

DATE 03/27/2007

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000025656

APPLICANT LINDA RODER PHONE 752-2281
ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024
OWNER ANDY CRAWLEY PHONE
ADDRESS 349 SW OAKWOOD COURT LAKE CITY FL 32024
CONTRACTOR ROGER WHIDDON PHONE 867-0812
LOCATION OF PROPERTY 47S, TR ON 240, TR ON MAULDIN, TR ON DOCKERY LANE, TL ON OAK COURT, 9TH LOT ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 82750.00
HEATED FLOOR AREA 1655.00 TOTAL AREA 2377.00 HEIGHT STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING A-3 MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE X PP DEVELOPMENT PERMIT NO.

PARCEL ID 34-4S-16-03276-110 SUBDIVISION HUNTERS OAK
LOT 11 BLOCK PHASE UNIT TOTAL ACRES

000001356 CRC1328025
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT 07-226 BK JH Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE
SEC 2.3.1 LEGAL NON-CONFORMING LOT OF RECORD

Check # or Cash 385

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 415.00 CERTIFICATION FEE \$ 11.88 SURCHARGE FEE \$ 11.88
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 538.76

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 INCONVIENCE, 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.

Lot 11 Hunters Oak

CK# 385

538.76

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0703-31 Date Received 3/12/07 By GT Permit # 1356/2656
Application Approved by - Zoning Official BLK Date 16.03.07 Plans Examiner OK JFH Date 3-15-07
Flood Zone Xppld Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
Comments Section 2.3.1 Legal Non-conforming Lot 11
SK 1/106

Applicants Name Linda Roder Phone 752-2281
Address 387 SW Kemp Ct Lake City FL 32024
Owners Name Andy Crawley Phone _____
911 Address 349 SW Oakwood Lake City FL 32024
Contractors Name Roger Whiddon of Whiddon Construction Phone 867-0812
Address 582 NW Brook Look Lake City FL 32055
Fee Simple Owner Name & Address NA
Bonding Co. Name & Address NA
Architect/Engineer Name & Address Will Myers/ Nick Geisler
Mortgage Lenders Name & Address Peoples State Bank
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 34-45-16-03276-110 Estimated Cost of Construction 135 K
Subdivision Name Hunters Oak Lot 11 Block _____ Unit _____ Phase _____
Driving Directions 475, R on 240, R on Maudlin, R on SW
Dockery LN, L on SW Oakwood Ct, 10th Lot down on R

Type of Construction SFD Number of Existing Dwellings on Property 0
Total Acreage 2.10 Acres Lot Size 151 X 612 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 97'-1" Side 50'-7" Side 50'-7" Rear 43'-3"
Total Building Height 17'-6" Number of Stories 1 Heated Floor Area 1655 Roof Pitch 6-12
TOTAL 2371

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.

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Owner Builder or Agent (Including Contractor) Linda R. Roder License # DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this _____ day of _____ 20____
Personally known _____ or Produced Identification _____

Contractor Signature X RW Whiddon
Contractors License Number CRC 1328025
Competency Card Number _____
NOTARY STAMP/SEAL

Notary Signature

Letter of authorization

Notice of Authorization

I Roger Whiddon do hereby authorize Linda or Melanie Roder

to be my representative and act on my behalf in all aspects of applying for a septic and building permit to be located in Columbia county.

The name of the home owner is Andy Crawley.

Legal description 34-45-16-03276-110. Lots 10+11 Hunters Oak

X RW Whiddon
Contractor's signature

2-27-07

Date

Sworn and subscribed before me this 27 day of Feb., 2007.

[Signature]
Notary Public



Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

My commission expires: _____

Commission No. _____

Personally known ✓

Produced ID (Type): _____

Prepared By And Return To: W. E. Crews
~~At 8-Box 844~~ 1253 NW SCENIC LAKE DR.
Lake City, Florida 32055

Parcel Number(s): 03276-110

WARRANTY DEED

This Warranty Deed made and executed the 1st day of July, 2003
by W. E. Crews and Betty B. Crews, his wife

Grantor,

to Andy Crawley
address: 120 w Rezanof Drive, Kodiak, AK 99615

Grantee,

(Wherever used herein the terms "Grantor" and "Grantee" shall include singular and plural, heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

W-itnesseeth: That the Grantor, for and in consideration of the sum of TEN DOLLARS (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, by these presents does grant, bargain, sell, alien, remise, release, convey and confirm unto the Grantee all that certain land situate, lying and being in COLUMBIA County, State of Florida, viz:

Lots 10 and 11, Hunter's Oak, a subdivision according to the plat thereof recorded in Plat Book 6, page 57, public records of Columbia County, Florida.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining. To have and to hold the same in fee simple forever. And 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, and hereby 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 easements, restrictions and reservations of record, if any, and taxes accruing subsequent to December 31, 2002.

In witness whereof the said Grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered
in the presence of:

Barbara A. Fraddosio
Witness:

W. E. Crews
W. E. Crews

Barbara A. Fraddosio
Witness:

Brenda Stryons
Witness:

Betty B. Crews
Betty B. Crews

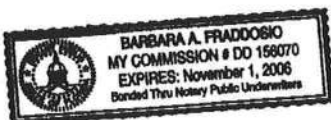
BRENDA STRYONS
Witness:

STATE OF FLORIDA
COUNTY OF Columbia

I hereby certify that on this day, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared W. E. Crews and Betty B. Crews, his wife, who produced the identification described below, and who acknowledged before me that they executed the foregoing instrument.

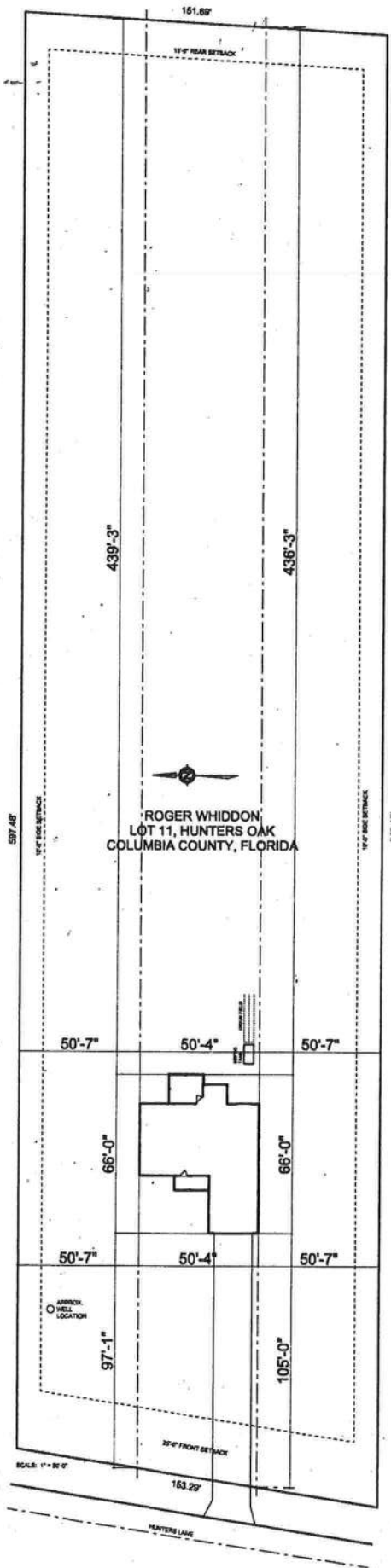
Witness my hand and official seal in the county and state aforesaid this 1st day of July, 2003.

Barbara A. Fraddosio
Notary Public:
Identification Examined:
Drivers License



Inst:2006028959 Date:12/08/2006 Time:14:19
Doc, Stamp-Deed : 0.70

DC, P. Dewitt Cason, Columbia County B:1104 P:971



FROM :

FAX NO. : 386-755-7022

Sep. 17 2002 01:52PM P1

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 755-1234
FAX (904) 755-7022
XXXXXXXXXXXXXXXXXXXX
LAKE CITY, FLORIDA 33555
904 NW Main Blvd.

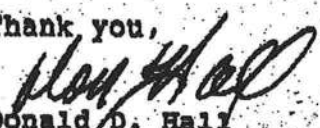
June 12, 2002

NOTICE TO ALL CONTRACTORS

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

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

Thank you,


Donald D. Hall
DDH/jk

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

The 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.

1. Description of property:

Loc 11, HUNTER'S OAK, according to the map or plat thereof as recorded in Plat Book 6, Page 57, public records of Columbia County, Florida.

2. General description of improvement: Construction of Dwelling;

3. Owner information:

a. Name and address: ANDY CRAWLEY a/k/a ANDREW R. CRAWLEY
120 W Rezanof Drive, Kodiak, AL 99615

b. Interest in property: Fee Simple

c. Name and address of fee simple title holder (if other than Owner):

4. Contractor: WHIDDON CONSTRUCTION COMPANY
582 NW Brook Loop, Lake City, FL 32055

5. Surety

a. Name and address: None

6. Lender: PEOPLES STATE BANK,
350 SW Main Blvd., Lake City, Florida 32025.

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: None

8. In addition to himself, Owner designates LONNIE T. HALTIWANGER of PEOPLES STATE BANK, 350 SW Main Blvd., Lake City, Florida 32025, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified).
March 16, 2008.

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY that the above and foregoing
is a true copy of the original filed in this office.
P. DeWITT EASON, CLERK OF COURTS

By: [Signature]
Deputy Clerk

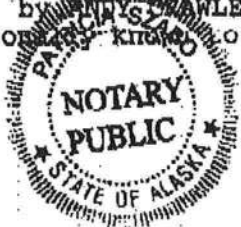
Date: 3/21/2007



[Signature]
ANDREW R. CRAWLEY

[Signature]
ALICE K. CRAWLEY

The foregoing instrument was acknowledged before me this 14th day of March, 2006, by ANDREW R. CRAWLEY a/k/a ANDREW R. CRAWLEY and ALICE K. CRAWLEY, who are personally known to me and did not take an oath.



[Signature]
Notary Public

My commission expires: 12/31/08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Roger Whiddon - Lot 11	Builder:	Roger Whiddon
Address:	Lot: 11, Sub: Hunters Oak, Plat:	Permitting Office:	Columbia
City, State:	Lake City, FL 32025-	Permit Number:	25656
Owner:	Rosewood Model	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: 39.0 kBtu/hr SEER: 12.00
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?	No	___	13. Heating systems	
6. Conditioned floor area (ft²)	1655 ft²	___	a. Electric Heat Pump	Cap: 39.0 kBtu/hr HSPF: 7.00
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	b. N/A	___
a. U-factor:	Description Area	___	c. N/A	___
(or Single or Double DEFAULT)	7a(Sngle Default) 253.7 ft²	___	14. Hot water systems	
b. SHGC:		___	a. Electric Resistance	Cap: 50.0 gallons EF: 0.90
(or Clear or Tint DEFAULT)	7b. (Clear) 253.7 ft²	___	b. N/A	___
8. Floor types		___	c. Conservation credits	___
a. Slab-On-Grade Edge Insulation	R=0.0, 178.0(p) ft	___	(HR-Heat recovery, Solar	___
b. N/A	___	___	DHP-Dedicated heat pump)	___
c. N/A	___	___	15. HVAC credits	PT, ___
9. Wall types		___	(CF-Ceiling fan, CV-Cross ventilation,	___
a. Frame, Wood, Exterior	R=13.0, 950.3 ft²	___	HF-Whole house fan,	___
b. Frame, Wood, Adjacent	R=13.0, 182.0 ft²	___	PT-Programmable Thermostat,	___
c. N/A	___	___	MZ-C-Multizone cooling,	___
d. N/A	___	___	MZ-H-Multizone heating)	___
e. N/A	___	___		___
10. Ceiling types		___		___
a. Under Attic	R=30.0, 1725.0 ft²	___		___
b. N/A	___	___		___
c. N/A	___	___		___
11. Ducts(Leak Free)		___		___
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft	___		___
b. N/A	___	___		___

Glass/Floor Area: 0.15

Total as-built points: 23796

Total base points: 24567

PASS

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

PREPARED BY: *[Signature]*

DATE: 2-15-07

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

OWNER/AGENT: *[Signature]*

DATE: 2-15-07

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

BUILDING OFFICIAL: _____

DATE: _____



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

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

ADDRESS: Lot: 11, Sub: Hunters Oak, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	1655.0	20.04	5969.9	Single, Clear	W	1.5	8.0	60.0	43.84	0.96	2520.1
				Single, Clear	W	13.5	8.0	30.0	43.84	0.43	561.4
				Single, Clear	W	1.5	8.0	30.0	43.84	0.96	1260.0
				Single, Clear	SW	10.7	8.0	20.0	45.75	0.44	402.5
				Single, Clear	S	15.5	8.0	15.0	40.81	0.45	277.2
				Single, Clear	N	1.5	8.0	30.0	21.73	0.97	630.5
				Single, Clear	N	1.5	8.0	2.7	21.73	0.97	56.7
				Single, Clear	E	7.5	8.0	30.0	47.92	0.53	766.9
				Single, Clear	E	1.5	8.0	16.0	47.92	0.96	734.2
				Single, Clear	S	1.5	8.0	20.0	40.81	0.92	753.6
				As-Built Total:		253.7			7963.0		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	182.0	0.70	127.4	Frame, Wood, Exterior	13.0		950.3		1.50		1425.4
Exterior	950.3	1.70	1615.5	Frame, Wood, Adjacent	13.0		182.0		0.60		109.2
Base Total:				1132.3		1742.9		As-Built Total:		1132.3	
DOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	18.0	1.60	28.8	Exterior Insulated			20.0		4.10		82.0
Exterior	20.0	4.10	82.0	Adjacent Insulated			18.0		1.60		28.8
Base Total:				38.0		110.8		As-Built Total:		38.0	
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1655.0	1.73	2863.2	Under Attic	30.0		1725.0		1.73 X 1.00		2984.3
Base Total:				1655.0		2863.2		As-Built Total:		1725.0	
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	178.0(p)	-37.0	-6586.0	Slab-On-Grade Edge Insulation	0.0		178.0(p)		-41.20		-7333.6
Raised	0.0	0.00	0.0								
Base Total:				-6586.0		As-Built Total:		178.0		-7333.6	
INFILTRATION Area X BSPM = Points						Area X SPM = Points					
1655.0 10.21 16897.6						1655.0 10.21		16897.6			

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

ADDRESS: Lot: 11, Sub: Hunters Oak, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 20998.3				Summer As-Built Points: 22156.7						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.09 x 1.000 x 1.00)	X System Multiplier	X Credit Multiplier	=	Cooling Points
20998.3	0.4266		8957.9	22157	1.00	0.284	0.950			6525.4
				22156.7	1.00	1.090	0.284	0.950		6525.4

(sys 1: Central Unit 39000 btuh ,SEER/EFF(12.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 11, Sub: Hunters Oak, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1655.0	12.74	3795.2	Single, Clear	W	1.5	8.0	60.0	28.84	1.01	1749.6
				Single, Clear	W	13.5	8.0	30.0	28.84	1.21	1050.6
				Single, Clear	W	1.5	8.0	30.0	28.84	1.01	874.8
				Single, Clear	SW	10.7	8.0	20.0	24.09	1.76	845.9
				Single, Clear	S	15.5	8.0	15.0	20.24	3.49	1060.3
				Single, Clear	N	1.5	8.0	30.0	33.22	1.00	997.5
				Single, Clear	N	1.5	8.0	2.7	33.22	1.00	89.8
				Single, Clear	E	7.5	8.0	30.0	26.41	1.27	1005.1
				Single, Clear	E	1.5	8.0	16.0	26.41	1.02	430.9
				Single, Clear	S	1.5	8.0	20.0	20.24	1.04	421.4
				As-Built Total:				253.7		8525.9	
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	182.0	3.60	655.2	Frame, Wood, Exterior	13.0		950.3	3.40		3231.0	
Exterior	950.3	3.70	3516.1	Frame, Wood, Adjacent	13.0		182.0	3.30		600.6	
Base Total: 1132.3 4171.3				As-Built Total:				1132.3		3831.6	
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	18.0	8.00	144.0	Exterior Insulated			20.0	8.40		168.0	
Exterior	20.0	8.40	168.0	Adjacent Insulated			18.0	8.00		144.0	
Base Total: 38.0 312.0				As-Built Total:				38.0		312.0	
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1655.0	2.05	3392.8	Under Attic	30.0		1725.0	2.05 X 1.00		3536.3	
Base Total: 1655.0 3392.8				As-Built Total:				1725.0		3536.3	
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	178.0(p)	8.9	1584.2	Slab-On-Grade Edge Insulation	0.0		178.0(p)	18.80		3346.4	
Raised	0.0	0.00	0.0								
Base Total: 1584.2				As-Built Total:				178.0		3346.4	
INFILTRATION Area X BWPM = Points								Area X WPM = Points			
1655.0 -0.59 -976.4								1655.0 -0.59		-976.4	

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

ADDRESS: Lot: 11, Sub: Hunters Oak, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT									
Winter Base Points: 12279.1				Winter As-Built Points: 18575.7									
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	= Heating Points
12279.1		0.6274	7703.9	(sys 1: Electric Heat Pump 39000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 18575.7 1.000 (1.069 x 1.000 x 1.00) 0.487 0.950 9189.8 18575.7 1.00 1.069 0.487 0.950 9189.8									

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

ADDRESS: Lot: 11, Sub: Hunters Oak, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	Multiplier X Credit	= Total Multiplier
3		2635.00	7905.0	50.0	0.90	3	1.00	2693.56	1.00 8080.7
				As-Built Total:					8080.7

CODE COMPLIANCE STATUS

BASE					AS-BUILT								
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
8958		7704		7905		24567	6525		9190		8081		23796

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 11, Sub: Hunters Oak, Plat: , Lake City, FL, 32025-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.0

The higher the score, the more efficient the home.

Rosewood Model, Lot: 11, Sub: Hunters Oak, Plat: , Lake City, FL, 32025-

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 39.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 12.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	1655 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___		___
a. U-factor:	Description	Area	13. Heating systems	
(or Single or Double DEFAULT)	7a(Sngle Default)	253.7 ft ²	a. Electric Heat Pump	Cap: 39.0 kBtu/hr
b. SHGC:		___		HSPF: 7.00
(or Clear or Tint DEFAULT)	7b. (Clear)	253.7 ft ²	b. N/A	___
8. Floor types		___	c. N/A	___
a. Slab-On-Grade Edge Insulation	R=0.0, 178.0(p) ft	___		___
b. N/A	___	___	14. Hot water systems	
c. N/A	___	___	a. Electric Resistance	Cap: 50.0 gallons
9. Wall types		___		EF: 0.90
a. Frame, Wood, Exterior	R=13.0, 950.3 ft ²	___	b. N/A	___
b. Frame, Wood, Adjacent	R=13.0, 182.0 ft ²	___	c. Conservation credits	___
c. N/A	___	___	(HR-Heat recovery, Solar	___
d. N/A	___	___	DHP-Dedicated heat pump)	___
e. N/A	___	___	15. HVAC credits	PT, ___
10. Ceiling types		___	(CF-Ceiling fan, CV-Cross ventilation,	___
a. Under Attic	R=30.0, 1725.0 ft ²	___	HF-Whole house fan,	___
b. N/A	___	___	PT-Programmable Thermostat,	___
c. N/A	___	___	MZ-C-Multizone cooling,	___
11. Ducts(Leak Free)		___	MZ-H-Multizone heating)	___
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft	___		___
b. N/A	___	___		___

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

Builder Signature: _____ Date: _____

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



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

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

Energy Code Compliance

Duct System Performance Report

Project Name: Roger Whiddon - Lot 11 Address: City, State: Lake City, FL 32025- Owner: Rosewood Model Climate Zone: North	Builder: Roger Whiddon Permitting Office: Permit Number: Jurisdiction Number:
---	--

Total Duct System Leakage Test Results

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

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

Signature: _____
Printed Name: _____
Florida Rater Certification #: _____
DATE: _____

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



BUILDING OFFICIAL: _____
DATE: _____

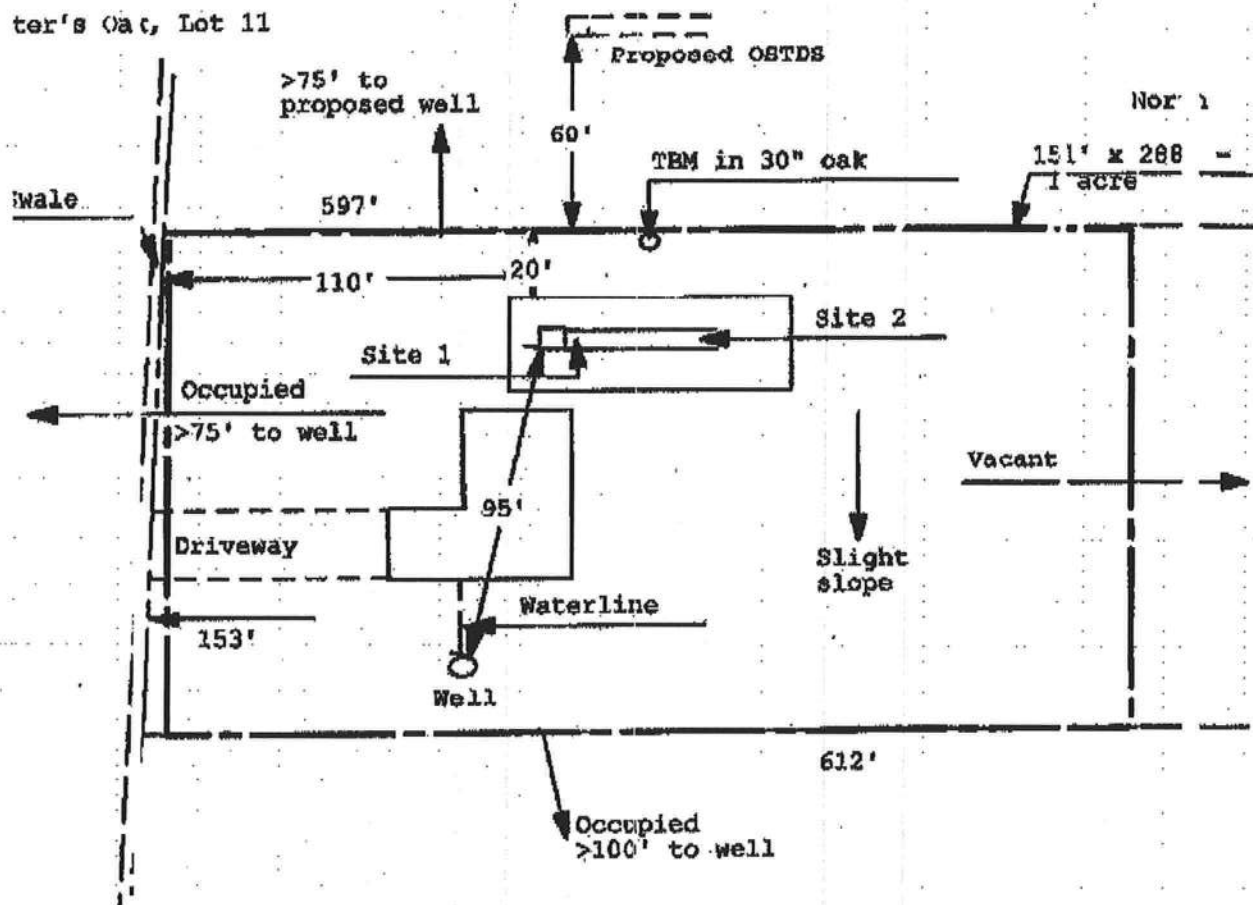
07-226

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan
Permit Application Number: 1256 113035

A L CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CRAI LEY/CR 01-3909

Hunter's Oak, Lot 11



1 inch = 10 feet

Sit Plan Submitted By Paul L. [Signature] Date 3/13/09
Pla Approved ☒ Not Approved ☐ Date 3/23/09
By Ma [Signature] Col-bix CPBU
Not a:

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001356

DATE 03/27/2007 PARCEL ID # 34-4S-16-03276-110
APPLICANT LINDA RODER PHONE 752-2281
ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024
OWNER ANDY CRAWLEY PHONE _____
ADDRESS 349 SW OAKWOOD COURT LAKE CITY FL 32024
CONTRACTOR ROGER WHIDDON PHONE 867-0812
LOCATION OF PROPERTY 47S, TR ON 240, TR ON MAULDIN, TR ON DOCKERY LANE, TL ON OAKWOOD
COURT, 9TH LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT HUNTERS OAK 10

SIGNATURE _____

INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

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

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

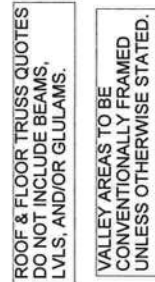
Amount Paid 25.00



JOB NO:
4336

PAGE NO
1 OF 1

PLEASE REVIEW LAYOUT AND DRAWINGS CAREFULLY AS TRUSSES WILL BE BUILT IN STRICT ACCORDANCE WITH THIS LAYOUT.



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: IT50215-Z0319134357

Truss Fabricator: W.B. Howland
Job Identification: 4336-/LOT 11-HUNTERS OAK /Whiddon Construction -- , **
Truss Count: 41
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 61615-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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

Details: A11015EE-GBLLETIN-BRCLBSUB-CNBRGBLK-



Seal Date: 02/19/2007

-Truss Design Engineer-
James F. Collins Jr.

Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	32452--A1		07050028	02/19/07
2	32453--A2		07050029	02/19/07
3	32454--A3		07050030	02/19/07
4	32455--A4		07050031	02/19/07
5	32456--A5		07050032	02/19/07
6	32457--A6		07050033	02/19/07
7	32458--A7		07050034	02/19/07
8	32459--A8		07050035	02/19/07
9	32460--A9		07050036	02/19/07
10	32461--A10		07050037	02/19/07
11	32462--A11		07050038	02/19/07
12	32463--A12		07050039	02/19/07
13	32464--A13		07050040	02/19/07
14	32465--A14		07050041	02/19/07
15	32466--A15		07050042	02/19/07
16	32467--A16		07050043	02/19/07
17	32468--A17		07050044	02/19/07
18	32469--A18		07050045	02/19/07
19	32470--A19		07050046	02/19/07
20	32471--A20		07050047	02/19/07
21	32472--A21		07050048	02/19/07
22	32473--A22		07050049	02/19/07
23	32474--A23		07050067	02/19/07
24	32475--A24		07050050	02/19/07
25	32476--A25		07050051	02/19/07
26	32477--A26		07050052	02/19/07
27	32478--A27		07050053	02/19/07
28	32479--A28		07050054	02/19/07
29	32480--A29		07050055	02/19/07
30	32481--A30		07050056	02/19/07
31	32482--JC1		07050057	02/19/07
32	32483--JC3		07050001	02/19/07
33	32484--JC5		07050058	02/19/07
34	32485--JE3		07050059	02/19/07
35	32486--JE5		07050060	02/19/07
36	32487--JE5A		07050061	02/19/07

#	Ref	Description	Drawing#	Date
37	32488--JE7		07050062	02/19/07
38	32489--JE7A		07050063	02/19/07
39	32490--JH4		07050064	02/19/07
40	32491--JH7		07050065	02/19/07
41	32492--JH10		07050066	02/19/07



Top	chord	2x4	SP	#2	N
30t	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

111110 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.

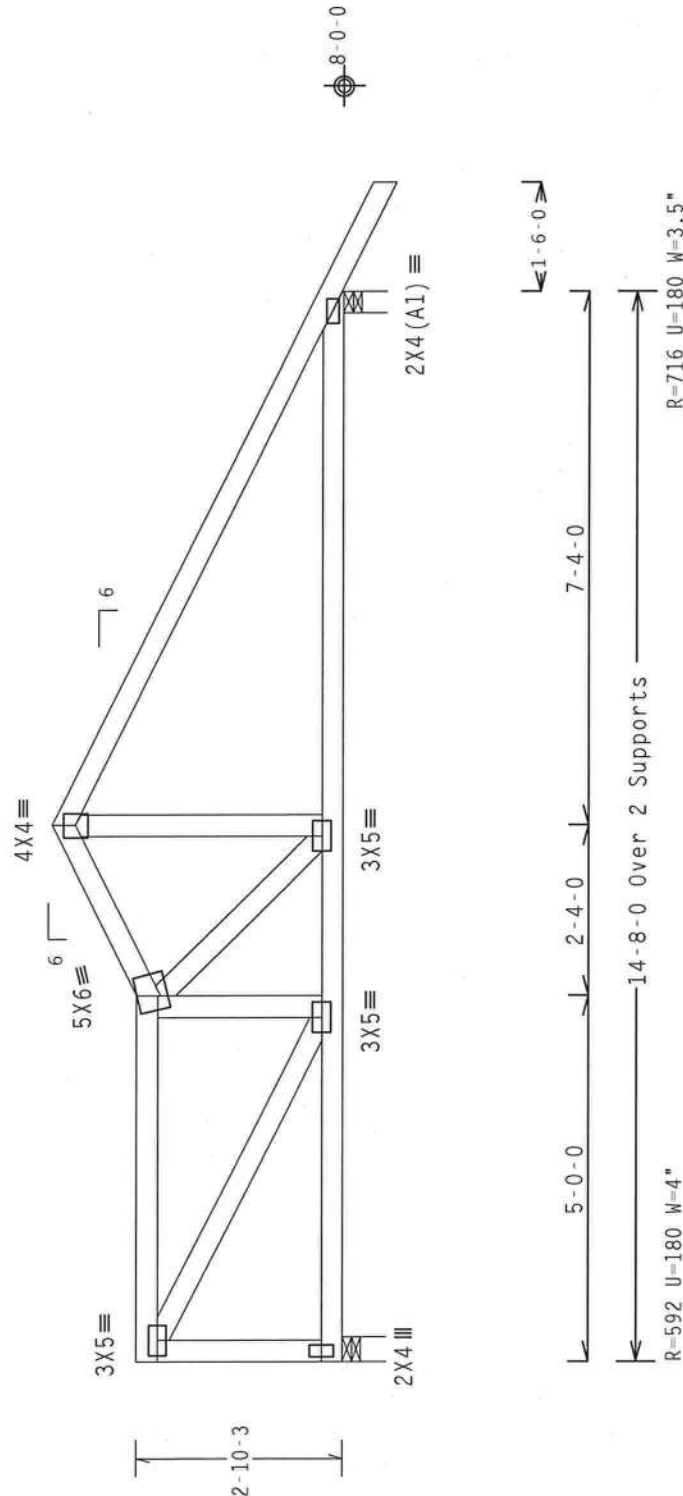
Left end vertical not exposed to wind pressure.

plates sized for a minimum of 3.00 sq. in./piece.

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 4-0-3.



Design Crit: TPI-2002(STD)/FBC

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

PLT TYP. Wave

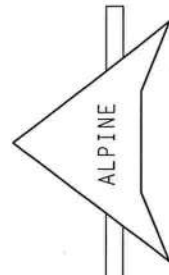
****WARNING**** THUSSE'S REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. NEVER BECOME OVERCONFIDENT IN YOUR SAFETY. THUSSE'S INFORMATION, PUBLISHED BY TPI (THUSSE PLATE INSTITUTE), 210 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE 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. ITN BCG, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUUS IN CONFORMANCE WITH TP1- OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TP1. ITN BCG HAS BEEN LICENSED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) GALVA STEEL APPLIED DESIGN MANUALS (GALVA) TO PROVIDE DESIGN SERVICES FOR TRUUSSES PER DRAWINGS 2-2.

PLATES TO EACH FACE OF TRUUS AND UNLESS OTHERWISE SPECIFIED, ALL TRUUS PLATES SHALL BE 1/2" THICK. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A OF TP1-2002 SEC.3.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUUS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS1/TP1 1 SEC. 2.



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

TC LL	20.0 PSF	REF R215-- 32452
TC DL	10.0 PSF	DATE 02/19/07
BC DL	10.0 PSF	DRW HCURSR215 07050028
BC LL	0.0 PSF	HC-ENG WHK/JHK
TOT.LD.	40.0 PSF	SEQN- 38043
DUR.FAC.	1.25	FROM CAW
SPACING	24.0"	JREF- 1T50215_Z03

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

Wind reactions based on MMFRS pressures.

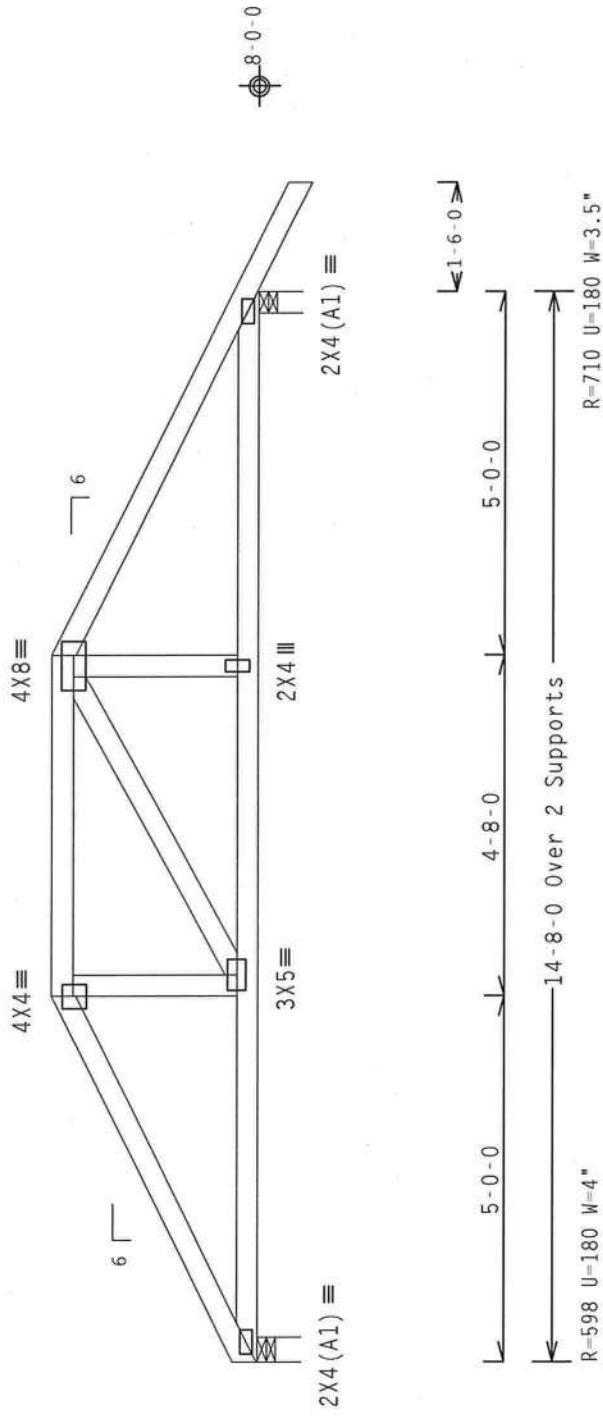
Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 2-10-3.

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

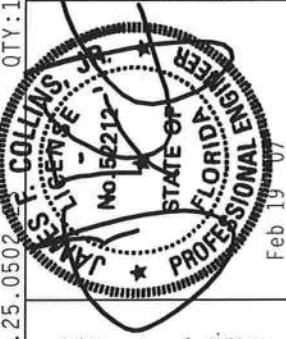
Plates sized for a minimum of 3.00 sq.in./piece.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	QTY:1		FL/-/5/-/-/R/-		Scale = .375"/Ft.	
	TC LL	20.0 PSF	REF	R215--	32454	
	TC DL	10.0 PSF	DATE	02/19/07		
	BC DL	10.0 PSF	DRW	HCUSR215	07050030	
	BC LL	0.0 PSF	HC-ENG	WHK/WHK		
	TOT.LD.	40.0 PSF	SEQN-	38023		
	DUR.FAC.	1.25	FROM	CAW		
	SPACING	24.0"	JREF-	1T50215_Z03		



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI1. ITW BCG PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSTION PER DRAWING. 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.

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

Wind reactions based on MMFRS pressures.

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

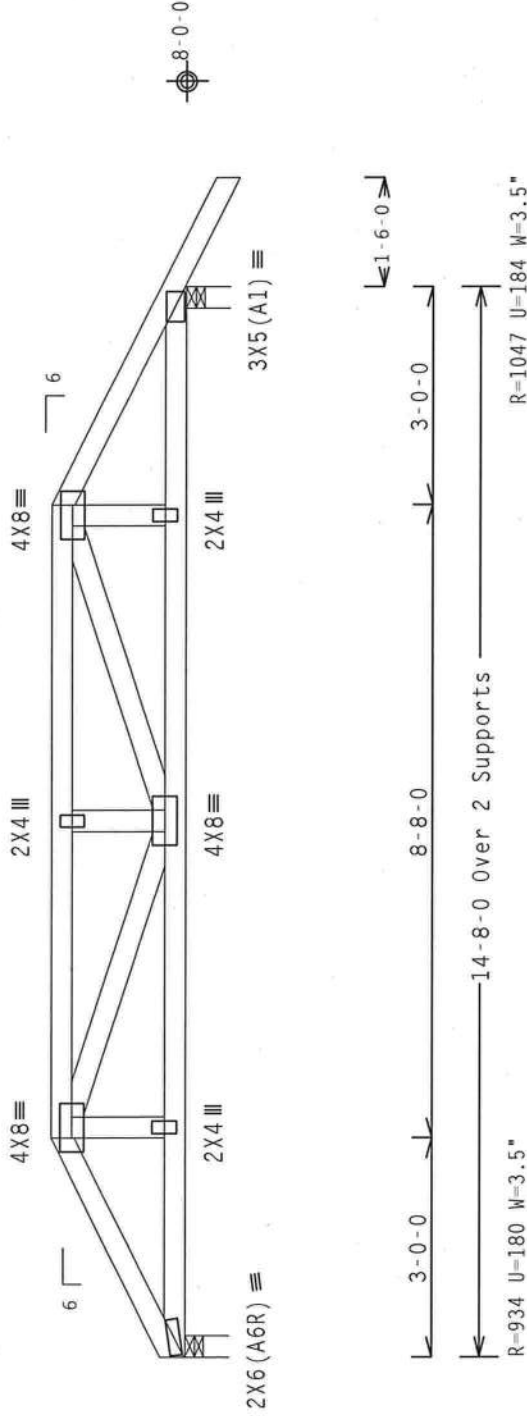
Plates sized for a minimum of 3.00 sq.in./piece.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 3.00
TC - From 62 PLF at 3.00 to 62 PLF at 11.67
TC - From 62 PLF at 11.67 to 62 PLF at 16.17
BC - From 20 PLF at 0.00 to 20 PLF at 14.67
BC - From 4 PLF at 14.67 to 4 PLF at 16.17
TC - 126 LB Conc. Load at 3.00, 11.67
TC - 62 LB Conc. Load at 5.06, 7.06, 7.60, 9.60
BC - 38 LB Conc. Load at 3.06, 11.60
BC - 24 LB Conc. Load at 5.06, 7.06, 7.60, 9.60

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

The overall height of this truss excluding overhang is 1-10-3.



Design Crit: TPI-2002(STD)/FBC

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

7.25.0502.22

QTY:1

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"

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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/ASCE) AND TPI. ITW BCG PLATES TO PLATE FACE OF TRUSS. 2018/1606 (4-11/15/18) ASTM A503 GRADE 40/60 (4, 8/11/15) GALV. STEEL, APPLY ANY INSPECTION OF PLATES FOLLOWED BY L3 SHALL BE PER CODEX A2 OF TPI 2002 SEC. 3.1.2. 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.



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 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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

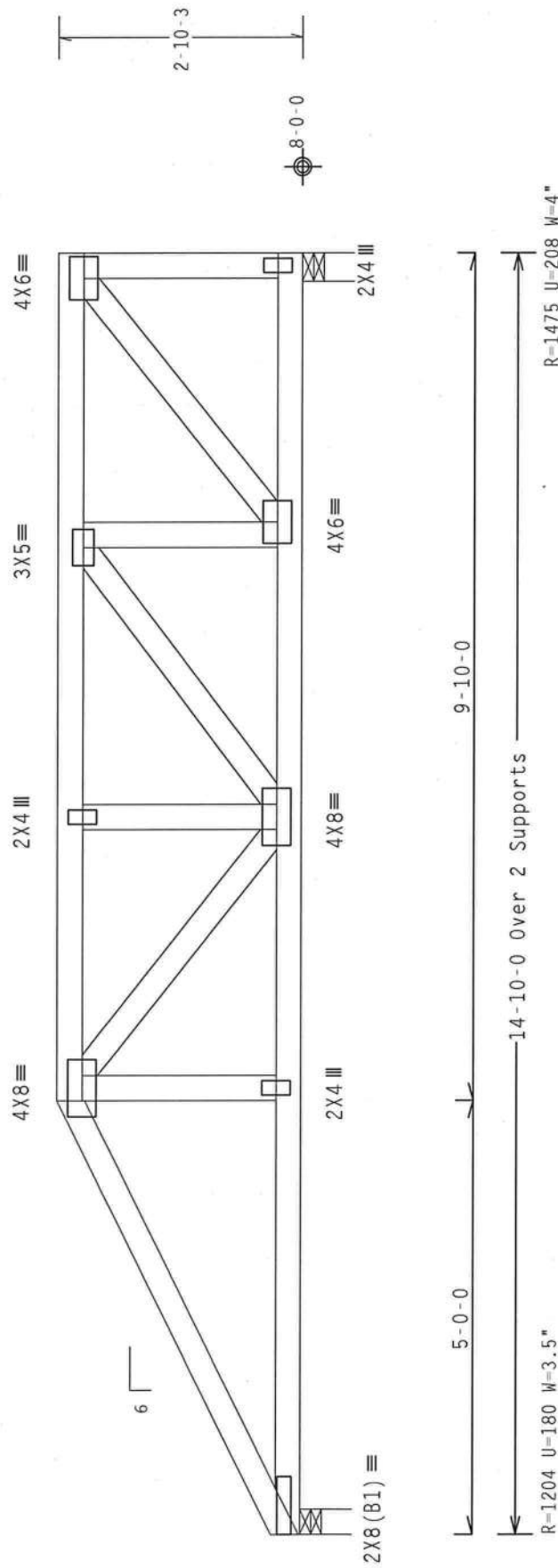
The overall height of this truss excluding overhang is 2-10-3.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)			
TC	From	62 PLF at 0.00 to	62 PLF at 5.00
TC	From	62 PLF at 5.00 to	62 PLF at 14.83
BC	From	20 PLF at 0.00 to	20 PLF at 14.83
TC	-	359 LB Conc. Load at 5.00	
TC	-	127 LB Conc. Load at 7.06	9.06, 11.06
TC	-	137 LB Conc. Load at 13.06	14.44
BC	-	155 LB Conc. Load at 5.00	
BC	-	54 LB Conc. Load at 7.06	9.06, 11.06
BC	-	62 LB Conc. Load at 13.06	14.44

Right end vertical not exposed to wind pressure.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

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

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TP1. ITW BCG HAS CONDUCTED VISUAL INSPECTIONS OF THIS DESIGN. THE FOLLOWING INFORMATION IS FOR THE DESIGNER'S INFORMATION ONLY. THIS INFORMATION IS NOT TO BE USED FOR ANY OTHER PURPOSES.

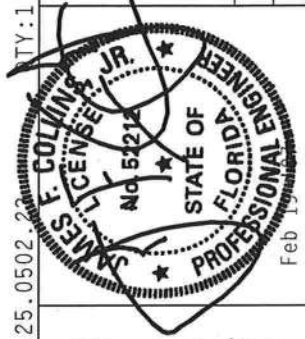
PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A3 OF TP1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN.

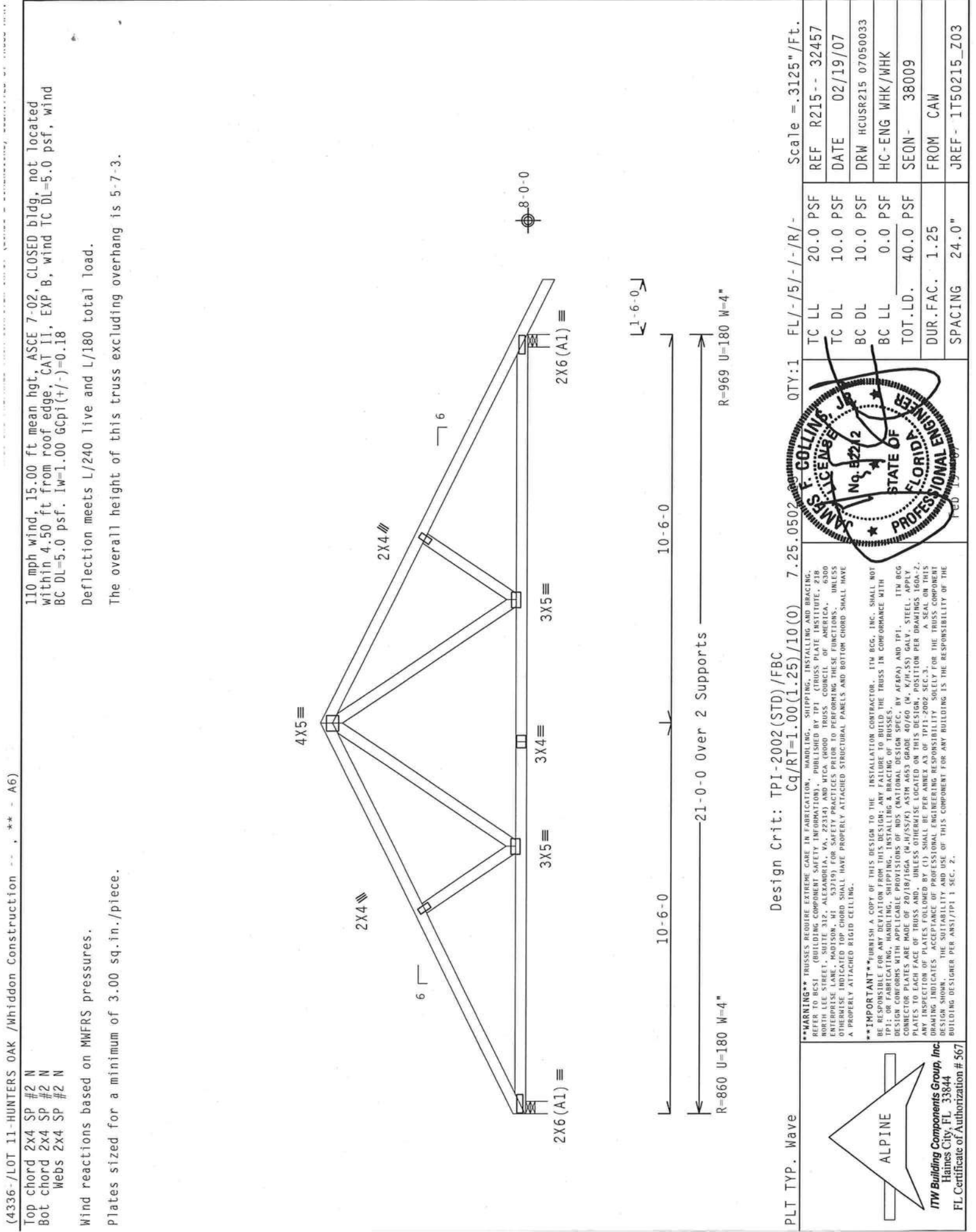
THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANEX/TP1 1 SEC. 2.

502.23

Scale = .5"/Ft.

TC LL	20.0	PSF	REF R215-- 32456
TC DL	10.0	PSF	DATE 02/19/07
BC DL	10.0	PSF	DRW HCUSR215 07050032
BC LL	0.0	PSF	HC-ENG WHK/WHK
TOT.LD.	40.0	PSF	SEQN- 38070
DUR.FAC.	1.25		FROM CAW
SPACING	24.0"		JREF- 1T50215_Z03





(4336-/LOT 11-HUNTERS OAK /Whiddon Construction --, ** - A6)

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

Wind reactions based on MWFRS pressures.

Plates sized for a minimum of 3.00 sq.in./piece.

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

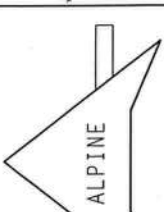
Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 5-7-3.

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0502

PLT TYP. Wave

Scale = .3125"/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 TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1100 SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOST NATIONAL DESIGN SPEC. BY AERPA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/1818GA (4-H/55/K) ASTM A653 GRADE 40/60 (4- 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.

QTY:1 FL/-/5/-/-/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-- 32457
DATE 02/19/07
DRW HCUSR215 07050033
HC-ENG WHK/WHK
SEQN- 38009
FROM CAW
JREF- 1T50215_Z03

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

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

Wind reactions based on MWFRS pressures.

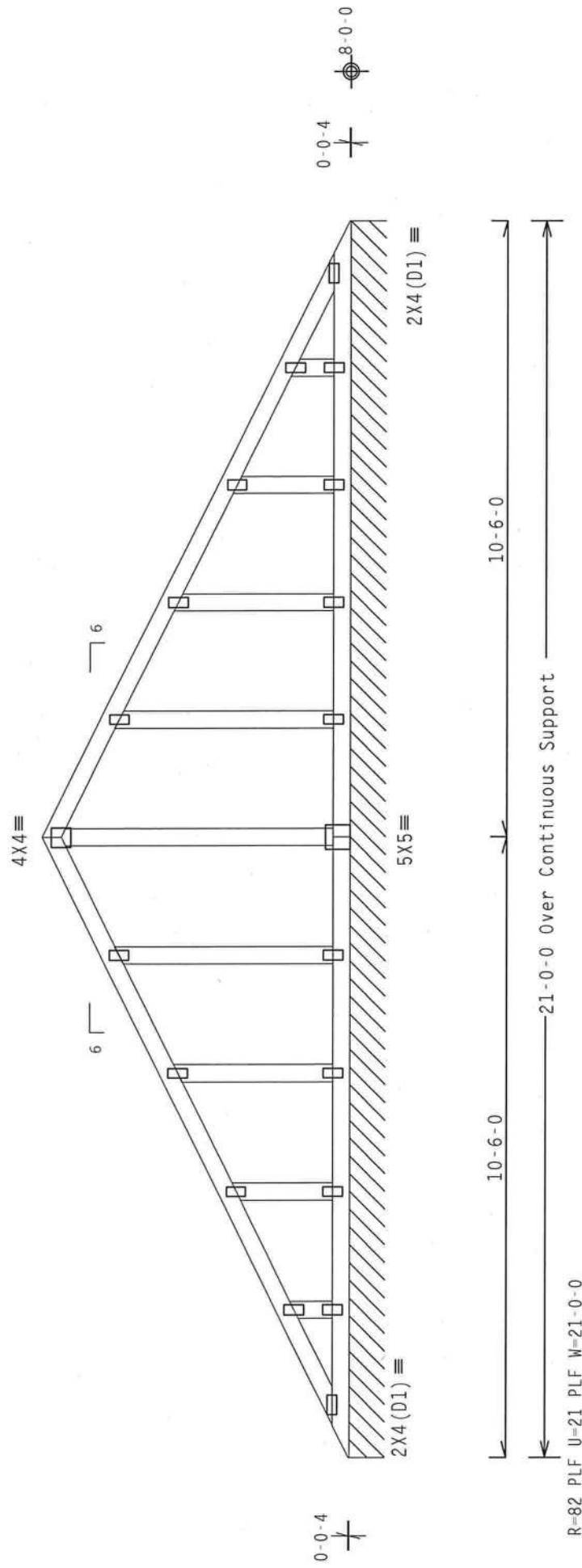
See DWGS A11015EEI1106 & GBLLETIN1106 for more requirements.

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

The overall height of this truss excluding overhang is 5-3-4.

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 0.00 PSF. Top chord must not be cut or notched.

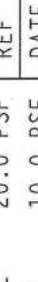
Plates sized for a minimum of 3.00 sq.in./piece.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP.	Wave
Design CRCL:	CP 2002 (Std) / PBC
	Cg/RT=1.00(1.25)/10(0)
	7.25-0502
	QTY:1
	FL/-5/-/-R/-
	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 BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE WAY, WILSONVILLE, OR 97150) 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.

CONSTRUCT PLATES WITH ANY ACCESSIBLE PROVISIONS OF ROOF (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. ITW BCG HAS PROVIDED THE FOLLOWING RECOMMENDATIONS FOR THE DESIGN OF PLATES TO BE USED IN THIS TRUSS. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE SPECIFIED, ALL PLATES SHALL BE 2" THICK. ANY INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PER ANNEK 3.3 OF TPI-2002 SEC. 2.2. 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.



REF	R215--	32459	TC LL	20.0	PSF
DATE	02/19/07		TC DL	10.0	PSF
DRW	HCUSR215	07050035	BC DL	10.0	PSF
	HC-ENG	WHK/WHK	BC LL	0.0	PSF
	SEON-	38210	TOT.LD.	40.0	PSF
	FROM	CAW	DUR.FAC.	1.25	
	JREF-	1T50215_Z03	SPACING	24.0"	

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

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"

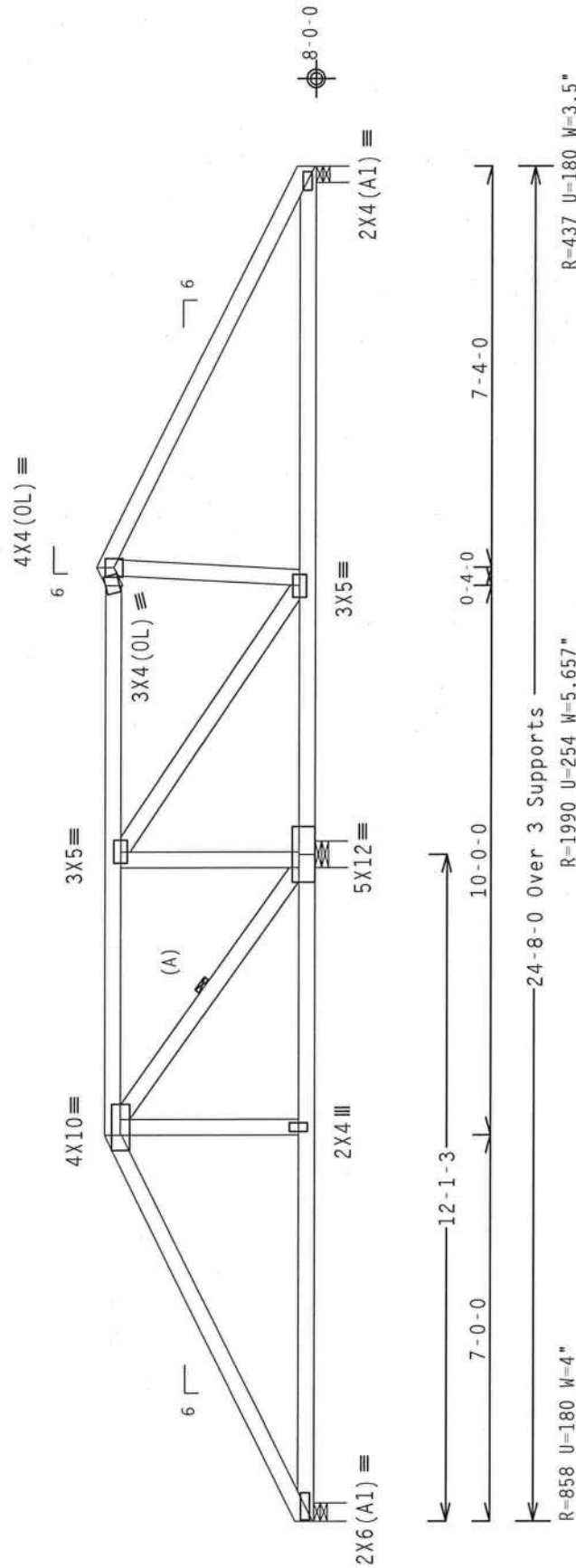
The overall height of this truss excluding overhang is 4-0-3.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 7.00
TC - From 62 PLF at 7.00 to 62 PLF at 17.00
TC - From 62 PLF at 17.00 to 62 PLF at 17.33
TC - From 62 PLF at 17.33 to 62 PLF at 24.67
BC - From 20 PLF at 0.00 to 20 PLF at 24.67
TC - 371 LB Conc. Load at 7.06
TC - 194 LB Conc. Load at 9.06
BC - 601 LB Conc. Load at 7.00
BC - 88 LB Conc. Load at 9.06

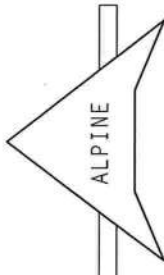
Deflection meets L/240 live and L/180 total load.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0502 22 QTM 1 FL 1/5/-/-/R/- Scale = .3125"/Ft.

 ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	F. DELINS STATE OF FLORIDA PROFESSIONAL ENGINEER No. 82212 Feb 1998		REF R215-- 32461	TC LL 20.0 PSF
	DATE 02/19/07		TC DL 10.0 PSF	TC DL 10.0 PSF
	DRW HCUSR215 07050037		BC DL 10.0 PSF	BC DL 10.0 PSF
	HC-ENG WHK/WHK		BC LL 0.0 PSF	BC LL 0.0 PSF
	SEQN- 38078		TOT.LD. 40.0 PSF	TOT.LD. 40.0 PSF
DUR.FAC. 1.25		FROM CAW	SPACING 24.0"	SPACING 24.0"
JREF- 1T50215_Z03				

Top chord 2x6 SP #2 Dense :T1 2x4 SP SS:
 Bot chord 2x6 SP #2 Dense :B2 2x6 SP SS: :B3 2x6 SP #2 N:
 Webs 2x4 SP #2 N :W8 2x4 SP #2 Dense:

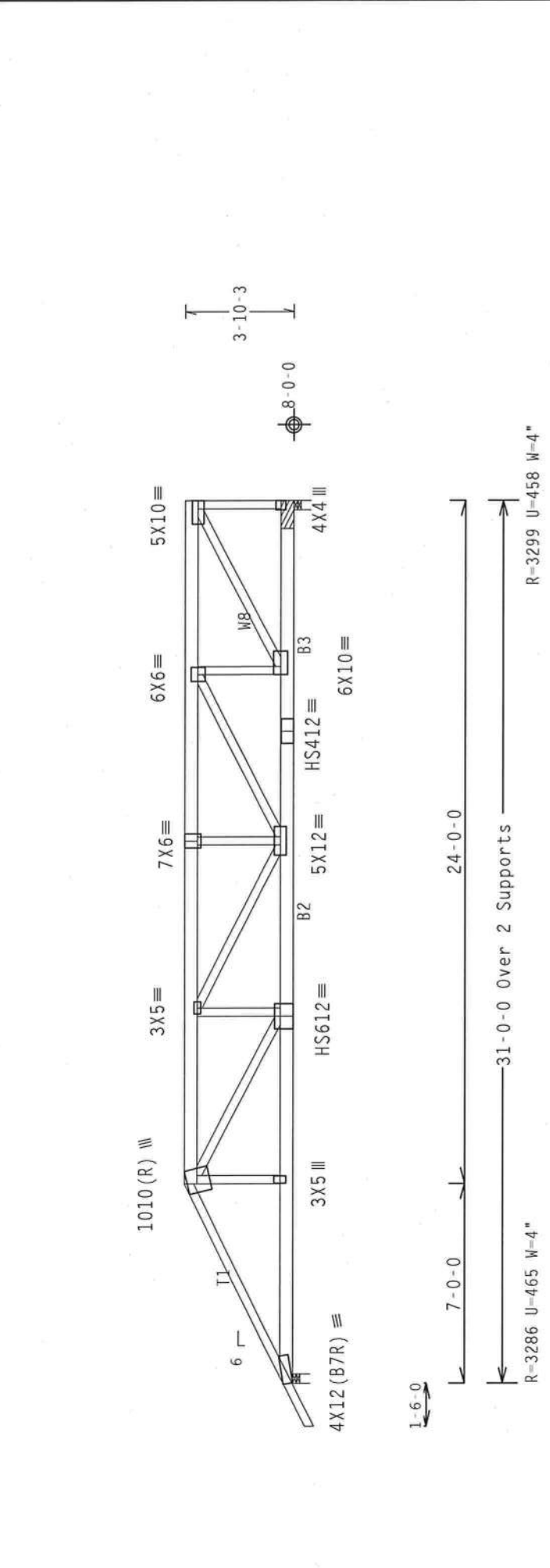
Bearing blocks: Nail type: 0.131"x3"-Gun_nails
 2 30.667' 1 12" WALL PLATE
 X-LOC #BLOCKS #NAILS/BLK 4
 Rigid Surface
 Bearing block to be same size and species as bottom chord.
 Refer to drawing CNRBGLK1103 for additional information.

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

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

Plates sized for a minimum of 3.00 sq.in./piece.

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



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

WARNING - TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND UNLOADING. REFER TO BCSTI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WPCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.	TC LL	20.0 PSF	REF	R215 - 32462
	TC DL	10.0 PSF	DATE	02/19/07

IMPORTANT -FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY INJURY OR DAMAGE TO PERSONS OR PROPERTY CAUSED BY THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.		BC DL	10.0 PSF	DRW	HCSURK215_07050038
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFSPA) AND TPI. ITW BEG CONNECTOR PLATES ARE MADE OF 20/18/16GA (.04/.55/KS) ASTM A653 GRADE 40/60 (H, K/H-S5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAMINGS 160A-2. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUFFICIENCY AND USE OF THIS COMPONENT FOR THE BUILDING'S OVERALL PERFORMANCE. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.	BC LL	0.0 PSF	HC-ENG WHK/WHK		
ALPINE	TOT.L.D.	40.0 PSF	SEQN-	38207	
	DUR.FAC.	1.25	FROM CAW		
	SPACING	24.0"	JREF -	1T50215_Z03	

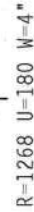
Feb 19 2007

1110 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

Right end vertical not exposed to wind pressure.

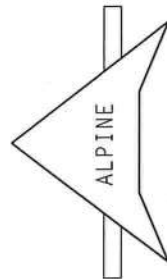
Deflection meets L/240 live and L/180 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

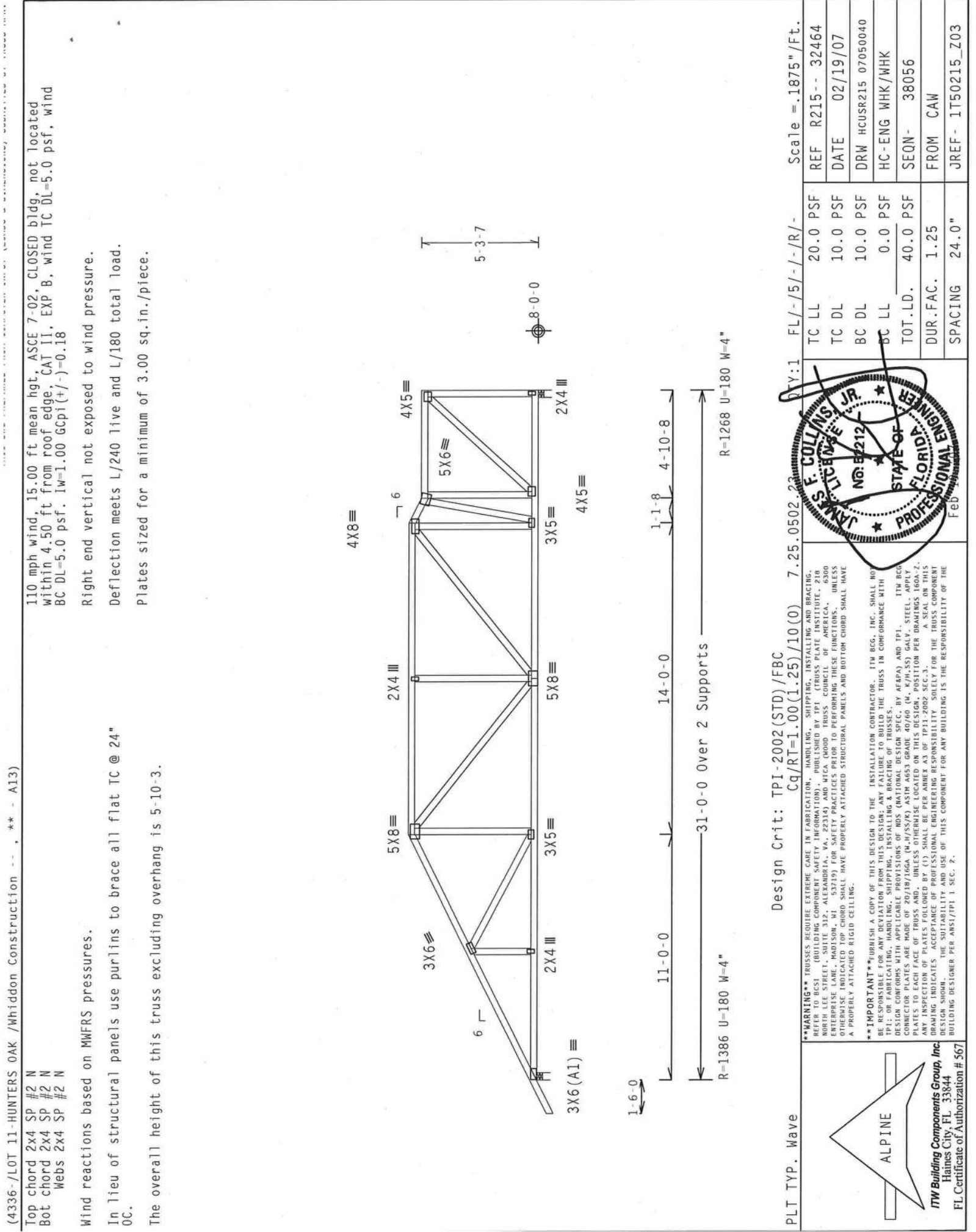


502 20 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

25.0502	QTY:1	FL/-/5/-/-/R/-	Scale =.1875"/Ft.
IC LL		20.0 PSF	REF R215-- 32463
TC DL		10.0 PSF	DATE 02/19/07
BC DL		10.0 PSF	DRW HCUSR215 07050039
BC LL		0.0 PSF	HC-ENG WHK/WHK
TOT.LD.		40.0 PSF	SEQN- 38054
DUR.FAC.		1.25	FROM CAW
SPACING		24.0"	JREF- 1T50215_Z03



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



(4336-/LOT 11-HUNTERS OAK /Whiddon Construction --, ** - A13)
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.
The overall height of this truss excluding overhang is 5-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18
Right end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load.
Plates sized for a minimum of 3.00 sq.in./piece.

Right end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load.
Plates sized for a minimum of 3.00 sq.in./piece.

Right end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load.
Plates sized for a minimum of 3.00 sq.in./piece.

Right end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load.
Plates sized for a minimum of 3.00 sq.in./piece.

Right end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load.
Plates sized for a minimum of 3.00 sq.in./piece.

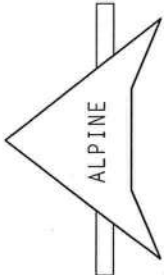
Right end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load.
Plates sized for a minimum of 3.00 sq.in./piece.

Right end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load.
Plates sized for a minimum of 3.00 sq.in./piece.

Right end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load.
Plates sized for a minimum of 3.00 sq.in./piece.

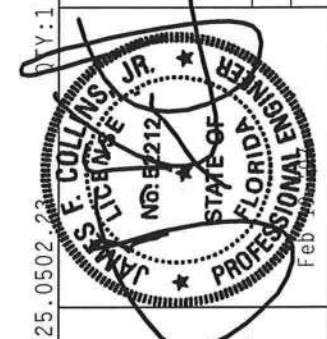
Right end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load.
Plates sized for a minimum of 3.00 sq.in./piece.

Right end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load.
Plates sized for a minimum of 3.00 sq.in./piece.



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

PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC	Cq/RT=1.00(1.25)/10(0)	7.25.0502.22	QTY:1	FL/-/5/-/-/R/-	Scale = .1875"/Ft.
					TC LL	20.0 PSF
					TC DL	10.0 PSF
					BC DL	10.0 PSF
					BC LL	0.0 PSF
					TOT.LD.	40.0 PSF
					DUR.FAC.	1.25
					SPACING	24.0"
					REF	R215-- 32464
					DATE	02/19/07
					DRW	HCUSR215 07050040
					HC-ENG	WHK/WHK
					SEQN-	38056
					FROM	CAW
					JREF-	1T50215_Z03



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 3 SEC. 2.

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

Right end vertical not exposed to wind pressure.

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

Plates sized for a minimum of 3.00 sq. in./piece.



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

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Calculated horizontal deflection is 0.22" due to live load and 0.24" due to dead load.

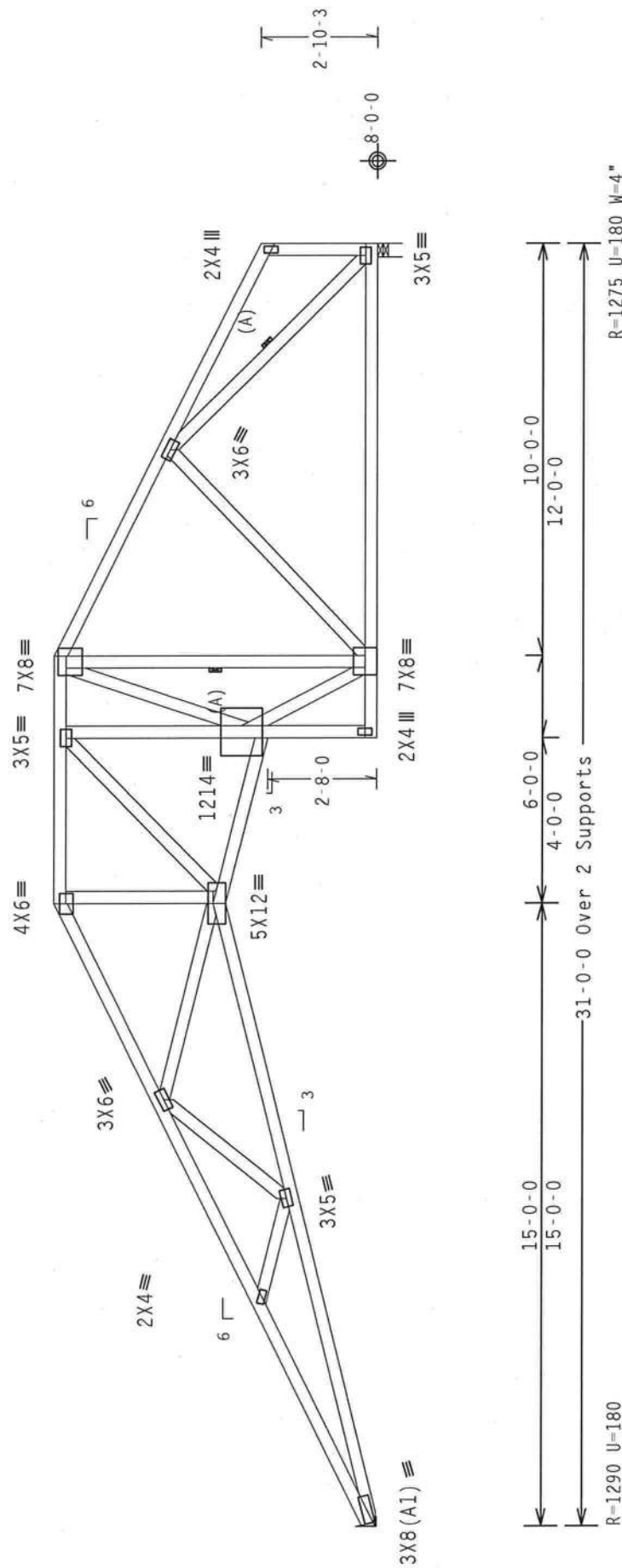
(A) Continuous lateral bracing equally spaced on member.

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

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

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 7-10-3.



Design Crit: TPI-2002(STD)/FBC

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFLECTS REQUIREMENTS FOR INFORMATION. PUBLISHED BY THE CHASS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 112, ANDERSON, MA 02026, TEL: 508-548-2266, FAX: 508-548-2267, WWW.CHASSPLATE.COM. OTHERWISE, INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

$Cq/RT=1.00(1.25)/10(0) \quad 7.$

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

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. CONNECTION PLATES ARE MADE OF 2018/18/16GA (14-H/55X5) GALV A653 GRADE 40/50 (14- K/H-55) GALV. STEEL. APPLY TOP CHORDS AND BOTTOM CHORDS AND, UNLESS OTHERWISE LOCKED ON THIS DESIGN, POSITION PER DRAWINGS 100A-22.2. ANY INSPECTION OF ATTACHMENT OF TRUSS MEMBERS TO BE MADE BY THE TRUSS CONTRACTOR.

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

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

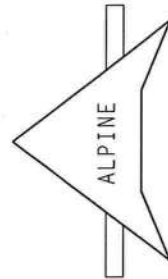
PLT TYP. Wave

0502

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

Scale = 25"/Ft.

TC LL	20.0	PSF	REF R215-- 32466
TC DL	10.0	PSF	DATE 02/19/07
BC DL	10.0	PSF	DRW HCURS215 07050042
BC LL	0.0	PSF	HC-ENG WHK/WHK
TOT.LD.	40.0	PSF	SEON- 38184
DUR.FAC.	1.25		FROM CAW
SPACING	24.0"		JREF- 1T50215_Z03



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

Feb 19 07

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

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

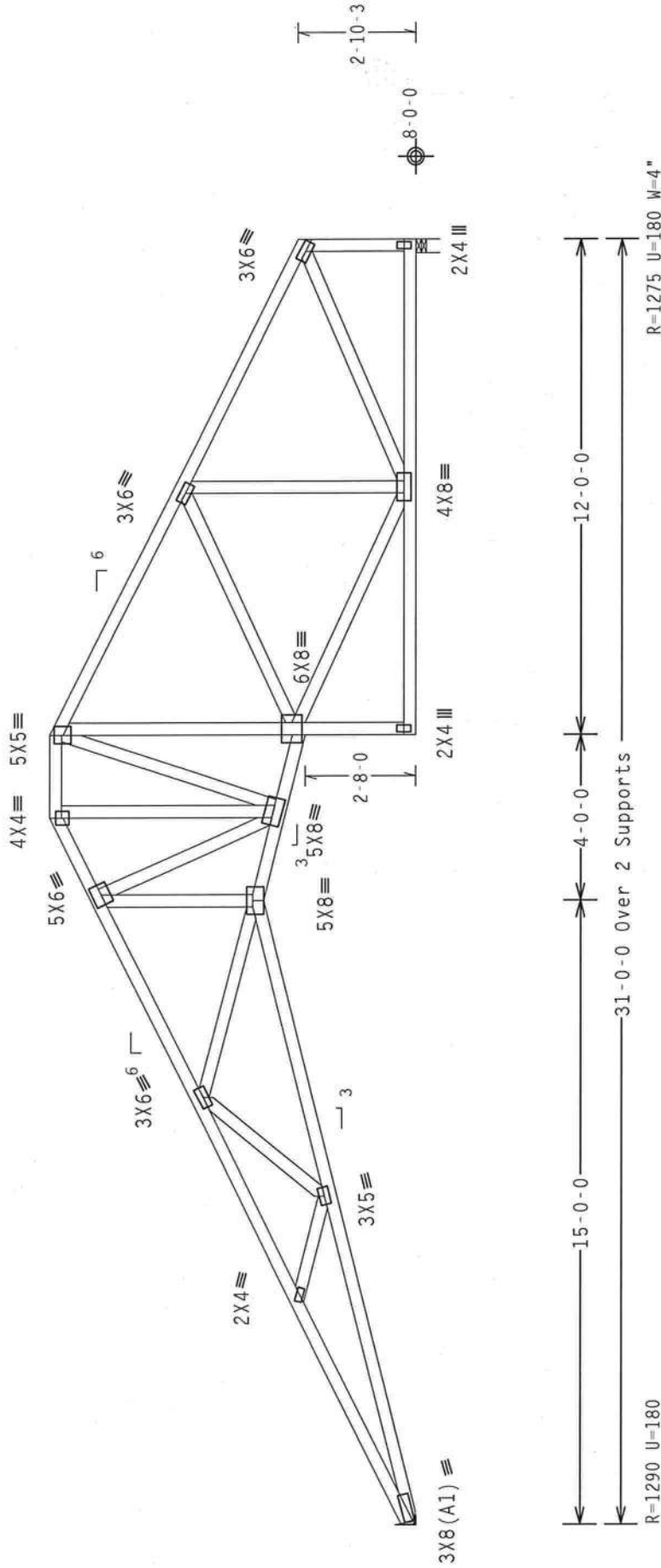
Calculated horizontal deflection is 0.18" due to live load and 0.20" due to dead load.

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

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

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 8-10-3.



Design Crit: TPI-2002(STD)/FBC

Scale = .25"/Ft.

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

REF R215-- 32467

DATE 02/19/07

DRW HCUSR215 07050043

HC-ENG WHK/WHK

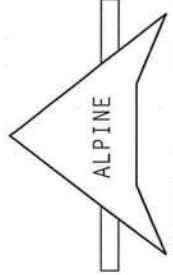
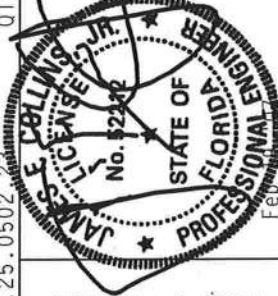
SEQN- 38177

FROM CAW

JREF- 1T50215_Z03

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. ITM BCG TRUSSES ARE MANUFACTURED BY ITM BCG, INC. (441555) GALT, STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND WEBS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3.2. 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

11110 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

End verticals not exposed to wind pressure.

Max	JT	VERT	DEFL:	LL: 0.27"	DL: 0.29"	recommended camber	1 1/2"
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In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 8'-6"-7'.



Scale = .25"/Ft.

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

Scale = .25"/Ft.

REF R215-- 32468

DATE 02/19/07

0RW HCUSR215 07050044

IC-ENG WHK/WHK

SEQN-	38136
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FROM CAW

REF- 1T50215_Z03

Top chord	2x4	SP	SS	T1, T5	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. Iw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.16" due to live load and 0.17" due to dead load.

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

Plates sized for a minimum of 3.00 sq.in./piece.

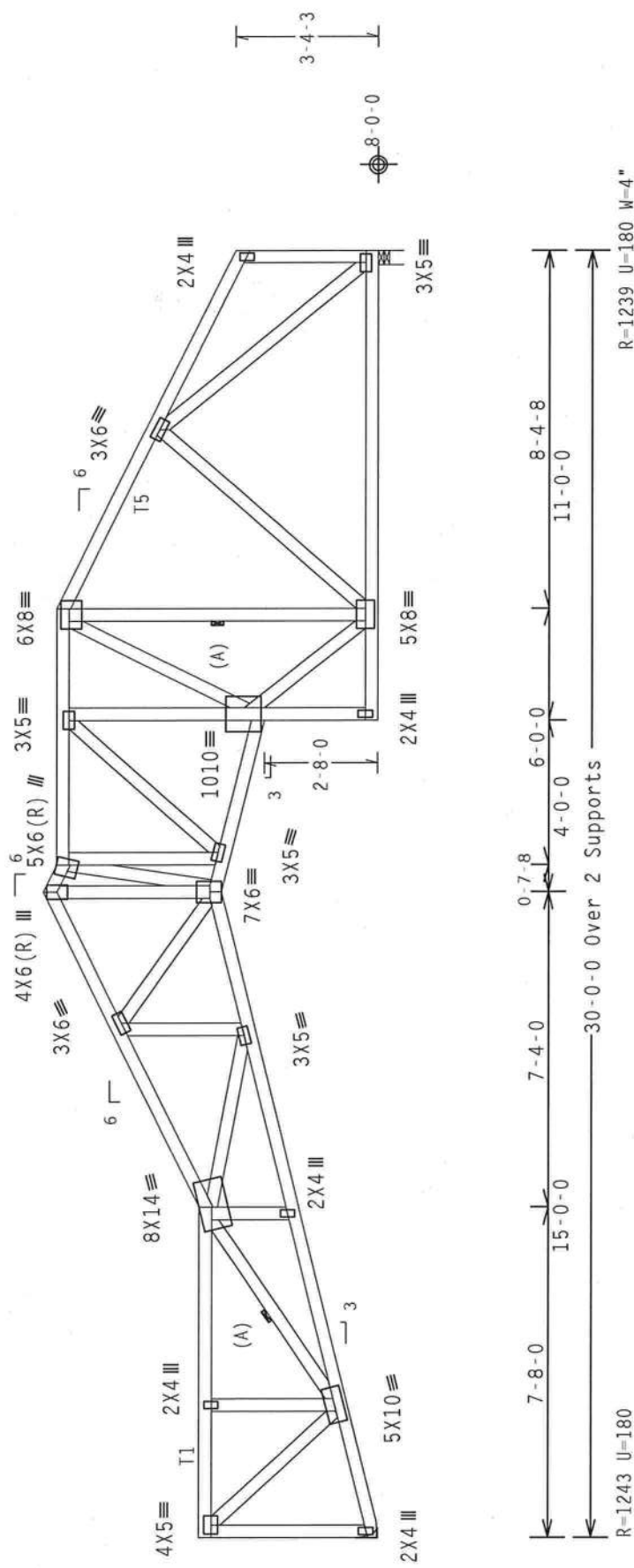
End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.21" DL: 0.23" recommended camber 3/8"

(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 7-10-3.

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

Scale = .25"/Ft.

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

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 BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (4000 TRUSS COUNCIL OF AMERICA, ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE 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&P) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (N./H/SS/K) 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-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI-2002 SEC.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.	 Feb 19 2007	TC LL	20.0 PSF	REF R215--	32469
			TC DL	10.0 PSF	DATE	02/19/07
			BC DL	10.0 PSF	DRW	HCUSR215 07050045
			BC LL	0.0 PSF	HC-ENG	WHK/WHK
			TOT.LD.	40.0 PSF	SEQN-	38170
			DUR.FAC.	1.25	FROM	CAW
			SPACING	24.0"	JREF-	1T50215_Z03

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

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.14" due to live load and 0.15" due to dead load.

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

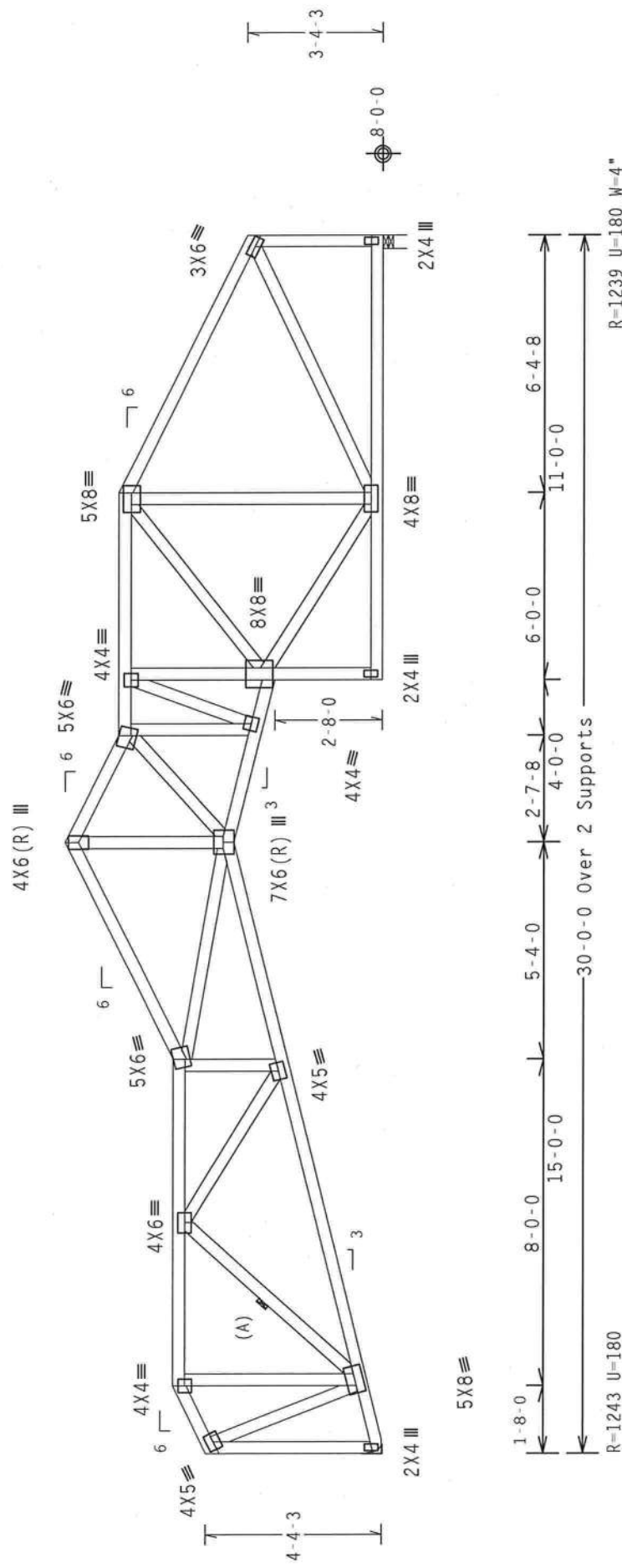
Plates sized for a minimum of 3.00 sq.in./piece.

End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 7-10-3.



Design Crit: TPI-2002(STD)/FBC

Scale = .25"/Ft.

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

 $Cq/RT=1.00(1.25)/10(0)$ 7.25.0502

PLT TYP. Wave

[illegible]

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TP1.
CONNECTION PLATES ARE MADE OF 7018/1766A (44-H/SYR/K) ASTM A656 GRADE 40/60 (K/JH-SS) GALV. STEEL, 16GA-2
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16DA-2
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP1-2002 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/TP1 SEC. 2.

TC LL	20.0 PSF
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TC DI 10 0 PSE

	10 DL	10.0 F3L
L	8	6
C	9	7
S	10	8
T	11	9
B	12	10
A	13	11
N	14	12
M	15	13
I	16	14
H	17	15
G	18	16
F	19	17
E	20	18
D	21	19
C	22	20
B	23	21
A	24	22
N	25	23
M	26	24
I	27	25
H	28	26
G	29	27
F	30	28
E	31	29
D	32	30
C	33	31
B	34	32
A	35	33
N	36	34
M	37	35
I	38	36
H	39	37
G	40	38
F	41	39
E	42	40
D	43	41
C	44	42
B	45	43
A	46	44
N	47	45
M	48	46
I	49	47
H	50	48
G	51	49
F	52	50
E	53	51
D	54	52
C	55	53
B	56	54
A	57	55
N	58	56
M	59	57
I	60	58
H	61	59
G	62	60
F	63	61
E	64	62
D	65	63
C	66	64
B	67	65
A	68	66
N	69	67
M	70	68
I	71	69
H	72	70
G	73	71
F	74	72
E	75	73
D	76	74
C	77	75
B	78	76
A	79	77
N	80	78
M	81	79
I	82	80
H	83	81
G	84	82
F	85	83
E	86	84
D	87	85
C	88	86
B	89	87
A	90	88
N	91	89
M	92	90
I	93	91
H	94	92
G	95	93
F	96	94
E	97	95
D	98	96
C	99	97
B	100	98
A	101	99
N	102	100
M	103	101
I	104	102
H	105	103
G	106	104
F	107	105
E	108	106
D	109	107
C	110	108
B	111	109
A	112	110
N	113	111
M	114	112
I	115	113
H	116	114
G	117	115
F	118	116
E	119	117
D	120	118
C	121	119
B	122	120
A	123	121
N	124	122
M	125	123
I	126	124
H	127	125
G	128	126
F	129	127
E	130	128
D	131	129
C	132	130
B	133	131
A	134	132
N	135	133
M	136	134
I	137	135
H	138	136
G	139	137
F	140	138
E	141	139
D	142	140
C	143	141
B	144	142
A	145	143
N	146	144
M	147	145
I	148	146
H	149	147
G	150	148
F	151	149
E	152	150
D	153	151
C	154	152
B	155	153
A	156	154
N	157	155
M	158	156
I	159	157
H	160	158
G	161	159
F	162	160
E	163	161
D	164	162

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT	10	40	0	PSE

101.20.	40.0 F31
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DUR.FAC. 1.25

SPACING 24.0"

1000000

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106 II. FROM PROBABILITIES TO ANATOMICAL DATA

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

Wind reactions based on MWFRS pressures.

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

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

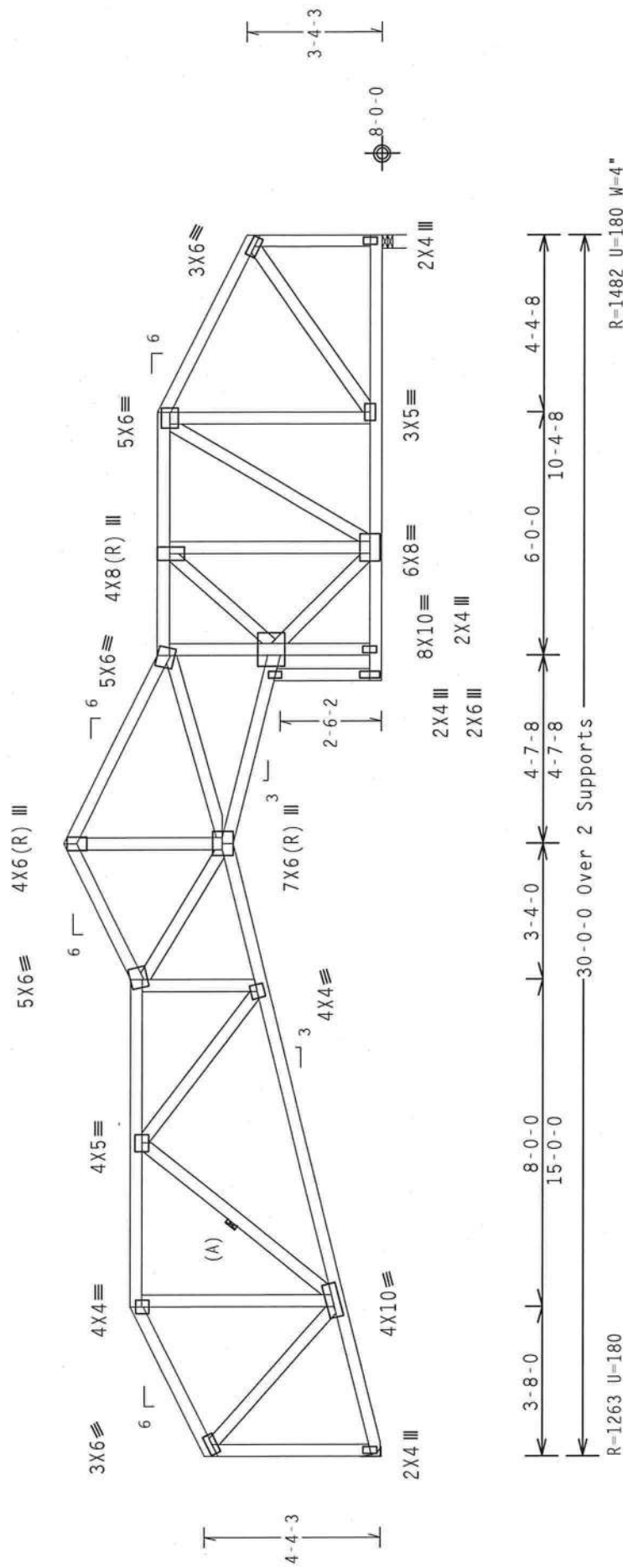
Plates sized for a minimum of 3.00 sq.in./piece.

End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 7-10-3.



Design Crit: TPI-2002(STD)/FBC

Scale = .25"/Ft.

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

502

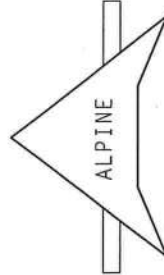
$$Cq/RT=1.00(1.25)/10(0)$$

0001911

PLT TYP. Wave

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, UNLOADING AND BRACING. REFER TO BESS' BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND AISC (A000) TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48131, 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 DELVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. FOR STEEL AND TPI. 17W BCG. CONNECTOR PLATES ARE MADE OF 20X10X1/8GA. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES TO EACH FACE OF TRUSS AND, OR, OTHERWISE GRADE 40/60 (U. K/H/SS) GALV. STEEL. APPLY 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 DESIGNING DESIGNER PER ANSI/AISC 1.1 SEC. 2.



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

TC LL	20.0	PSF	REF R215-- 32471
TC DL	10.0	PSF	DATE 02/19/07
BC DL	10.0	PSF	DRW HCUSR215 07050047
BC LL	0.0	PSF	HC-ENG WHK/WHK
TOT.LD.	40.0	PSF	SEQN- 37935
DUR.FAC.	1.25		FROM CAW
SPACING	24.0"		JREF- 1T50215_Z03

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

Wind reactions based on MWFRS pressures.

End verticals not exposed to wind pressure.

Calculated horizontal deflection is 0.14" due to live load and 0.16" due to dead load.

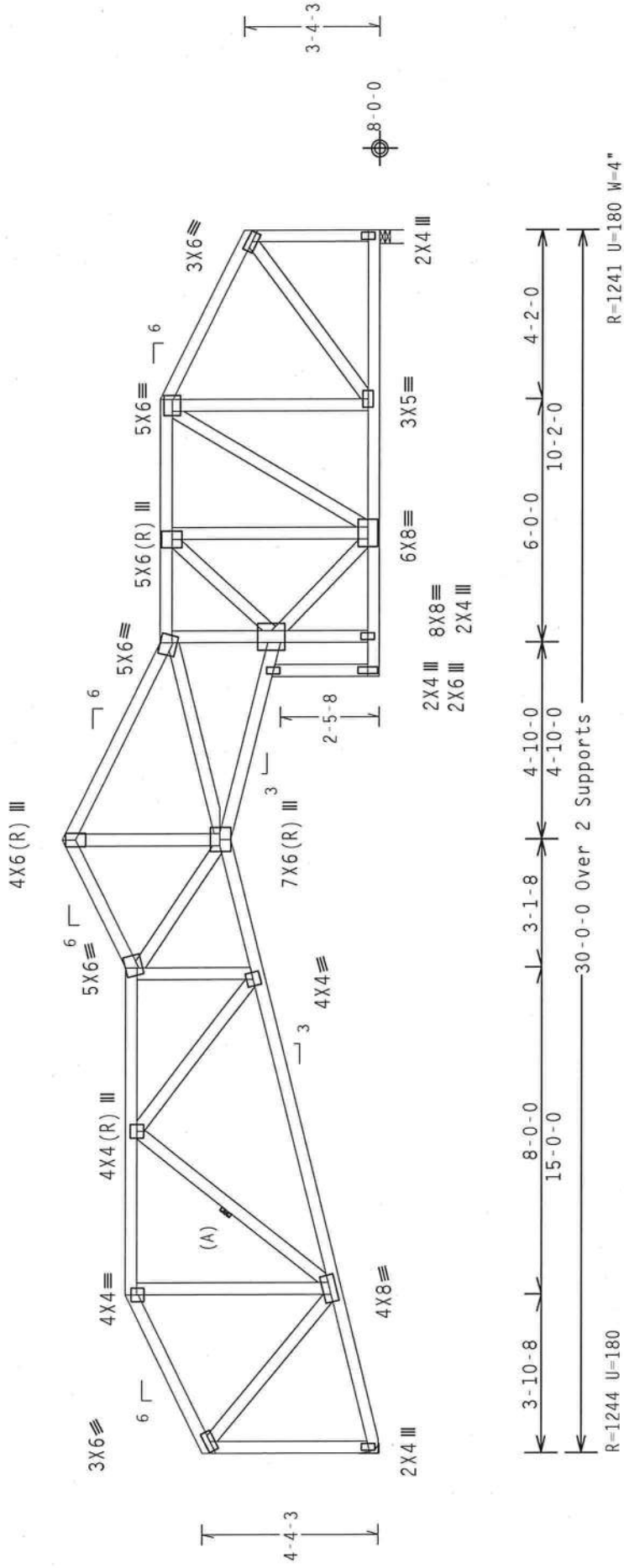
(A) Continuous lateral bracing equally spaced on member.

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

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

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 7-10-3.



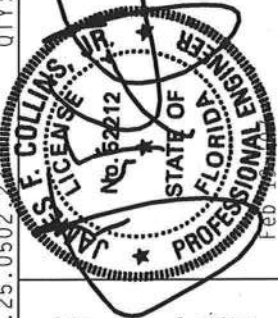
Design Crit: TPI-2002(STD)/FBC

Scale = .25"/Ft.

PLT TYP. Wave	QTY:1	FL/-/5/-/-/R/-	TC LL	20.0 PSF	REF	R215--	32472
			TC DL	10.0 PSF	DATE	02/19/07	
			BC DL	10.0 PSF	DRW	HCUSR215	07050048
			BC LL	0.0 PSF	HC-ENG	WHK/WHK	
			TOT.LD.	40.0 PSF	SEQN-	37953	
			DUR.FAC.	1.25	FROM	CAW	
			SPACING	24.0"	JREF-	1T50215_Z03	

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECI (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, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY CAUSED BY ANY USE OF TRUSSES. CORRECTOR PLATES ARE MADE OF 304/18/16GALV OR 304/18/16GALV. STEEL APPLICABLE 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.



ALPINE

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

FL Certificate of Authorization # 567

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

(**) 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 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

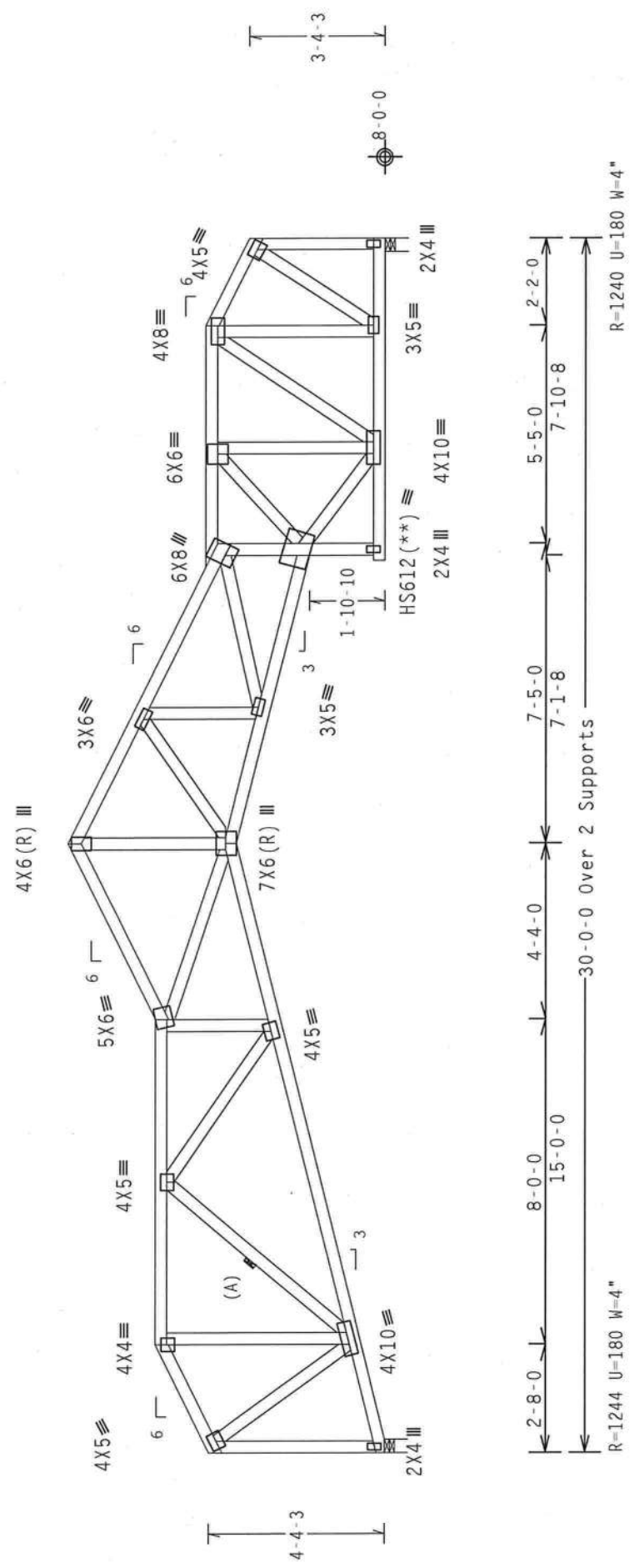
Calculated horizontal deflection is 0.17" due to live load and 0.18" due to dead load.

Deflection meets L/240 live and L/180 total load.
Plates sized for a minimum of 3.00 sq.in./piece.

(A) Continuous lateral bracing equally spaced on member.

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

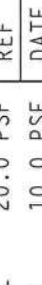
The overall height of this truss excluding overhang is 7-10-3.



R=1240 U=180 W=4"

Design Crit: TPI-2002(STD)/FBC

Scale = .25"/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 BEST AVAILABLE TRUSS MANUFACTURER'S INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 TRUSS BOULEVARD, SUITE 314, ALEXANDRIA, VA 22304) OR THE TRUSS MANUFACTURER OF AMERICA, 6300 ENTERPRISE LANE, ANDERSON, SC 29621) FOR ALL PRACTICES AND PROCEDURES. IF THE TRUSS MANUFACTURER 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. APPLY CONNECTOR PLATES ARE MADE OF 20/18/16GA (N/55/K) ASTM A653 GRADE 40/60 (N, K/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-1-2002 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/TPI 1 SEC. 2.



Feb 19, 2002

REF	R215 -	32473	TC LL	20.0	PSF
DATE	02/19/07		TC DL	10.0	PSF
DRW	HGUSR215	07050049	BC DL	10.0	PSF
	HC-ENG	WHK/WHK	BC LL	0.0	PSF
	SEQN -	37977	TOT.LD.	40.0	PSF
	FROM	CAW	DUR.FAC.	1.25	
JREF -	1T50215_Z03		SPACING	24.0"	

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 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.20" due to live load and 0.22" due to dead load.

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

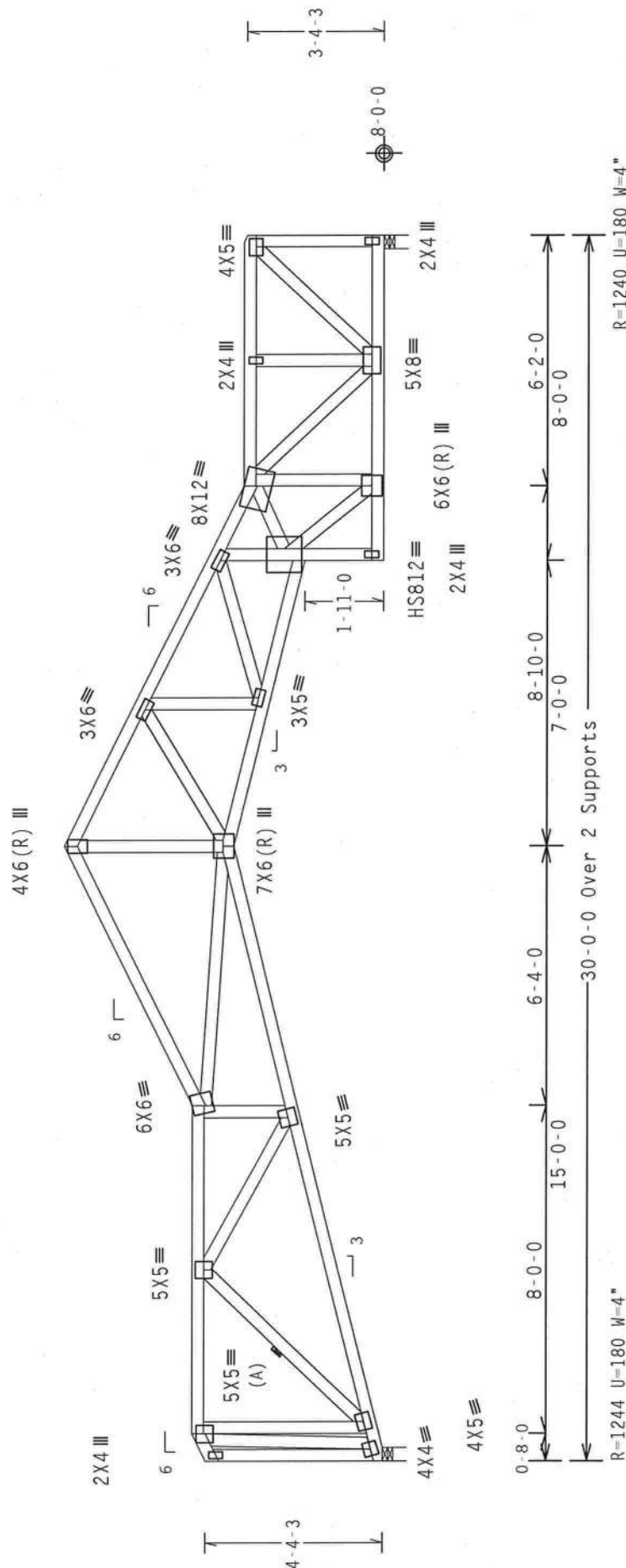
Plates sized for a minimum of 3.00 sq.in./piece.

End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 7-10-3.



Design Crit: TPI-2002(STD)/FBC

Scale = .25"/Ft.

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

 $Cq/RT=1.00(1.25)/10(0) \quad 7.$

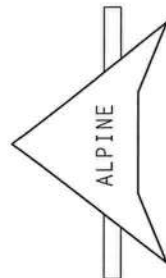
PLT TYP. 20 Gauge HS, Wave

WARNING: THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS' (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND A WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MAWSON, IL 52079, 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 DETAILING FROM THIS DESIGN ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THE DESIGN REQUIREMENTS INCLUDING BUT NOT LIMITED TO, SPLICING, BRACING, AND CONNECTIONS. THE DESIGNER'S RESPONSIBILITY IS TO PROVIDE THE PROPER INFORMATION TO THE CONTRACTOR. ITW BCG CONNECTOR PLATES ARE MADE OF 2010/1868 (A/2520) ASTM A653 GRADE 40/60 (K/505) GALV. STEEL - APPLIES TO ALL PLATES TO EACH FACE OF TRUSS AND HANGERS. IF THE TRUSS IS LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2, AN INSPECTION OF PLATES FOLLOWED BY (1). SHALL BE PER AMBEX 43 OF TP11-2002 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 AMS17/TP1 1 SEC. 2.

TC LL	20.0 PSF	REF	R215--	32474
TC DL	10.0 PSF	DATE	02/19/07	
BC DL	10.0 PSF	DRW	HCUSR215	07050067
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0 PSF	SEQN-	38197	
DUR.FAC.	1.25	FROM	CAW	
PACKING	24.0"	DATE-	1150215	703



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

Feb 19 07

	Top	chord	2x4	SP	#2	N	:T1	2x4	SP	SS:
	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 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.22" due to live load and 0.24" due to dead load.

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

Provide for complete drainage of roof.

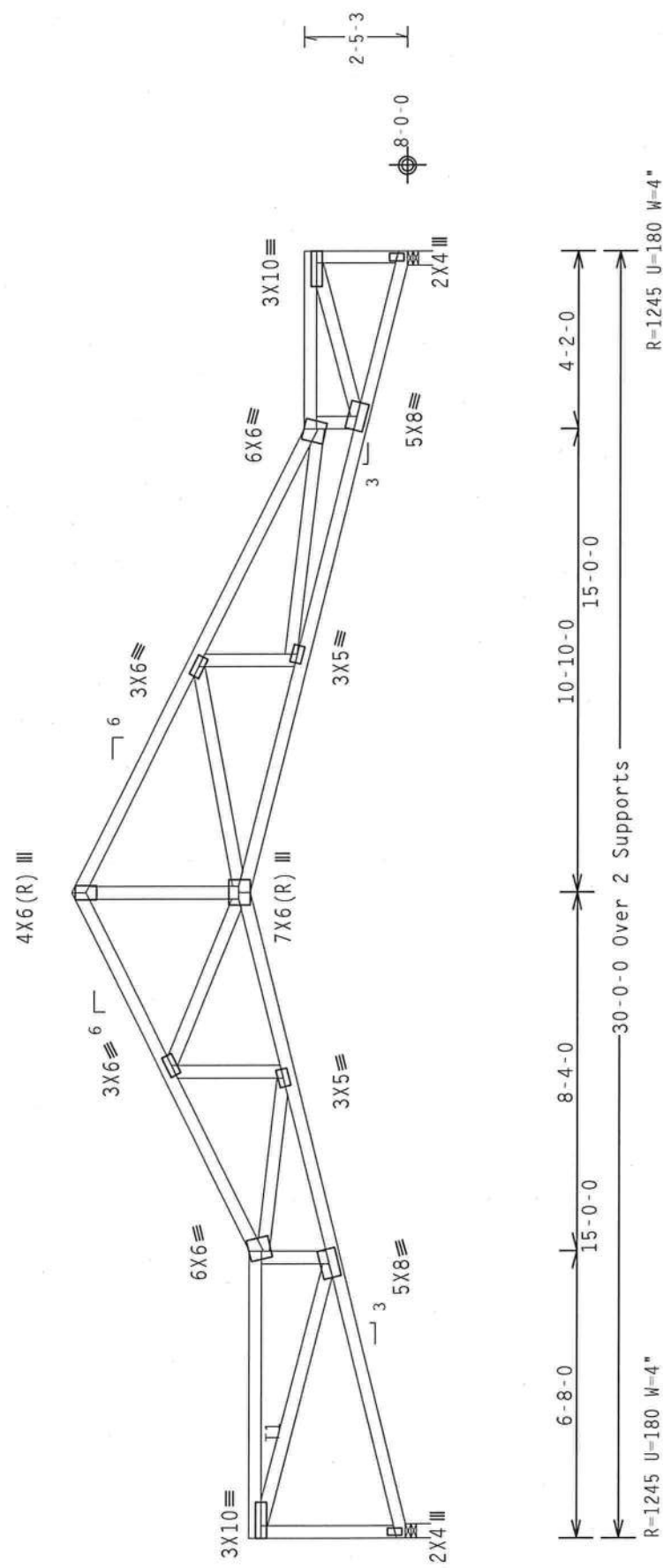
The overall height of this truss excluding overhang is 7-10-3.

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.32" DL: 0.35" recommended camber 5/8"

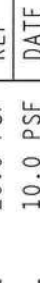
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

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

Scale = .25"/Ft.

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



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 BC51 (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, WADSWORTH, 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 AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/55/K) ASTM A653 GRADE 40/60 (N, K/H-S5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. 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.



REF R215-- 32475	20.0 PSF	TC LL	20.0 PSF	
DATE 02/19/07	10.0 PSF	TC DL	10.0 PSF	
DRW HCUSR215 07050050	10.0 PSF	BC DL	10.0 PSF	
HC-ENG WHK/WHK	0.0 PSF	BC LL	0.0 PSF	
SEQN- 38052	40.0 PSF	TOT.LD.	40.0 PSF	
FROM CAW	1.25	DUR.FAC.	1.25	
JREF- 1T50215_Z03	24.0"	SPACING	24.0"	

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 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

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

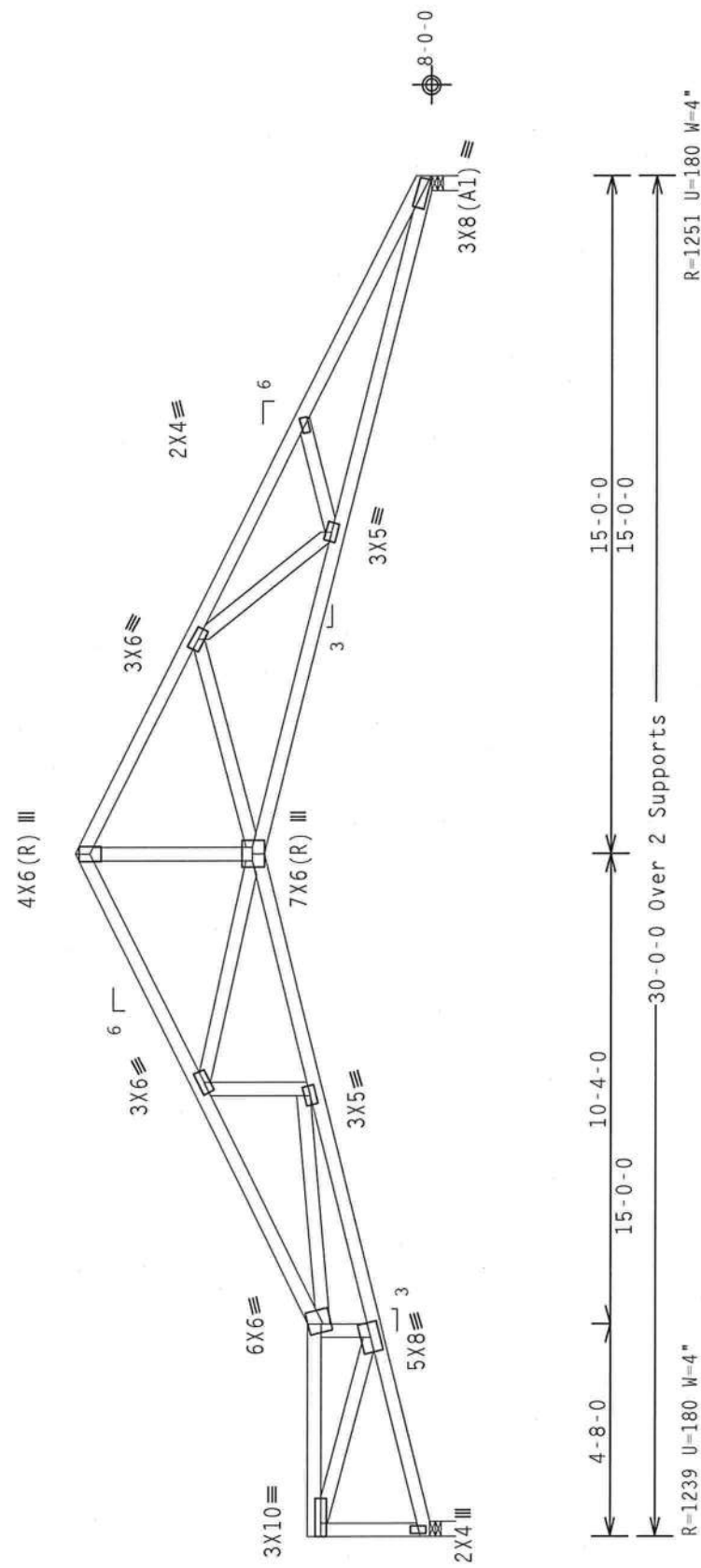
Plates sized for a minimum of 3.00 sq.in./piece.

Calculated horizontal deflection is 0.25" due to live load and 0.27" due to dead load.

Max JT VERT DEFL: LL: 0.34" DL: 0.36" recommended camber 5/8"

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

The overall height of this truss excluding overhang is 7-10-3.

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

Scale = .25"/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 BCGS' BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 WILSON AVENUE, SUITE 310, HAINES CITY, FL 33844 (407) 831-4000 FOR ALL TRUSS RELATED INFORMATION. UNLESS ENTERPRISE LABEL "N/AI50N 51 532719" FOR ATTACHED PANELS PROPERLY IDENTIFY THE FUNCTION OF EACH PANEL. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.			
	TC LL	20.0 PSF		
	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"		
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. CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-/55/K) ASTM A653 GRADE 40/60 (N, K/H-S5) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.				
REF	R215 -	32476		
DATE	02/19/07			
DRW	HCSR215	07050051		
HC-ENG	WHK/JHK			
SEQN-	38126			
FROM	CAW			
JREF-	1T50215_Z03			

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

Calculated horizontal deflection is 0.20" due to live load and 0.22" due to dead load.

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

OC.
The use of structural panels use purfills to brace all flat joists.

The overall height of this truss excluding overhang is 7-10-3.



PI-2002(STD)/FBC	Cg/RT=1.00(1.25)/10(0)	7
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QTY:1 FL/-15/-1-/R/-

Scale = .25"/Ft.

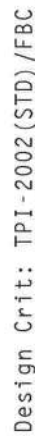
 ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPANY INFORMATION. PUBLISHED BUILDING CODES, TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304-4100, MUST BE USED FOR PROPER CONSTRUCTION OF THIS TRUSS. OTHERWISE LISTED EARTHQUAKE LANE, MODISOR, M1, 522191, 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 COMPLIANCE WITH THE DESIGN REQUIREMENTS, INCLUDING, SHIPPING, INSTALLING & BRACING OF TRUSSES, SHALL BE THE RESPONSIBILITY OF THE DESIGNER CONSULTING WITH THE PROJECT ARCHITECT OR ENGINEER (AS APPLICABLE). BY APPROX AND TPI. STEEL BEG CONNECTION PLATES ARE MADE OF 20/10/176GA./M.A.S.S.A. ASTM A563 GRADE 40K (IN K10-55) GALV. STEEL - APPROX. 11TH BCG 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 ABEX X3 OF TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AWS/TPI 1 SEC. 2.		 Feb 19 '07		REF R215-- 32477
	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"					
							DATE 02/19/07
							DRW HCUSR215 07050052
						HC-ENG WHK/WHK	
						SEEN- 38049	
						FROM CAW	
						JREF- 1T50215_Z03	

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

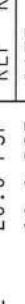
Calculated horizontal deflection is 0.21" due to live load and 0.22" due to dead load.

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

The overall height of this truss excluding overhang is 6-10-3.

 $Cq/RT=1.00(1.25)/10(0)$ 7.25.0502

Scale = .25"/Ft.



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

JAMES F. COLLINS, JR.
No. B2212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Feb 19 1997

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION FURNISHED BY TPI. (TRUSS PLATE SPEC. 310 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 DETRIORATION 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 AEP&A) AND TPI. ITW BCG TRUSS PLATES ARE MADE OF 20/18/16GA (W/MSX) ASTM A653 GRADE 40/60 (W. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES 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/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R215--	32478
TC DL	10.0 PSF	DATE	02/19/07	
BC DL	10.0 PSF	DRW	HCUSR215	07050053
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0 PSF	SEQN-	38115	
DUR.FAC.	1.25	FROM	CAW	
SPACING	24.0"	JREF-	1T50215_Z03	

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

Wind reactions based on MWFRS pressures.

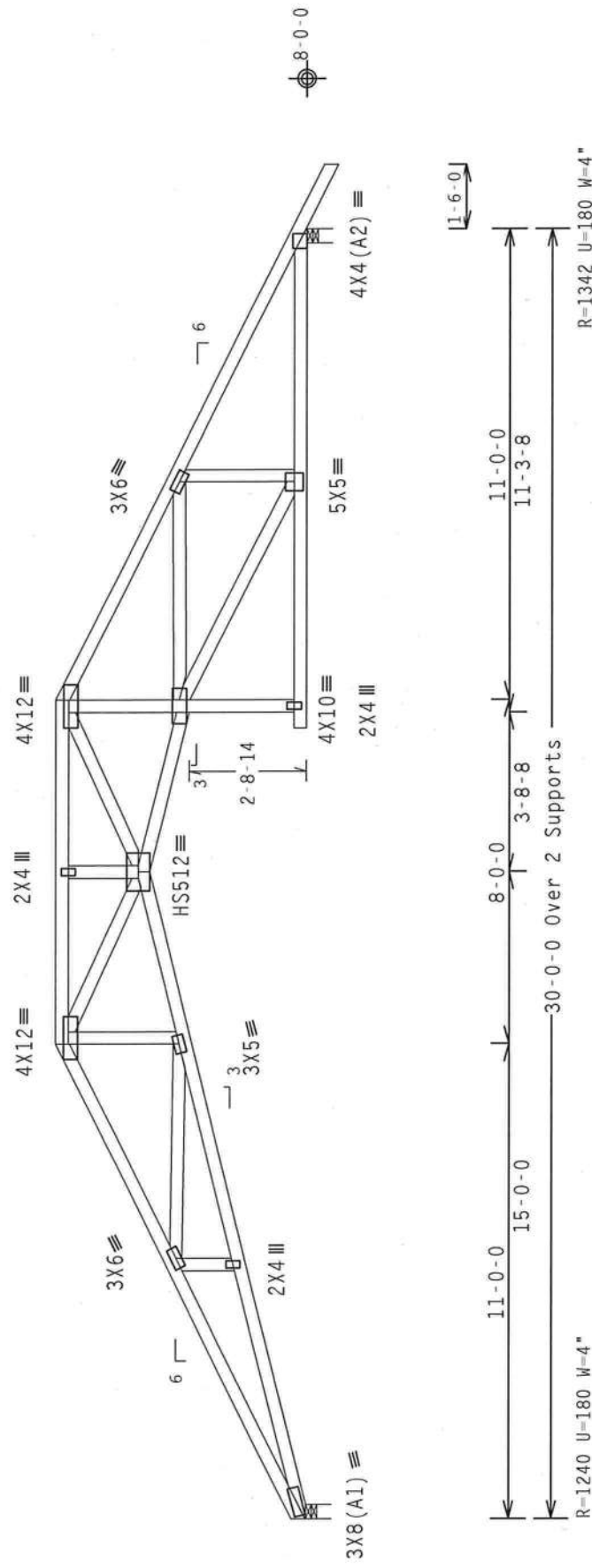
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

Calculated horizontal deflection is 0.26" due to live load and 0.27" due to dead load.

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

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



PLT TYP. 20 Gauge HS.Wave

Design Crit: TPI-2002(STD)/FBC

WARNING* RUSSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. COMPLETION OF THE PROJECT MUST BE APPROVED BY THE DESIGNER'S REPRESENTATIVE.

NORTH LEE STREET SUITE 302 CAMDEN NJ 07834
TELEPHONE 609-261-2244 FAX 609-261-2245
WWW.CQRT.COM

Cq/RT=1.00(1.25)/10(0) 7

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO FOLLOW THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS, INCLUDING SHIPPING, INSTALLING & BACKING OF TRUSSES.

ITW BCG
TRUSS DIVISION
ATTN: SALES
PO BOX 608
MILWAUKEE, WI 53206-0608

CONNECTION PLATES ARE MADE OF 70/30/15GA. (R-H)SSJ/GA. ASTM A575 GRADE 40/60 (A-Z)X/55 GALV. STEEL. APPLICATIONS TO OTHER MATERIALS OR THICKNESSES WILL BE AT THE USER'S RISK.

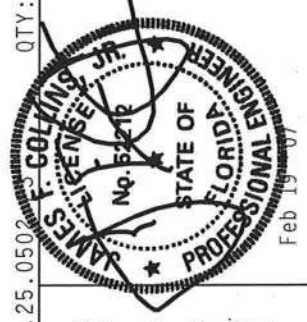
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2 THROUGH 160A-9.

AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP1-2002 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/TP1 1 SEC. 2.

QTY:1 FL/-/5/-/-/R/-/- Scale = 25"/Ft.

TC LL	20.0	PSF	REF	R215 --	32479
TC DL	10.0	PSF	DATE	02/19/07	
BC DL	10.0	PSF	DRW	HCUSR215	07050054
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	38121	
DUR.FAC.	1.25		FROM	CAW	
SPACING	24.0"		JREF-	1T50215_Z03	



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

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

Plates sized for a minimum of 3.00 sq.in./piece.

Plates sized for a minimum of 3.00 sq.in./piece.



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

Scale = 1.875" / Ft.

REF P21E- 32180

REF	KZ13	32480
DATE	02/10/07	

DATE 10/19/01

DRW HCUSR215 07050055

HC-ENG WHK/WHK

SF0N- 38045

DATE	DESCRIPTION	AMOUNT	CHECK NO.	BANK	INITIALS
10/1/01	DEPOSIT	100.00			
10/15/01	PAYROLL	50.00	101		
10/20/01	RENT	25.00	102		
10/25/01	UTILITIES	15.00	103		
10/30/01	SALES	75.00	104		
11/5/01	DEPOSIT	150.00			
11/10/01	PAYROLL	55.00	105		
11/15/01	RENT	25.00	106		
11/20/01	UTILITIES	15.00	107		
11/25/01	SALES	80.00	108		
11/30/01	DEPOSIT	160.00			
12/5/01	PAYROLL	60.00	109		
12/10/01	RENT	25.00	110		
12/15/01	UTILITIES	15.00	111		
12/20/01	SALES	85.00	112		
12/25/01	DEPOSIT	170.00			
12/30/01	PAYROLL	65.00	113		
12/31/01	RENT	25.00	114		
1/5/02	UTILITIES	15.00	115		
1/10/02	SALES	90.00	116		
1/15/02	DEPOSIT	180.00			
1/20/02	PAYROLL	70.00	117		
1/25/02	RENT	25.00	118		
1/30/02	UTILITIES	15.00	119		
1/31/02	SALES	95.00	120		
2/5/02	DEPOSIT	190.00			
2/10/02	PAYROLL	75.00	121		
2/15/02	RENT	25.00	122		
2/20/02	UTILITIES	15.00	123		
2/25/02	SALES	100.00	124		
2/28/02	DEPOSIT	200.00			
2/29/02	PAYROLL	80.00	125		
3/5/02	RENT	25.00	126		
3/10/02	UTILITIES	15.00	127		
3/15/02	SALES	105.00	128		
3/20/02	DEPOSIT	210.00			
3/25/02	PAYROLL	85.00	129		
3/30/02	RENT	25.00	130		
3/31/02	UTILITIES	15.00	131		
4/5/02	SALES	110.00	132		
4/10/02	DEPOSIT	220.00			
4/15/02	PAYROLL	90.00	133		
4/20/02	RENT	25.00	134		
4/25/02	UTILITIES	15.00	135		
4/30/02	SALES	115.00	136		
5/5/02	DEPOSIT	230.00			
5/10/02	PAYROLL	95.00	137		
5/15/02	RENT	25.00	138		
5/20/02	UTILITIES	15.00	139		
5/25/02	SALES	120.00	140		
5/30/02	DEPOSIT	240.00			
5/31/02	PAYROLL	100.00	141		
6/5/02	RENT	25.00	142		
6/10/02	UTILITIES	15.00	143		
6/15/02	SALES	125.00	144		
6/20/02	DEPOSIT	250.00			
6/25/02	PAYROLL	105.00	145		
6/30/02	RENT	25.00	146		
7/5/02	UTILITIES	15.00	147		
7/10/02	SALES	130.00	148		
7/15/02	DEPOSIT	260.00			
7/20/02	PAYROLL	110.00	149		
7/25/02	RENT	25.00	150		
7/30/02	UTILITIES	15.00	151		
7/31/02	SALES	135.00	152		
8/5/02	DEPOSIT	270.00			
8/10/02	PAYROLL	115.00	153		
8/15/02	RENT	25.00	154		
8/20/02	UTILITIES	15.00	155		
8/25/02	SALES	140.00	156		

FROM LAW

JREF- 1T50215_Z03

SPECIAL LOADS

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

TC - From 62 PLF at -1.50 to 62 PLF at 7.00
(Euler buckling: 1.23 / PLF buckling: 1.23)

IC	-	From	62 PLF at 7.00 to	62 PLF at 23.00
TC	-	From	62 PLF at 23.00 to	62 PLF at 31.50
BC	-	From	20 PLF at 0.00 to	20 PLF at 30.00
IC	-	371 LB Conc.	Load at 7.06,	22.94

18.94, 20.94
19/ LB CONC. Load at 9.00, 11.00, 13.00, 15.00, 16.94

BC -	OV1 LB CONC.	Load at	7.00,	23.00
BC -	82 LB CONC.	Load at	9.06,	11.06,
			13.06,	15.00,
			16.94	

18.94, 20.94
92 LB CONC. Load at 9.00, 11.00, 13.00, 15.00, 10.94

Plates sized for a minimum of 3.00 sq. in./piece.

 $Cq/RT=1.00(1.25)/10(0) \quad 7.25.0502.23$

Scale = .1875" / Ft.

TC LL	20.0 PSF	REF R215-- 32481
TC DL	10.0 PSF	DATE 02/19/07

BC LL	10.0 PSF	DKW HCSR215 07/050056
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN - 38085
DUR.FAC.	1.25	FROM CAW
SPACING	24.0"	JREF - 1T50215 703

DATE 02/19/07

DRW HCUSR215 07050056

HC-ENG WHK/WHK

SEQN- 38085

FROM CAW

JREF- 1T50215_Z03

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

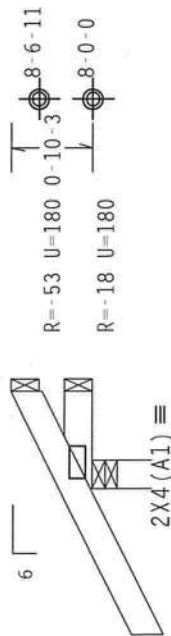
SPACING 24.0"

Feb 19 2007

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

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

The overall height of this truss excluding overhang is 0-10-3.



1-6-0

1-0-0 Over 3 Supports

R=254 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

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

TC LL	20.0	PSF	REF R215-- 32482
TC DL	10.0	PSF	DATE 02/19/07
BC DL	10.0	PSF	DRW HCURS215 07050057
BC LL	0.0	PSF	HC-ENG WHK/WHK
TOT.LD.	40.0	PSF	SEQN-- 38016
DUR.FAC.	1.25		FROM CAW
SPACING	24.0"		JREF- 1T50215_Z03



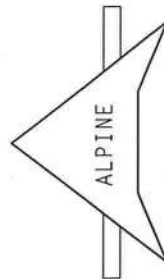
Feb 19 07

WARNING: THUSSES REQUIRE EXTREME CARE IN ERECTION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION FOR ALL MATERIALS. MATERIALS, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AFCA (WOOD TRUSS COUNCIL OF AMERICA, ENTERPRISE LANE, MADISON, WI, 53719). FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID 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 SPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF SDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (40/60 (W, K, H, SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 16GA-2.

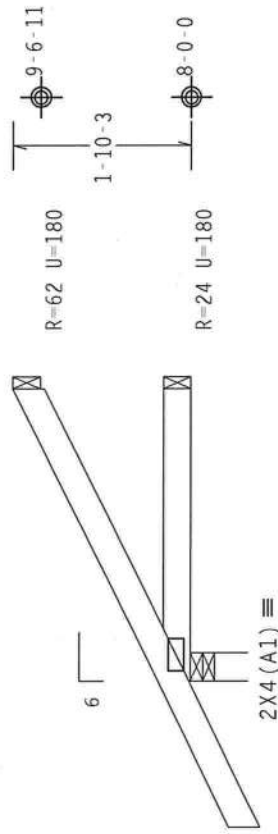
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



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,
Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf,
wind BC DL=5.0 psf.

Plates sized for a minimum of 3.00 sq. in./piece.



1-6-0



 0'-6.8" 2'-5.8" 3'-0.0" Over 3 Supports

Design Crit: TPI-2002(STD)/FBC

Scale = .5"/Ft.

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

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

PLT TYP. Wave

WARNING FRASSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION FOR PROPER GOOD TRUSS CONSTRUCTION. NORTH LEE STREET, SUITE 312, 45221-0154, ALA 36801-0154, FOR SAFETY PRACTICES PRIOR TO CONSTRUCTION. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED PLECEMENT.

****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, INCLUDING, SHIPPING, INSTALLING & BRACING OF TRUSSES, OR ANY OTHER CONSTRUCTION, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING DURING OR AFTER CONSTRUCTION. THE DESIGN IS FOR A STEEL TRUSS WITH 17" BCG CONNECTOR PLATES ARE MADE OF 2017/14GALVA. (ASTM A 572-50) 1/2" THICK. ALL STEEL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE SPECIFIED 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 ANX/TP13 SEC. 2.



TC LL	20.0	PSF	REF R215-- 32483
TC DL	10.0	PSF	DATE 02/19/07
BC DL	10.0	PSF	DRW HCUSR215 07050001
BC LL	0.0	PSF	HC-ENG MNM/ADR *
TOT.LD.	40.0	PSF	SEQN- 32884
DUR.FAC.	1.25		FROM CAW
SPACING	24.0"		JREF- 1T50215_Z03

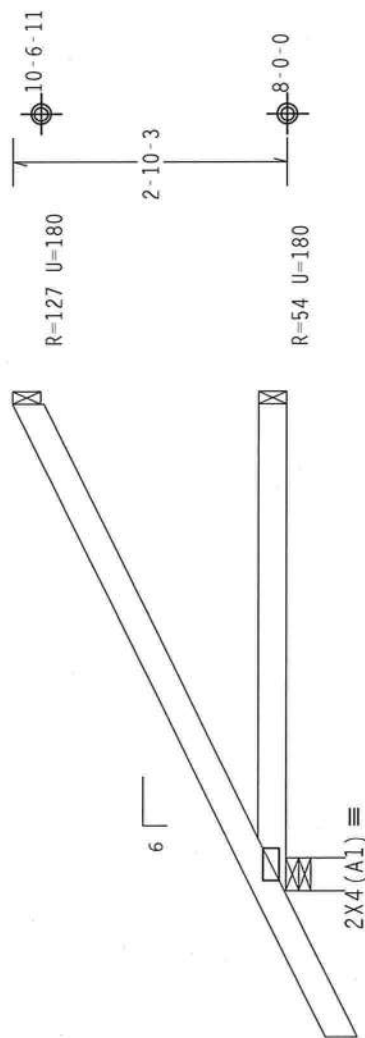
Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=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 2-10-3.



→ 1 - 6 - 0 →

5-0-0 Over 3 Supports

P=331 U=180 W=4"

Design Crit: TPI-2002(STD)/FBC

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. NORTH WEST TRUSSES, INC. HAS DEVELOPED AND PUBLISHED BPP (BROWNS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 202, ALBANY, NY 12212) AND A SAFETY MANUAL (NORTH WEST TRUSSES, INC., 100 ENTERPRISE LANE, SUITE 101, 52719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

$Cq/RT=1.00(1.25)/10(0) \quad 7.$

*****IMPORTANT*****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO FOLLOW THE TRUSS IN COMPLIANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONCEPTS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC, BY AISC) AND TP1. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS TO EACH FACE OF TRUSS AND UNLESS OTHERWISE SPECIFIED THIS DESIGN POSITION PER DRAWING. A SEAL ON THIS PLATES TO INDICATE THE DATE OF INSPECTION. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 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 ANNEX/TP1 1 SEC. 2.

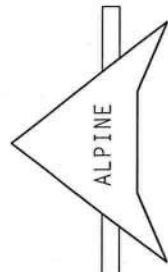
PLT TYP. Wave

502

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

Scale = .5"/Ft.

TC LL	20.0 PSF	REF R215- - 32484
TC DL	10.0 PSF	DATE 02/19/07
BC DL	10.0 PSF	DRW HCUSR215 07050058
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 38029
DUR.FAC.	1.25	FROM CAW
SPACING	24.0"	JREF- 1T50215_Z03



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

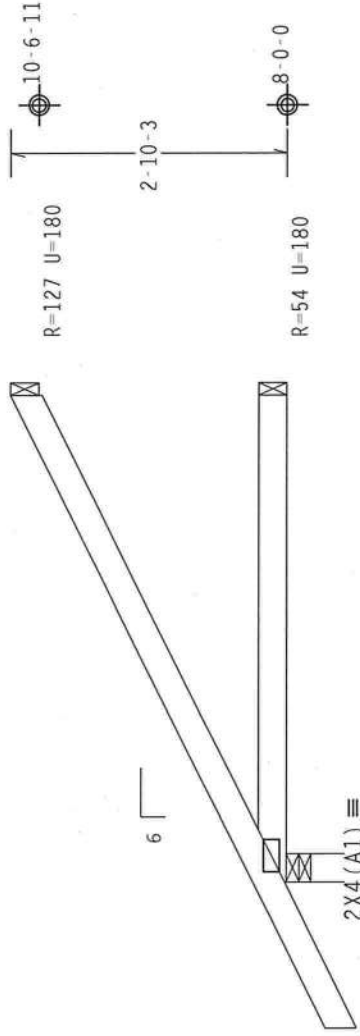
Wind reactions based on MMFRS pressures.

Plates sized for a minimum of 3.00 sq.in./piece.

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

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

The overall height of this truss excluding overhang is 2-10-3.



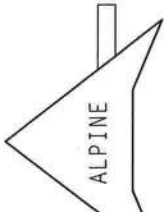
←1-6-0→

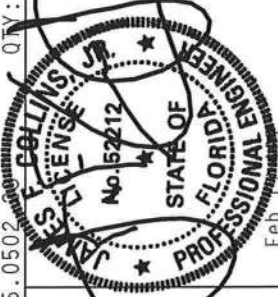
←5-0-0 Over 3 Supports →
R-331 U=180 W-3.5"

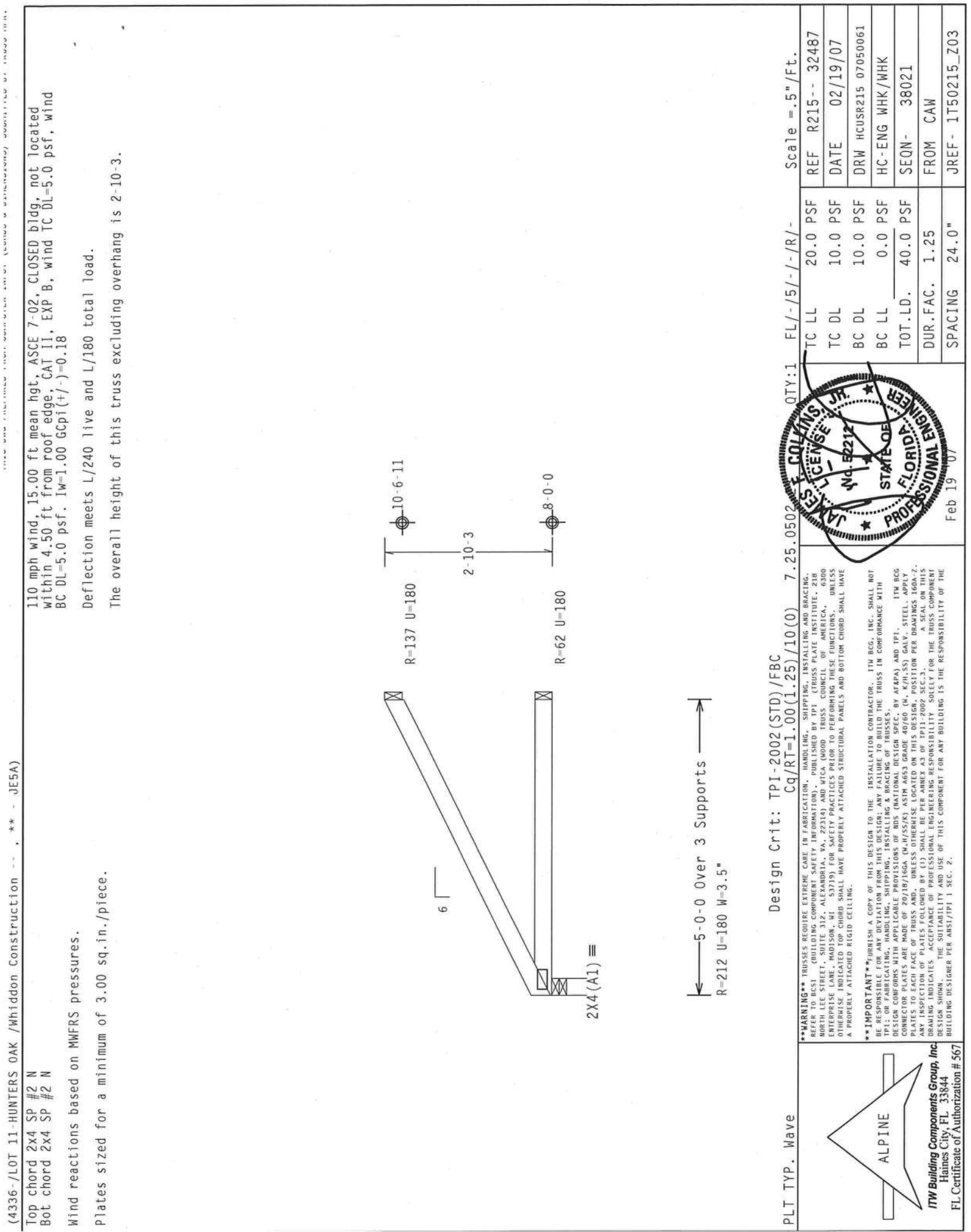
Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.25.0502

Scale = .5"/Ft.

 ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	PLT TYP. Wave		QTY:1		FL/-/5/-/-/R/-		REF R215-- 32486	
	Design Crit: TPI-2002(STD)/FBC		Cq/RT=1.00(1.25)/10(0)		7.25.0502		TC LL 20.0 PSF	
	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		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		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		TC DL 10.0 PSF	
	Deflection meets L/240 live and L/180 total load.		The overall height of this truss excluding overhang is 2-10-3.		The overall height of this truss excluding overhang is 2-10-3.		BC DL 10.0 PSF	
	Wind reactions based on MMFRS pressures.		Plates sized for a minimum of 3.00 sq.in./piece.		Plates sized for a minimum of 3.00 sq.in./piece.		BC LL 0.0 PSF	
	Top chord 2x4 SP #2 N		Bot chord 2x4 SP #2 N		Top chord 2x4 SP #2 N		TOT.LD. 40.0 PSF	
								DUR.FAC. 1.25
								SPACING 24.0"
								FROM CAW
								JREF- 1T50215_Z03





(4336-/LOT 11-HUNTERS OAK /Whiddon Construction --, ** - JE5A)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Wind reactions based on MWFRS pressures.
Plates sized for a minimum of 3.00 sq.in./piece.

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
Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 2-10-3.

6
2X4 (A1) =

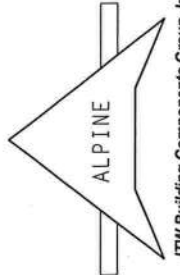
R-137 U=180
2-10-3
R-62 U=180
10-6-11
8-0-0

5-0-0 Over 3 Supports
R=212 U=180 W=3.5"

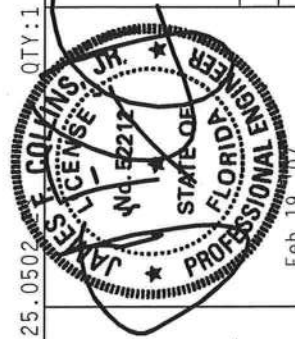
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0502 Scale = .5"/Ft.

PLT TYP. Wave

REF R215-- 32487
DATE 02/19/07
DRW HCUSR215 07050061
HC-ENG WHK/WHK
SEQN- 38021
FROM CAW
JREF- 1T50215_Z03

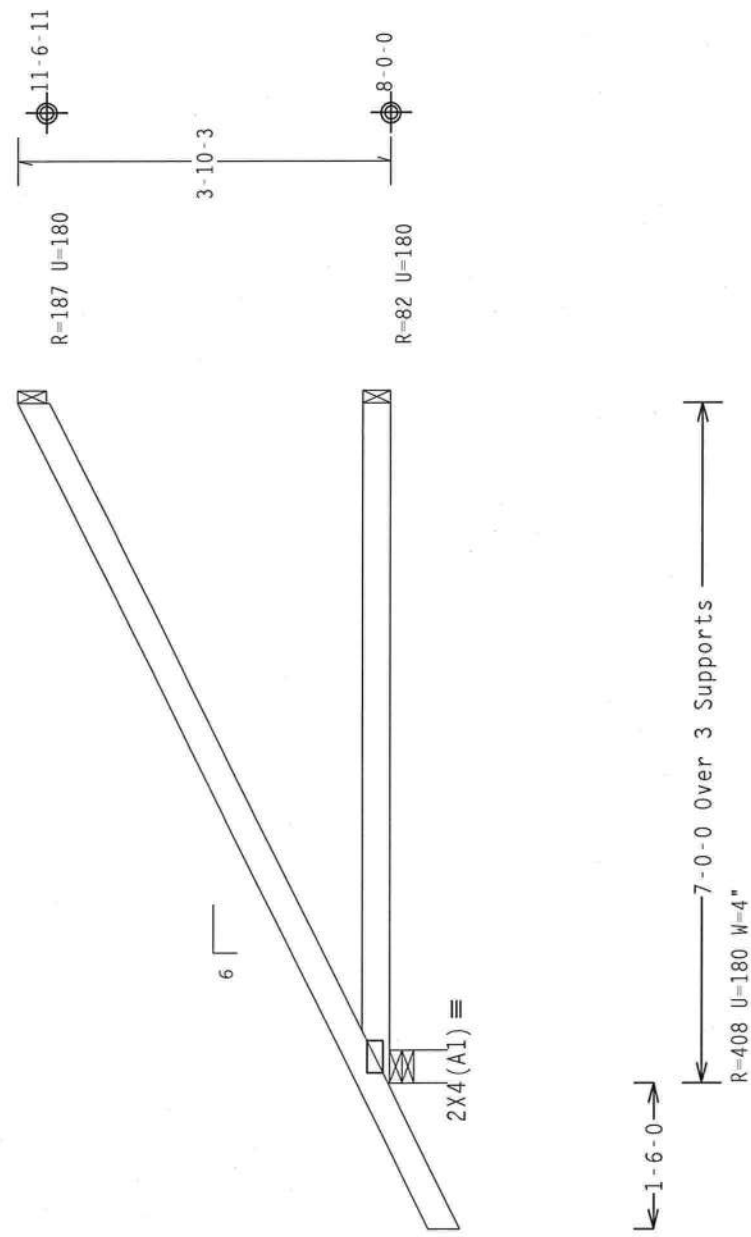


ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



Feb 19 07

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Wind reactions based on MWFRS pressures.
Plates sized for a minimum of 3.00 sq.in./piece.
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.
The overall height of this truss excluding overhang is 3-10-3.



PLT TYP. Wave



ALPINE

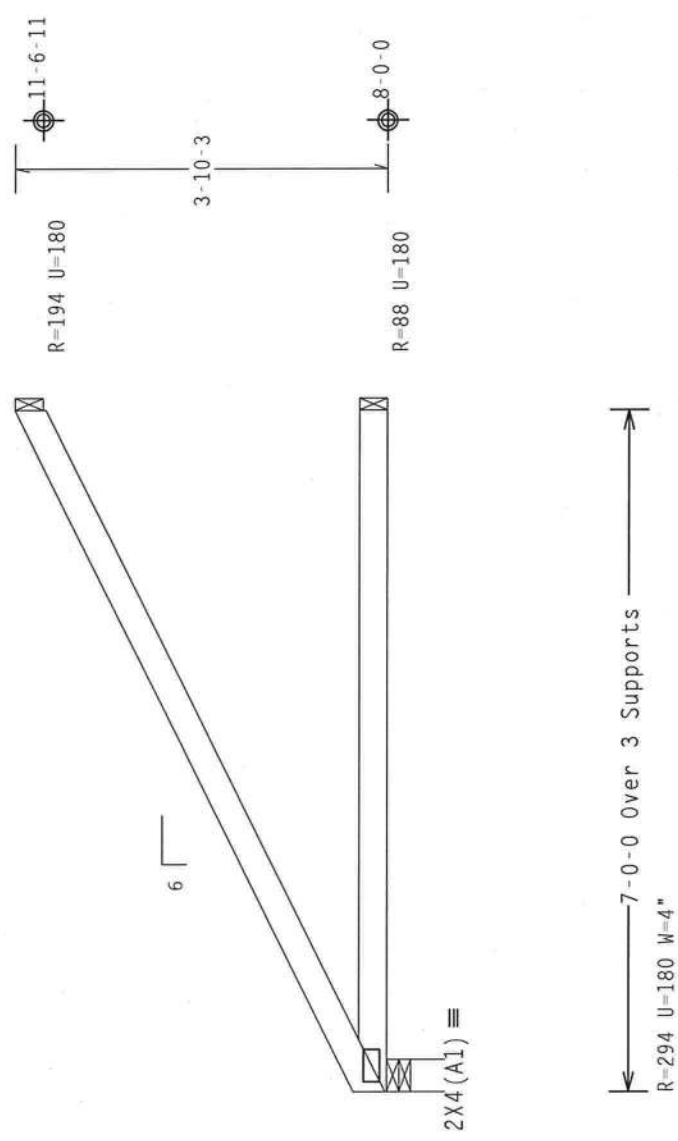
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) **7.25.0502** **QTY:**1 **FL/-/5/-/-/R/-** **Scale =.5"/Ft.**

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) , PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICKA (WOOD TRUSS COUNCIL OF AMERICA, 6300 OTHERSIDE DRIVE, SUITE 100, FORT WORTH, TEXAS 76116) FOR SAFETY PRECAUTIONS TO PREVENTING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CONNECTION PLATES ARE MADE OF 20/18/16GA (.0475SSX) ASTM A653 GRADE 40/60 (N, K/H-SS) GALV. STEEL. APPLY 100% ZINC CHROMIUM FLUORIDE PASSIVATION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES, FOLLOWED BY TPI SHALL BE FINISHED AN IF TPI 2002 SEC. 10.002. DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.		Feb 19, 2002
	TC LL	20.0 PSF
	TC DL	10.0 PSF
	BC DL	10.0 PSF
	BC LL	0.0 PSF
	TOT.L.D.	40.0 PSF
DUR.-FAC.	1.25	
SPACING	24.0"	
		REF R215-- 32488 DATE 02/19/07 DRW HCUSR215 07050062 HC-ENG WHK/WHK SEQN- 38035 FROM CAW JREF- 1T50215_Z03

Top chord 2x4 SP #2 N
Dot chord 2x4 SP #2 N
Wind reactions based on MWFRS pressures.
Plates sized for a minimum of 3.00 sq.in./piece.
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.
The overall height of this truss excluding overhang is 3-10-3.



PLT TYP. Wave

ALPINE

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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) **7.25.0502** **FL/-/5/-/-R/-** **Scale = .5"/Ft.**

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 HORTON LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WICKA (WOOD TRUSS COUNCIL OF AMERICA, 6200 WOODHURST DRIVE, SUITE 100, FARMINGTON, CT 06030) FOR ADDITIONAL INFORMATION. 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 CONDITIONS WITH APPLICABLE PROVISIONS OF BOCS (NATIONAL DESIGN SPEC., BY ASEPAA) AND TPI. ITW BCG DESIGNER CONFORMS WITH APPLICABLE PROVISIONS OF BOCS (NATIONAL DESIGN SPEC., BY ASEPAA) AND TPI. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE TRUSS SHALL BE DESIGNED TO BE USED IN THE POSITION PER DRAWINGS 1600-2. A SEAL ON THIS 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.

QTY: 1



Feb 19 2007

REF	R215 --	32489
DATE	02/19/07	
DRW	HCUSR215	07050063
HC-ENG	WHK/WHK	
SEQN-	38039	
FROM	CAW	
JREF-	1T50215_Z03	

(4336- /LOT 11- HUNTERS

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CL05ED 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.

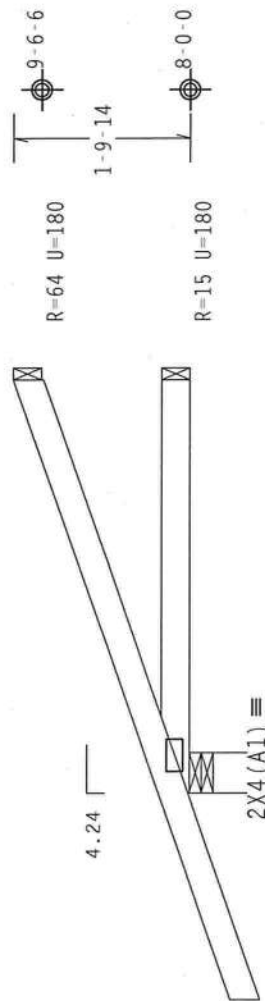
Plates sized for a minimum of 3.00 sq.in./piece.

SPECIAL LOADS

	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From	61 PLF at -2.12 to
BC - From	4 PLF at -2.12 to
BC - From	20 PLF at 0.00 to
TC -	-107 LB Conc. Load at 1.48
BC -	-35 LB Conc. Load at 1.48

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

The overall height of this truss excluding overhang is 1-9-14.


$$\overleftrightarrow{2-1-7}$$

← 4-2-15 Over 3 Supports →
R=262 U=180 W=4.95"

Design Crit: TPI-2002(STD)/FBC

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

Scale = .5"/Ft.

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

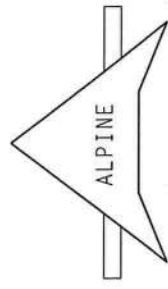
02.23.2011

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY HANDBOOK BY THE STEEL INSTITUTE, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WCA AND TRUSS SOURCE OF THE ENTIRE PROJECT. HUDSON, MI. 52719) FOR THE BEST 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.

$Cq/RT=1.00(1.25)/10(0) \quad 7.$

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

DESIGN COMES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITW BCG HAS REVIEWED THIS DESIGN FOR COMPLIANCE WITH 174-180(16) AND 174-180(17) GALVNEC 174-180(18) GALVNEC 174-180(19) GALVNEC 174-180(20) GALVNEC 174-180(21) GALVNEC 174-180(22) GALVNEC 174-180(23) GALVNEC 174-180(24) GALVNEC 174-180(25) GALVNEC 174-180(26) GALVNEC 174-180(27) GALVNEC 174-180(28) GALVNEC 174-180(29) GALVNEC 174-180(30) GALVNEC 174-180(31) GALVNEC 174-180(32) GALVNEC 174-180(33) GALVNEC 174-180(34) GALVNEC 174-180(35) GALVNEC 174-180(36) GALVNEC 174-180(37) GALVNEC 174-180(38) GALVNEC 174-180(39) GALVNEC 174-180(40) GALVNEC 174-180(41) GALVNEC 174-180(42) GALVNEC 174-180(43) GALVNEC 174-180(44) GALVNEC 174-180(45) GALVNEC 174-180(46) GALVNEC 174-180(47) GALVNEC 174-180(48) GALVNEC 174-180(49) GALVNEC 174-180(50) GALVNEC 174-180(51) GALVNEC 174-180(52) GALVNEC 174-180(53) GALVNEC 174-180(54) GALVNEC 174-180(55) GALVNEC 174-180(56) GALVNEC 174-180(57) GALVNEC 174-180(58) GALVNEC 174-180(59) GALVNEC 174-180(60) GALVNEC 174-180(61) GALVNEC 174-180(62) GALVNEC 174-180(63) GALVNEC 174-180(64) GALVNEC 174-180(65) GALVNEC 174-180(66) GALVNEC 174-180(67) GALVNEC 174-180(68) GALVNEC 174-180(69) GALVNEC 174-180(70) GALVNEC 174-180(71) GALVNEC 174-180(72) GALVNEC 174-180(73) GALVNEC 174-180(74) GALVNEC 174-180(75) GALVNEC 174-180(76) GALVNEC 174-180(77) GALVNEC 174-180(78) GALVNEC 174-180(79) GALVNEC 174-180(80) GALVNEC 174-180(81) GALVNEC 174-180(82) GALVNEC 174-180(83) GALVNEC 174-180(84) GALVNEC 174-180(85) GALVNEC 174-180(86) GALVNEC 174-180(87) GALVNEC 174-180(88) GALVNEC 174-180(89) GALVNEC 174-180(90) GALVNEC 174-180(91) GALVNEC 174-180(92) GALVNEC 174-180(93) GALVNEC 174-180(94) GALVNEC 174-180(95) GALVNEC 174-180(96) GALVNEC 174-180(97) GALVNEC 174-180(98) GALVNEC 174-180(99) GALVNEC 174-180(100) GALVNEC 174-180(101) GALVNEC 174-180(102) GALVNEC 174-180(103) GALVNEC 174-180(104) GALVNEC 174-180(105) GALVNEC 174-180(106) GALVNEC 174-180(107) GALVNEC 174-180(108) GALVNEC 174-180(109) GALVNEC 174-180(110) GALVNEC 174-180(111) GALVNEC 174-180(112) GALVNEC 174-180(113) GALVNEC 174-180(114) GALVNEC 174-180(115) GALVNEC 174-180(116) GALVNEC 174-180(117) GALVNEC 174-180(118) GALVNEC 174-180(119) GALVNEC 174-180(120) GALVNEC 174-180(121) GALVNEC 174-180(122) GALVNEC 174-180(123) GALVNEC 174-180(124) GALVNEC 174-180(125) GALVNEC 174-180(126) GALVNEC 174-180(127) GALVNEC 174-180(128) GALVNEC 174-180(129) GALVNEC 174-180(130) GALVNEC 174-180(131) GALVNEC 174-180(132) GALVNEC 174-180(133) GALVNEC 174-180(134) GALVNEC 174-180(135) GALVNEC 174-180(136) GALVNEC 174-180(137) GALVNEC 174-180(138) GALVNEC 174-180(139) GALVNEC 174-180(140) GALVNEC 174-180(141) GALVNEC 174-180(142) GALVNEC 174-180(143) GALVNEC 174-180(144) GALVNEC 174-180(145) GALVNEC 174-180(146) GALVNEC 174-180(147) GALVNEC 174-180(148) GALVNEC 174-180(149) GALVNEC 174-180(150) GALVNEC 174-180(151) GALVNEC 174-180(152) GALVNEC 174-180(153) GALVNEC 174-180(154) GALVNEC 174-180(155) GALVNEC 174-180(156) GALVNEC 174-180(157) GALVNEC 174-180(158) GALVNEC 174-180(159) GALVNEC 174-180(160) GALVNEC 174-180(161) GALVNEC 174-180(162) GALVNEC 174-180(163) GALVNEC 174-180(164) GALVNEC 174-180(165) GALVNEC 174-180(166) GALVNEC 174-180(167) GALVNEC 174-180(168) GALVNEC 174-180(169) GALVNEC 174-180(170) GALVNEC 174-180(171) GALVNEC 174-180(172) GALVNEC 174-180(173) GALVNEC 174-180(174) GALVNEC 174-180(175) GALVNEC 174-180(176) GALVNEC 174-180(177) GALVNEC 174-180(178) GALVNEC 174-180(179) GALVNEC 174-180(180) GALVNEC 174-180(181) GALVNEC 174-180(182) GALVNEC 174-180(183) GALVNEC 174-180(184) GALVNEC 174-180(185) GALVNEC 174-180(186) GALVNEC 174-180(187) GALVNEC 174-180(188) GALVNEC 174-180(189) GALVNEC 174-180(190) GALVNEC 174-180(191) GALVNEC 174-180(192) GALVNEC 174-180(193) GALVNEC 174-180(194) GALVNEC 174-180(195) GALVNEC 174-180(196) GALVNEC 174-180(197) GALVNEC 174-180(198) GALVNEC 174-180(199) GALVNEC 174-180(200) GALVNEC 174-180(201) GALVNEC 174-180(202) GALVNEC 174-180(203) GALVNEC 174-180(204) GALVNEC 174-180(205) GALVNEC 174-180(206) GALVNEC 174-180(207) GALVNEC 174-180(208) GALVNEC 174-180(209) GALVNEC 174-180(210) GALVNEC 174-180(211) GALVNEC 174-180(212) GALVNEC 174-180(213) GALVNEC 174-180(214) GALVNEC 174-180(215) GALVNEC 174-180(216) GALVNEC 174-180(217) GALVNEC 174-180(218) GALVNEC 174-180(219) GALVNEC 174-180(220) GALVNEC 174-180(221) GALVNEC 174-180(222) GALVNEC 174-180(223) GALVNEC 174-180(224) GALVNEC 174-180(225) GALVNEC 174-180(226) GALVNEC 174-180(227) GALVNEC 174-180(228) GALVNEC 174-180(229) GALVNEC 174-180(230) GALVNEC 174-180(231) GALVNEC 174-180(232) GALVNEC 174-180(233) GALVNEC 174-180(234) GALVNEC 174-180(235) GALVNEC 174-180(236) GALVNEC 174-180(237) GALVNEC 174-180(238) GALVNEC 174-180(239) GALVNEC 174-180(240) GALVNEC 174-180(241) GALVNEC 174-180(242) GALVNEC 174-180(243) GALVNEC 174-180(244) GALVNEC 174-180(245) GALVNEC 174-180(246) GALVNEC 174-180(247) GALVNEC 174-180(248) GALVNEC 174-180(249) GALVNEC 174-180(250) GALVNEC 174-180(251) GALVNEC 174-180(252) GALVNEC 174-180(253) GALVNEC 174-180



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

James City, FL 35044
FL Certificate of Authorization # 567

TC LL	20.0 PSF	REF R215-- 32490
TC DL	10.0 PSF	DATE 02/19/07
BC DL	10.0 PSF	DRW HCUR215 07050064
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 38072
DUR.FAC.	1.25	FROM CAW
SPACING	24.0"	JREF- 1750215_Z03

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.

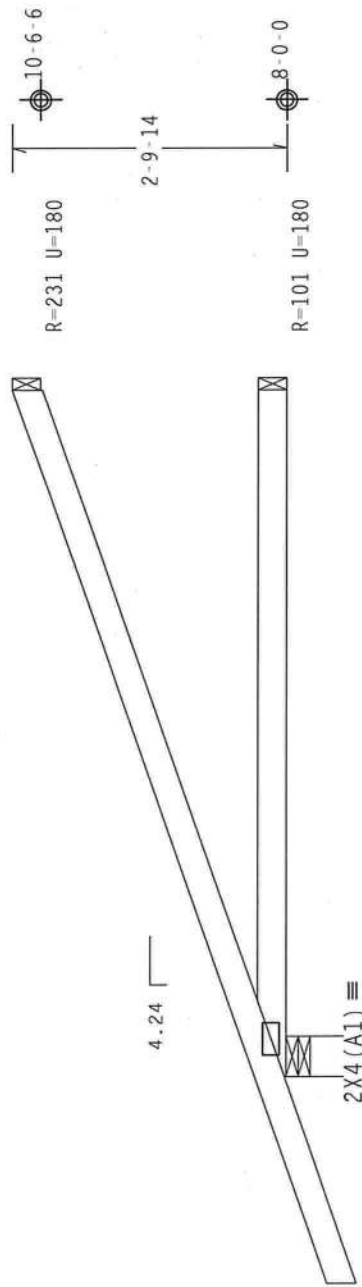
Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 2-9-14.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 61 PLF at -2.12 to 61 PLF at 7.07
BC - From 4 PLF at -2.12 to 4 PLF at 0.00
TC - From 20 PLF at 0.00 to 20 PLF at 7.07
TC - 107 LB Conc. Load at 1.48
TC - 124 LB Conc. Load at 4.31
BC - 35 LB Conc. Load at 1.48
BC - 47 LB Conc. Load at 4.31

Plates sized for a minimum of 3.00 sq.in./piece.



2-1-7

7-0-14 Over 3 Supports
R=410 U=180 W=4.95"

Design Crit: TPI-2002(STD)/FBC

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

7.25.0502

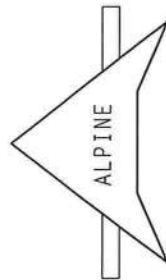
FL/-5/-/-/R/-

Scale = .5"/Ft.

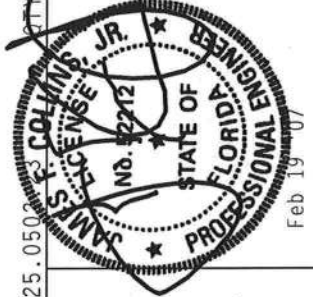
PLT TYP. Wave

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. BY ACCEPTING AND APPLYING THIS DESIGN, THE CONTRACTOR PLATES ARE MADE OF 20/18/16GA (W-H/SS/PS) ASTM A575 GRADE 40/60 (W-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 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



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-- 32491
DATE	02/19/07
DRW	HCUSR215 07050065
HC-ENG	WHK/WHK
SEQN	38068
FROM	CAW
JREF	1T50215_Z03

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

Wind reactions based on MWFRS pressures.

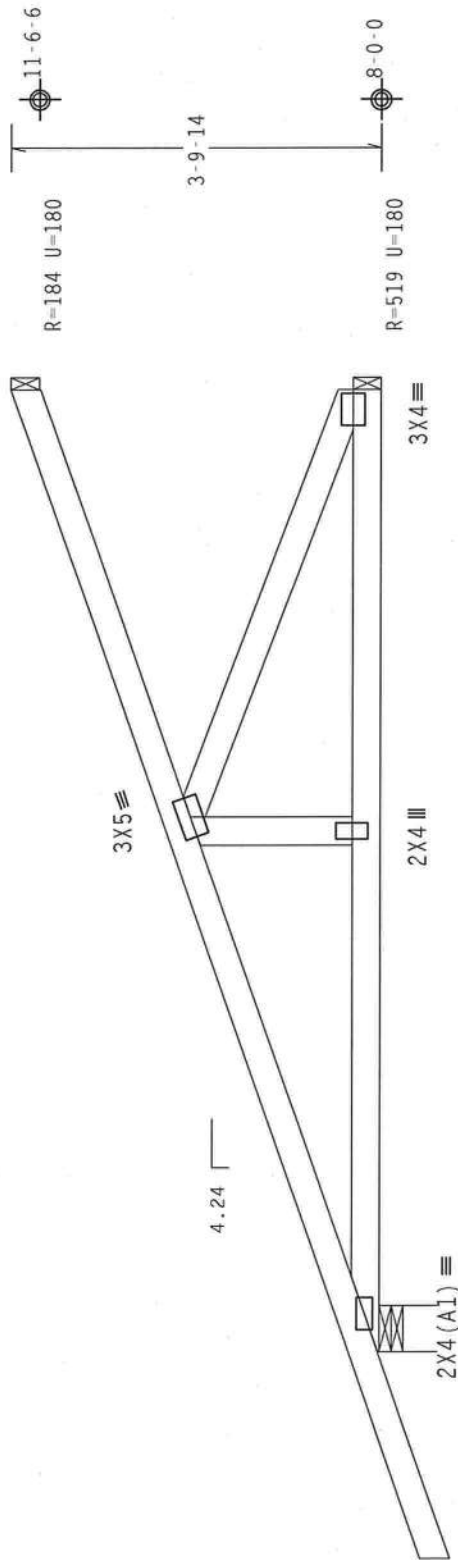
Deflection meets L/240 live and L/180 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

SPECIAL LOADS

	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)	
	61 PLF at -2.12 to	4 PLF at -2.12 to
	61 PLF at -2.12 to	4 PLF at -2.12 to
	20 PLF at -2.12 to	20 PLF at -2.12 to
TC - From	-107 LB Conc. Load at 1.48	-107 LB Conc. Load at 1.48
BC - From	124 LB Conc. Load at 4.31	124 LB Conc. Load at 4.31
BC - From	255 LB Conc. Load at 7.13	255 LB Conc. Load at 7.13
TC - From	-35 LB Conc. Load at 1.48	-35 LB Conc. Load at 1.48
BC - From	47 LB Conc. Load at 4.31	47 LB Conc. Load at 4.31
BC - From	108 LB Conc. Load at 7.13	108 LB Conc. Load at 7.13

The overall height of this truss excluding overhang is 3-9-14.


$$\overleftrightarrow{2-1-7}$$

9-10-13 Over 3 Supports

R=632 U=216 W=5.657"

Design Crit: TPI-2002(STD)/FBC

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

502

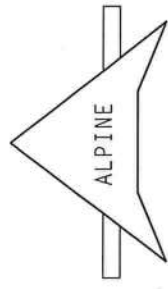
FL/-/5/-/-/R/-/

Scale = .5" / Ft.

Scale = .5" / Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS' BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE CRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND AISC AND AISC 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.

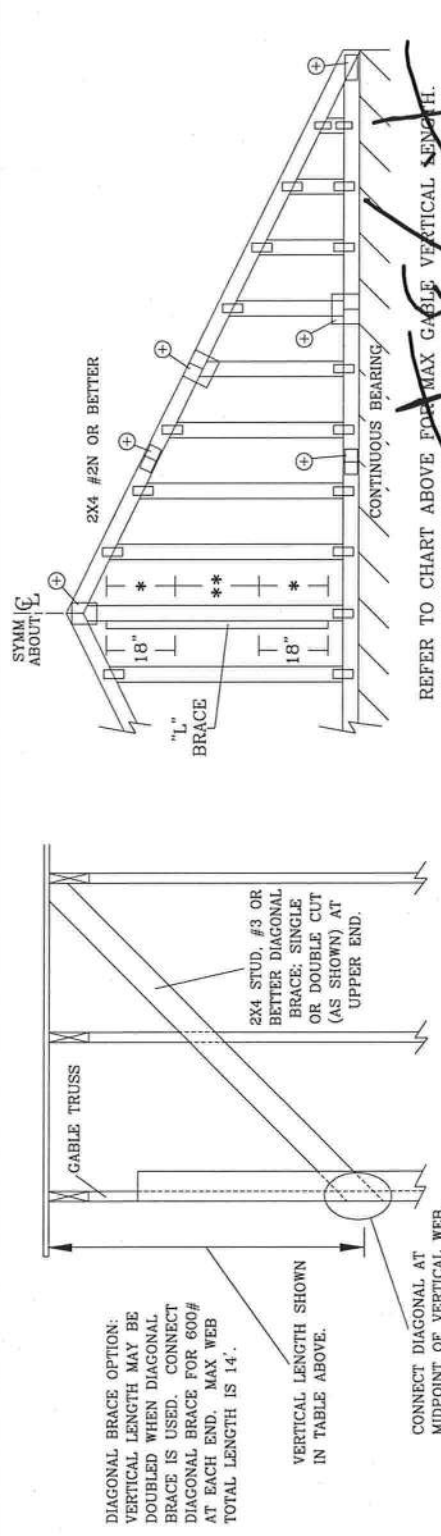
*****IMPORTANT*****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1-OR SPECIFICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THIS NATIONAL DESIGN SPEC. WITH TP1-OR CONNECTOR PLATES ARE MADE FOR TRUSSES OF THIS NATIONAL DESIGN SPEC. TP1-OR STEEL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS IGOA-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A3 OF TP1-2002 SEC. 3. 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 TP1-1 SEC. 2.



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

TC LL	20.0 PSF	REF R215-- 32492
TC DL	10.0 PSF	DATE 02/19/07
BC DL	10.0 PSF	DRW HCUR215 07050066
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 38076
DUR.FAC.	1.25	FROM CAW
SPACING	24.0"	JREF- 1750215_Z03

2X4 GABLE VERTICAL SPACING		BRACE GRADE		(1) 1X4 "L" BRACE		(2) 2X4 "L" BRACE		(1) 2X6 "L" BRACE		(2) 2X6 "L" BRACE	
SPACING	SPECIES	#1 / #2	GRADE	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
MAX GABLE VERTICAL LENGTH	SPF	3' 10"	#1 / #2	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"
	HF	3' 9"	#3	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"
	STUD	3' 9"	STUD	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"
	STANDARD	3' 9"	STANDARD	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"
24" O.C.	SP	4' 3"	#1	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"
	HF	4' 2"	#3	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"
	STUD	4' 0"	STUD	6' 1"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"
	STANDARD	3' 10"	STANDARD	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	10' 10"	14' 0"	14' 0"
16" O.C.	SPF	4' 5"	#1 / #2	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"
	HF	4' 4"	#3	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"
	STUD	4' 4"	STUD	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"
	STANDARD	4' 4"	STANDARD	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"
12" O.C.	SPF	4' 10"	#1	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"
	HF	4' 9"	#2	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"
	STUD	4' 6"	#3	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"
	STANDARD	4' 5"	STANDARD	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"
12" O.C.	SPF	4' 9"	#1 / #2	8' 5"	8' 5"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"
	HF	4' 9"	#3	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"
	STUD	4' 9"	STUD	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"
	STANDARD	4' 9"	STANDARD	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"
12" O.C.	SPF	5' 3"	#1	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"
	HF	5' 3"	#2	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"
	STUD	5' 0"	#3	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"
	STANDARD	4' 11"	STANDARD	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"



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

VERTICAL LENGTH SHOWN IN TABLE ABOVE.

CONNECT DIAGONAL AT MIDPOINT OF VERTICAL WEB.

REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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BRACING GROUP SPECIES AND GRADES:

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

DOUGLAS FIR-LARCH

#3 STUD	STANDARD
---------	----------

DOUGLAS FIR-LARCH

#3 STUD	STANDARD
---------	----------

GROUP B:

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

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

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

GABLE VERTICAL PLATE SIZES

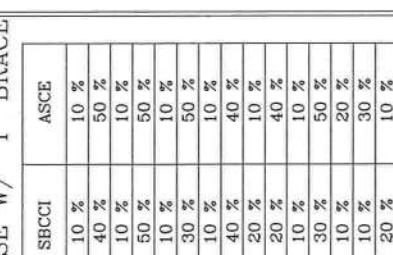
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

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

REF	ASCE7-02-GABI1015
DATE	11/1/06
DRWG	A11015EE1106
-ENG	

MAX. TOT. LD.	60 PSF
MAX. SPACING	24.0"

SYM. G
ABOUT



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

WIND SPEED AND MRH	" ₁₁ " REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	40 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:
 ASCE WIND SPEED = 100 MPH
 MEAN ROOF HEIGHT = 30 FT.
 CABLE VERTICAL = 24" O.C. SP #3
 "T" REINFORCING MEMBER SIZE = 2X4
 "T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
 (1) 2X4 "L" BRACE LENGTH = 6' 7"
 MAXIMUM "T" REINFORCED BRACE VERTICAL LENGTH
 1.10 x 6' 7" = 7' 3"

~~FACES DRAWINGS GAB98117 876.719 & HC26294035~~

MAX TOT. LD. 60 PSF	REF	LET-IN VERT
DUR. FAC. ANY	DATE	11/1/06
MAX SPACING 24.0"	DRWG	GBLLETINI106
	-ENG	DLJ/KAR

THIS DRAWING NEEDS
 JAMES F. COLKINS, P.E.
 LICENSE No. 52212
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 07/19/06

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPANETRY INFORMATION, PUBLISHED BY TPI TRUSS COMPANY, INC., INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND WTCA WOOD TRUSS COMPANY OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

CLB WEB BRACE SUBSTITUTION

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

NOTES:

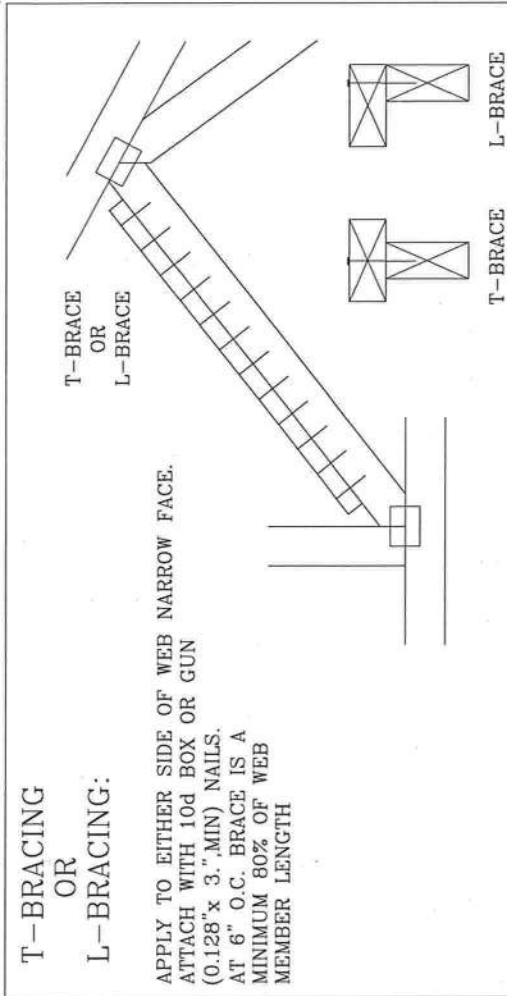
THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

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

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

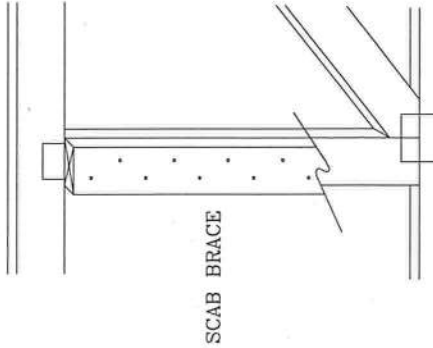
T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

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



SCAB BRACING:

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



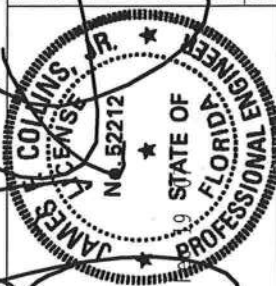
THIS DRAWING REPLACES DRAWING 579,640

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ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA



1C LL	PSF	REF	CLB SUBST.
T DL	PSF	DATE	11/1/06
BC DL	PSF	DRWG	BRCLBSUB1106
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
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"

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

James A. Collins, P.E.
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REF BEARING BLOCK
DATE 11/1/06
DRWG CNBRGBLK1106
-ENG SJP/KAR

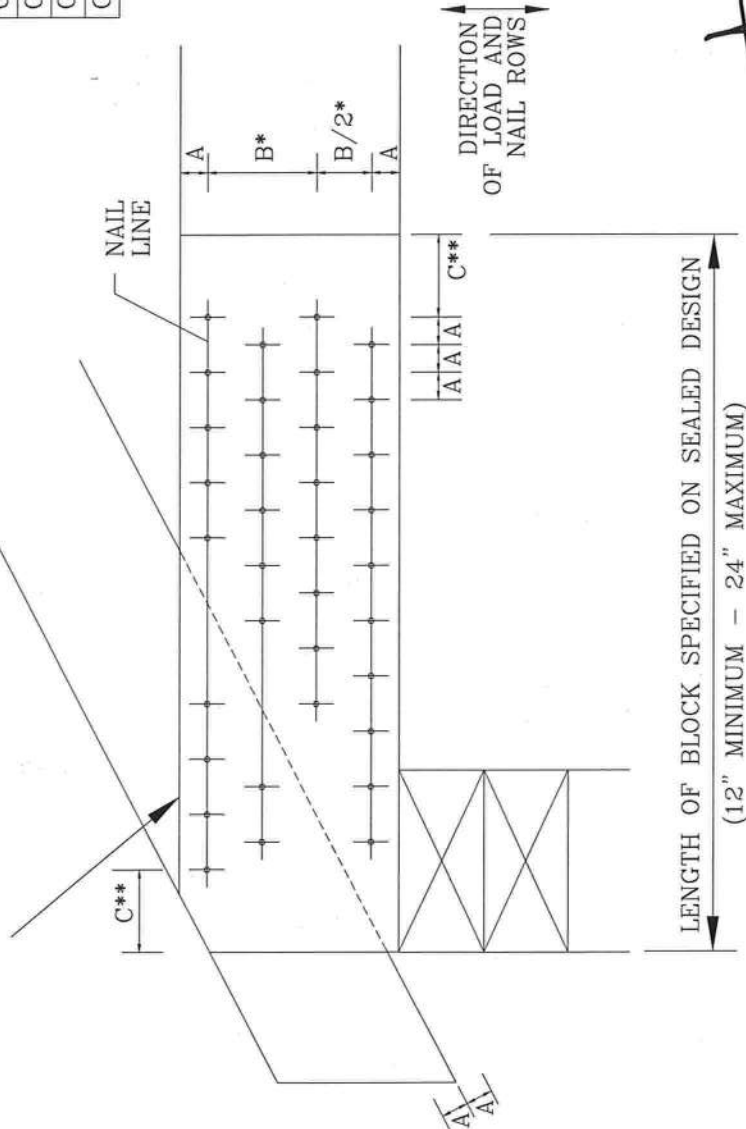
MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

- 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 (Fc-perp) IS AT LEAST THAT OF THE CHORD.



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ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA



Product Approval
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- ▶ COMMUNITY PLANNING
- ▶ HOUSING & COMMUNITY DEVELOPMENT
- ▶ EMERGENCY MANAGEMENT
- ▶ OFFICE OF THE SECRETARY

FL # **FL1956-R1**
Application Type **Revision**
Code Version **2004**
Application Status **Approved**
Comments ☐
Archived

Product Manufacturer
Address/Phone/Email

TAMKO Building Products, Inc.
PO Box 1404
Joplin, MO 64802
(800) 641-4691 ext 2394
fred_oconnor@tamko.com

Authorized Signature

Frederick O'Connor
fred_oconnor@tamko.com

Technical Representative
Address/Phone/Email

Frederick J. O'Connor
PO Box 1404
Joplin, MO 64802
(800) 641-4691
fred_oconnor@tamko.com

Quality Assurance Representative
Address/Phone/Email

Category
Subcategory

Roofing
Asphalt Shingles

Compliance Method

Certification Mark or Listing

Certification Agency

Underwriters Laboratories Inc.

Referenced Standard and Year (of
Standard)

Standard
ASTM D 3462

Year
2001

Equivalence of Product Standards
Certified By

Product Approval Method

Method 1 Option A

Date Submitted

06/09/2005

Date Validated

06/20/2005

Date Pending FBC Approval

06/25/2005

Date Approved

06/29/2005

Summary of Products

FL #	Model, Number or Name	Description
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slopes of 2:12 or greater. Not approved for use in HVHZ.

[Back](#)

[Next](#)

DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards

2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

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Product Approval Accepts:





**Underwriters
Laboratories Inc.**

Northbrook Division

333 Plingsten Road
Northbrook, IL 60062-2006 USA
www.ul.com
tel: 1 847 277 8800

June 17, 2005

Tamko Roofing Products
Ms. Kerri Eden
P.O. Box 1404
220 W. 4th Street
Joplin, MO 64802-1404

Our Reference: R2919

This is to confirm that "Elite Glass-Seal AR", "Heritage 30 AR", "Heritage 50 AR", "Glass-Seal AR" manufactured at Tuscaloosa, AL and "Elite Glass-Seal AR", "Heritage 30 AR", "Heritage XL AR", "Heritage 50 AR" manufactured at Frederick, MD and "Heritage 30 AR", "Heritage XL AR", and "Heritage 50 AR" manufactured in Dallas, TX are UL Listed asphalt glass mat shingles and have been evaluated in accordance with ANSI/UL 790, Class A (ASTM E108), ASTM D3462, ASTM D3161 or UL 997 modified to 110 mph when secured with four nails.

Let me know if you have any further questions.

Very truly yours,

Alpesh Patel (Ext. 42522)
Engineer Project
Fire Protection Division

Reviewed by,

Randall K. Laymon (Ext. 42687)
Engineer Sr Staff
Fire Protection Division



Application Instructions for • HERITAGE® VINTAGE™ AR – Phillipsburg, KS LAMINATED ASPHALT SHINGLES

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO BUILDING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.

IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF DECK

These shingles are for application to roof decks capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and rakes.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thickness and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be a 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

TAMKO does not recommend re-roofing over existing roof.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement.
3. Rotting of wood members.
4. Premature failure of roof.

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents. FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

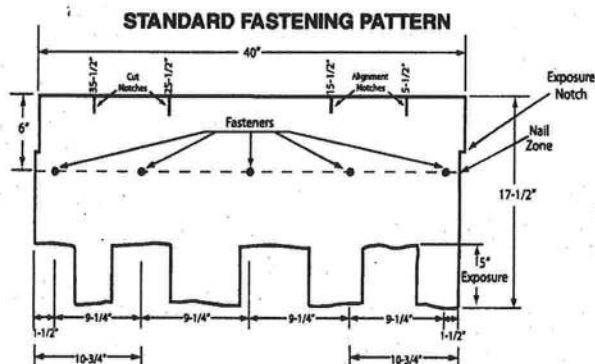
3. FASTENERS

WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, this will result in the termination of TAMKO's liabilities under the limited warranty. TAMKO will not be responsible for damage to shingles caused by winds in excess of the applicable miles per hour as stated in the limited warranty. See limited warranty for details.

FASTENING PATTERNS: Fasteners must be placed 6 in. from the top edge of the shingle located horizontally as follows:

1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1-1/2 in. back from each end, one 10-3/4 in. back from each end and one 20 in. from one end of the shingle for a total of 5 fasteners. (See standard fastening pattern illustrated below).



2) Mansard or Steep Slope Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) Use standard nailing instructions with four additional nails placed 6 in. from the butt edge of the shingle making certain nails are covered by the next (successive) course of shingles.

(Continued)

Visit Our Web Site at
www.tamko.com

Central District
Northeast District
Southeast District
Southwest District
Western District

220 West 4th St., Joplin, MO 64801
4500 Tamko Dr., Frederick, MD 21701
2300 35th St., Tuscaloosa, AL 35401
7910 S. Central Exp., Dallas, TX 75216
5300 East 43rd Ave., Denver, CO 80216

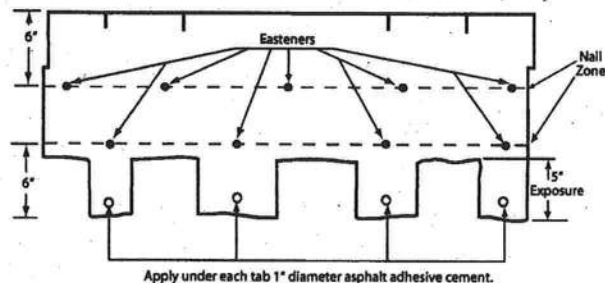
800-641-4691
800-368-2055
800-228-2656
800-443-1834
800-530-8868

05/06

HERITAGE® VINTAGE™ AR – Phillipsburg, KS
LAMINATED ASPHALT SHINGLES

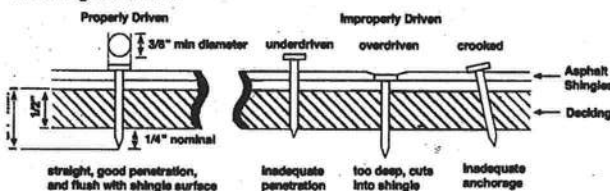
Each shingle tab must be sealed underneath with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a \$.25 piece and applied to shingles with a 5 in. exposure, use 9 fasteners per shingle.

MANSARD FASTENING PATTERN



Apply under each tab 1" diameter asphalt adhesive cement.

NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12 gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in. into the roof deck. Where the deck is less than 3/4 in. thick, the nails should be long enough to penetrate completely through plywood decking and extend at least 1/8 in. through the roof deck. Drive nail head flush with the shingle surface.



4. UNDERLAYMENT

UNDERLAYMENT: An underlayment consisting of asphalt saturated felt must be applied over the entire deck before the installation of TAMKO shingles. Failure to add underlayment can cause premature failure of the shingles and leaks which are not covered by TAMKO's limited warranty. Apply the felt when the deck is dry. On roof decks 4 in. per foot and greater apply the felt parallel to the eaves lapping each course of the felt over the lower course at least 2 in. Where ends join, lap the felt 4 in. If left exposed, the underlayment felt may be adversely affected by moisture and weathering. Laying of the underlayment and the shingle application must be done together.

Products which are acceptable for use as underlayment are:

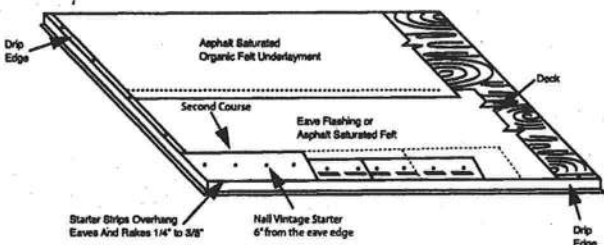
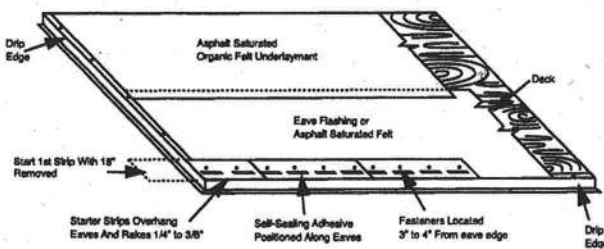
- TAMKO No. 15 Asphalt Saturated Organic Felt
- A non-perforated asphalt saturated organic felt which meets ASTM: D226, Type I or ASTM D4869, Type I
- Any TAMKO non-perforated asphalt saturated organic felt
- TAMKO TW Metal and Tile Underlayment, TW Underlayment and Moisture Guard Plus® (additional ventilation maybe required. Contact TAMKO's technical services department for more information)

In areas where ice builds up along the eaves or a back-up of water from frozen or clogged gutters is a potential problem, TAMKO's Moisture Guard Plus® waterproofing underlayment (or any specialty eaves flashing product) may be applied to eaves, rakes, ridges, valleys, around chimneys, skylights or dormers to help prevent water damage. Contact TAMKO's Technical Services Department for more information. TAMKO does not recommend the use of any substitute products as shingle underlayment.

5. APPLICATION INSTRUCTIONS

STARTER COURSE: Two starter course layers must be applied prior to application of Heritage Vintage AR Shingles.

The first starter course may consist of TAMKO Shingle Starter, three tab self-sealing type shingles or a 9 inch wide strip of mineral surface roll roofing. If three tab self-sealing shingles are used, remove the exposed tab portion and install with the factory applied adhesive adjacent to the eaves. If using three tab self-sealing shingles or shingle starter, remove 18 in. from first shingle to offset the end joints of the Vintage Starter. Attach the first starter course with approved fasteners along a line parallel to and 3 in. to 4 in. above the eave edge. The starter course should overhang both the eave and rake edge 1/4 in. to 3/8 in. Over the first starter course, install Heritage Vintage Starter AR and begin at the left rake edge with a full size shingle and continue across the roof nailing the Heritage Vintage Starter AR along a line parallel to and 6 in. from the eave edge.



Note: Do not allow Vintage Starter AR joints to be visible between shingle tabs. Cutting of the starter may be required.

HERITAGE VINTAGE STARTER AR
12 1/2" x 36" 20 PIECES PER BUNDLE
60 LINEAL FT. PER BUNDLE

(Continued)

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Central District 220 West 4th St., Joplin, MO 64801
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Southeast District 2300 35th St., Tuscaloosa, AL 35401
Southwest District 7910 S. Central Exp., Dallas, TX 75216
Western District 5300 East 43rd Ave., Denver, CO 80216

800-641-4691
800-368-2055
800-228-2656
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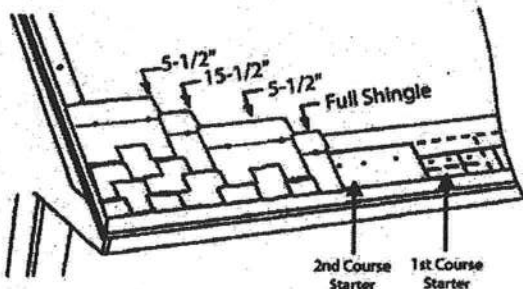
05/06



(CONTINUED from Pg. 2)

• HERITAGE® VINTAGE™ AR – Phillipsburg, KS LAMINATED ASPHALT SHINGLES

SHINGLE APPLICATION: Start the first course at the left rake edge with a full size shingle and overhang the rake edge 1/4 in. to 3/8 in.. To begin the second course, align the right side of the shingle with the 5-1/2 in. alignment notch on the first course shingle making sure to align the exposure notch. (See shingle illustration on next page) Cut the appropriate amount from the rake edge so the overhang is 1/4" to 3/8". For the third course, align the shingle with the 15-1/2 in. alignment notch at the top of the second course shingle, again being sure to align the exposure notch. Cut the appropriate amount from the rake edge. To begin the fourth course, align the shingle with the 5-1/2 in. alignment notch from the third course shingle while aligning the exposure notch. Cut the appropriate amount from the rake edge. Continue up the rake in as many rows as necessary using the same formula as outlined above. Cut pieces may be used to complete courses at the right side. As you work across the roof, install full size shingles taking care to align the exposure notches. Shingle joints should be no closer than 4 in.



6. LOW SLOPE APPLICATION

On pitches 2 in. per foot to 4 in. per foot cover the deck with two layers of underlayment. Begin by applying the underlayment in a 19 in. wide strip along the eaves and overhanging the drip edge by 1/4 to 3/4 in. Place a full 36 in. wide sheet over the 19 in. wide starter piece, completely overlapping it. All succeeding courses will be positioned to overlap the preceding course by 19 in. If winter temperatures average 25°F or less, thoroughly cement the laps of the entire underlayment to each other with plastic cement from eaves and rakes to a point of a least 24 in. inside the interior wall line of the building. As an alternative, TAMKO's Moisture Guard Plus self-adhering waterproofing underlayment may be used in lieu of the cemented felts.

7. VALLEY APPLICATION

TAMKO recommends an open valley construction with Heritage Vintage AR shingles.

To begin, center a sheet of TAMKO Moisture Guard Plus, TW Underlayment or TW Metal & Tile Underlayment in the valley.

After the underlayment has been secured, install the recommended corrosion resistant metal (26 gauge galvanized metal or an equivalent) in the valley. Secure the valley metal to the roof deck. Overlaps should be 12" and cemented.

Following valley metal application; a 9" to 12" wide strip of TAMKO Moisture Guard Plus, TW Underlayment or TW Metal & Tile Underlayment should be applied along the edges of the metal valley flashing (max. 6" onto metal valley flashing) and on top of the valley underlayment. The valley will be completed with shingle application.

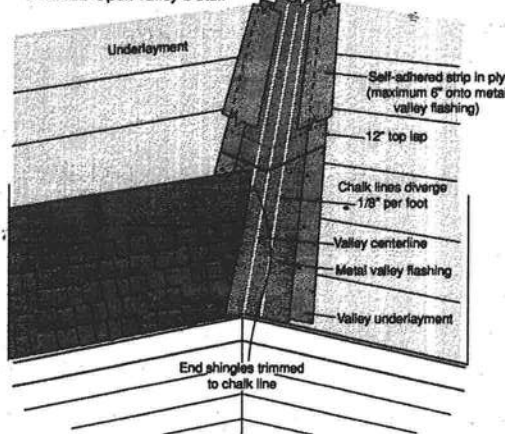
SHINGLE APPLICATION INSTRUCTIONS (OPEN VALLEY)

- Snap two chalk lines, one on each side of the valley centerline over the full length of the valley flashing. Locate the upper ends of the chalk lines 3" to either side of the valley centerline.
- The lower end should diverge from each other by 1/8" per foot. Thus, for an 8' long valley, the chalk lines should be 7" either side of the centerline at the eaves and for a 16' valley 8".

As shingles are applied toward the valley, trim the last shingle in each course to fit on the chalk line. Never use a shingle trimmed to less than 12" in length to finish a course running into a valley. If necessary, trim the adjacent shingle in the course to allow a longer portion to be used.

- Clip 1" from the upper corner of each shingle on a 45° angle to direct water into the valley and prevent it from penetrating between the courses.
- Form a tight seal by cementing the shingle to the valley lining with a 3" width of asphalt plastic cement (conforming to ASTM D 4586).

VINTAGE Open Valley Detail



• CAUTION:

Adhesive must be applied in smooth, thin, even layers.

Excessive use of adhesive will cause blistering to this product.

TAMKO assumes no responsibility for blistering.

(Continued)

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(CONTINUED from Pg. 3)

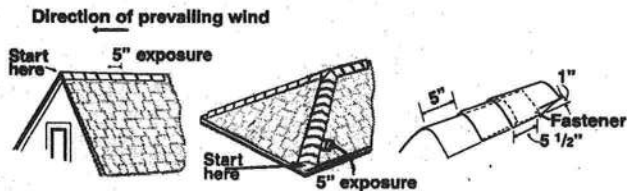
• **HERITAGE® VINTAGE™ AR** – Phillipsburg, KS
LAMINATED ASPHALT SHINGLES

8. HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener on each side, 5-1/2 in. back from the exposed end and 1 in. up from the edge. TAMKO recommends the use of TAMKO Heritage Vintage Hip & Ridge shingle products.

Fasteners should be 1/4 in. longer than the ones used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLE IN COLD WEATHER.



THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO BUILDING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

TAMKO®, Moisture Guard Plus®, Nail Fast® and Heritage® are registered trademarks and Vintage™ is a trademark of TAMKO Building Products, Inc.

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Florida Building Code Online



The Florida Department of Community Affairs Building Code Information System

FLORIDA BUILDING CODE

Overview User Registration Organization Registration Authentication Search Organization Activation

Select the organization type, status, or name to find an organization

Organization Type: Product Manufacturer



Approval Status: (All)

Organization Name: General American Door - Product Manufacturer

Cancel

Search

Recent List for Organizations

Displaying 1-1 of 1

Name	City	Contact	Phone	Type	Expire	Status
General American Door	Montgomery	James Campbell	6306593000	Product Manufacturer	01/01/2009	Approved
Org Code: PDM System ID: 3585 Site Link: www.gadco.com						

Displaying 1-1 of 1

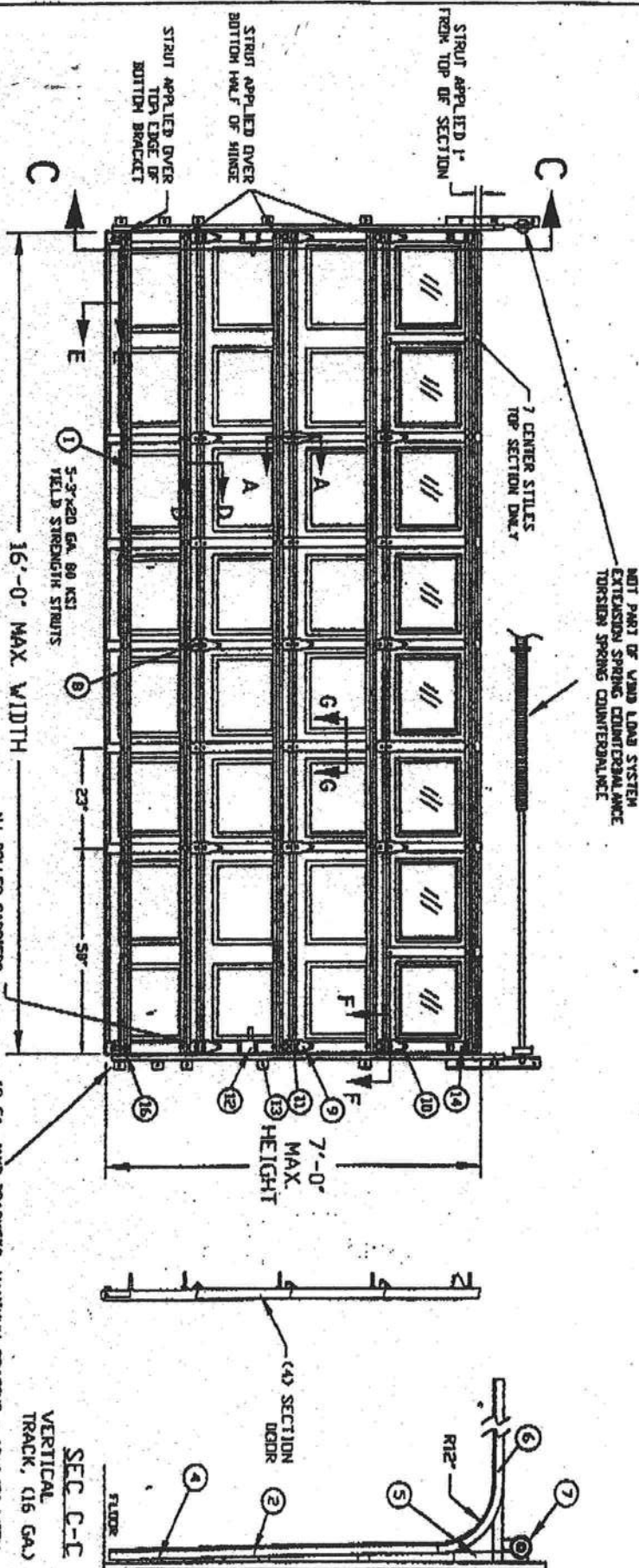
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http://www.floridabuilding.org/Common/c_org_reg_SRCH.asp

6/21/2004

NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF TEST SECTION AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
2. MAXIMUM SECTION HEIGHT: 21'
3. SECTION HEIGHTS OF 21'0" AND 19'50" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DEER HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION, AS TESTED WITH 1/4" RSG GLASS OR EQUIVALENT, OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MAXIMUM LENGTH OF ROLLER STIM IS 5/8" 67" AS TESTED
6. THE STIM PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SEVERAL
7. STIMUS SECURED AT ALL LOCATIONS WITH TIE SCREWS
8. QUANTITY OF TIE SCREWS CAN BE Q1, Q2 OR Q3 AS TESTED.
9. DROP IN TYPE OF INSULATION IS OPTIONAL.



REV	DATE	BY	DESCRIPTION
A	11-18-00	DP	SEE ELEV. 211

The seal on this drawing only represents the dimensions and configurations of the product(s) illustrated and described herein (installation(s) of the door as tested).



INSIDE ELEVATION

16'-0" MAX. WIDTH

ALL ROLLER CARRIERS AND ROLLERS ARE 14 GA.

12 GA. JAMB BRACKETS, MAXIMUM SPACING = 19-1/2" WITH LOWEST BRACKET APPROX. 3" FROM FLOOR, END BRACKET NEAR THE HORIZONTAL E OF THE BOTTOM SECTION, AND 3RD BRACKET NEAR THE TOP OF THE BOTTOM SECTION.

SEC C-E

VERTICAL TRACK, (16 GA.)

DESIGN LOAD +20.0 PSF & -20.0 PSF
TEST LOAD +30.0 PSF & -30.0 PSF



GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

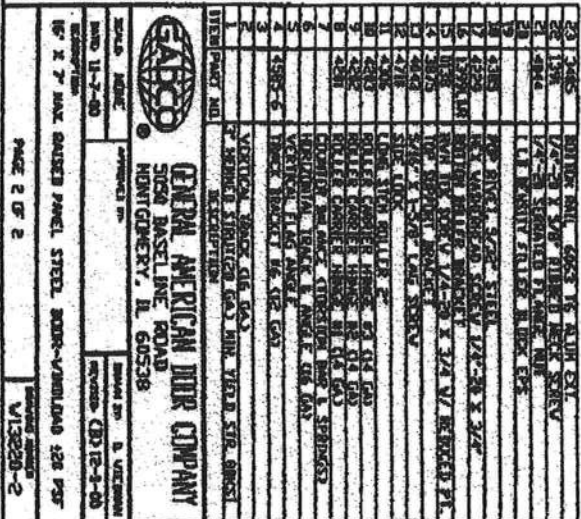
DESIGNED BY: [Signature]
APPROVED BY: [Signature]

DATE: 10-20-00
REVISED: (A) 11-18-00

16' x 7' MAX. RAISED PANEL STEEL DOOR - WINDLOAD 20 PSF

PAGE 1 OF 2
V13220-1

GABCO DOORS					
SERIES 7400, EXTERIOR STEEL = 0.07 MIN GASTESTED					
SERIES 7825, EXTERIOR STEEL = 0.09 MIN 					
SERIES 7524, EXTERIOR STEEL = 0.04 MIN 					
TESTED WITH WINDOWS					
MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STIMUS 80 KSI SIZE		VERTICAL TRACK
16'	7'	23"	3"	5	2 IN.



2X6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2X6 PRESSURE TREATED GRADE #2 OR BETTER SOUTHERN PINE WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUDED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

- 1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" POSTS.
- 2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCCI "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION SSTD 10," CURRENT EDITION.
- 3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.
- 4) WOOD FRAME BUILDINGS STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2X6 PRESSURE TREATED SOUTHERN PINE #2 GRADE OR BETTER WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.
- 5) REINFORCED CMU OR CONCRETE 2X6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUDED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C98 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2500 PSI. GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI. REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
- 6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.
- 7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS (CMU) SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM SPACING OF 3-3/4".
- 8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2X6 WALL STUDS.
- 9) WASHERS ARE REQUIRED ON ALL FASTENERS.
- 10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 18' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.
- 11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS, ADD AN ADDITIONAL 2X6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.

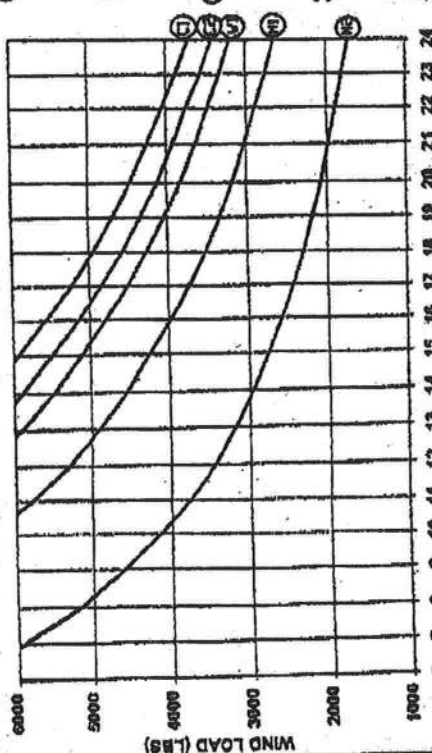
(1) CONCRETE BACKUP
HILTI Kwik Bolt II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT

(2) CONCRETE BACKUP
RAWL LOG/BOLT
SLEEVE ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT

(3) MASONRY/CMU BACKUP
HILTI Kwik Bolt II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT

(4) MASONRY/CMU BACKUP
HILTI Kwik Bolt II
EXPANSION ANCHOR
3/8" DIA.
1-5/8" EMBEDMENT

(5) WOOD STUD BACKUP
LAG SCREWS
5/16" DIA.
1-1/2" EMBEDMENT

WIND LOAD vs ANCHOR SPACING

MAXIMUM ANCHOR SPACING (INCHES) PER EACH JAMB

DESIGN (LBS) X GARAGE DOOR AREA (WIDTH-FT X HEIGHT-FT) = WIND LOAD (LBS)

LOAD $\frac{FT^2}{FT^2}$

EXAMPLE

30 LBS X 16 FT WIDE X 8 FT HIGH = 3840 LBS

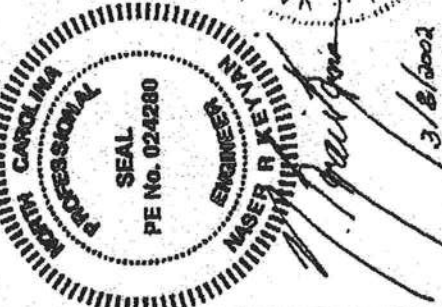
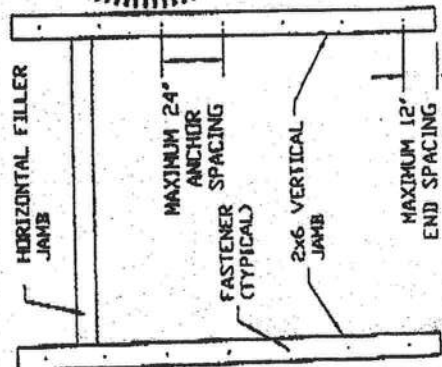
USE 22" SPACING

USE 16" SPACING

USE 10" SPACING

USE 19" SPACING

SEE NOTE 11 FOR ADDITIONAL
REQUIRED 2X6 WOOD JAMB ANCHORS



GENERAL AMERICAN DOOR COMPANY	
5800 BASELINE ROAD MONTGOMERY, IL 60538	
DATE: 8-30-99	REVISED BY: DV
DESCRIPTION: JAMB TO STRUCTURE ATTACHMENT FOR WIND LOADED GARAGE DOORS	
DRAWING NUMBER: A10560	

FLORIDA DEPARTMENT OF Community Affairs



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Product Approval
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FL # FL5108
Application Type New
Code Version 2004
Application Status Approved
Comments
Archived ☐

Product Manufacturer
Address/Phone/Email

MI Windows and Doors
650 W Market St
Gatz, PA 17030
(717) 365-3300 ext 2101
surich@miwd.com

Authorized Signature

Steven Ulrich
surich@miwd.com

Technical Representative
Address/Phone/Email

Quality Assurance Representative
Address/Phone/Email

Window.

A.L.I.

(Validator / Operations Administrator)

AAMA CERTIFICATION PROGRAM



AUTHORIZATION FOR PRODUCT CERTIFICATION

MI Windows & Doors, Inc.
P.O. Box 370
Gratz, PA 17030-0370

Attn: Bill Emley

The product described below is hereby approved for listing in the next issue of the AAMA Certified Products Directory. The approval is based on successful completion of tests, and the reporting to the Administrator of the results of tests, accompanied by related drawings, by an AAMA Accredited Laboratory.

1. The listing below will be added to the next published AAMA Certified Products Directory.

SPECIFICATION	RECORD OF PRODUCT TESTED				LABEL ORDER NO.
AAMA/NWMOA 101/L.S. 2-97 H-RSS-36x62					
COMPANY AND PLANT LOCATION	CODE NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED		By Request
MI Windows & Doors, Inc. (Oldemar, FL) MI Windows & Doors, Inc. (Smyrna, TN)	MTL-8 MTL-9	185/3185 SH (Fin) (AL)(O/O)(OG) (ASTM)	FRAME 3'0" x 5'2"	SASH 2'10" x 2'7"	

2. This Certification will expire May 14, 2008 and requires validation until then by continued listing in the current AAMA Certified Products Directory.
3. Product Tested and Reported by: Architectural Testing, Inc.

Report No.: 01-50360.02

Date of Report: June 14, 2004

NOTE: PLEASE REVIEW,
AND ADVISE ALI IMMEDIATELY
IF DATA, AS SHOWN, NEEDS
CORRECTION.

Date: August 1, 2005

cc: AAMA
JGS/df
ACP-04 (Rev. 5/03)

Validated for Certification:

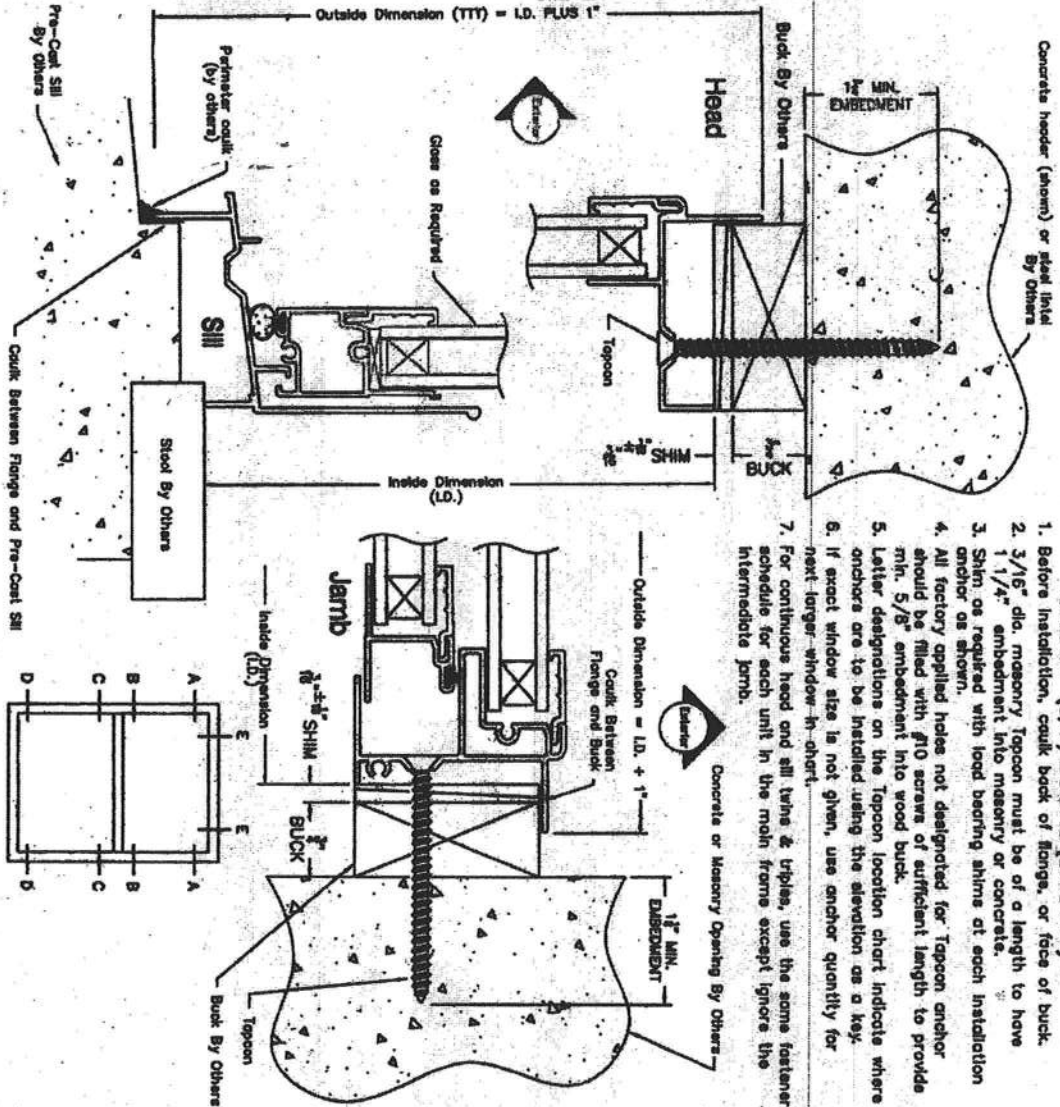
John B. Stith
Associated Laboratories, Inc.

Authorized for Certification:

Dean Lewis
American Architectural Manufacturers Association

ONE BY (3/4) BUCKS (SHOWN)

1. Before installation, caulk back of flange, or face of buck.
2. 3/16" dia. masonry Topcon must be of a length to have 1 1/4" embedment into masonry or concrete.
3. Shim, as required with load bearing shims at each installation anchor as shown.
4. All factory applied holes not designated for Tapcon anchor should be filled with #10 screws of sufficient length to provide min. 5/8" embedment into wood buck.
5. Letter designations on the Topcon location chart indicate where anchors are to be installed using the elevation as a key.
6. If exact window size is not given, use anchor quantity for next larger window in chart.
7. For continuous head and sill limbs & triples, use the same fastener schedule for each unit in the main frame except ignore the intermediate jamb.



TWO BY (1 1/2) BUCKS

TWO BY" Bucks are engineered and fastened to the masonry opening BY OTHERS.

Follow the same instructions and fastener requirements for "one by" bucks except use #10 screws of sufficient length for 1 1/4" minimum embedment into buck.

* TAPCON LOCATION CHART

GRID SIZE	WINDOW ID SIZE	UP TO DEGS	FASTENER LOCATIONS	FASTENER LOCATIONS	FASTENER LOCATIONS
			DEGS. 1 TO DEGS. 5	DEGS. 6 TO DEGS. 10	DEGS. 11 TO DEGS. 15
12	18 1/8 x 25	A D E	A D E	A D E	A D E
13	18 1/8 x 37 3/8	A D E	A D E	A D E	A D E
14	18 1/8 x 49 5/8	A D E	A D E	A D E	A D E
15	18 1/8 x 62	A D E	A D E	A D E	A D E
16	18 1/8 x 74	A D E	A D E	A D E	A D E
17	18 1/8 x 86	A D E	A D E	A D E	A D E
18	25 1/2 x 25	A D E	A D E	A D E	A D E
19	25 1/2 x 37 3/8	A D E	A D E	A D E	A D E
20	25 1/2 x 49 5/8	A D E	A D E	A D E	A D E
21	25 1/2 x 62	A D E	A D E	A D E	A D E
22	25 1/2 x 74	A D E	A D E	A D E	A D E
23	25 1/2 x 86	A D E	A D E	A D E	A D E
24	36 x 25	A D E	A D E	A D E	A D E
25	36 x 37 3/8	A D E	A D E	A D E	A D E
26	36 x 49 5/8	A D E	A D E	A D E	A D E
27	36 x 62	A D E	A D E	A D E	A D E
28	36 x 74	A D E	A D E	A D E	A D E
29	36 x 86	A D E	A D E	A D E	A D E
30	52 1/8 x 25	A D E	A D E	A D E	A D E
31	52 1/8 x 37 3/8	A D E	A D E	A D E	A D E
32	52 1/8 x 49 5/8	A D E	A D E	A D E	A D E
33	52 1/8 x 62	A D E	A D E	A D E	A D E
34	52 1/8 x 74	A D E	A D E	A D E	A D E
35	52 1/8 x 86	A D E	A D E	A D E	A D E
36	52 1/8 x 98	A D E	A D E	A D E	A D E
37	52 1/8 x 110	A D E	A D E	A D E	A D E
38	52 1/8 x 122	A D E	A D E	A D E	A D E
39	52 1/8 x 134	A D E	A D E	A D E	A D E
40	52 1/8 x 146	A D E	A D E	A D E	A D E
41	52 1/8 x 158	A D E	A D E	A D E	A D E
42	52 1/8 x 170	A D E	A D E	A D E	A D E
43	52 1/8 x 182	A D E	A D E	A D E	A D E
44	52 1/8 x 194	A D E	A D E	A D E	A D E
45	52 1/8 x 206	A D E	A D E	A D E	A D E
46	52 1/8 x 218	A D E	A D E	A D E	A D E
47	52 1/8 x 230	A D E	A D E	A D E	A D E
48	52 1/8 x 242	A D E	A D E	A D E	A D E
49	52 1/8 x 254	A D E	A D E	A D E	A D E
50	52 1/8 x 266	A D E	A D E	A D E	A D E
51	52 1/8 x 278	A D E	A D E	A D E	A D E
52	52 1/8 x 290	A D E	A D E	A D E	A D E
53	52 1/8 x 302	A D E	A D E	A D E	A D E
54	52 1/8 x 314	A D E	A D E	A D E	A D E
55	52 1/8 x 326	A D E	A D E	A D E	A D E
56	52 1/8 x 338	A D E	A D E	A D E	A D E
57	52 1/8 x 350	A D E	A D E	A D E	A D E
58	52 1/8 x 362	A D E	A D E	A D E	A D E
59	52 1/8 x 374	A D E	A D E	A D E	A D E
60	52 1/8 x 386	A D E	A D E	A D E	A D E
61	52 1/8 x 398	A D E	A D E	A D E	A D E
62	52 1/8 x 410	A D E	A D E	A D E	A D E
63	52 1/8 x 422	A D E	A D E	A D E	A D E
64	52 1/8 x 434	A D E	A D E	A D E	A D E
65	52 1/8 x 446	A D E	A D E	A D E	A D E
66	52 1/8 x 458	A D E	A D E	A D E	A D E
67	52 1/8 x 470	A D E	A D E	A D E	A D E
68	52 1/8 x 482	A D E	A D E	A D E	A D E
69	52 1/8 x 494	A D E	A D E	A D E	A D E
70	52 1/8 x 506	A D E	A D E	A D E	A D E
71	52 1/8 x 518	A D E	A D E	A D E	A D E
72	52 1/8 x 530	A D E	A D E	A D E	A D E
73	52 1/8 x 542	A D E	A D E	A D E	A D E
74	52 1/8 x 554	A D E	A D E	A D E	A D E
75	52 1/8 x 566	A D E	A D E	A D E	A D E
76	52 1/8 x 578	A D E	A D E	A D E	A D E
77	52 1/8 x 590	A D E	A D E	A D E	A D E
78	52 1/8 x 602	A D E	A D E	A D E	A D E
79	52 1/8 x 614	A D E	A D E	A D E	A D E
80	52 1/8 x 626	A D E	A D E	A D E	A D E
81	52 1/8 x 638	A D E	A D E	A D E	A D E
82	52 1/8 x 650	A D E	A D E	A D E	A D E
83	52 1/8 x 662	A D E	A D E	A D E	A D E
84	52 1/8 x 674	A D E	A D E	A D E	A D E
85	52 1/8 x 686	A D E	A D E	A D E	A D E
86	52 1/8 x 698	A D E	A D E	A D E	A D E
87	52 1/8 x 710	A D E	A D E	A D E	A D E
88	52 1/8 x 722	A D E	A D E	A D E	A D E
89	52 1/8 x 734	A D E	A D E	A D E	A D E
90	52 1/8 x 746	A D E	A D E	A D E	A D E
91	52 1/8 x 758	A D E	A D E	A D E	A D E
92	52 1/8 x 770	A D E	A D E	A D E	A D E
93	52 1/8 x 782	A D E	A D E	A D E	A D E
94	52 1/8 x 794	A D E	A D E	A D E	A D E
95	52 1/8 x 806	A D E	A D E	A D E	A D E
96	52 1/8 x 818	A D E	A D E	A D E	A D E
97	52 1/8 x 830	A D E	A D E	A D E	A D E
98	52 1/8 x 842	A D E	A D E	A D E	A D E
99	52 1/8 x 854	A D E	A D E	A D E	A D E
100	52 1/8 x 866	A D E	A D E	A D E	A D E

A	REWORKED SILL INSTALLATION AND/OR BUCKS	7/24/04	BY
REV	REVISION	DATE	BY



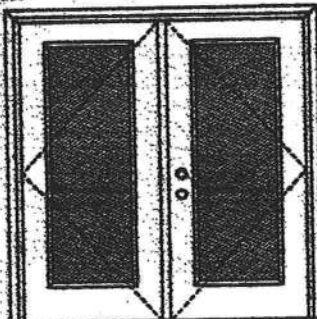
MI HOME PRODUCTS
GRATZ, PA

185/3185 SINGLE HUNG FLANGE FRAME
INSTALLATION DETAILS & FASTENER SCHEDULE

DATE: 08/15/04
SCALE: N.T.S.
SHEET: 1 OF 1

XX**Glazed Outswing Unit**

DDP WL JH4162-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:****Note:**

Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Double Door

Minimum unit size = 5'0" x 6'8"

Design Pressure

+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistance requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:**1/4 GLASS:**

100 Series



133, 135 Series



136 Series



600 Series



822 Series

1/2 GLASS:

105 Series*



106, 100 Series*



129 Series*



200 Series*



12 RL, 23 RL, 24 RL Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson
Entry Systems

March 23, 2002

Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection
Premium Quality Doors

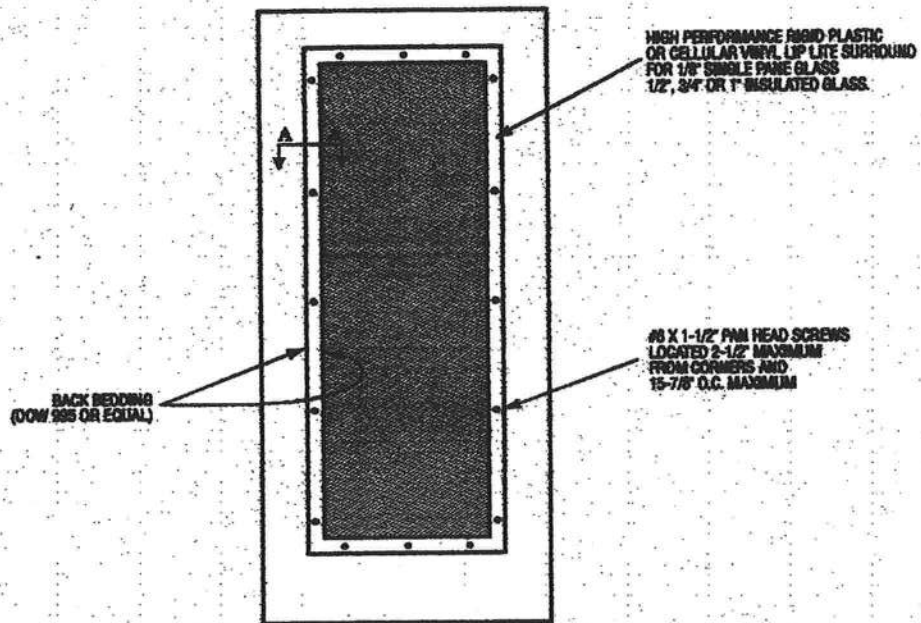


Exclusively from

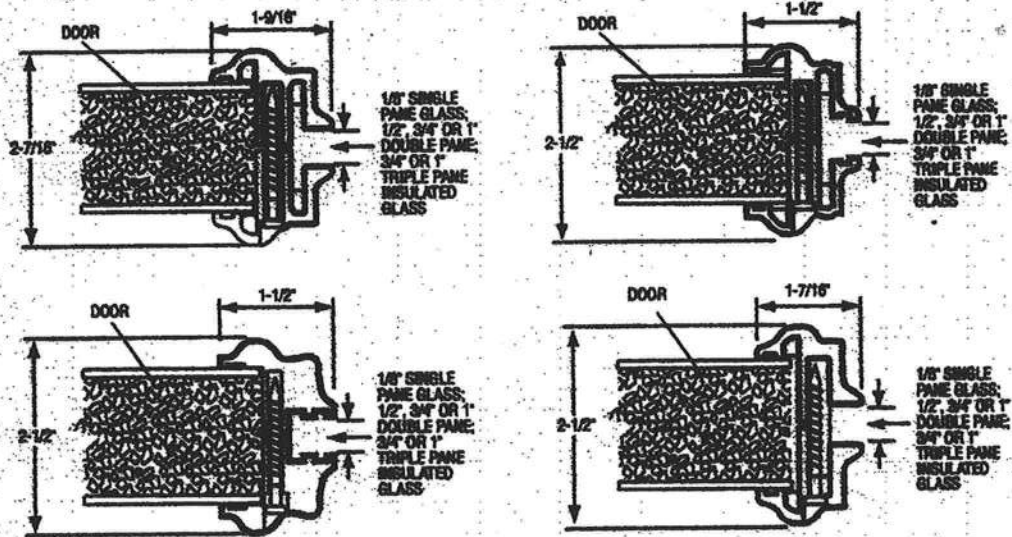
Masonite

Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND



March 29, 2002

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Exclusively from

Masonite
Masonite International Corporation

XX

Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS**APPROVED DOOR STYLES:****3/4 GLASS:**

404 Series



410 Series



450 Series

FULL GLASS:

100 Series

114, 120, 122
Series

152 Series



140 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer
Kurt Balthazor, P.E. - License Number 56533

Johnson
EntrySystems

March 29, 2002
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PRENDOR Collection
Premium Quality Doors



Exclusively from

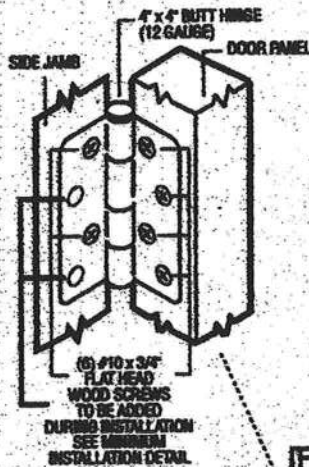
Masonite
Masonite International Corporation

XX
Unit

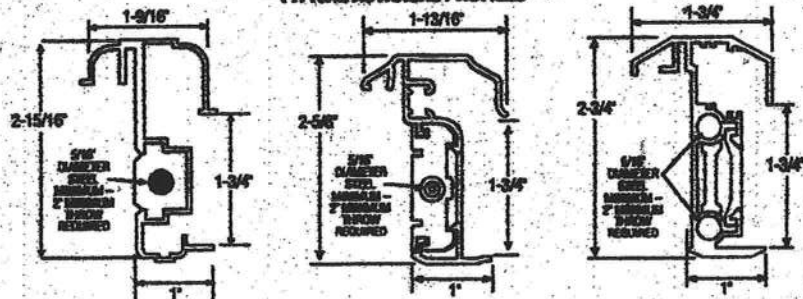
17AD-WL-MAS012-02

OUTSWING UNITS WITH DOUBLE DOOR

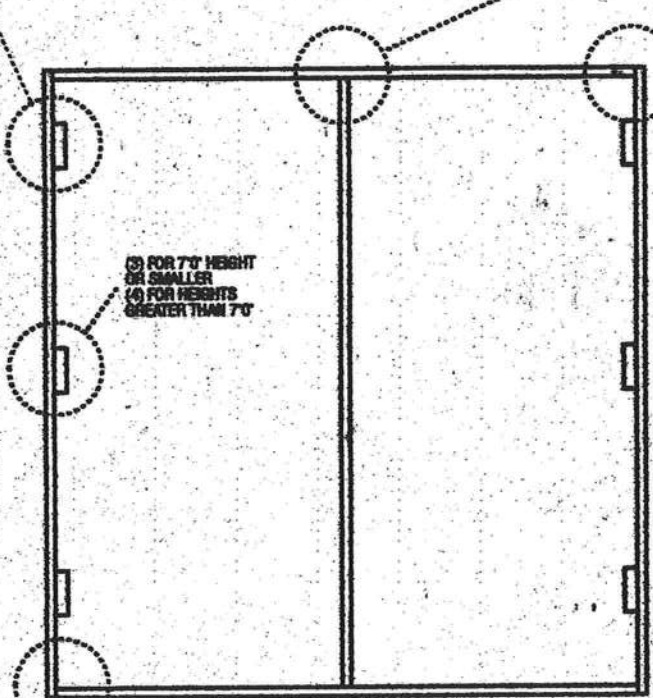
TYPICAL HINGE ATTACHMENT



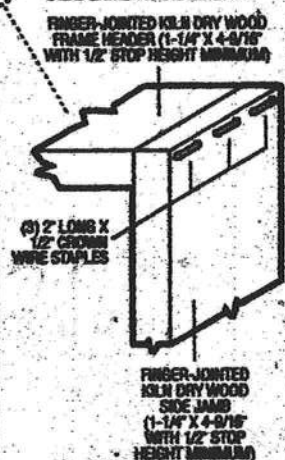
TYPICAL ASTRAL PROFILES



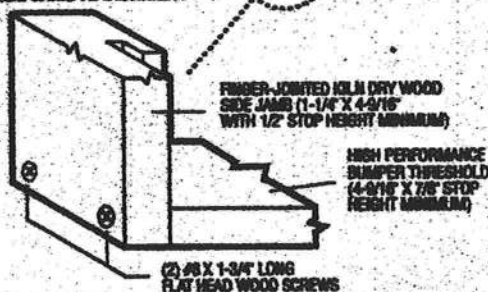
ALUMINUM EXTRUDED ASTRAL (0.08" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDRICAL DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS - LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.



TYPICAL HEADER & SIDE JAMB ATTACHMENT



TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



March 25, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMIER
Premium Quality Doors



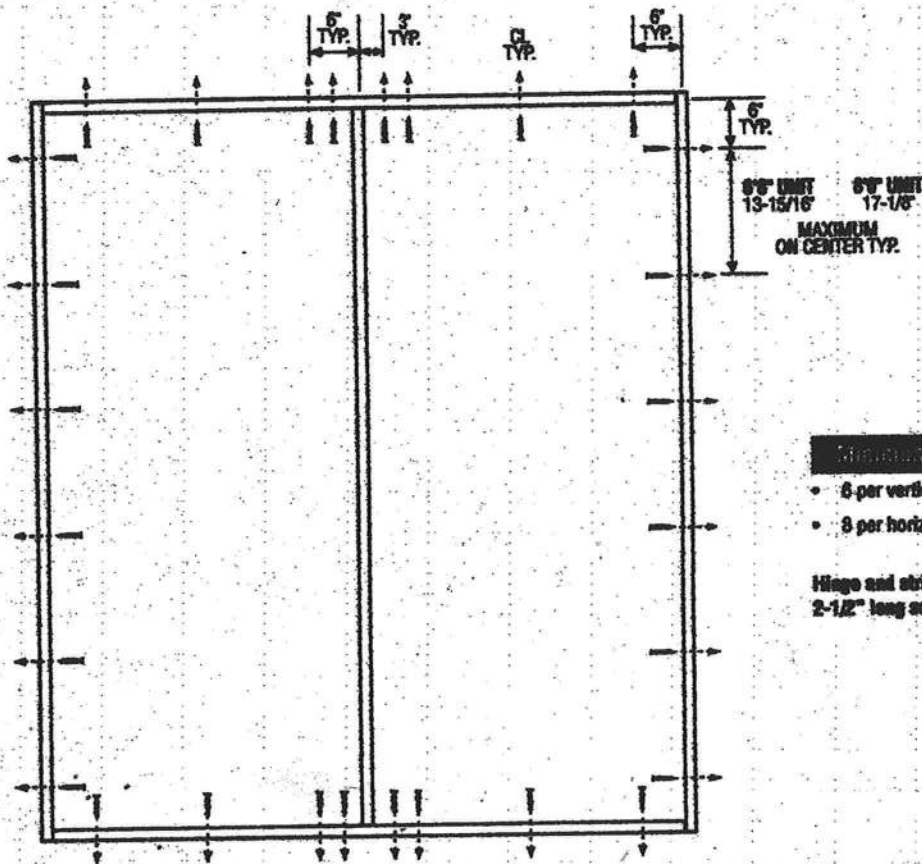
Exclusively from

Masonite
Masonite International Corporation

XX
Unit

IND-WL-MAD002 02

DOUBLE DOOR



Minimum Fastener Count

- 8 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/APA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade County approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



Exclusively from

Masonite
Masonite International Corporation

Residential System Sizing Calculation

Summary

Rosewood Model

Project Title:
Roger Whiddon - Lot 11

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

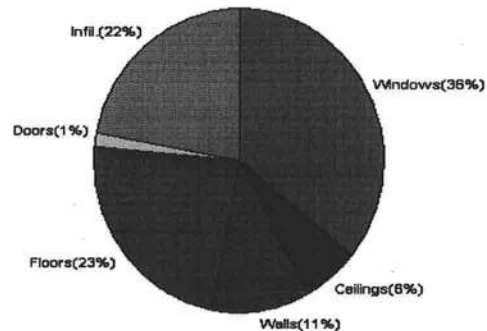
2/15/2007

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	33087 Btuh	Total cooling load calculation	40321 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	117.9 39000	Sensible (SHR = 0.75)	87.4 29250
Heat Pump + Auxiliary(0.0kW)	117.9 39000	Latent	142.4 9750
		Total (Electric Heat Pump)	96.7 39000

WINTER CALCULATIONS

Winter Heating Load (for 1655 sqft)

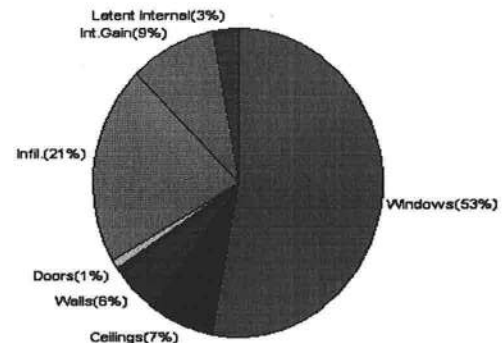
Load component		Load	
Window total	254 sqft	11921	Btuh
Wall total	1132 sqft	3719	Btuh
Door total	38 sqft	492	Btuh
Ceiling total	1725 sqft	2033	Btuh
Floor total	178 sqft	7771	Btuh
Infiltration	177 cfm	7151	Btuh
Duct loss		0	Btuh
Subtotal		33087	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		33087	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1655 sqft)

Load component		Load	
Window total	254 sqft	21335	Btuh
Wall total	1132 sqft	2257	Btuh
Door total	38 sqft	372	Btuh
Ceiling total	1725 sqft	2857	Btuh
Floor total		0	Btuh
Infiltration	154 cfm	2875	Btuh
Internal gain		3780	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		33476	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		5645	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		6845	Btuh
TOTAL HEAT GAIN		40321	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE:

[Signature]
2-15-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Rosewood Model

Project Title:
Roger Whiddon - Lot 11

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

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

2/15/2007

Component Loads for Whole House						
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	1, Clear, Metal, 1.27	W	60.0		47.0	2819 Btuh
2	1, Clear, Metal, 1.27	W	30.0		47.0	1410 Btuh
3	1, Clear, Metal, 1.27	W	30.0		47.0	1410 Btuh
4	1, Clear, Metal, 1.27	SW	20.0		47.0	940 Btuh
5	1, Clear, Metal, 1.27	S	15.0		47.0	705 Btuh
6	1, Clear, Metal, 1.27	N	30.0		47.0	1410 Btuh
7	1, Clear, Metal, 1.27	N	2.7		47.0	127 Btuh
8	1, Clear, Metal, 1.27	E	30.0		47.0	1410 Btuh
9	1, Clear, Metal, 1.27	E	16.0		47.0	752 Btuh
10	1, Clear, Metal, 1.27	S	20.0		47.0	940 Btuh
Window Total			254(sqft)			11921 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	950		3.3	3121 Btuh
2	Frame - Wood - Adj(0.09)	13.0	182		3.3	598 Btuh
Wall Total			1132			3719 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		18		12.9	233 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
Door Total			38			492Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1725		1.2	2033 Btuh
Ceiling Total			1725			2033Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	178.0 ft(p)		43.7	7771 Btuh
Floor Total			178			7771 Btuh
	Zone Envelope Subtotal:					25936 Btuh
Infiltration	Type	ACH X	Zone Volume		CFM=	Load
	Natural	0.80	13240		176.5	7151 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					33087 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Rosewood Model

Project Title:
Roger Whiddon - Lot 11

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

2/15/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	33087 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	33087 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

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

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Rosewood Model

Project Title:
Roger Whiddon - Lot 11

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

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

2/15/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	1, Clear, Metal, 1.27	W	60.0		47.0	2819 Btuh
2	1, Clear, Metal, 1.27	W	30.0		47.0	1410 Btuh
3	1, Clear, Metal, 1.27	W	30.0		47.0	1410 Btuh
4	1, Clear, Metal, 1.27	SW	20.0		47.0	940 Btuh
5	1, Clear, Metal, 1.27	S	15.0		47.0	705 Btuh
6	1, Clear, Metal, 1.27	N	30.0		47.0	1410 Btuh
7	1, Clear, Metal, 1.27	N	2.7		47.0	127 Btuh
8	1, Clear, Metal, 1.27	E	30.0		47.0	1410 Btuh
9	1, Clear, Metal, 1.27	E	16.0		47.0	752 Btuh
10	1, Clear, Metal, 1.27	S	20.0		47.0	940 Btuh
Window Total			254(sqft)			11921 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	950		3.3	3121 Btuh
2	Frame - Wood - Adj(0.09)	13.0	182		3.3	598 Btuh
Wall Total			1132			3719 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		18		12.9	233 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
Door Total			38			492Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1725		1.2	2033 Btuh
Ceiling Total			1725			2033Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	178.0 ft(p)		43.7	7771 Btuh
Floor Total			178			7771 Btuh
Zone Envelope Subtotal:						25936 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		
	Natural	0.80	13240	176.5		7151 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					33087 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Rosewood Model

Project Title:
Roger Whiddon - Lot 11

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

2/15/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	33087 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	33087 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

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

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Rosewood Model

Project Title:
Roger Whiddon - Lot 11

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

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

2/15/2007

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	60.0	0.0	60.0	37	94	5643	Btuh
2	1, Clear, 1.27, None,N,N	W	13.5f	8ft.	30.0	30.0	0.0	37	94	1124	Btuh
3	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	30.0	0.0	30.0	37	94	2821	Btuh
4	1, Clear, 1.27, None,N,N	SW	10.6	8ft.	20.0	20.0	0.0	37	75	749	Btuh
5	1, Clear, 1.27, None,N,N	S	15.5f	8ft.	15.0	15.0	0.0	37	43	562	Btuh
6	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	30.0	0.0	30.0	37	37	1124	Btuh
7	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	2.7	0.0	2.7	37	37	101	Btuh
8	1, Clear, 1.27, None,N,N	E	7.5ft	8ft.	30.0	19.3	10.7	37	94	1726	Btuh
9	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	16.0	0.0	16.0	37	94	1505	Btuh
10	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	20.0	20.0	0.0	37	43	749	Btuh
	Excursion									5232	Btuh
	Window Total				254 (sqft)					21335 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext		13.0/0.09		950.3			2.1		1982 Btuh	
2	Frame - Wood - Adj		13.0/0.09		182.0			1.5		275 Btuh	
	Wall Total				1132 (sqft)					2257 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Adjacent				18.0			9.8		176 Btuh	
2	Insulated - Exterior				20.0			9.8		196 Btuh	
	Door Total				38 (sqft)					372 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle		30.0		1725.0			1.7		2857 Btuh	
	Ceiling Total				1725 (sqft)					2857 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
1	Slab On Grade		0.0		178 (ft(p))			0.0		0 Btuh	
	Floor Total				178.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									26821 Btuh	
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load	
	SensibleNatural		0.70		13240			154.5		2875 Btuh	
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			6		X 230 +			2400		3780 Btuh	
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									33476 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Rosewood Model

Project Title:
Roger Whiddon - Lot 11

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

2/15/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	33476 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	33476 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	33476 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	5645 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	6845 Btuh
	TOTAL GAIN	40321 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

Rosewood Model

Project Title:
Roger Whiddon - Lot 11

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

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

2/15/2007

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	60.0	0.0	60.0	37	94	5643 Btuh
2	1, Clear, 1.27, None,N,N	W	13.5f	8ft.	30.0	30.0	0.0	37	94	1124 Btuh
3	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	30.0	0.0	30.0	37	94	2821 Btuh
4	1, Clear, 1.27, None,N,N	SW	10.6	8ft.	20.0	20.0	0.0	37	75	749 Btuh
5	1, Clear, 1.27, None,N,N	S	15.5f	8ft.	15.0	15.0	0.0	37	43	562 Btuh
6	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	30.0	0.0	30.0	37	37	1124 Btuh
7	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	2.7	0.0	2.7	37	37	101 Btuh
8	1, Clear, 1.27, None,N,N	E	7.5ft	8ft.	30.0	19.3	10.7	37	94	1726 Btuh
9	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	16.0	0.0	16.0	37	94	1505 Btuh
10	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	20.0	20.0	0.0	37	43	749 Btuh
	Excursion									5232 Btuh
	Window Total				254 (sqft)					21335 Btuh
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load
1	Frame - Wood - Ext			13.0/0.09		950.3		2.1		1982 Btuh
2	Frame - Wood - Adj			13.0/0.09		182.0		1.5		275 Btuh
	Wall Total					1132 (sqft)				2257 Btuh
Doors	Type				Area (sqft)			HTM		Load
1	Insulated - Adjacent					18.0		9.8		176 Btuh
2	Insulated - Exterior					20.0		9.8		196 Btuh
	Door Total					38 (sqft)				372 Btuh
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load
1	Vented Attic/DarkShingle			30.0		1725.0		1.7		2857 Btuh
	Ceiling Total					1725 (sqft)				2857 Btuh
Floors	Type		R-Value		Size			HTM		Load
1	Slab On Grade			0.0		178 (ft(p))		0.0		0 Btuh
	Floor Total					178.0 (sqft)				0 Btuh
	Zone Envelope Subtotal:									26821 Btuh
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load
	SensibleNatural			0.70		13240		154.5		2875 Btuh
Internal gain			Occupants		Btuh/occupant			Appliance		Load
				6	X	230 +		2400		3780 Btuh
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic) DGM = 0.00									0.0 Btuh
	Sensible Zone Load									33476 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Rosewood Model

Project Title:
Roger Whiddon - Lot 11

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

2/15/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	33476 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	33476 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	33476 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	5645 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	6845 Btuh
	TOTAL GAIN	40321 Btuh

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

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

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

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

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

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

(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Rosewood Model

Project Title:
Roger Whiddon - Lot 11

Code Only
Professional Version
Climate: North

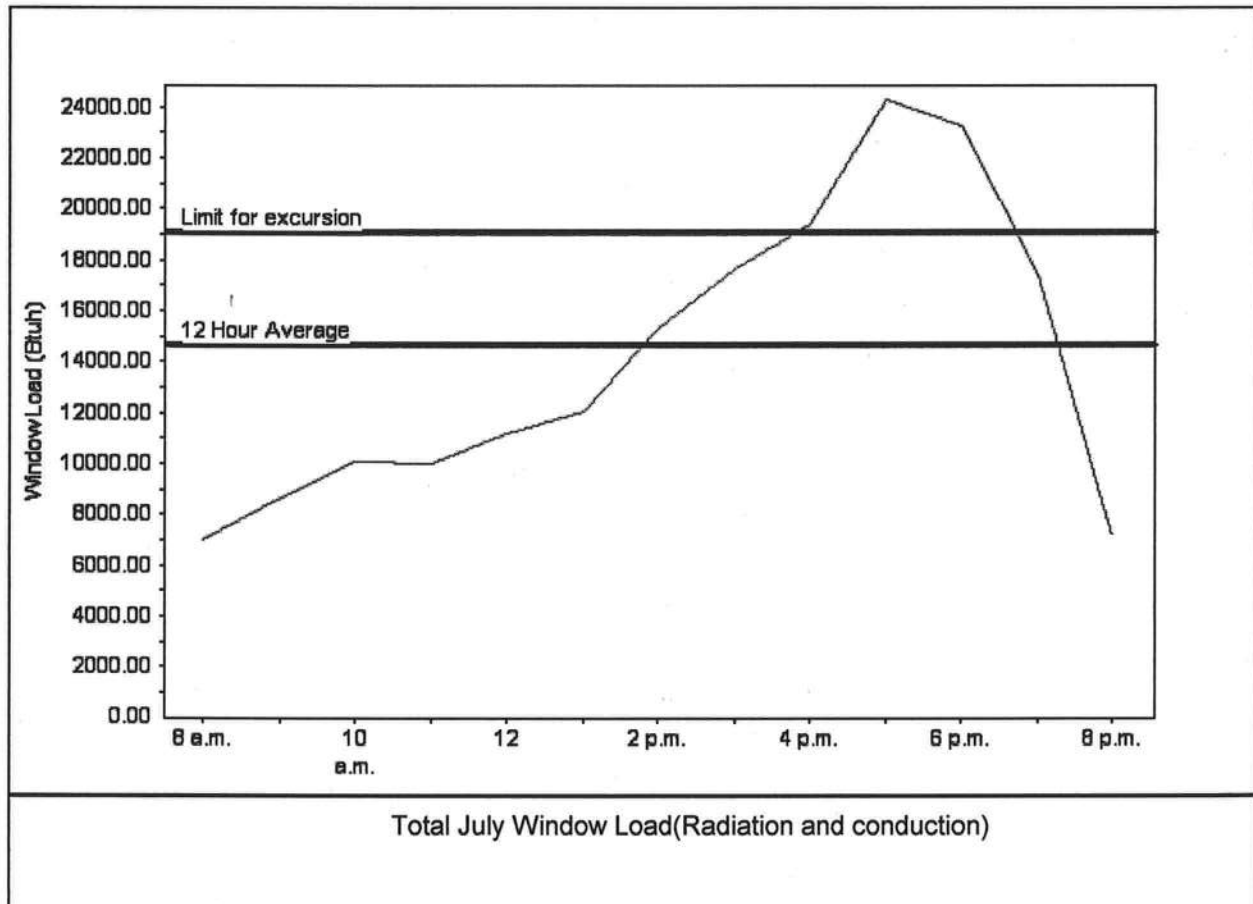
Lake City, FL 32025-

2/15/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	14684 Btu
Summer setpoint	75 F	Peak window load for July	24321 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	19090 Btu
Latitude	29 North	Window excursion (July)	5232 Btu/h

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.1



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: 1T85215-Z0413111139

Lot 11
Permit # 25656

Truss Fabricator: W.B. Howland
Job Identification: REPAIR/4336
Truss Count: 3
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.25, 7.26.
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 - 36.0 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

Seal Date: 06/13/2007

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

Details: -

#	Ref	Description	Drawing#	Date
1	85934--A12		07164002	06/13/07
2	85934--A11		07164001	06/13/07
3	85934--A14		07164006	06/13/07

Repair Charge: \$112.50 per Customer Agreement.
Amount to be invoiced separately.



ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID: 1T85215-Z0413111139

Truss Fabricator: W.B. Howland
Job Identification: REPAIR/4336 (REPAIR/4336-)
Truss Count: 2
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.25, 7.26.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 36.0 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

Seal Date: 06/13/2007

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	85934--A11		07164001	06/13/07
2	85934--A14		07164006	06/13/07

Repair Charge: \$112.50 per Customer Agreement.
Amount to be invoiced separately.



(REPAIR/4336 - A11)

REPAIR TO TRIM 1/4" (MAX.) FROM BOTTOM CHORD ABOVE BEARING.

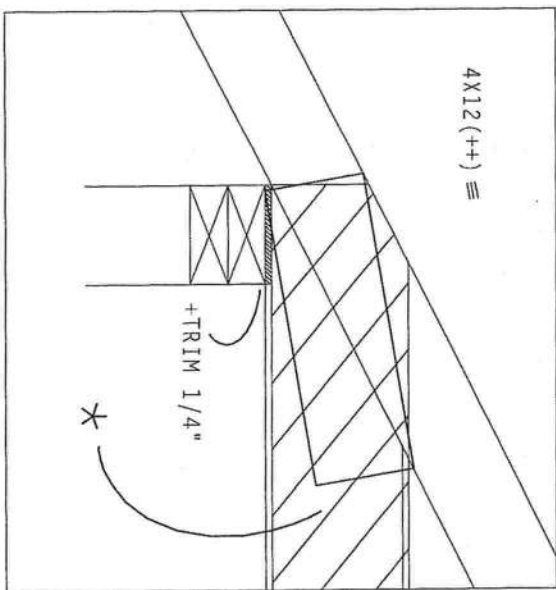
FIELD REPAIR MUST COMPLY WITH ALPINE DESIGNS AND SPECIFICATIONS.

REFER TO DRAWING HCUSR215 07085053, FOR LUMBER, PLATES AND OTHER DATA NOT GIVEN HERE.

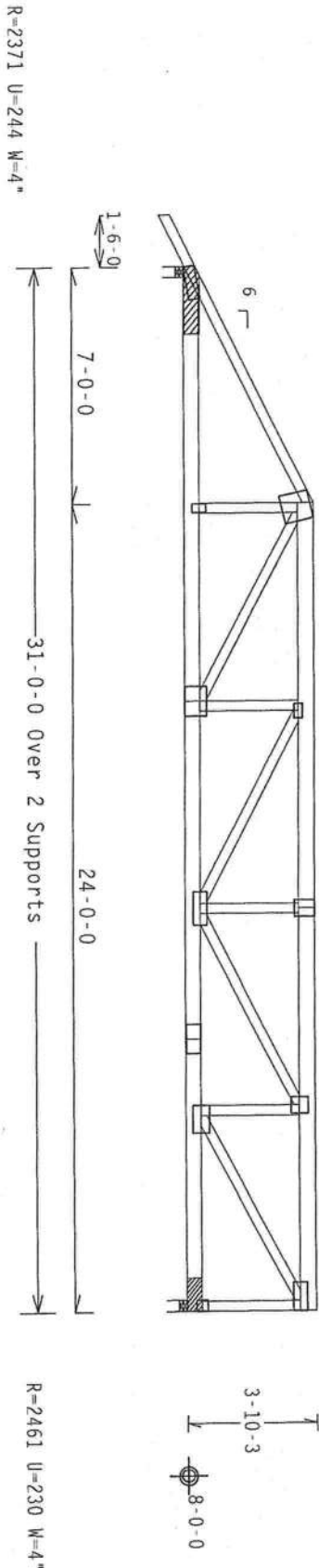
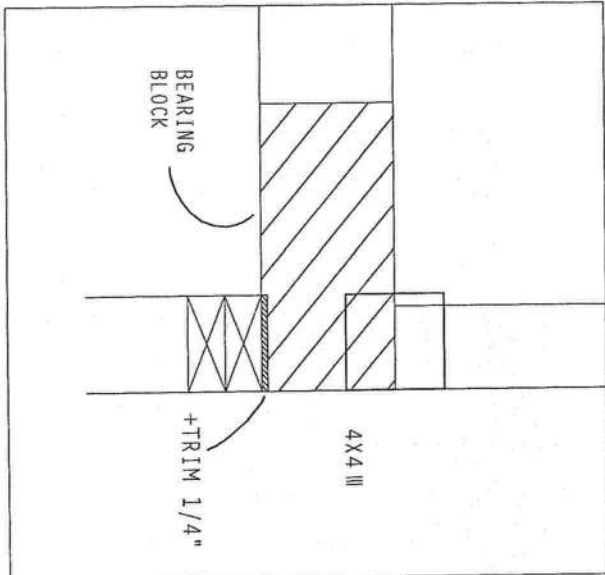
* ONE (1) 2x6x(2-0-0) SP #2 OR BETTER SCABS. ATTACH ONE

SCAB TO ONE FACE OF THE TRUSS WITH A DOUBLE ROW OF 0.131"x3.0" GUN NAILS SPACED 4.0" O.C. STAGGERED 2.0" WITHOUT SPLITTING LUMBER. REFER TO CMAILSP1103 FOR OTHER NAIL SPACING INFORMATION.

++REMAINING PORTION OF ALPINE PLATE TO REMAIN INTACT AND UNMAGED FOR REPAIR TO BE VALID.



+ USE A SHARP METAL CUTTING SAW BLADE TO CAREFULLY REMOVE MATERIAL FROM THE TRUSS AS SHOWN. REMAINING PORTIONS OF TRUSS AND ALPINE PLATES MUST BE FREE FROM DAMAGE.



PLT TYP. 20 Gauge HS Wave

Design Crit: TPI-2002(STD)/FBC

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

7.26.0608

QTY: 1

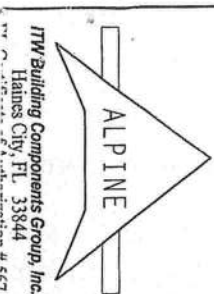
FL/-/5/-/-/R/-

Scale = .1875"/Ft.

TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE. IF ANY, AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.



TC LL	16.0 PSF	REF R215-- 85934
TC DL	10.0 PSF	DATE 06/13/07
BC DL	10.0 PSF	DRW HCUSR215 07164001
BC LL	0.0 PSF	HC-ENG DAB/WHK
TOT. LD.	36.0 PSF	SEGN- 125183 REV
DUR. FAC.	1.25	FROM CAW
SPACING	24.0"	JREF- 1T85215_204

(REPAIR/4336 - A12)

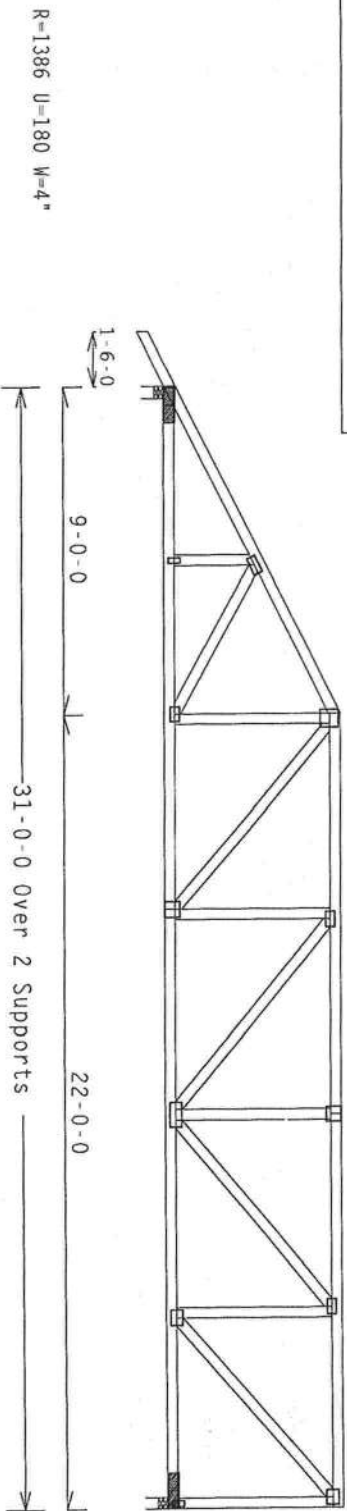
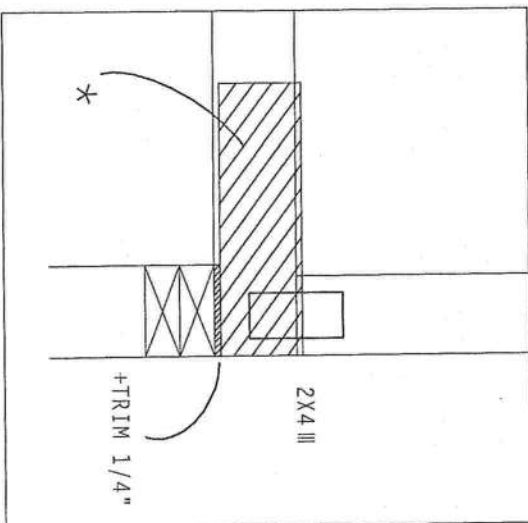
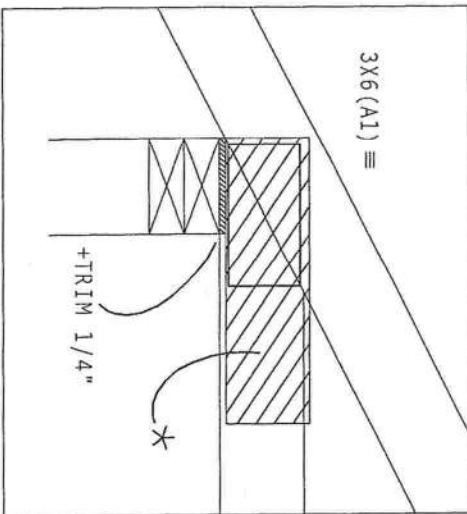
TYPICAL REPAIR FOR TRUSSES A12 & A13
REPAIR TO TRIM 1/4" (MAX.) FROM BOTTOM CHORD ABOVE BEARING.

FIELD REPAIR MUST COMPLY WITH ALPINE DESIGNS AND
SPECIFICATIONS.

REFER TO DRAWING HCUSR215 07085054 (A12).
REFER TO DRAWING HCUSR215 07085055 (A13).
FOR LUMBER, PLATES AND OTHER DATA NOT GIVEN HERE.

+ USE A SHARP METAL CUTTING SAW BLADE TO CAREFULLY REMOVE
MATERIAL FROM THE TRUSS AS SHOWN. REMAINING PORTIONS OF
TRUSS AND ALPINE PLATES MUST BE FREE FROM DAMAGE.

* ONE (1) 2x4x(1-0-0) SP #2 OR BETTER SCABS. ATTACH ONE
SCAB TO ONE FACE OF THE TRUSS WITH A DOUBLE ROW OF
0.131"x3.0" GUN NAILS SPACED 4.0" O.C. STAGGERED 2.0".
WITHOUT SPLITTING LUMBER. REFER TO CMMSP1103 FOR
OTHER NAIL SPACING INFORMATION.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.25.0502

QTY:1

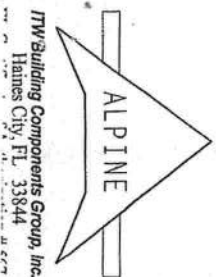
FL/-/5/-/-/R/-

Scale = .1875"/Ft.

TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE
AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP
THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE
CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE,
IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE
CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS
REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY
INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE. IF ANY,
AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.



TC LL	20.0 PSF	REF R215-- 85934
TC DL	10.0 PSF	DATE 06/13/07
BC DL	10.0 PSF	DRW HCUSR215 07164002
BC LL	0.0 PSF	HC-ENG DAB/WHK
TOT. LD.	40.0 PSF	SEON- 38054
DUR. FAC.	1.25	FROM CAW
SPACING	24.0"	JREF - 1T85215_204

(REPAIR/4336 - A14)

TYPICAL REPAIR FOR TRUSSES LISTED
REPAIR TO TRIM 1/4" (MAX.) FROM BOTTOM CHORD ABOVE BEARING.

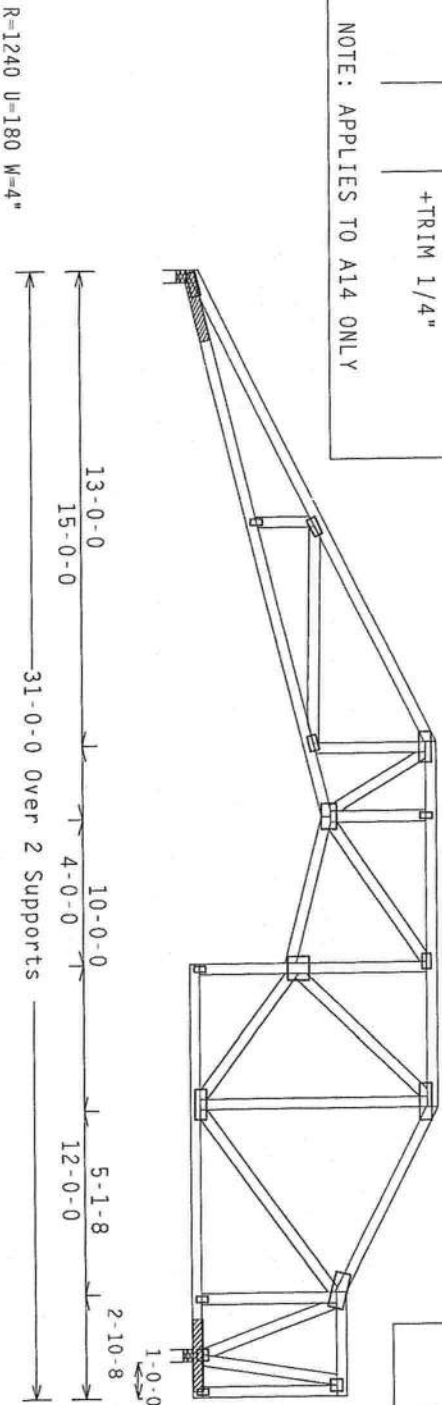
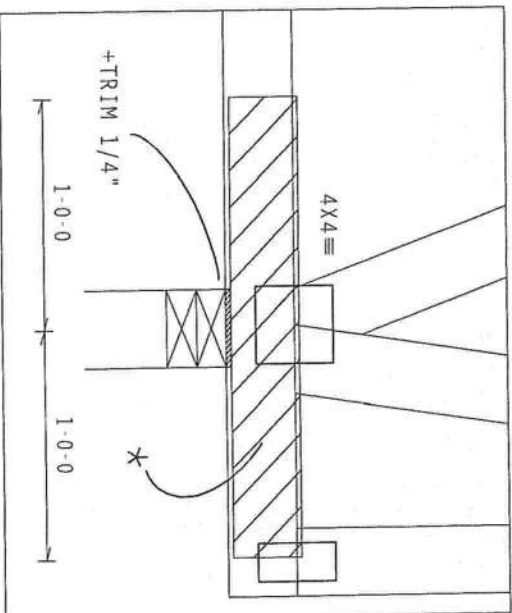
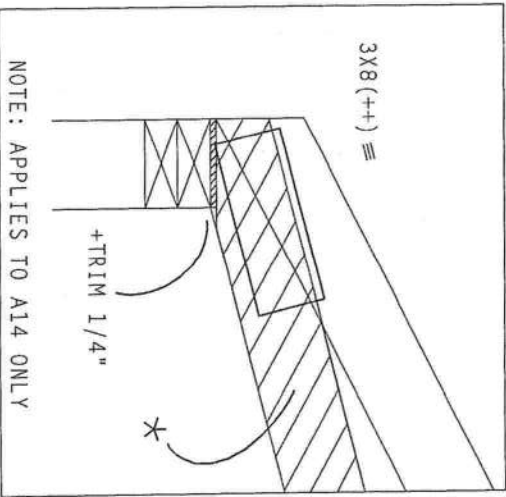
FIELD REPAIR MUST COMPLY WITH ALPINE DESIGNS AND
SPECIFICATIONS.

REFER TO DRAWING HCUSR215 07085007 (A14).
REFER TO DRAWING HCUSR215 07085009 (A15).
REFER TO DRAWING HCUSR215 07085010 (A16).
REFER TO DRAWING HCUSR215 07085011 (A17).
FOR LUMBER, PLATES AND OTHER DATA NOT GIVEN HERE.

* ONE (1) 2x4x(2-0-0) SP #2 OR BETTER SCABS. ATTACH ONE
SCAB TO ONE FACE OF THE TRUSS WITH A DOUBLE ROW OF
0.131"x3.0" GUN NAILS SPACED 4.0" O.C. STAGGERED 2.0".
WITHOUT SPLITTING LUMBER. REFER TO CMMALSP1103 FOR
OTHER NAIL SPACING INFORMATION.

+ USE A SHARP METAL CUTTING SAW BLADE TO CAREFULLY REMOVE
MATERIAL FROM THE TRUSS AS SHOWN. REMAINING PORTIONS OF
TRUSS AND ALPINE PLATES MUST BE FREE FROM DAMAGE.

++REMAINING PORTION OF ALPINE PLATE TO REMAIN INTACT AND
UNDAMAGED FOR REPAIR TO BE VALID.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.25.0503

QTY:1

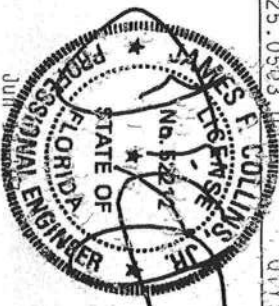
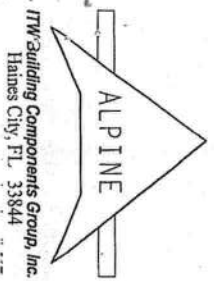
FL/-/5/-/-/R/-

Scale = .1875"/ft.

TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE
AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP
THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE
CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE,
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REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY
INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE. IF ANY,
AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.



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TC DL	10.0 PSF	DATE	06/13/07
BC DL	10.0 PSF	DRW	HCUSR215 07164006
BC LL	0.0 PSF	HC-ENG	DAB/WHK
TOT. LD.	40.0 PSF	SECN-	153513 REV
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T85215_Z04



05 JULY 2007

JOHNNY KEARSE, BUILDING OFFICIAL
COLUMBIA COUNTY, BUILDING DEPT.
COLUMBIA COUNTY COURTHOUSE ANNEX
LAKE CITY, FLORIDA 32055

RE: LOT II, OAKWOOD S/D
PERMIT Nr.: _____

DEAR SIR:

PLEASE BE ADVISED OF THE FOLLOWING MODIFACATIONS TO THE
CONSTRUCTION DOCUMENTS FOR THE ABOVE REFERENCED PROJECT:

1. IN LIEU OF THE HOLDDOWN DEVICE SHOWN AT THE SIDES OF THE GARAGE
DOOR OPENING IT SHALL BE PERMISSIBLE TO INSTALL "SIMPSON" HTTS STRAPS
USING 1 - 5/8" ϕ ANCHOR BOLT SET WITH 2 PART EPOXY INTO A 6" DEEP X 3/4" ϕ
HOLE DRILLED INTO THE CONCRETE SLAB. THE STRAP SHALL BE FASTENED TO THE
BUILT-UP POST WITH ALL MANUFACTURER'S RECOMMENDED NAILS. 2016/7/11

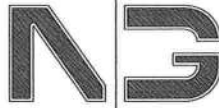
THIS HOLDDOWN DEVICE MAY BE USED IN ALL CASES WHERE A HOLDDOWN
DEVICE MAY BE REQUIRED, FOR THIS PROJECT.

2. THE BUILT-UP POST AT THE GARAGE DOOR OPENING MAY BE UP TO SEVEN
PLYS OF 2X4 STUDS.

SHOULD YOU HAVE ANY FURTHER QUESTIONS WITH THIS, PLEASE CALL FOR
ASSISTANCE.

YOURS TRULY,
NICHOLAS PAUL GEISLER, ARCHITECT ARO007005

25656



**NICHOLAS
PAUL
GEISLER**
ARCHITECT
N.C.A.R.B. Certified

■ 1758 NW Brown Road
■ Lake City, FL 32055
■ 386/755-9021

20 JUNE 2007

JOHNNY KEARSE, BUILDING OFFICIAL
COLUMBIA COUNTY, BUILDING DEPT.
COLUMBIA COUNTY COURTHOUSE ANNEX
LAKE CITY, FLORIDA 32055

RE: LOT II, HUNTERS OAK S/D for WHIDDON CONSTRUCTION
PERMIT Nr.: _____

DEAR SIR:

HAVING REVIEWED THE TRUSS ENGINEERING FOR THE ABOVE REFERENCED PROJECT, PLEASE BE ADVISED THAT ALL TRUSSES MAY BE ANCHORED TO THE WALL SYSTEM WITH "SIMPSON" H2.5a TRUSS ANCHORS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS, WITH ALL REQUIRED FASTENERS. ONE H2.5a ANCHOR SHALL BE INSTALLED AT EACH POINT OF BEARING ON THE WALL SYSTEM FOR EACH TRUSS. THIS SHALL BE IN LIEU OF THE ANCHORS INDICATED IN THE CONSTRUCTION DOCUMENTS FOR THE ABOVE REFERENCED PROJECT. "SIMPSON" H2.5a ANCHORS MEET OR EXCEED ALL UPLIFT REQUIREMENTS INDICATED IN THE ENGINEERED TRUSS SHOP DRAWINGS.

SHOULD YOU HAVE ANY FURTHER QUESTIONS WITH THIS, PLEASE CALL FOR ASSISTANCE.

YOURS TRULY,
NICHOLAS PAUL GEISLER, ARCHITECT AR0007005

COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING

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 34-4S-16-03276-110

Building permit No. 000025656

Use Classification SFD, UTILITY

Fire: 77.00

Permit Holder ROGER WHIDDON

Waste: 201.00

Owner of Building ANDY CRAWLEY

Total: 278.00

Location: 349 SW OAKWOOD COURT, LAKE CITY, FL

Date: 10/30/2007

Andy Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



COLUMBIA COUNTY
OFFICE
OF
PLANNING & ZONING

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

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