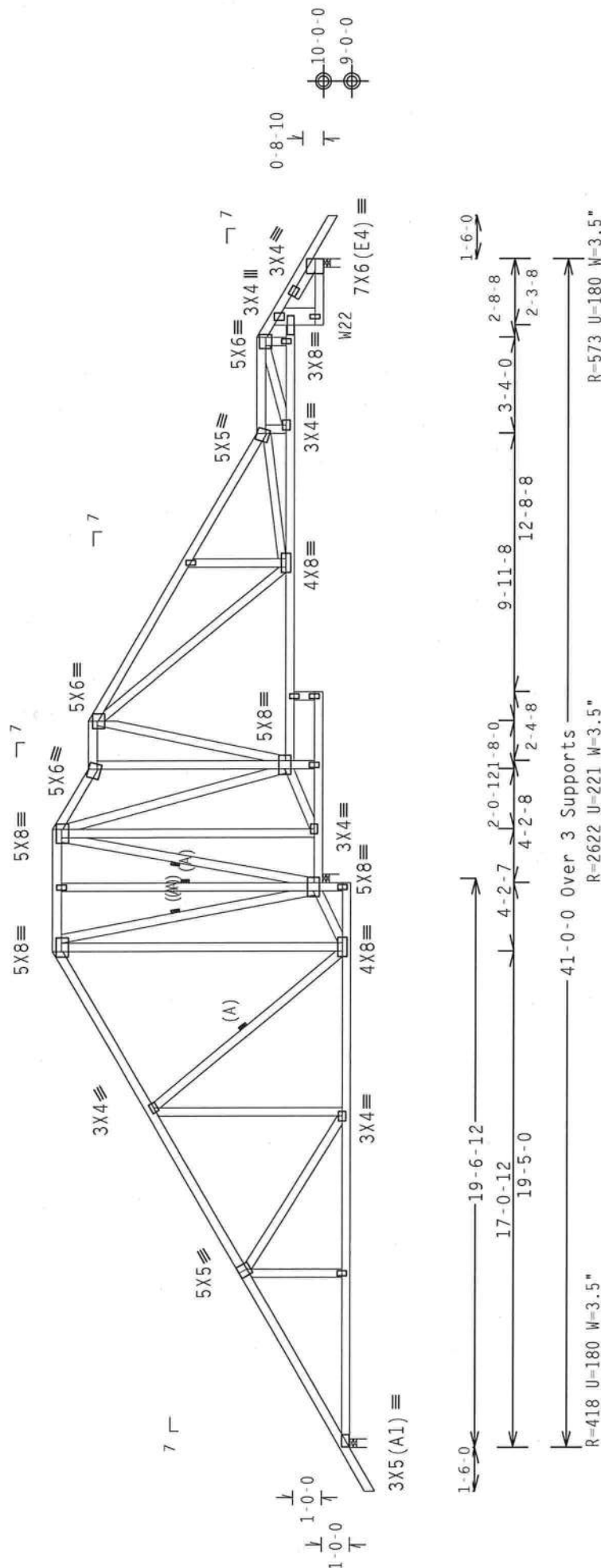
1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

The overall height of this truss excluding overhang is 10-3-12.

SEE DWGS BCFILLER106 FOR BOTTOM CHORD (BC) FILLER DETAILS.
LATERAL BRACE BOTTOM CHORD ABOVE FILLER @24"OC.(OR AS
DESIGNED) INCLUDING A BRACE ON BOTTOM CHORD DIRECTLY ABOVE
BOTH ENDS OF FILLER (IF NO RIGID DIAPHRAM EXISTS AT THAT POINT).



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

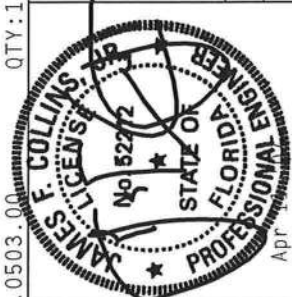
PLT TYP. Wave

 $Cq/RT=1.00(1.25)/10(0)$ 7.25.0503.00.

QTY:1 EL/-/5/-/F/R/-

$$\text{Scale} = 1875''/\text{Foot}$$

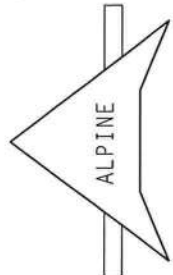
TC LL	20.0	PSF	REF	R215 - -	82284
TC DL	10.0	PSF	DATE	04/11/07	
BC DL	10.0	PSF	DRW	HCUSR215	07101051
BC LL	0.0	PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0	PSF	SEQN-	154434	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T6F215	Z02

[illegible]

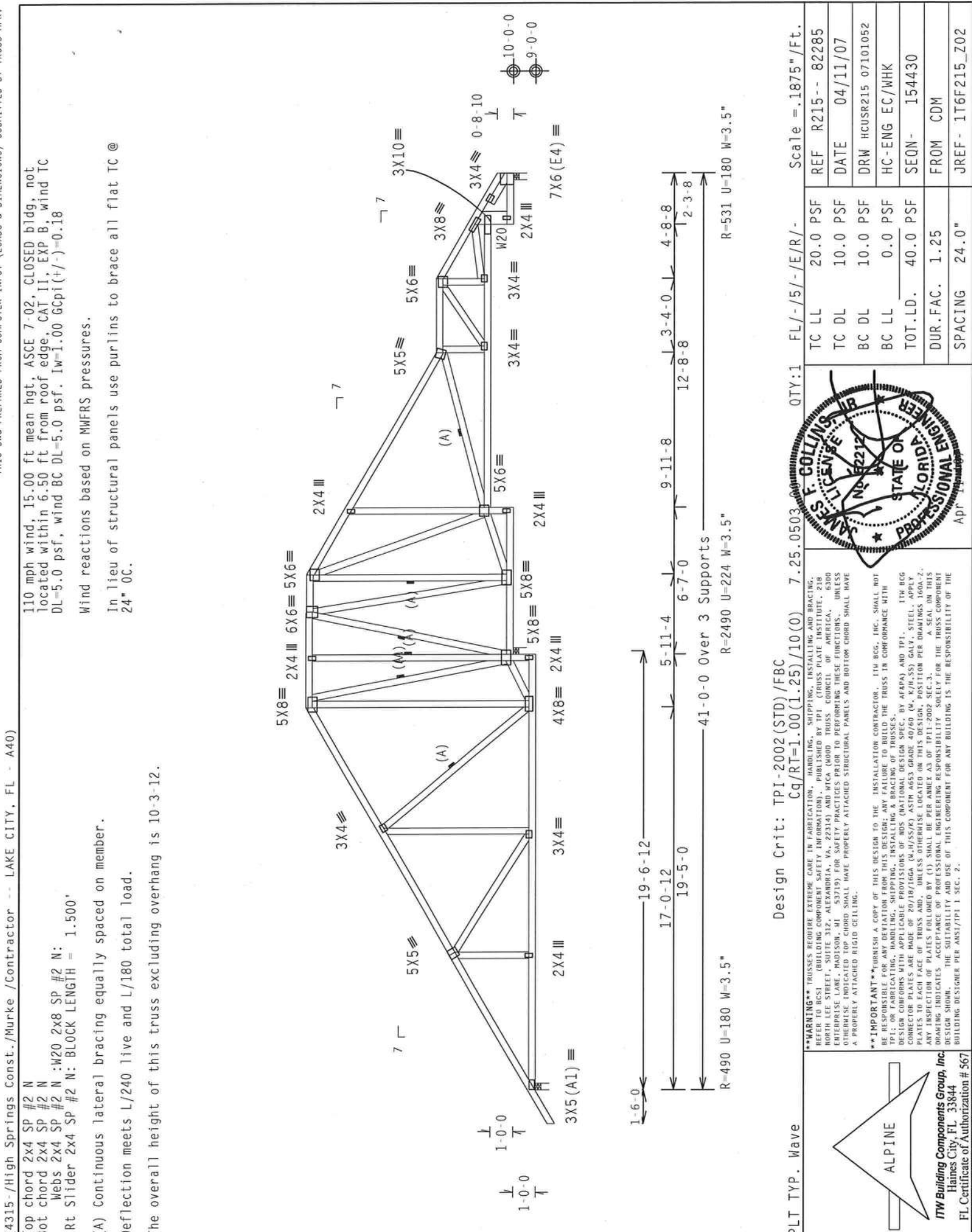
****IMPORTANT****—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN, INCLUDING A BRACING OF THE TRUSSES, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ITH BCG SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN, INCLUDING A BRACING OF THE TRUSSES, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

DESIGN CONFORMS WITH APPLICABLE BUILDING CODES, SPECIFICATIONS, AND STANDARDS, INCLUDING THE FOLLOWING:

- 1. ITH BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (OR 18/15/14GA) ASTM A563 GRADE 40/60 (A, K/H/S), GALV., STEEL, APPROX. 1/8" THICK.
- 2. PLATES TO EACH FACE OF TRUSS AND (WHEN USED) LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.
- 3. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A3 OF TP11-2002 SEC.3.
- 4. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN.
- 5. THE SUBMITAL AND USE OF THIS DESIGN COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



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



(4315/-High Springs Const./Murke /Contractor -- LAKE CITY, FL - A40)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N :W20 2x8 SP #2 N:
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'

(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 10-3-12.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpl(+/-)=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)/10(0) 7.25.0503

PLT TYP. Wave

Scale = .1875" /Ft.

REF R215-- 82285
DATE 04/11/07
DRW HCUSR215 07101052
HC-ENG EC/MHK
SEON- 154430
FROM CDM
JREF- 1T6F215_Z02

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"

QTY:1 FL/-/5/-/E/R/-

APR 11 2007
F. COLLINS
STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 62212

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

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (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, MI 48061) 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.

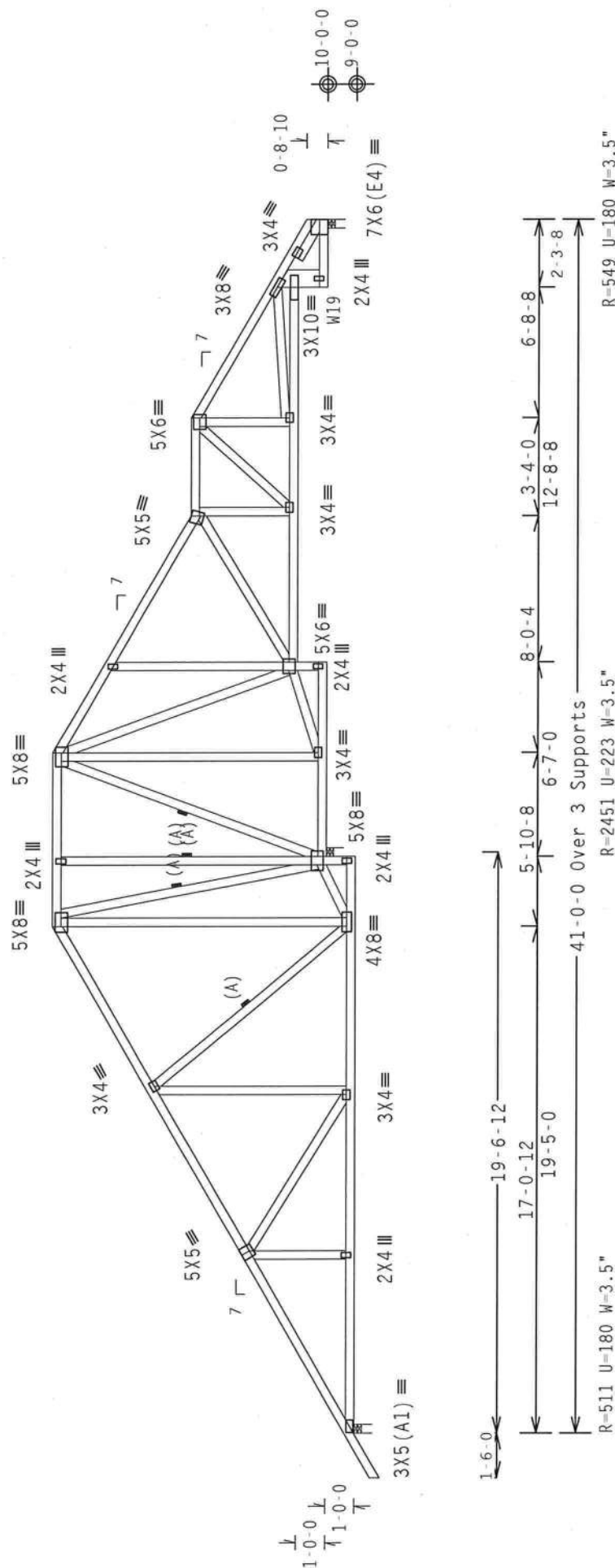
IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/10GA (N.H/SS)K 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 100A-2. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER. INDICATES 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 ht, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MNFRS pressures.

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

The overall height of this truss excluding overhang is 10-3-12.



Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.

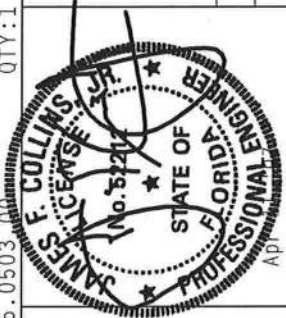
QTY:1 FL/-/5/-/E/R/-

0503 09

 $Cq/RT=1.00(1.25)/10(0)$ 7.25.0503

PLT TYP. Wave

TC LL	20.0 PSF	REF	R215--	82286
TC DL	10.0 PSF	DATE	04/11/07	
BC DL	10.0 PSF	DRW	HCUSR215	07101053
BC LL	0.0 PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0 PSF	SEQN-	154426	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1T6F215	Z02



WARNING: THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 270 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 5300 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE 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 TRUSSS IN CONFORMANCE WITH THE FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSS.

DESIGN CONSTRUCTION: 1. ALL TRUSSS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING:

CONNECTION PLATES ARE MADE OF 20/10/17/16GA. OR 20/18/16GA. OR 20/18/16GA. (ASTM A563 GRADE 40/60 OR A575/585 GALT). ITW BCG

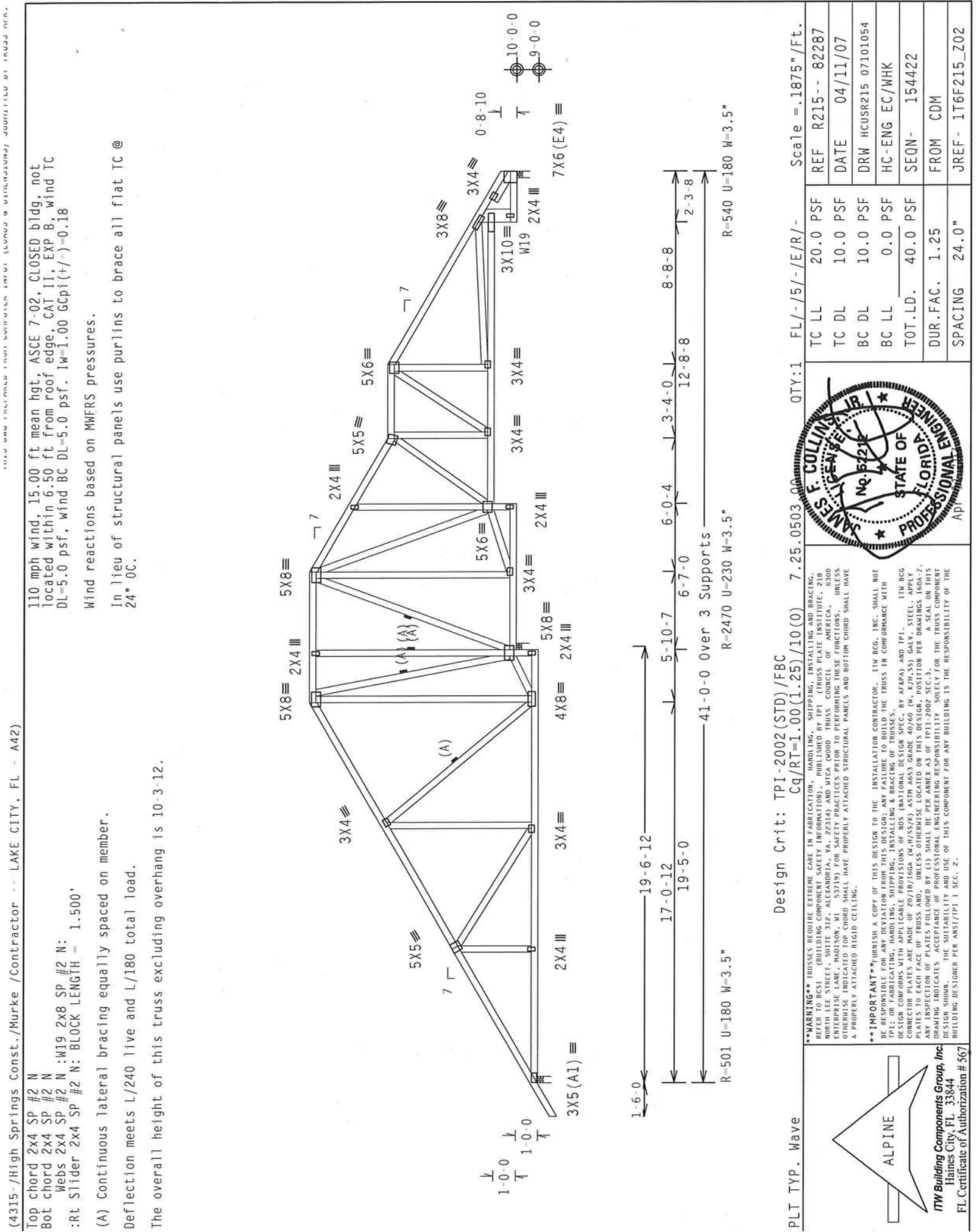
PLATES TO EACH FACE OF TRUSS AND (W/SPACER) LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2.

ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER AMBEX 43 OF 1911-2002 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 ANSI/TPI 1 SEC. 2.

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



(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - A42)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N : W19 2x8 SP #2 N :
:Rt Slider 2x4 SP #2 N : BLOCK LENGTH = 1.500'

(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 10-3-12.

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 GCpl(+/-)=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)/10(0) 7.25.0503.00 QTY:1 FL/-/5/-/E/R/- Scale =.1875"/Ft.

PLT TYP. Wave

REF R215-- 82287
DATE 04/11/07
DRW HCUSR215 07101054
HC-ENG EC/WHK
SEON- 154422
FROM CDM
JREF- 1T6F215_Z02

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

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, 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 BCS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/SS/K) ASTM A653 GRADE 40/60 (W, K/H/SS) GALV. STEEL. APPLY ANALYST'S SIGNATURE AND SEAL TO EACH PLATE. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLICIT FOR THE TRUSS COMPANY'S DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

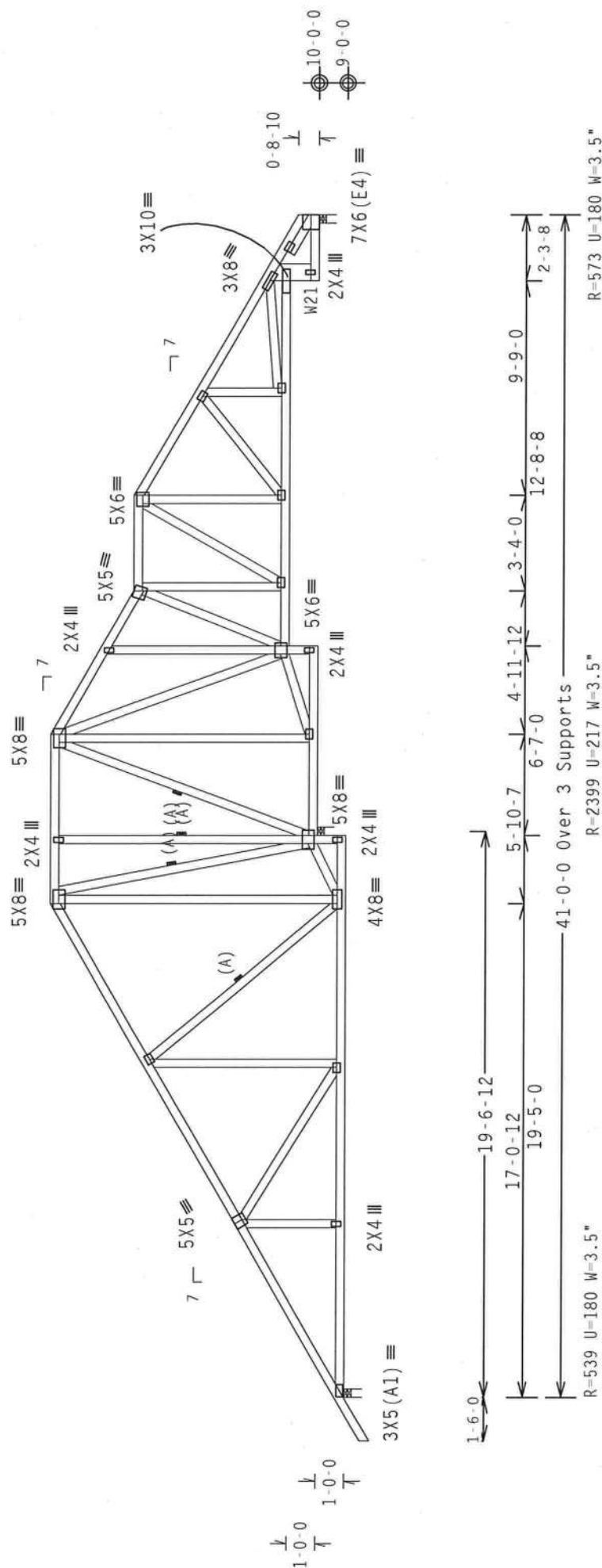
PLT TYP. Wave

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 BW=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.

The overall height of this truss excluding overhang is 10-3-12.



Note: All Plates Are 3X4 Except As Shown.

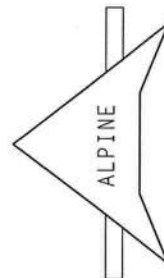
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

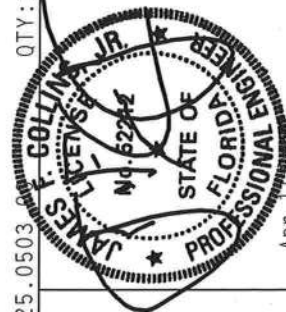
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QTY:1 FI / - / 5 / - / F / R / -

Scale = 1875"/Ft.

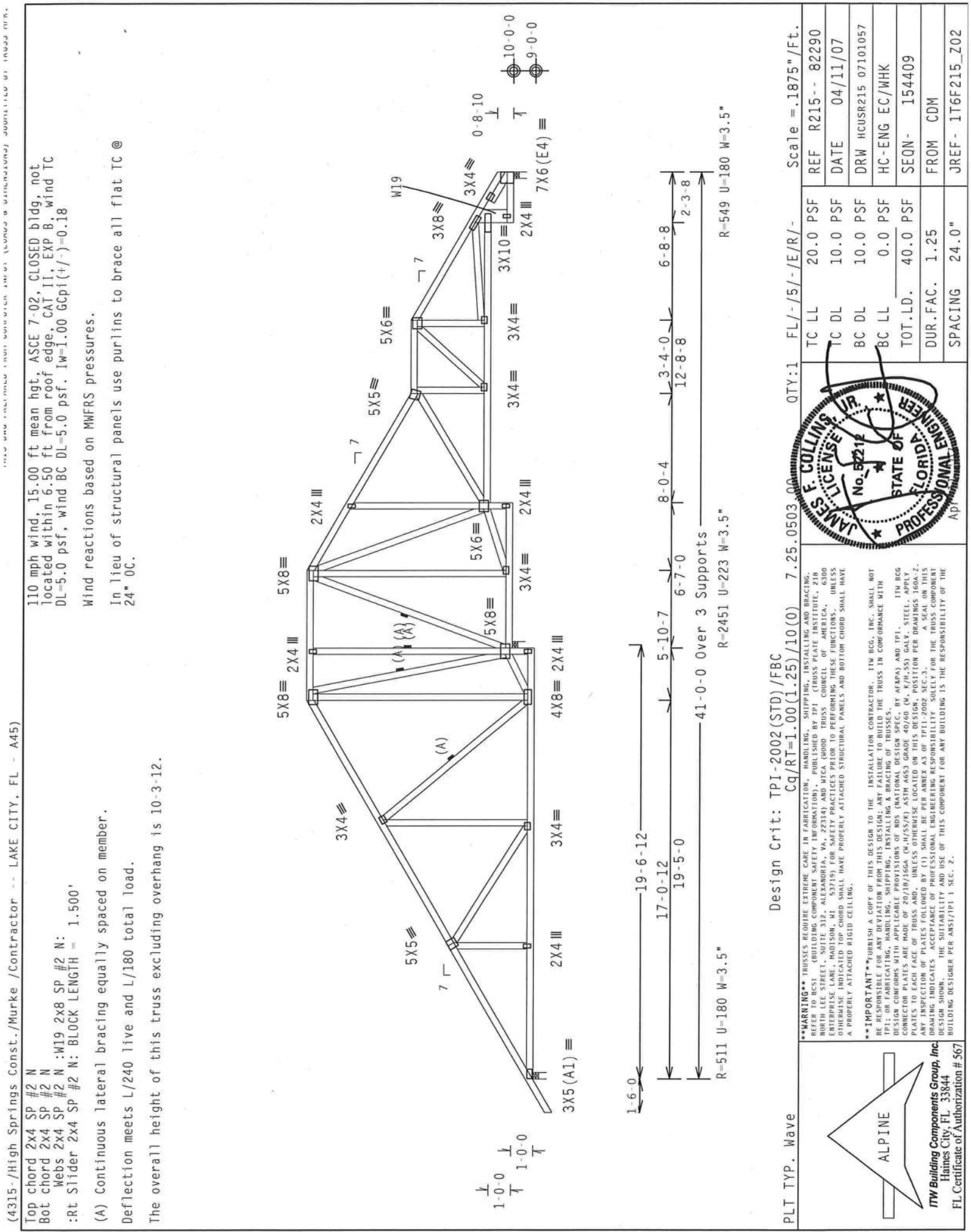
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ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



Apr 11

TC LL	20.0	PSF	REF	R215--	82288
TC DL	10.0	PSF	DATE	04/11/07	
BC DL	10.0	PSF	DRW	HCUSR215	07101055
BC LL	0.0	PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0	PSF	SEQN-	154418	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T6F215	Z02



(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - A45)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N :W19 2x8 SP #2 N:
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'

(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 10'-3-12.

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 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 Gcpl(+/-)=0.18

Wind reactions based on MWFRS pressures.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503.00 QTY:1 FL/-/5/-/E/R/- Scale = .1875"/Ft.

PLT TYP. Wave

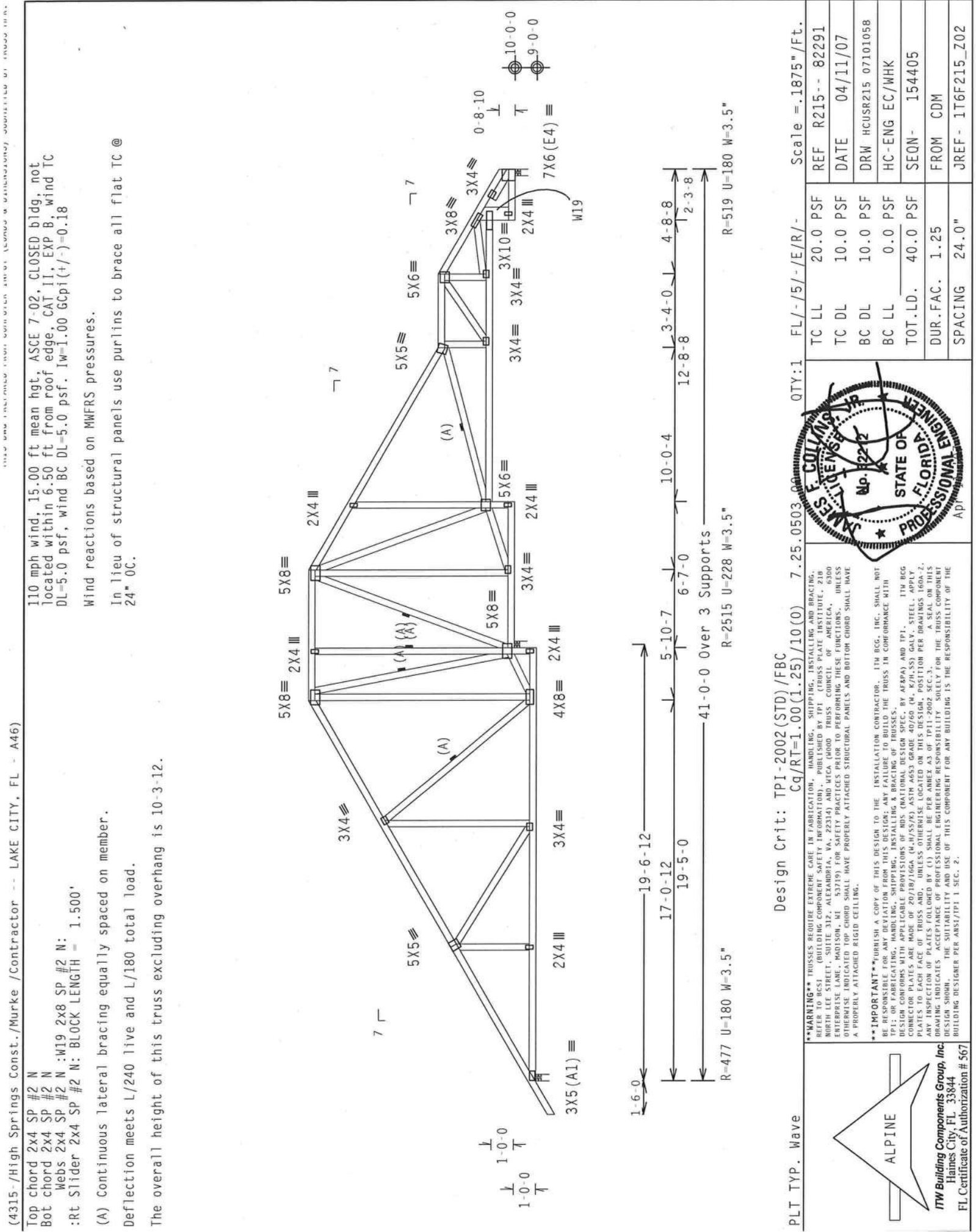
ALPINE

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

James F. Collins
Professional Engineer
State of Florida
No. 52212

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 R215-82290
DATE 04/11/07
DRW HCUSR215 07101057
HC-ENG EC/WHK
SEQN-154409
FROM CDM
JREF-1T6F215_Z02

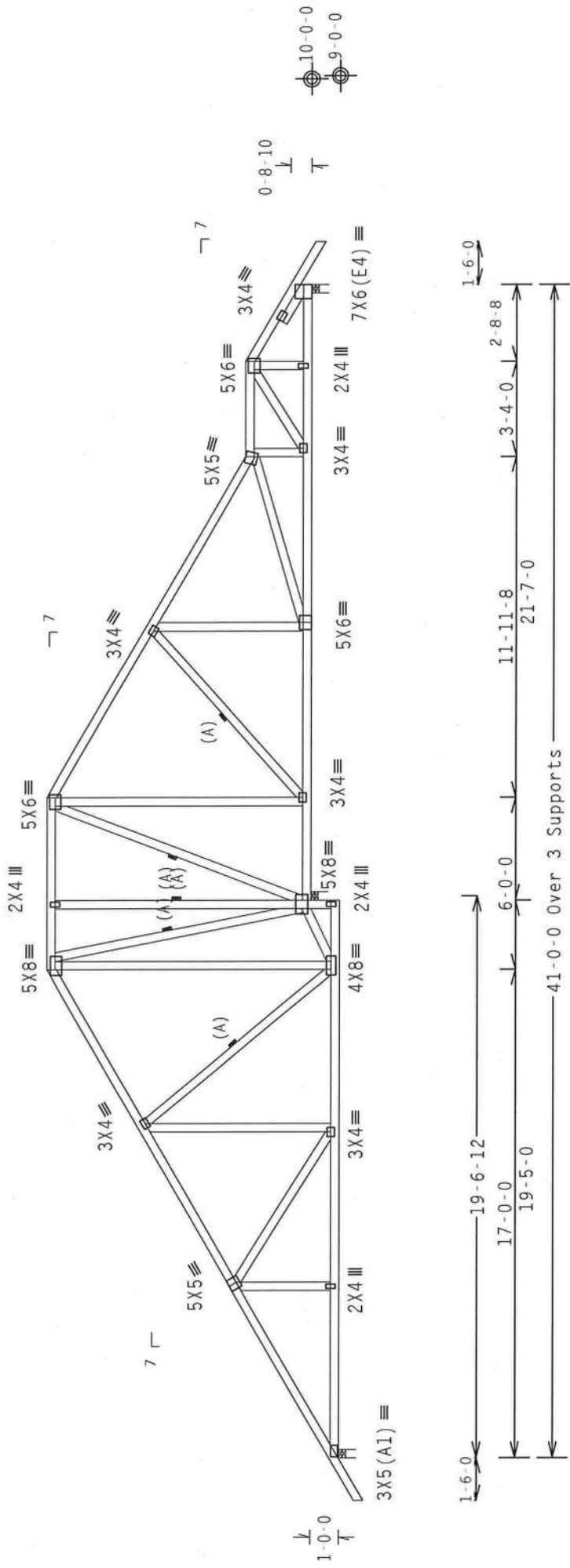


(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - A47)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'
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.

(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10-3-5.

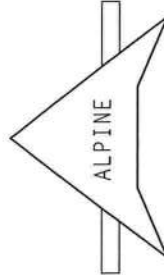


R=580 U=180 W=3.5"

R=2319 U=202 W=3.5"

R=714 U=180 W=3.5"

PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503.00
QTY:1 FL/-/5/-/E/R/-
Scale = .1875"/Ft.



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



Apr

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"

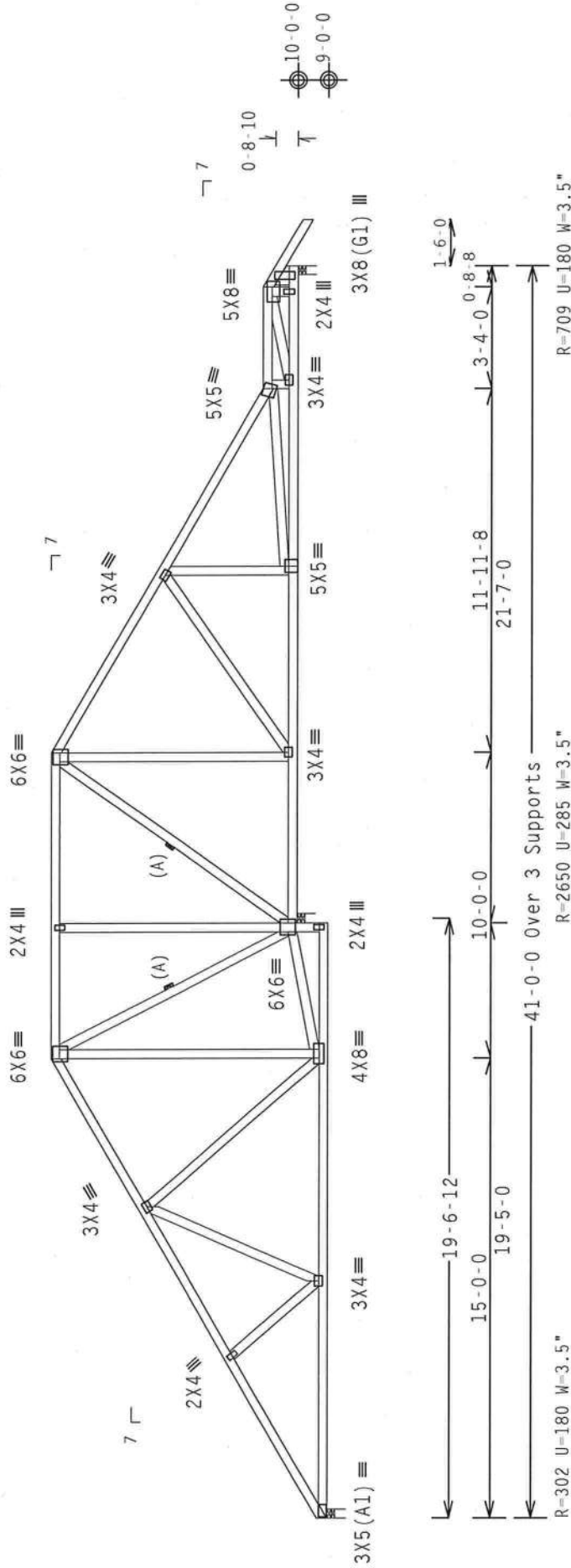
REF	R215--	82292
DATE	04/11/07	
DRW	HCUSR215	07101059
HC-ENG	EC/WHK	
SEQN-	154336	
FROM	CDM	
JREF-	1T6F215_202	

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Rt Stubby Wedge 2x6 SP #2 N:

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 15.00
TC - From 63 PLF at 15.00 to 63 PLF at 25.00
TC - From 63 PLF at 25.00 to 63 PLF at 36.96
TC - From 63 PLF at 36.96 to 63 PLF at 40.29
TC - From 63 PLF at 40.29 to 63 PLF at 42.50
TC - From 63 PLF at 42.50 to 63 PLF at 44.42
BC - From 20 PLF at 0.00 to 20 PLF at 19.42
BC - From 20 PLF at 19.42 to 20 PLF at 41.00
BC - From 5 PLF at 41.00 to 5 PLF at 42.50
TC - 100 LB Conc. Load at 40.29
BC - 50 LB Conc. Load at 40.29

LOADING HAS BEEN CALCULATED BY THE TRUSS MANUFACTURER.
IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO
VERIFY AND APPROVE THE LOADING.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	QTY:1	FL/-/5/-/E/R/-	Scale = 1,875"/Ft.
	TC LL	20.0 PSF	REF R215-- 82293
	TC DL	10.0 PSF	DATE 04/11/07
	BC DL	10.0 PSF	DRW HCUR215 07101060
	BC LL	0.0 PSF	HC-ENG EC/WHK
	TOT.LD.	40.0 PSF	SEQN- 154328
	DUR.FAC.	1.25	FROM CDM
	SPACING	24.0"	JREF- 1T6F215_Z02

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND METAL (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 AREA) AND TPI. ITM BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/55/8) ASTM A553 GRADE 40/60 (4, K/21.55) GALV. STEEL. APPLY CONNECTOR PLATES TO EACH TRUSS AND, UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DRAWINGS FIG. 2. AND INSPECTOR OF BUILDING DEPARTMENT. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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



(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - A49)

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

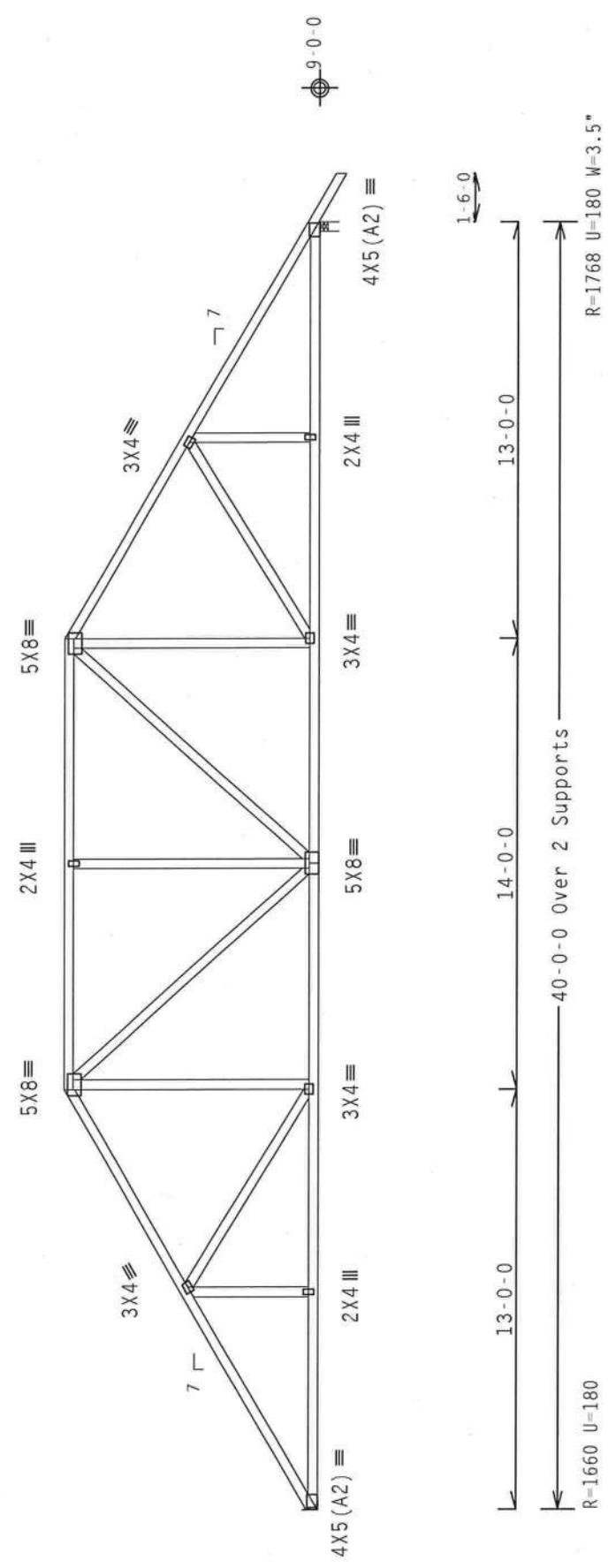
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

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

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

The overall height of this truss excluding overhang is 7-11-5.

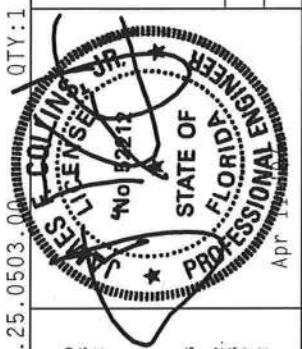


Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503.00 QTY:1 FL/-/5/-/E/R/- Scale =.1875"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/ASD) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/166A (N-H/SS/K) ASTM A553 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. BOTTOM PLATES FOLLOWED BY (3) SHALL BE PER AIA/ASD OF TPI 2002, SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER. SHOWN THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ALPINE

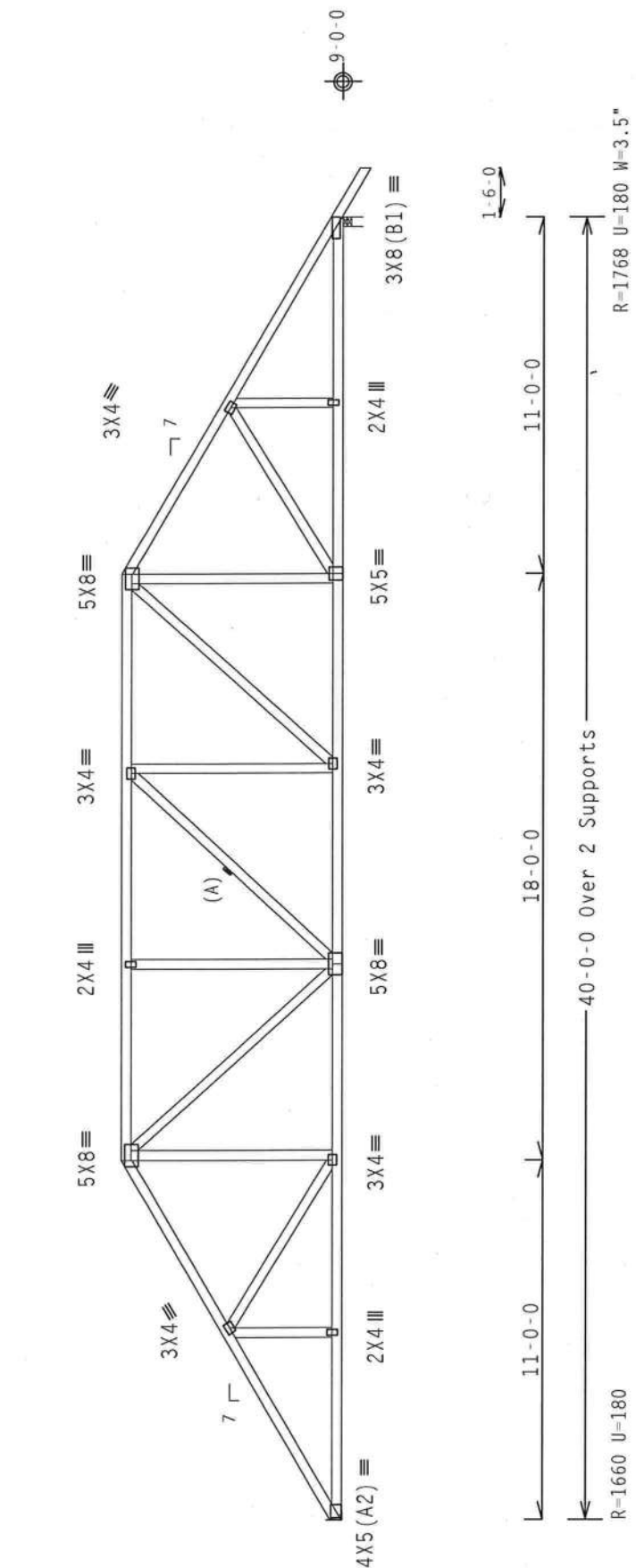
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Wind reactions based on MWFRS pressures.

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

The overall height of this truss excluding overhang is 6-9-5.



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

Scale = .1875"/Ft.

ALPINE ITW Building Components Group, Inc Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND UTCA (4000 TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. CONNECTION PLATES ARE MADE OF 20/18/16GA (H/J/SS/K) ASTM A653 GRADE 40/60 (H, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.	 James F. Collins, Jr. Professional Engineer State of Florida License No. 82212 Apr 11 2002	TC LL	20.0 PSF	REF R215-- 82295
			TC DL	10.0 PSF	DATE 04/11/07
			BC DL	10.0 PSF	DRW HCUSR215 07101061
			BC LL	0.0 PSF	HC-ENG EC/WHK
			TOT.LD.	40.0 PSF	SEQN- 154169
			DUR.FAC.	1.25	FROM CDM
			SPACING	24.0"	JREF- 1T6F215_Z02

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

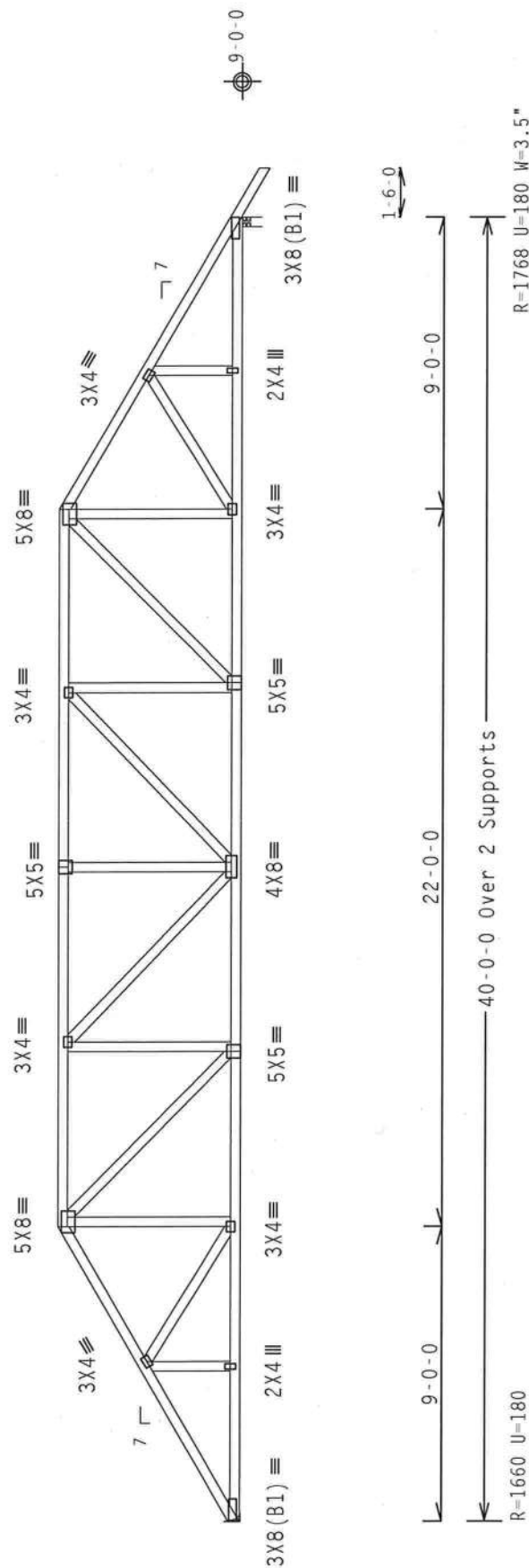
1110 mph wind, 15.00 ft mean hgt., ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, wind BC DL=(+/-)=0.18

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.

The overall height of this truss excluding overhang is 5-7-5.

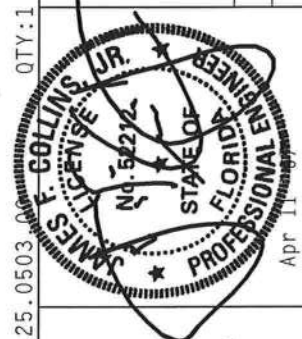


Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.

PLT TYP. Wave

TC LL	20.0	PSF	REF	R215 - -	82296
TC DL	10.0	PSF	DATE	04/11/07	
BC DL	10.0	PSF	DRW	HCUSR215	07101062
BC LL	0.0	PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0	PSF	SEQN-	154164	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T6F215	Z02



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PROPERLY SUBMITTAL OF THE TRUSS PLANT CERTIFICATE, 210 NORTH LEE STREET, SUITE 312, CORPORA, VA 22031, TO THE TRUSS COMPANY PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

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

Top chord 2x6 SP #2 N :T4 2x4 SP #2 N:
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N

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.

Left end vertical not exposed to wind pressure.

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

Left side jacks have 0-0-0 setback with 0-0-0 cant and 0-0-0
overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 1-6-0
overhang. Right side jacks have 7-0-0 setback with 0-0-0 cant and
1-6-0 overhang.

2 COMPLETE TRUSSES REQUIRED

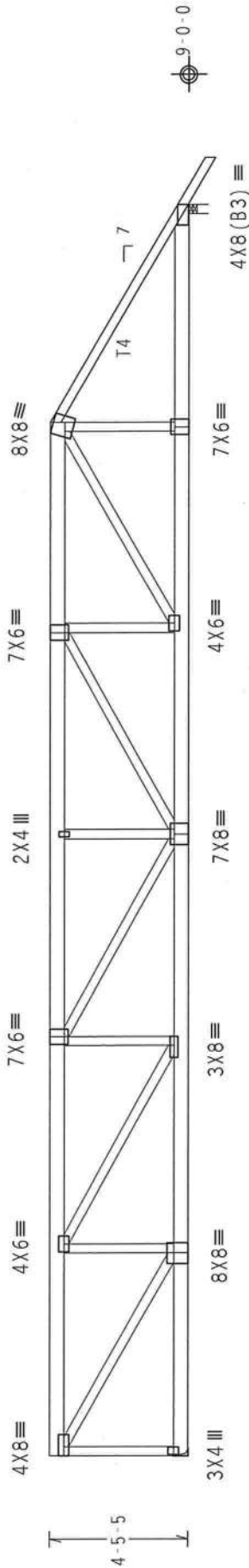
Nailing Schedule: (0.131"x3" Gun nails)
Top Chord: 1 Row @ 4.00" O.C.
Bot Chord: 1 Row @ 12.00" O.C.
Webs : 1 Row @ 4" O.C.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

Max JT VERT DEFL: LL: 0.23" DL: 0.33" recommended camber 1/2"

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

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 4-5-5.



1-6-0

33-0-0

7-0-0

40-0-0 Over 2 Supports

R=4208 U=180

R=3893 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.

QTY: 1

FL/-/5/-/E/R/-

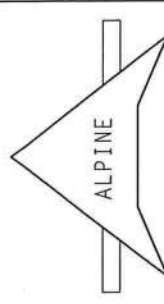
PLT TYP. Wave

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

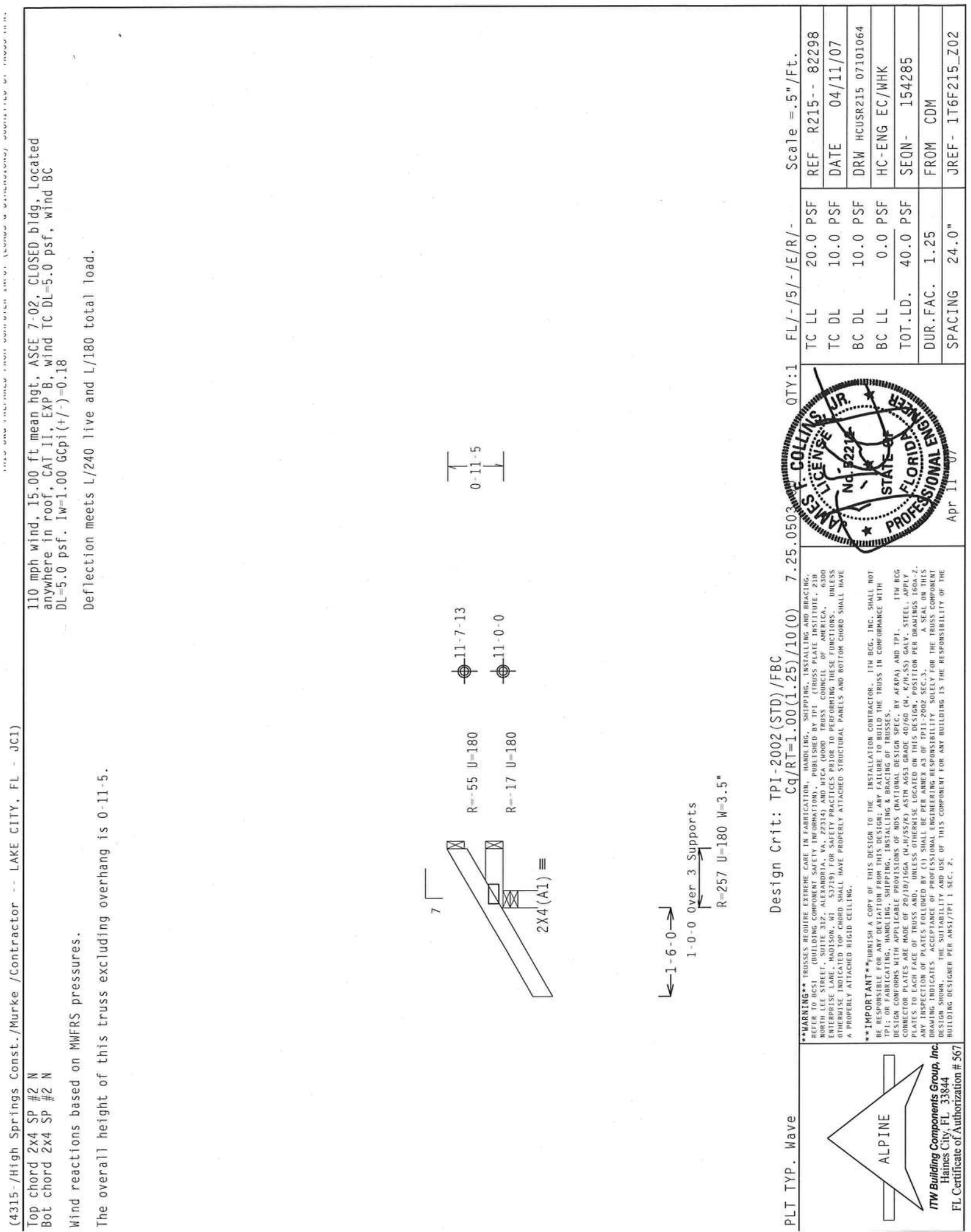
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCGI 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 AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) DESIGN GUIDE 9. DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R215--	82297
TC DL	10.0 PSF	DATE	04/11/07	
BC DL	10.0 PSF	DRW	HCUSR215	07101063
BC LL	0.0 PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0 PSF	SEQN-	154157	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1T6F215_Z02	



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



(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - JCI)

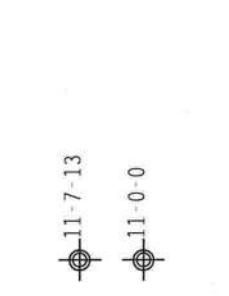
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Wind reactions based on MMFRS pressures.

The overall height of this truss excluding overhang is 0-11-5.

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.

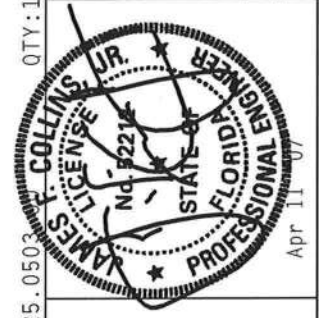


R=55 U=180
R=17 U=180

1'-0" Over 3 Supports
R=257 U=180 W=3.5"

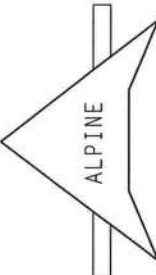
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503

QTY:1		FL/-/5/-/E/R/-		Scale =.5"/Ft.	
TC LL	20.0 PSF	REF	R215--	82298	
TC DL	10.0 PSF	DATE	04/11/07		
BC DL	10.0 PSF	DRW	HCUSR215	07101064	
BC LL	0.0 PSF	HC-ENG	EC/WHK		
TOT.LD.	40.0 PSF	SEQN-	154285		
DUR.FAC.	1.25	FROM	CDM		
SPACING	24.0"	JREF-	1T6F215_Z02		



****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 METAL TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

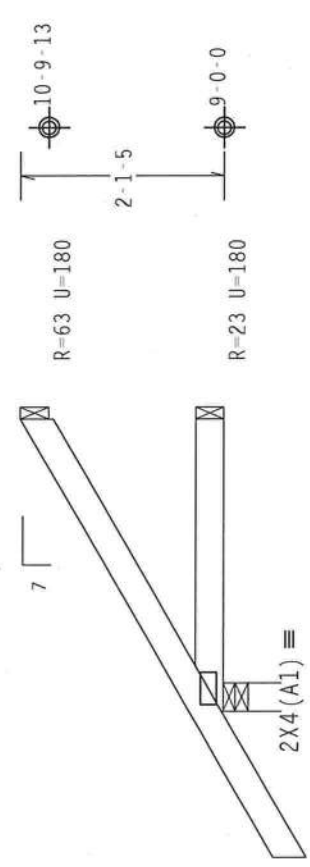
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2010/160A (4-N/55/K) ASTM A653 GRADE 40/60 (4, K/70/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ALPINE

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Haines City, FL 33844
FL Certificate of Authorization # 567

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Wind reactions based on MwFRS pressures.
The overall height of this truss excluding overhang is 2-1-5.
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
Deflection meets L/240 live and L/180 total load.

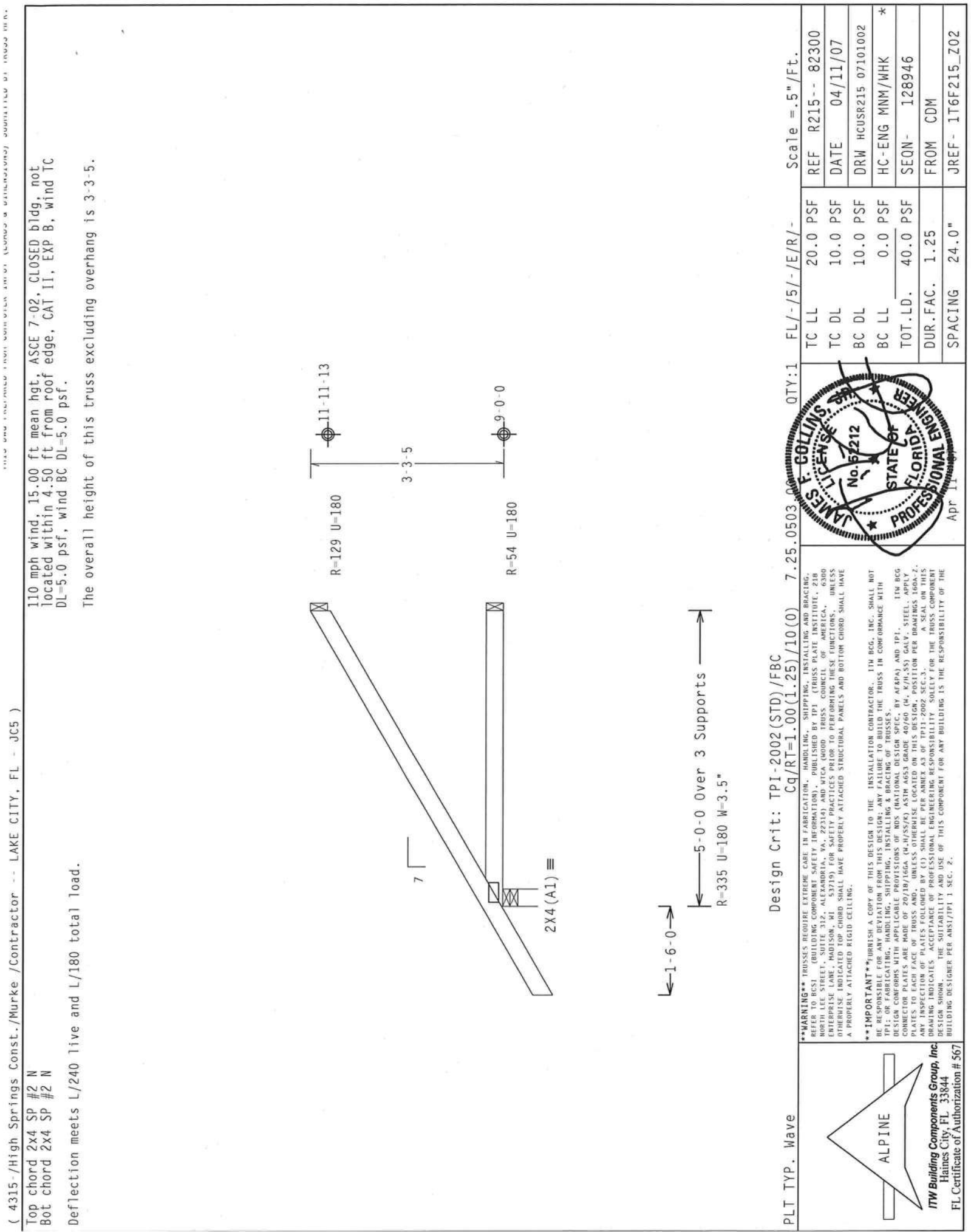


$\overleftarrow{1-6-0} \rightarrow$
 $\overleftarrow{3-0-0} \overrightarrow{\text{Over 3 Supports}}$
 $R=265 \quad U=180 \quad W=3.5''$

PLT TYP.	Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/1
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QTY:1 FL/-/5/-/E/R/- Scale = .5"/Ft.

 ALPINE ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2108 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTEGA (WOOD TRUSS COUNCIL OF AMERICA, 6300 WEST 15TH AVE., SUITE 100, DENVER, CO 80202) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, WOOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BDS NATIONAL DESIGN SPEC, BY AIA AND TPI. CONNECTOR PLATES ARE MADE OF 20/20/15GA (W/H/SS/S) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-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 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.														APPROVED FOR CONSTRUCTION	
	TC LL	20.0 PSF	REF	R215 --	82299											
	TC DL	10.0 PSF	DATE	04/11/07												
	BC DL	10.0 PSF	DRW	HCUSR215	07101014											
	BC LL	0.0 PSF	HC-ENG	EC/WHK	*											
	TOT.LD.	40.0 PSF	SEQN-	154294												
	DUR.FAC.	1.25	FROM	CDM												
SPACING	24.0"	JREF-	1T6F215_Z02													



PLT TYP. Wave		Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)		7.25.0503.00		QTY:1		FL/-/5/-/E/R/-		Scale =.5"/Ft.	
REF R215-- 82300		TC LL		20.0 PSF		DATE 04/11/07		DRW HCUSR215 07101002		HC-ENG MNM/WHK	
DATE 04/11/07		TC DL		10.0 PSF		SEQN- 128946		FROM CDM		JREF- 1T6F215_Z02	
BC DL		10.0 PSF		BC LL		0.0 PSF		TOT.LD.		40.0 PSF	
DUR.FAC.		1.25		SPACING		24.0"					

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.

The overall height of this truss excluding overhang is 3-3-5.

Top chord 2x4 SP #2 N

Bot chord 2x4 SP #2 N

Deflection meets L/240 live and L/180 total load.

2X4 (A1)

7

11-11-13

3-3-5

9-0-0

R-129 U=180

R-54 U=180

5-0-0 Over 3 Supports

R-335 U=180 W=3.5"

1-6-0

ALPINE

ITW Building Components Group, Inc.

Haines City, FL 33844

FL Certificate of Authorization # 567

James F. Collins

No. 67212

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Apr 11

ITW BCG SHALL 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 AITPA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2010/160A (4-N/SS/PS) ASTM A653 GRADE 40/60 (4, 8/11/SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATE CONNECTIONS AND, BY THE SIGNATURE OF THE DESIGNER, ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW BCG SHALL 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 AITPA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2010/160A (4-N/SS/PS) ASTM A653 GRADE 40/60 (4, 8/11/SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATE CONNECTIONS AND, BY THE SIGNATURE OF THE DESIGNER, ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - JE1)

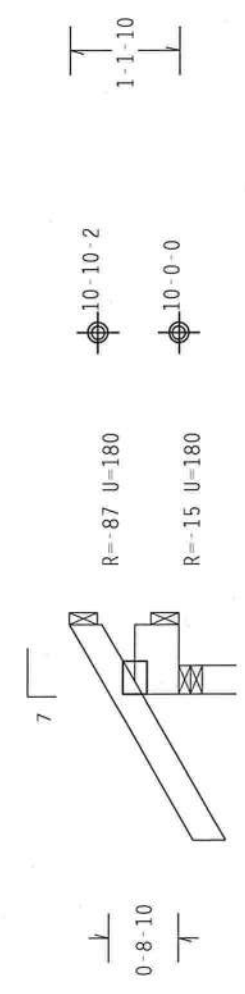
Top chord 2x4 SP #2 N
Bot chord 2x6 SP #2 N

Wind reactions based on MMFRS pressures.

The overall height of this truss excluding overhang is 1-1-10.

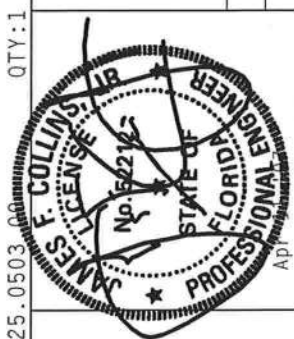
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)=0.18

Deflection meets L/240 live and L/180 total load.



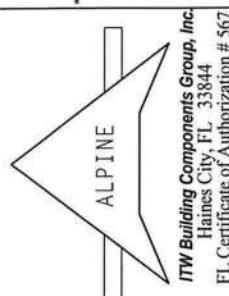
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

PLT TYP. Wave	QTY: 1	FL/-/5/-/E/R/-	Scale = .5"/Ft.	REF	R215--	82301
				DATE	04/11/07	
				DRW	HCUSR215	07101065
				HC-ENG	EC/WHK	
				SEQN-	154317	
				FROM	CDM	
				SPACING	24.0"	
				JREF-	1T6F215_Z02	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE COUNCIL OF AMERICA, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WEA (WOOD TRUSS ENTERPRISE LANE, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITN 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. CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/SS/K) ASTM A653 GRADE 40/60 (W, V/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 FABRICATOR. THE SIGNATURE AND SEAL OF THE DESIGNER SHALL BE USED FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



(4315 - /High Springs Const./Murke /Contractor -- LAKE CITY, FL - JE3)

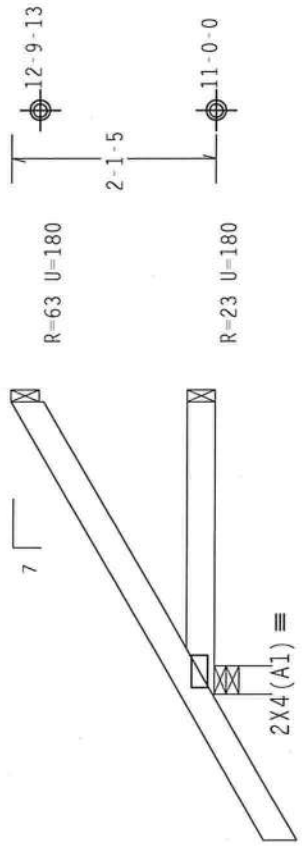
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 21-5.

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

Deflection meets L/240 live and L/180 total load.



1-6-0

3-0-0
3-0-0 Over 3 Supports
R=265 U=180 W=3.5"

Design Crit: TPI-2002 (STD) /FBC

PLT TYP. Wave	QTY: 1		FL / - / 5 / - / E / R / -		Scale = .5" / Ft.	
	REF	R215 - -	82303	DATE	04/11/07	DRW
ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	TC LL	20.0	PSF	BC LL	0.0	PSF
	TC DL	10.0	PSF	BC DL	10.0	PSF
ALPINE	TOT.LD.	40.0	PSF	SEQN -	154291	FROM CDM
	DUR.FAC.	1.25	SPACING	24.0"	JREF -	1T6F215_Z02

(4315- /High Springs Const./Murke /Contractor -- LAKE CITY, FL - JE5)

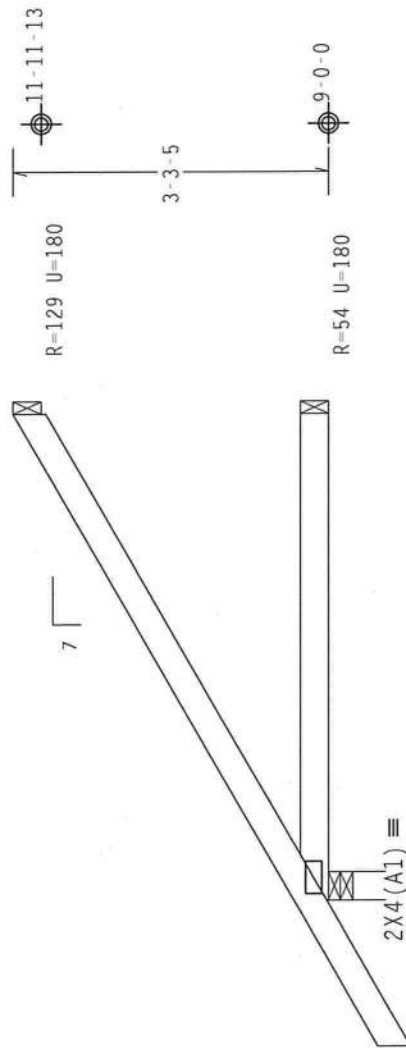
Top chord	2x4	SP	#2	N
Bot chord	2x4	SP	#2	N

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. $I_w=1.00$ GCp1(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 3-3-5.



1-6-0

← 5-0-0 Over 3 Supports →
R=335 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

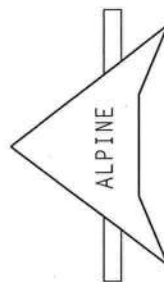
 $Cq/RT=1.00(1.25)/10(0)$

QTY:1 FL/-/5/-/E/R/-

Scale = .5"/Ft.

***WARNING:** THUSSES REQUIRE EXTREME CARE IN ERECTION, HANDLING, SHIPPING, INSTALLING AND BRACING TO PREVENT DAMAGE TO THE PRODUCT. FOR MORE INFORMATION, PLEASE CONTACT US AT (800) 679-7263 OR VISIT OUR WEBSITE AT WWW.KRUESSPLATEINSTITUTE.COM.
KALCON TO GESS BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY KALCON PLATE INSTITUTE, 5300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND WCA GROUP TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719. ALL SAFETY PRACTICES PERTAIN 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	R215--	82304
TC DL	10.0	PSF	DATE	04/11/07	
BC DL	10.0	PSF	DRW	HCUSR215	07101016
BC LL	0.0	PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0	PSF	SEQN-	154303	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T6F215	Z02



ITW Building Components Group, Inc.
Haines City, FL 33844
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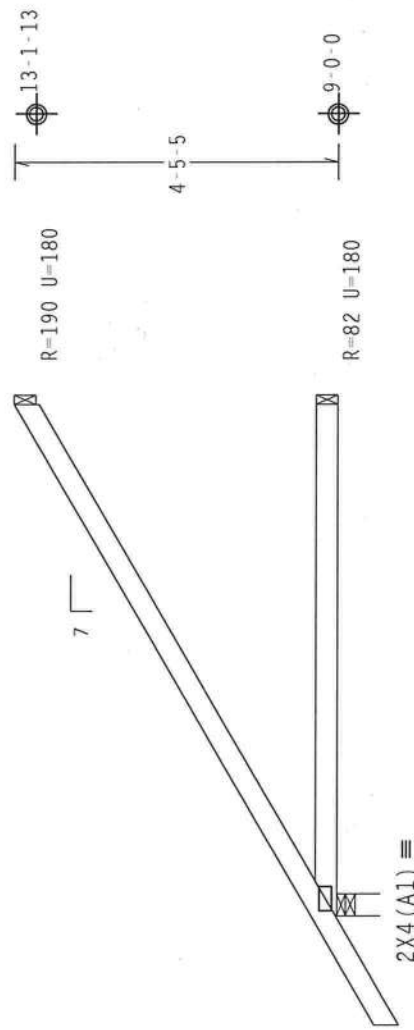
Top chord	2x4	SP	#2 N
Bot chord	2x4	SP	#2 N

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.

The overall height of this truss excluding overhang is 4-5-5.

Deflection meets L/240 live and L/180 total load.



✓ 1-6-07

7-0-0 Over 3 Supports

Design Crit: TPI-2002(STD)/FBC

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

QTY:1 FL/-/5/-/E/R/-

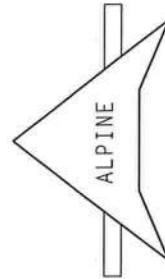
Scale = .375"/Ft.

WARNING: THUSSES REQUIRE EXTREME CARE IN ERECTION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION FOR PROPER HANDLING PRACTICES. PLEASE INSTITUTE, 2100 ENTERPRISE LANE, SUITE 312, ALEXANDRIA, VA 22314 AND WFLA GROUP TRUSS, CONNECTIONS, 1000 ENTERPRISE LANE, MADISON, MI 48279. 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 CELL.

****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.
TYPICAL FABRICATION, HANDLING, SHIPPING, INSTALLATION & BRACING OF TRUSSES.

CONNECTOR PLATES ARE MADE OF 7018/16GA (N/H/SS/K) ASTM A653 GRADE 40/40 (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 ANNEX A-3 OF TPI-2002 SEC. 2,
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
BEING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANS/TPI 1 SEC. 2.

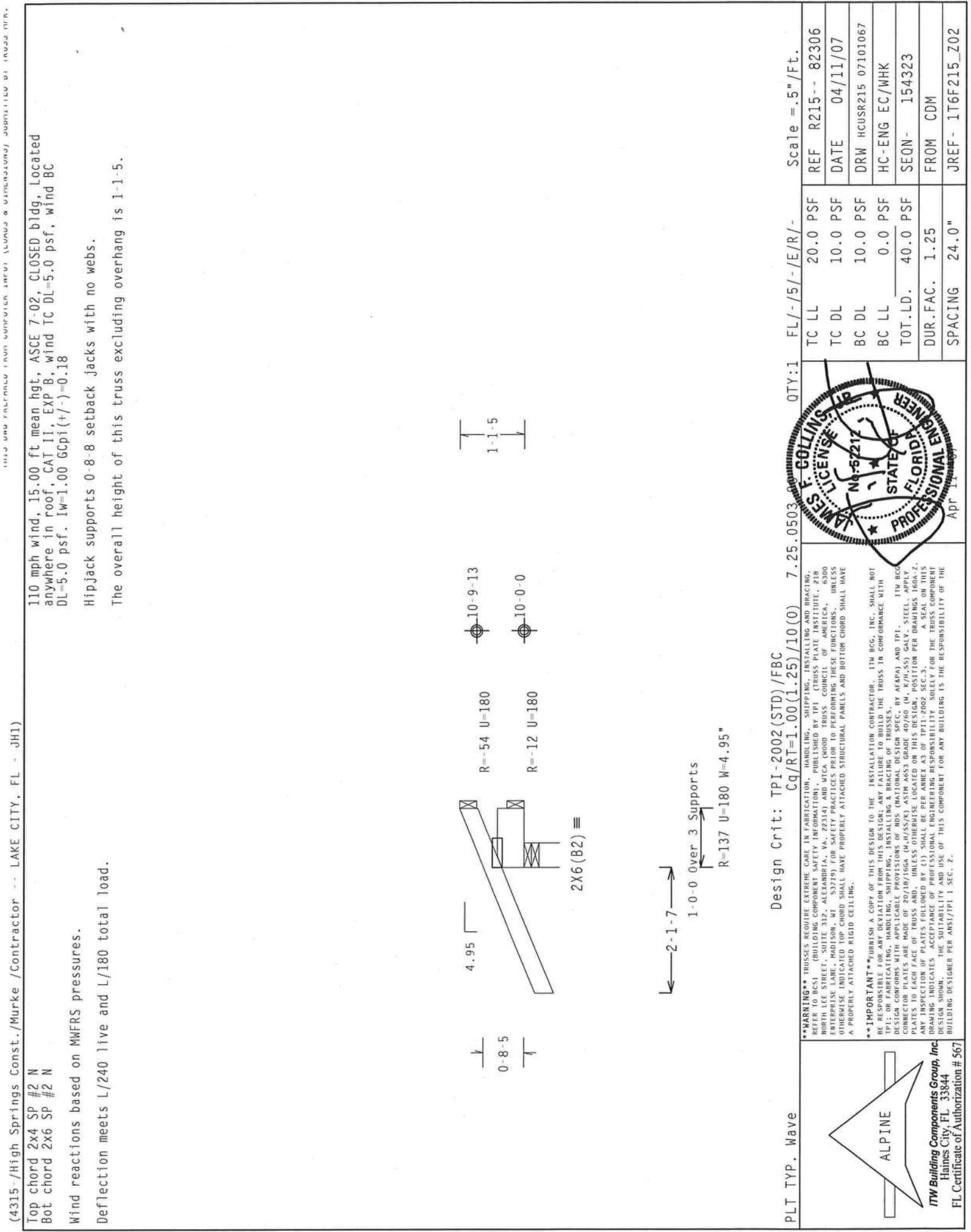


ITW Building Components Group, Inc.
Haines City, FL 33844

FL Certificate of Authorization # 567
Haines City, FL 33844



TC LL	20.0	PSF	REF R215-- 82305
TC DL	10.0	PSF	DATE 04/11/07
BC DL	10.0	PSF	DRW HCURS215 07101017
BC LL	0.0	PSF	HC-ENG EC/WHK *
TOT.LD.	40.0	PSF	SEQN- 154300
DUR.FAC.	1.25		FROM CDM
SPACING	24.0"		UREF- 1T6F215 Z02



(4315-/High Springs Const./Murke /Contractor -- LAKE CITY FL - JH1A)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 total 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. $I_w=1.00$ $G C p_i (+/-)=0.18$

Hipjack supports 1 0-0 setback jacks with no webs.

The overall height of this truss excluding overhang is 0-11-0.



$\overbrace{\hspace{1.5cm}}^{2.17}$
 1.5-0 Over 3 Supports
 $R=133 \quad U=180 \quad W=4.95"$

PLT TYP. Wave

	QTY:1	FL/-/5/-/E/R/-	Scale =.5"/Ft.
	TC LL	20.0 PSF	REF R215-- 82307
	TC DL	10.0 PSF	DATE 04/11/07
	BC DL	10.0 PSF	DRW HCUSR215 07101068
	BC LL	0.0 PSF	HC-ENG EC/WHK
	TOT.LD.	40.0 PSF	SEQN- 154469
	DUR.FAC.	1.25	FROM CDM
SPACING		24.0"	JREF- 1I6F215_Z02
Apr 11 '07			

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT SAFETY INFORMATION PUBLISHED BY THE TRUSS PLATE INSTITUTE, 200 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND NITA (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 APA) 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 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX 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 SEC. 2.

Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N

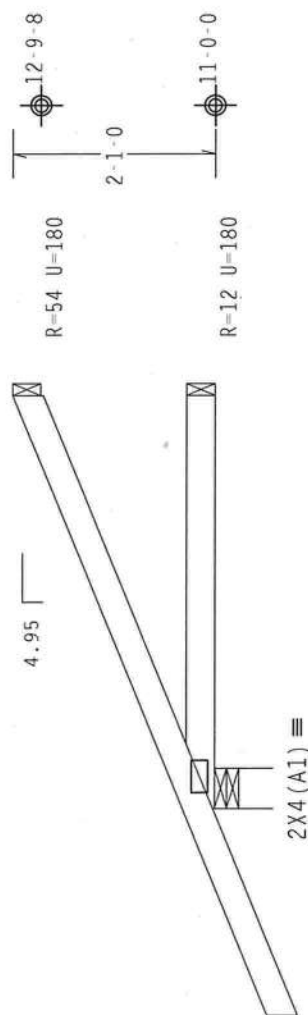
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

Hipjack supports 3-0-0 setback jacks with no webs.

The overall height of this truss excluding overhang is 2-1-0.



2-1-7

← 4-2-15 Over 3 Supports →
R=221 U=180 W=4.95"

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

PLT TYP. Wave

0503.00 QTY:1 FL/-/5/-/E/R/-

Scale = .5"/Ft.

WARNING: THUSSES REQUIRE EXTREME CARE IN ERECTION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY THE MANUFACTURER FOR ADDITIONAL INFORMATION. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND TRUSS COUNCIL OF AMERICA, 4000 ENTERPRISE LANE, MADISON, WI 53719, 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 R215-- 82308
TC DL	10.0	PSF	DATE 04/11/07
BC DL	10.0	PSF	DRW HCUSR215 07101069
BC LL	0.0	PSF	HC-ENG EC/WHK
TOT.LD.	40.0	PSF	SEQN- 154282
DUR.FAC.	1.25		FROM CDM
SPACING	24.0"		JREF- 1T6F215 Z02

James F. Collins, Jr.
Professional Engineer
State of Florida
License No. 52212
April 1998

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO REGS) BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY THE TRUSS PLATE INSTITUTE, 2108 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND VTC-6000 TRUSS CONSULTING FIRM, 6500 ENTERPRISE LANE, BOWLING GREEN, KY 57219 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGNER'S COMMENTS: ALL APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC; BY AF&PA) AND TPI... ITW BEG TRUSS COMPANY, 2018/1606 (4/15/57/3) ASTM A653 GRADE 40/60 (4, 4/74/53) GALV. STEEL, APPLY PLATES TO EXPOS FACE OF TRUSSES. ALL WELDS MUST BE INSULATED COATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY A QUALIFIED PERSON AS REQUIRED BY ACP 11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ASD/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
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Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

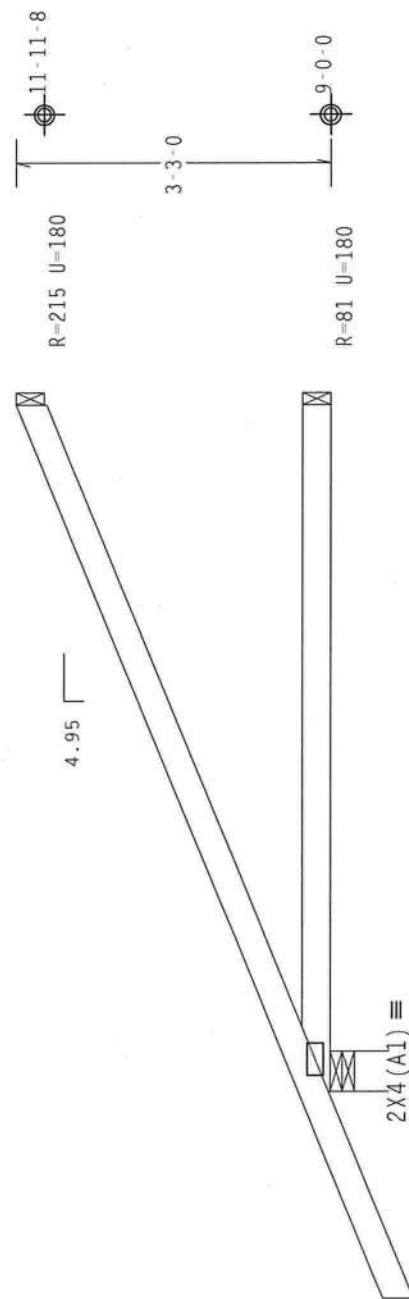
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total 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

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

The overall height of this truss excluding overhang is 3-3-0.



$\overbrace{\hspace{1.5cm}}^{2-1-7}$
 $\overbrace{\hspace{10cm}}^{7-0-14 \text{ Over } 3 \text{ Supports}}$
 R-310 U=180 W=4.949"

PLT TYP. Wave

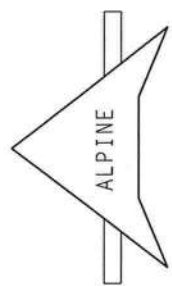
FL / - / 5 / - / E / R / -		Scale = .5" / Ft.
TC LL	20.0 PSF	REF R215-- 82309
TC DL	10.0 PSF	DATE 04/11/07
BC DL	10.0 PSF	DRW HCUSR215 07101070
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 154314
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T6F215_Z02



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

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

TPI CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ITW BCG CONTRACTOR PLATES ARE MADE OF 2017/106GA (44/555K) ASTM A653 GRADE 40/60 (44, K/41-55) GALV. STEEL. ALL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2 THROUGH 160D-2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER POSITIONING OF ALL TRUSS COMPONENTS. THE DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR THE RESPONSIBILITY OF THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNED PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
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(4315 -/High Springs Const./Murke /Contractor -- LAKE CITY, FL - JH10)

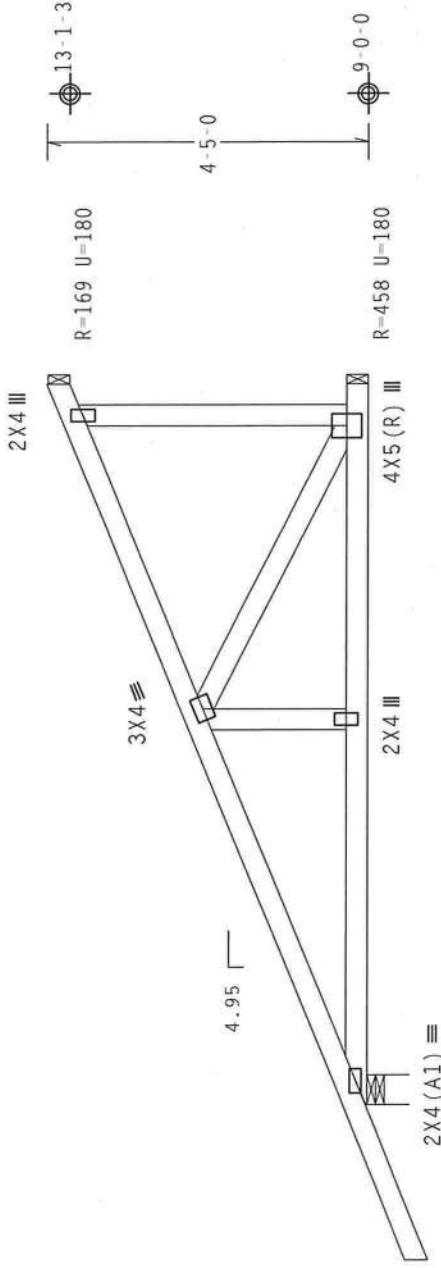
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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.

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

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 4'-5" 0".



9-10-13 Over 3 Supports
R=466 U=180 W=4.95"

Design Crit: TPI-2002 (STD) /FBC

QTY: 1

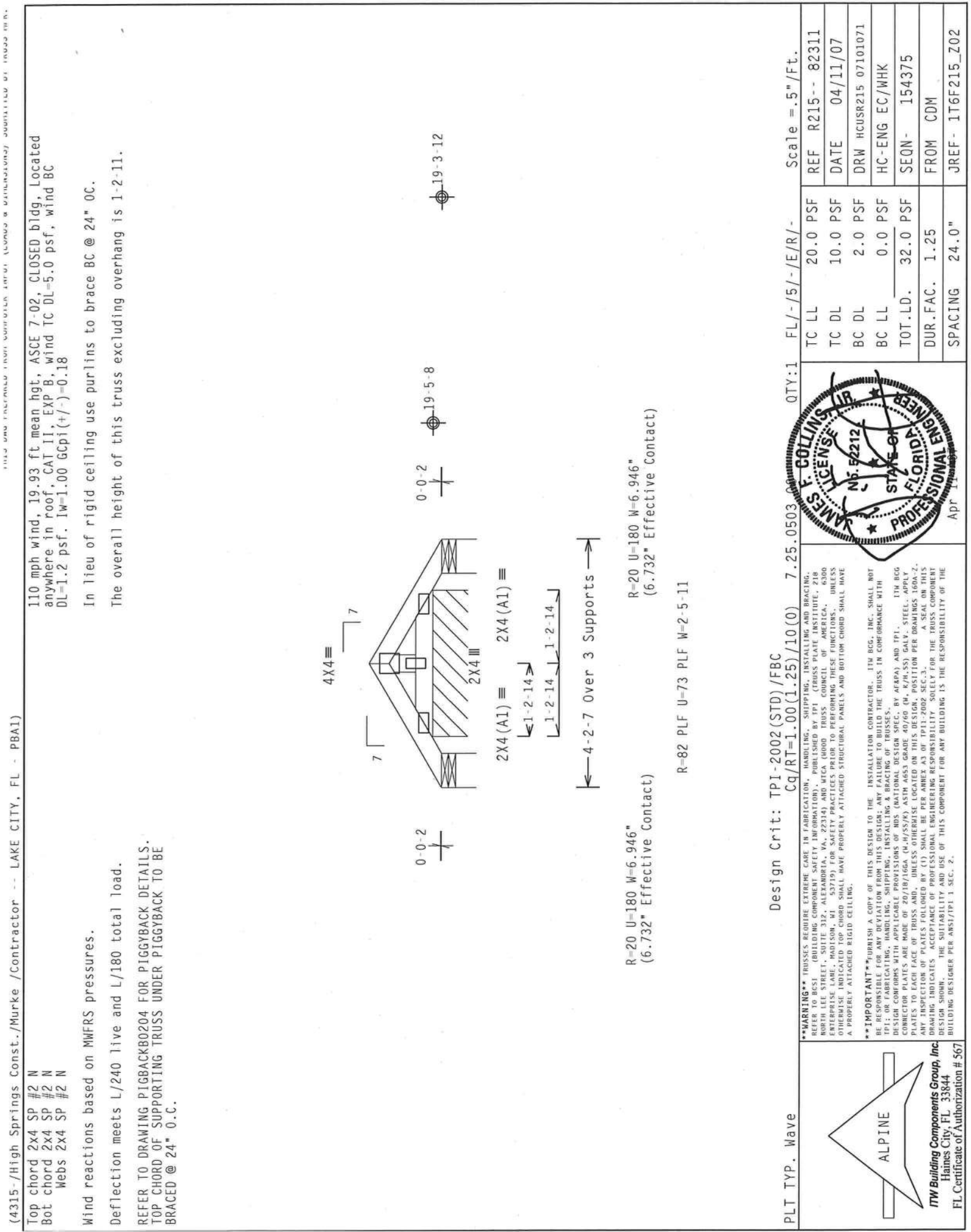
Scale = .375"/Ft.

 ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	PLT TYP. Wave		Design Crit: TPI-2002 (STD) /FBC		QTY: 1		FL / - / 5 / - / E / R / -		Scale = .375"/Ft.	
	REF R215-- 82310		TC LL 20.0 PSF		TC DL 10.0 PSF		BC DL 10.0 PSF		BC LL 0.0 PSF	
	DATE 04/11/07		TOT.LD. 40.0 PSF		DUR.FAC. 1.25		SPACING 24.0"		FROM CDM	
	DRW HCUSR215 07101001		HC-ENG MNM/WHK		SEQN- 128959		JREF- 1T6F215_Z02			



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

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH 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. 1TH BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (N.H/SSX) ASTM A653 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. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR 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.



(4315-/High Springs Const./Murke /Contractor -- LAKE CITY, FL - PBA1)

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

Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load.

REFER TO DRAWING PIGGYBACK0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.

110 mph wind, 19-93 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf, lw=1.00 Gcpi(+/-)=0.18

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
The overall height of this truss excluding overhang is 1-2-11.

4x4 = 7
2x4(A1) = 2x4(A1) = 7
1-2-14
1-2-14
4-2-7 Over 3 Supports

0-0-2
19-3-12
19-5-8

R=20 U=180 W=6.946"
(6.732" Effective Contact)

R=82 PLF U=73 PLF W=2-5-11

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503

Scale = .5" / Ft.

PLT TYP. Wave

QTY:1 FL/-/5/-/E/R/-

TC LL 20.0 PSF
TC DL 10.0 PSF
BC DL 2.0 PSF
BC LL 0.0 PSF
TOT.LD. 32.0 PSF
DUR.FAC. 1.25
SPACING 24.0"

REF R215-- 82311
DATE 04/11/07
DRW HCUSR215 07101071
HC-ENG EC/WHK
SEQN- 154375
FROM CDM
JREF- 1T6F215_Z02

JAMES F. COLLINS, INC.
PROFESSIONAL ENGINEER
FLORIDA
No. 52212
Apr 11

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

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

Wind reactions based on MwFRS pressures.

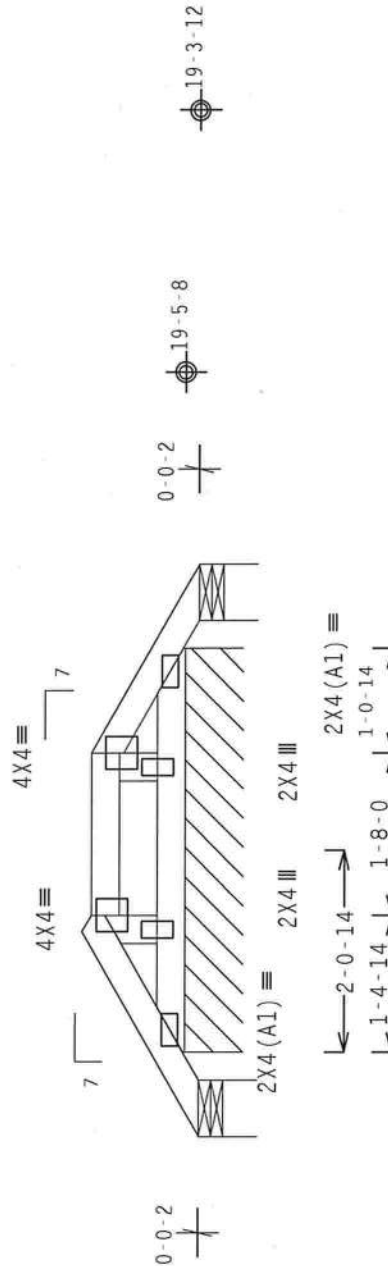
Deflection meets L/240 live and L/180 total load.

REFER TO DRAWING PIGBACK0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE
BRACED @ 24" O.C.

110 mph wind, 19.93 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=1.2 psf. $I_w=1.00$ GCpi(+/-)=0.18

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

The overall height of this truss excluding overhang is 1-2-12.

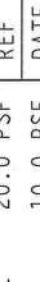


R=18 U=180 W=6.946" R=76 PLF U=43 PLF W=4-1-12
(6.732" Effective Contact)

R=21 U=180 W=6.946"
(6.732" Effective Co

PLT TYP. Wave

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



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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY ITW (TRUSS PLATE INSTITUTE, 218 WINTER STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND RECA (4000 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 ITW BCG, INC. FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND ITW BCG TRUSS (2016/16GSS/AS) ASH 6653 GRADE 40/60 (M, K/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS. TRUSS SHALL BE PROTECTED FROM FIRE BY MEANS OF AN APPROVED FIRE-RESISTANT DESIGN. ANY INSPECTION OF PLATES FOLLOWED BY (1) TO VERIFY THE TRUSS COMPLIES WITH THE DESIGN INDICATES. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPLIANCE WITH THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/ITP 1 SEC. 2.

REF	R215 -	82312	
DATE	04/11/07		
DRW	HCUSR215	07101072	
	HC-ENG	EC/WHK	
SEON-	154379		
FROM	CDM		
JREF-	1T6F215	Z02	

Haines City, FL 33844
FL Certificate of Authorization # 567

Top	chord	2x4	SP	#2	N
3ot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

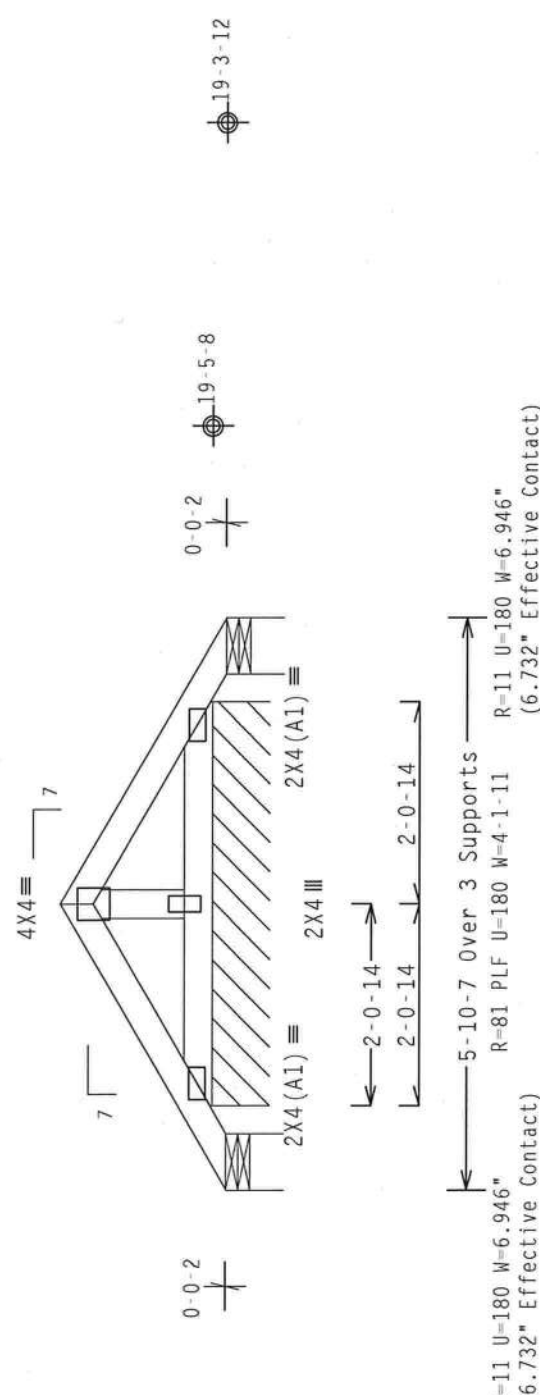
The overall height of this truss excluding overhang is 1-8-9.

REFER TO DRAWING PIGBACK0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE
BRACED @ 24" O.C.

1110 mph wind, 19.93 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=1.2 psf, $I_w=1.00$ GCpi(+/-)=0.18

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

Deflection meets L/240 live and L/180 total load.



R-11 U=180 W=6.946"
(6.732" Effective Contact)

PLT TYP. Wave

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

 ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPTI (TRUSS PLATE INSTITUTE, 2318 NORTHEE LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (4000 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 IPTI; ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND IPTI. 17TH BCG CONNECTION PLATES ARE MADE OF 20/10/16GA (W/JSS/P) ASTM A653 GRADE 40/60 (W, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AME# A3 OF IPTI-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/IPTI 1 SEC. 2.		TC LL 20.0 PSF	REF R215 - 82313
			TC DL 10.0 PSF	DATE 04/11/07
			BC DL 2.0 PSF	DRW HCUSR215 07101073
			BC LL 0.0 PSF	HC-ENG EC/WHK
			TOT. LD. 32.0 PSF	SEQN- 154382
			DUR. FAC. 1.25	FROM CDM
			SPACING 24.0"	JREF- 1T6F215_Z02

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

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

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

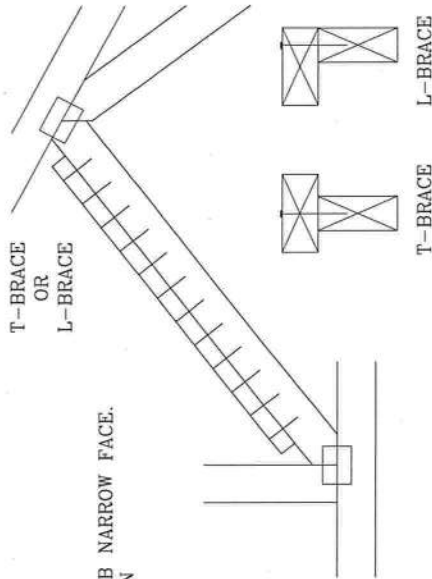
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

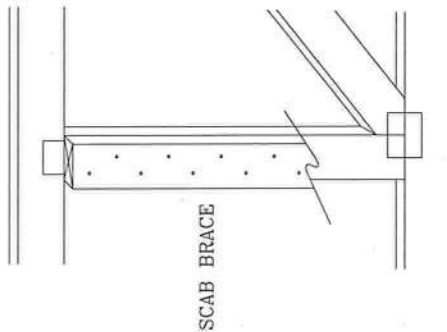
T-BRACING
OR
L-BRACING:

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



SCAB BRACING:

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



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND REMOVING. FOR MORE INFORMATION, PLEASE CONTACT THE MANUFACTURER OF THE PRODUCT OR THE FOLLOWING INSTITUTIONS: 218 NORTH LEE ST., SUITE 312, ALEXANDRIA, VA 22304 AND VICTOR TRUSS CO., INC., P.O. BOX 6900, WILMINGTON, DE 19806-0690. IF YOU ARE OUTSIDE THE UNITED STATES, CONTACT THE COMPANY IN AMERICA, 6300 NORTHEAST LN., MISSISSAUGA, ONTARIO L4V 1V7 (CANADA) OR 53719 (U.S.). TO PREVENT 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. BCG SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & SPEC. OF TRUSSES DESIGN CONFORMS WITH TPI OR APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&P) AND TPI. BCG CONNECTOR PLATES ARE MADE OF 20/28/16GA CW/455/CS ASTM A653 GRADE 40/60 CW/45/53 GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND/OR OTHERWISE LOCATED ON CW/45/53 DESIGN POSITION PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEXX 43 OF TPI 1-2008 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER. THIS SEAL IS THE SIGNATURE OF THE DESIGNING ENGINEER. THE SEALING AND SIGNATURE OF THIS DRAWING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER TPI/1-2008 SEC. 2.



ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	BRCCLBSUB0207
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

THIS DRAWING REPLACES DRAWING 579 640

SPACING

BEARING BLOCK NAIL SPACING DETAIL

MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

NAIL TYPE	CHORD SIZE				
	2X4	2X6	2X8	2X10	2X12
8d BOX (0.113"X 2.5",MIN)	3	6	9	12	15
10d BOX (0.128"X 3",MIN)	3	5	7	10	12
12d BOX (0.128"X 3.25",MIN)	3	5	7	10	12
16d BOX (0.135"X 3.5",MIN)	3	5	7	10	12
20d BOX (0.148"X 4",MIN)	2	4	5	6	8
8d COMMON (0.131"X 2.5",MIN)	3	5	7	10	12
10d COMMON (0.148"X 3",MIN)	2	4	6	8	10
12d COMMON (0.148"X 3.25",MIN)	2	4	6	8	10
16d COMMON (0.162"X 3.5",MIN)	2	4	6	8	10
GUN (0.120"X 2.5",MIN)	3	6	8	11	14
GUN (0.131"X 2.5",MIN)	3	5	7	10	12
GUN (0.120"X 3",MIN)	3	6	8	11	14
GUN (0.131"X 3",MIN)	3	5	7	10	12

MINIMUM NAIL SPACING DISTANCES

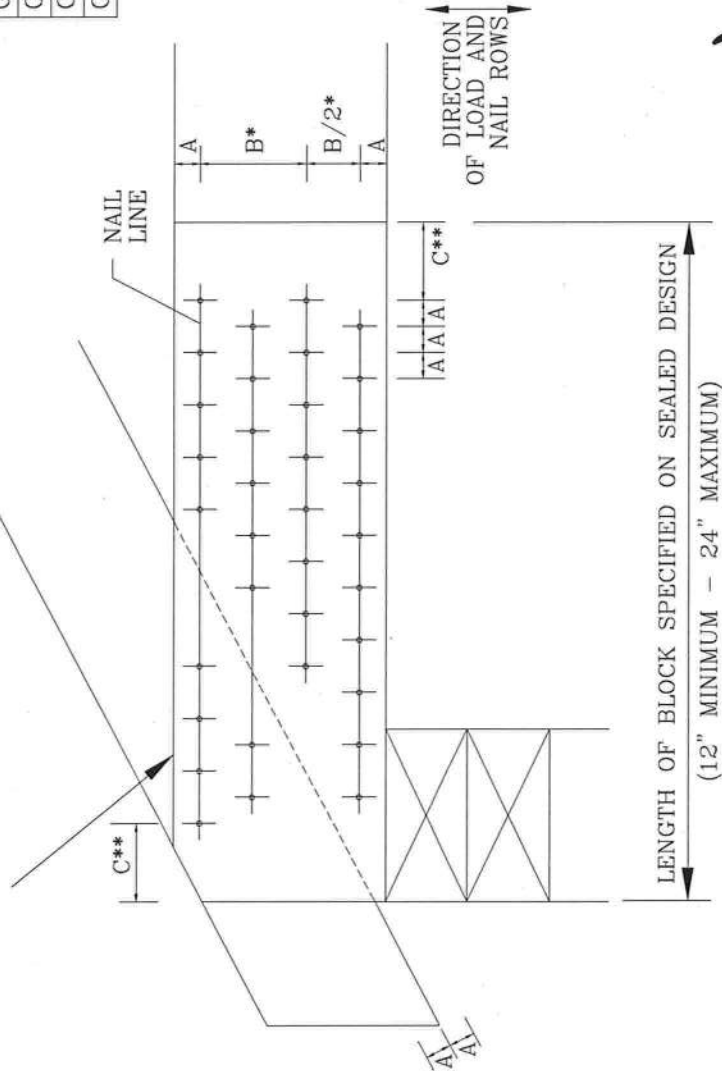
NAIL TYPE	DISTANCES		
	A	B*	C**
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"X 3",MIN)	7/8"	1 5/8"	2"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"X 4",MIN)	1"	1 7/8"	2 1/4"
8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"
10d COMMON (0.148"X 3",MIN)	1"	1 7/8"	2 1/4"
12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"
16d COMMON (0.162"X 3.5",MIN)	1"	2"	2 1/2"
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"
GUN (0.120"X 3",MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 3",MIN)	7/8"	1 5/8"	2"

MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

- A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C - END DISTANCE (15 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
• SPACING MAY BE REDUCED BY 50%
• SPACING MAY BE REDUCED BY 33%

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (F_c -perp) IS AT LEAST THAT OF THE CHORD.



THIS DRAWING REPLACES DRAWING B139 AND CNBRGK0699

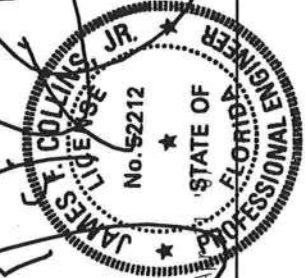
REF	BEARING BLOCK
DATE	2/23/07
DRWG	CNBRGK0207
-ENG	SJP/KAR

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS INSTITUTE, 218 NORTH LEE STR., SUITE 312 ALEXANDRIA, VA 22314 AND WTCA (WOOD TRUSS CONSTRUCTION), PUBLISHED BY WOODWORKING INSTITUTE, 6300 ENTERPRISE LN, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN 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 2018/16GA G3/H/SSXO ASTM A653 GRADE 40/68 G3/H/SSXO. EACH CONNECTOR PLATE SHALL BE PROPERLY ATTACHED TO THE TRUSS CHORDS IN THIS DESIGN POSITION PER DRAWING B139. ANY INSURING OF THIS TRUSS SHALL BE THE RESPONSIBILITY OF THE 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.
POMPANO BEACH, FLORIDA



CLIENT	HIGH SPEEDS CONST.	DATE	7 JUN 07
PROJECT NAME	MORRISON RES. FT. WHITE	PROJECT NO.	
EARTH CONTRACTOR	829 SW FEATHER LN.	PERMIT NO.	# 000025788
COMPACTION REQUIREMENT (%)	95%	TESTED BY	JWC
TOTAL ON-SITE TIME		FIELD CONTACT	
		MILES FROM OFFICE	
☐ Limerock ☐ Subgrade ☐ Pipe Backfill ☒ Building Pad ☐ Building Footing ☐ Other			

[illegible]

REMARKS _____

- * Density failed to meet minimum project requirement
- ** Retest indicates minimum density requirement was obtained.
- () Client is aware of unsatisfactory test results.

CERTIFICATE OF OCCUPANCY

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 25-7S-16-04321-024

Building permit No. 000025788

Use Classification SFD, UTILITY

Fire: 0.00

Permit Holder DONNIE DAVIS

Waste:

Owner of Building DERREL & JEFFIFER MORKERSON

Total: 0.00

Location: 829 SW FEATHER LANE, FT. WHITE, FL

Date: 10/23/2007

Zany Dick

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)





#25788

P.O. BOX 587
GAINESVILLE, FLORIDA 32627-5878PHONE (352) 373-3642
FAX (352) 373-9037

CATE OF PROTECTIVE TREATMENT

Time:

AM

PM

Chemical Used:

Gallons Used:

Sw Feather LN

ing Eut'n Garage Patic

Bifenthrin

680 Gal