DATE 01/29/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000026675

APPLICANT DONALD DAVIS PHONE 386.623.0499

ADDRESS POB 1028 HIGH SPRINGS FL 32655

OWNER MIKE KUZNIK PHONE 352.528.3235

ADDRESS 251 SW JASMINE STREET FT. WHITE FL 32038

CONTRACTOR DONALD DAVIS PHONE 386.623.0499

LOCATION OF PROPERTY 441-S TO C-131,TR TO JASMINE,TR AND IT'S THE 2ND LOT ON R.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 183950.00

HEATED FLOOR AREA 2593.00 TOTAL AREA 3679.00 HEIGHT 23.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 7'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 07-6S-17-09621-410 SUBDIVISION TUSTENUGGEE ESTATES

LOT 10 BLOCK PHASE UNIT TOTAL ACRES 10.00

		CBC1251897	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
WAIVER	08-0043	BLK	JTH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD

Check # or Cash 1544

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 $ 920.00 CERTIFICATION FEE $ 18.39 SURCHARGE FEE $ 18.39

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

FLOOD DEVELOPMENT FEE $ _____ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ _____ **TOTAL FEE** 1031.78

INSPECTORS OFFICE _____ CLERKS OFFICE MSG

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

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

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

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

26675

Inst:200812000594 Date:1/11/2008 Time:11:35 AM
DC,P.DeWitt Cason,Columbia County Page 1 of 3

[Space Above This Line for Recording Data]

PERMIT NO.

TAX FOLIO NO.

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 Statues, the following information is provided in this Notice of Commencement.

1. DESCRIPTION OF PROPERTY (Street address, if available)

10 Jasmine Street
Fort White, FL 32038

LEGAL DESCRIPTION OF PROPERTY

"See attached legal description"

2. GENERAL DESCRIPTION OF IMPROVEMENT

3(a). NAME / ADDRESS OF OWNER	3 (b). OWNER'S INTEREST IN PROPERTY
Melissa Kuznik 7730 NE 130th Ct Bronson, FL 32621	Fee Simple
3(C). NAME / ADDRESS OF FEE SIMPLE TITLEHOLDER *(if other than Owner)*	4. NAME / ADDRESS OF CONTRACTOR Donald Davis, Jr P.O BOX 1028 High Springs, FL 32655

5(a). NAME / ADDRESS OF SURETY	6. NAME / ADDRESS OF LENDER PEOPLES FIRST COMMUNITY BANK
5(b). AMOUNT OF BOND $	

7. Person(s) 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 are shown below:	
7. NAME / ADDRESS	7. NAME / ADDRESS
8. In addition to himself, Owner designates the person whose name and address appear in the box at the right to receive a copy of the Lienors's Notice as provided in Section 713.13(1)(b), Florida Statutes.	8. NAME / ADDRESS OF PERSON TO RECEIVE COPY OF LIENOR'S NOTICE PEOPLES FIRST COMMUNITY BANK
9. Expiration of date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified) is shown in box at right.	9. EXPIRATION DATE

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

Signature of Owner

x _____

COUNTY OF Alachua

The foregoing instrument was acknowledged before me this 9th day of January, 2008 by Melissa Kuznik

who is personally known to me or who has produced FL Drivers License

as identification.

_____

Notary Public

My commission expires:

(Seal)

NOTARY PUBLIC-STATE OF FLORIDA
Daniel R. Monteau
Commission # DD587442
Expires: AUG. 21, 2010
BONDED THRU ATLANTIC BONDING CO., INC.

WHEN RECORDED RETURN TO:	DRAFTED BY:
PEOPLES FIRST COMMUNITY BANK	ADDRESS, CITY, STATE

Columbia County Building Permit Application

For Office Use Only Application # 0801-86 Date Received 1/16 By JW Permit # 26675 / 1536

Application Approved by - Zoning Official BLK Date 28.01.08 Plans Examiner OK JTH Date 1-23-08

Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments

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

Name Authorized Person Signing Permit Donald Davis Phone 386-623-0499 Fax

Address P.O Box 1028 High Springs Fl. 32655

Owners Name Mike Kuznik Phone 352-528-3235

911 Address 251 SW Jasmine St, FT White Fl. 32038

Contractors Name Donald Davis Phone 386-623-0499

Address P.O Box 1028 High Springs Fl. 32655

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Mark Disosway P.O Box 868 Lake City Fl. 32056

Mortgage Lenders Name & Address Peoples First Community Bank 300 Palm Coast Parkway Palm Coast, FL 32137

Circle the correct power company - FL Power & Light - (Clay Elec.) - Suwannee Valley Elec. - Progressive Energy

Property ID Number 07-6S-17-09621-410 Estimated Cost of Construction 275,000.00

Subdivision Name Tustenuggee Estates Lot 10 Block Unit Phase

Driving Directions From Lake City to Tustenuggee East to Jasmine, Right on to Jasmine, 2nd Lot on right.

Type of Construction Brick Veneer - 570 Number of Existing Dwellings on Property None

Total Acreage 10 Lot Size 640x640 Do you need a - Culvert Permit or (Culvert Waiver) or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 320' Side 259' Side 308' Rear 261'

Total Building Height 23' Number of Stories 1 Heated Floor Area 2593 TOTAL 3679 Roof Pitch 7/12

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

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

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

Donald R Davis
Owner Builder or Authorized Person by Notarized Letter

Donald R Davis
Contractor Signature

Contractors License Number CBC1251897

Competency Card Number

NOTARY STAMP/SEAL

LAURIE HODSON
MY COMMISSION # DD 333503
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 16 day of Jan 20 07.

Personally known ✓ or Produced Identification

Laurie Hodson
Notary Signature

(Revised Sept. 2006

Columbia County Building Permit Application

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

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

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

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

Owner's Signature

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

Contractor's Signature (Permitee)

Contractor's License Number CBC1251857
Columbia County
Competency Card Number

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 16th day of January 2008.

Personally known ✓ or Produced Identification

Violet Stalnaker

State of Florida Notary Signature (For the Contractor)

SEAL:

VIOLET STALNAKER
Comm# DD0468809
Expires 2/15/2009
Bonded thru (800)432-4254
Florida Notary Assn., Inc

Revised 11-30-07

Rec $18.50
Doc Stamps $0.70
RETURN TO

U. G. Title
[illegible] N.E. Santa Fe [illegible]
High Springs, FL [illegible]

USH-3673.

Inst:2006023289 Date:09/29/2006 Time:08:36
Doc Stamp-Deed : 0.70
DC,P.DeWitt Cason,Columbia County B:1097 P:1486

QUIT CLAIM DEED

This Indenture made this 15 day of September, 2006, BETWEEN **MELISSA KUZNIK, Joined by her Husband, MICHAEL J. KUZNIK,** GRANTOR*, whose address is 7730 NE 130TH COURT, BRONSON, FL 32008, and **MICHAEL J. KUZNIK and MELISSA KUZNIK, HUSBAND AND WIFE,** as GRANTEE*, whose address is **7730 NE 130TH COURT, BRONSON, FL 32008.**

WITNESSETH, That said Grantor, for and in consideration of the sum of **TEN AND 00/100'S ($10.00) Dollars** and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the grantee and grantee's heirs forever the following described land located in the County of **COLUMBIA,** State of **Florida,** to-wit:

SEE ATTACHED EXHIBIT "A" FOR LEGAL DESCRIPTION

TO HAVE AND TO HOLD the same together with all and singular the appurtenances thereunto belonging or in any wise appertaining, and all the estate, right, title, interest, lien, equity and claim whatsoever of the Grantor, either in law or equity, to the only proper use, benefit and behalf of the said Grantee forever.

(*Singular and plural are interchangeable as context requires.)

IN WITNESS WHEREOF, Grantor has hereunto set grantor's hand and seal this day and year first above written.

WITNESSES

ERNEST VARGAS

Jannette S. Boyd

MELISSA KUZNIK

MICHAEL J. KUZNIK

COUNTY OF ALACHUA
STATE OF FLORIDA

I HEREBY CERTIFY that on this 15 day of September, 2006, before me, an officer duly qualified to take acknowledgements, personally appeared: **MELISSA KUZNIK and MICHAEL J. KUZNIK,** to me known to be the persons or has produced A DRIVER'S LICENSE as identification and who did (did not) take an oath, described in and who executed the foregoing instrument and acknowledged before me that they executed the same.

NOTARY PUBLIC
COMMISSION EXPIRATION:

Jannette S. Boyd
MY COMMISSION # DD230532 EXPIRES
August 7, 2007
BONDED THRU TROY FAIN INSURANCE, INC.

Inst:2006023289 Date:09/29/2006 Time:08:36
Doc Stamp-Deed : 0.70
DC,P.DeWitt Cason,Columbia County B:1097 P:1487

EXHIBIT "A"

COMMENCE AT THE SOUTHWEST CORNER OF SECTION 7, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE SOUTH 89°38'15" EAST ALONG THE SOUTH LINE OF SAID SECTION 7, 1257.24 FEET; THENCE NORTH 0°20'48" EAST, 667.95 FEET; THENCE SOUTH 89°38'15" EAST 2617.19 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 89°38'15" EAST, 1333.47 FEET TO THE WEST RIGHT-OF-WAY LINE OF COUNTY ROAD NO. C-131; THENCE NORTH 0°20'48" EAST ALONG SAID WEST RIGHT-OF-WAY LINE, 60.01 FEET TO THE POINT OF CUSP; THENCE SOUTHWESTERLY ALONG A CURVE CONCAVE TO THE NORTHWEST, HAVING A RADIUS OF 30.00 FEET AND A CENTRAL ANGLE OF 90°00'57", AN ARC DISTANCE OF 47.13 FEET; THENCE NORTH 89°38'15" WEST ALONG THE SOUTH LINE OF LOT 12 OF TUSTENUGGEE RIDGE, A SUBDIVISION ACCORDING TO PLAT THEREOF RECORDED IN PLAT BOOK 6, PAGE 212 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA, 653.43 FEET TO THE SOUTHWEST CORNER OF SAID LOT 12; THENCE NORTH 0°20'48" EAST ALONG THE WEST LINE OF SAID SUBDIVISION, 641.46 FEET; THENCE NORTH 89°38'15" WEST 650.03 FEET; THENCE SOUTH 0°20'48" WEST, 671.46 FEET TO THE POINT OF BEGINNING, SAID LAND BEING SUBJECT TO A CUL-DE-SAC EASEMENT IN THE NORTHWEST CORNER THEREOF, ALSO, THE WEST AND SOUTH 30 FEET OF SAID LANDS BEING SUBJECT TO AN EASEMENT FOR INGRESS AND EGRESS, CONTAINING 10.50 ACRES, MORE OR LESS.

TOGETHER WITH

60 FOOT ROAD EASEMENT IN TUSTENUGGEE WOODS A STRIP OF LAND 60 FEET IN WIDTH BEING 30 FEET EACH SIDE OF A CENTERLINE DESCRIBED AS FOLLOWS: COMMENCE AT THE SOUTHWEST CORNER OF SECTION 7, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE SOUTH 89°38'15" EAST ALONG THE SOUTH LINE OF SAID SECTION 7, 1257.24 FEET; THENCE NORTH 0°20'48" EAST, 667.95 FEET; THENCE SOUTH 89°38'15" EAST, 17.07 FEET TO REFERENCE POINT "L" AND THE POING OF BEGINNING; THENCE CONTINUE SOUTH 89°38'15" EAST, 1300.06 FEET TO REFERENCE POINT "M"; THENCE CONTINUE SOUTH 89°38'15" EAST, 1333.47 FEET TO THE WEST RIGHT-OF-WAY LINE OF COUNTY ROAD NO. C-131 AND THE POINT OF TERMINATION, ALSO BEGIN AT REFERENCE POINT "L" AND RUN THENCE NORTH 0°20'48" EAST, 671.46 FEET TO THE CENTER POINT OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION, ALSO BEGIN AT REFERENCE POINT "M" AND RUN THENCE NORTH 0°20'48" EAST, 2014.38 FEET AND THE POINT OF TERMINATION. ALSO BEGIN AT REFERENCE POINT "N" AND RUN THENCE NORTH 0° 20' 48 EAST, 671.46 FEET TO THE CENTER POINT OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION.

Columbia County Property Appraiser

DB Last Updated: 10/22/2007

2007 Proposed Values

Tax Record | Property Card | Interactive GIS Map | Print

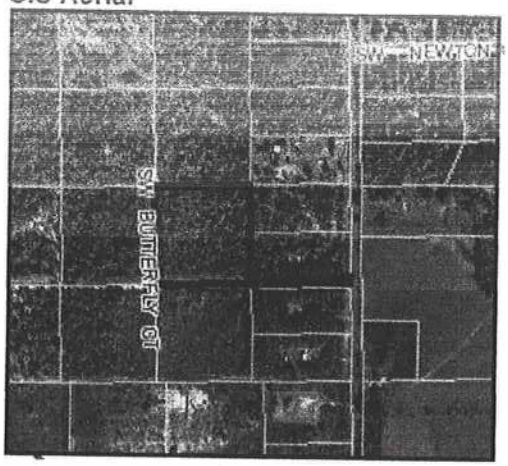
Parcel: 07-6S-17-09621-410

Search Result: 1 of 1

Owner & Property Info

Owner's Name	KUZNIK MICHAEL J & MELISSA		
Site Address	TUSTENUGGEE WOODS UNREC		
Mailing Address	7730 NE 130TH COURT BRONSON, FL 32008		
Use Desc. (code)	NO AG ACRE (009900)		
Neighborhood	7617.02	Tax District	3
UD Codes	MKTA02	Market Area	02
Total Land Area	10.500 ACRES		
Description	COMM SW COR, RUN E 1257.24 FT, N 667.95 FT, E 2617.24 FT FOR POB, CONT E 1333.47 FT TO W R/W CR-131, N ALONG R/W 60.01 FT TO A CUSP, SW'LY ALONG ARC OF A CURVE 47.13 FT, W 653.43 FT, N 641.46 FT, W 650.03 FT, S 671.46 FT TO POB. (AKA LOT 10 TUSTENUGGEE WOODS UNREC) ORB 923-326, WD 1097-1476, QCD 1097-1486		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	$78,750.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$78,750.00

Just Value	$78,750.00
Class Value	$0.00
Assessed Value	$78,750.00
Exempt Value	$0.00
Total Taxable Value	$78,750.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
9/15/2006	1097/1486	QC	V	U	01	$100.00
9/15/2006	1097/1476	WD	V	U	09	$126,500.00
2/15/2001	923/326	WD	V	Q		$30,000.00

Building Characteristics

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

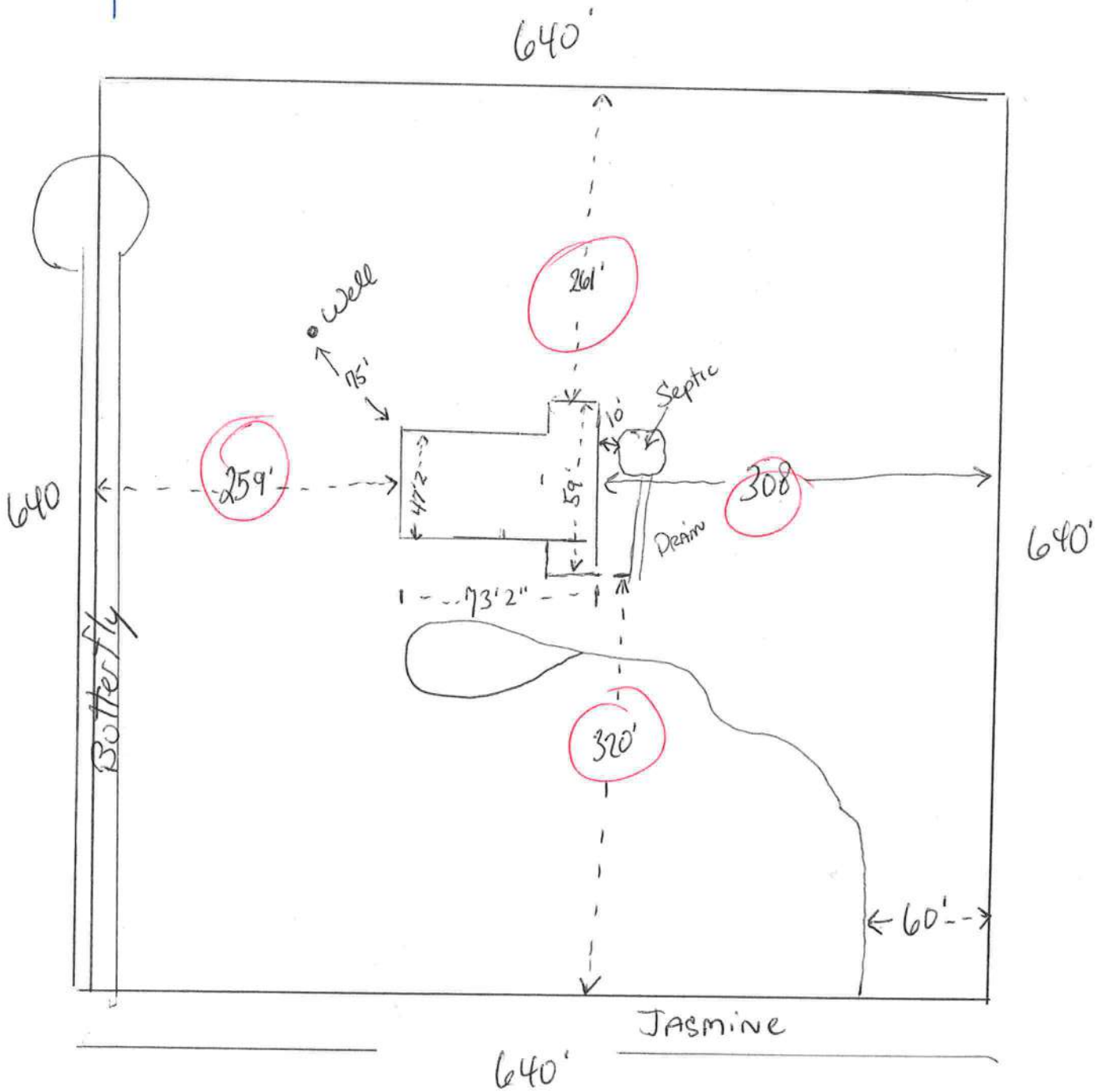
Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
009900	AC NON-AG (MKT)	10.500 AC	1.00/1.00/1.00/1.00	$7,500.00	$78,750.00

Mike & Melissa Kuznik
251 SW Jasime St.
Ft. White Fl. 32038



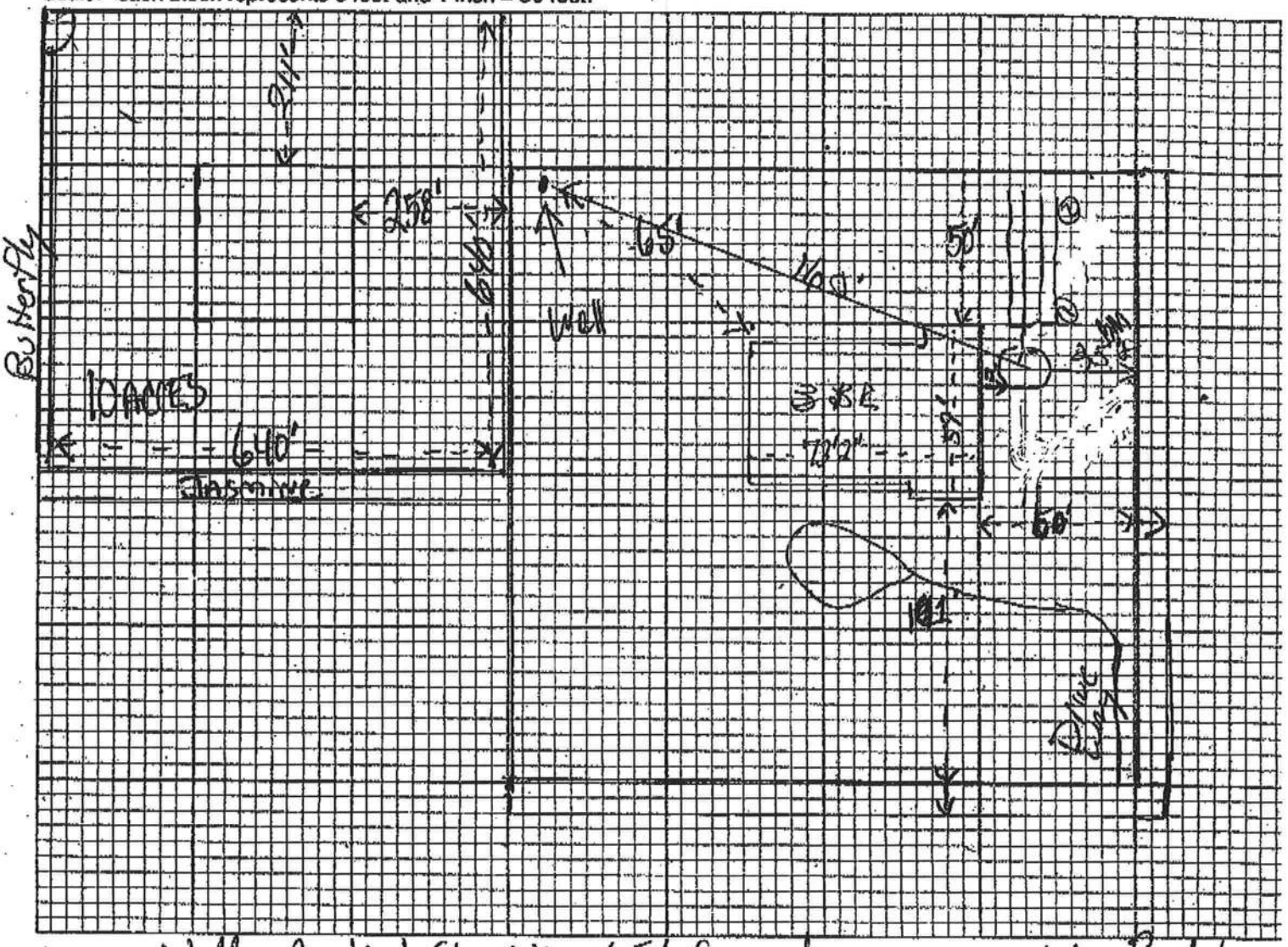
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 08-0043

PART II - SITE PLAN

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



Notes: Well Back left side 65' from house, septic Right side of house, 3 bedroom 2.5 bath
No Slope.

Site Plan submitted by: _____ Signature Secretary Title

Plan Approved X Not Approved _____ Date 1-18-08

By Sallie Ford - ES11 Columbia CHD County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/98 (Replaces HRS-H Form 4015 which may be used)
(Stock Number: 5744-002-4015-6)

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**711021HighSpringsConstruction**	Builder:	
Address:	**Lot: 10, Sub: Tustenuggee Woo, Plat:**	Permitting Office:	Columbia
City, State:	**, FL**	Permit Number:	
Owner:	**Kuznik, Mike Residence**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 54.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	2593.2 ft²	c. N/A	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor:	Description Area	13. Heating systems	
(or Single or Double DEFAULT) 7a.	(Dble Default) 381.0 ft²	a. Electric Heat Pump	Cap: 54.0 kBtu/hr
b. SHGC:			HSPF: 7.90
(or Clear or Tint DEFAULT) 7b.	(Clear) 381.0 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 257.0(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 40.0 gallons
a. Frame, Wood, Exterior	R=13.0, 2129.0 ft²		EF: 0.93
b. N/A		b. N/A	
c. N/A			
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits	
a. Under Attic	R=30.0, 2630.0 ft²	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 175.0 ft		
b. N/A			

Glass/Floor Area: 0.15 Total as-built points: 31270 Total base points: 35496 **PASS**

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

PREPARED BY: _____

DATE: 11/9/07

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Tustenuggee Woo, Plat: , , FL,** PERMIT #:

BASE

GLASS TYPES

.18 X	Conditioned Floor Area	X BSPM	= Points
.18	2593.2	20.04	9354.2

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
Double, Clear	N	1.5	8.0	36.0	19.20	0.97	668.6
Double, Clear	N	1.5	7.0	20.0	19.20	0.96	366.7
Double, Clear	NW	1.5	8.0	12.0	25.97	0.96	300.2
Double, Clear	N	1.5	8.0	30.0	19.20	0.97	557.1
Double, Clear	NE	1.5	8.0	12.0	29.56	0.96	341.0
Double, Clear	N	1.5	5.0	9.0	19.20	0.92	158.2
Double, Clear	N	1.5	3.0	4.0	19.20	0.83	63.8
Double, Clear	E	1.5	3.0	4.0	42.06	0.73	122.1
Double, Clear	E	1.5	5.0	6.0	42.06	0.87	220.7
Double, Clear	E	1.5	8.0	72.0	42.06	0.96	2900.0
Double, Clear	S	1.5	0.0	36.0	35.87	0.43	557.7
Double, Clear	W	50.0	7.0	20.0	38.52	0.37	288.6
Double, Clear	S	8.0	8.0	54.0	35.87	0.52	1008.3
Double, Clear	S	1.5	5.0	6.0	35.87	0.81	173.6
Double, Clear	W	1.5	8.0	60.0	38.52	0.96	2214.6
As-Built Total:				**381.0**			**9941.3**

WALL TYPES

	Area X	BSPM	= Points
Adjacent	0.0	0.00	0.0
Exterior	2129.0	1.70	3619.3
Base Total:	**2129.0**		**3619.3**

Type	R-Value	Area X	SPM	= Points
Frame, Wood, Exterior	13.0	2129.0	1.50	3193.5
As-Built Total:		**2129.0**		**3193.5**

DOOR TYPES

	Area X	BSPM	= Points
Adjacent	0.0	0.00	0.0
Exterior	60.0	4.10	246.0
Base Total:	**60.0**		**246.0**

Type	Area X	SPM	= Points
Exterior Insulated	20.0	4.10	82.0
Exterior Insulated	40.0	4.10	164.0
As-Built Total:	**60.0**		**246.0**

CEILING TYPES

	Area X	BSPM	= Points
Under Attic	2593.2	1.73	4486.2
Base Total:	**2593.2**		**4486.2**

Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	30.0	2630.0	1.73 X 1.00	4549.9
As-Built Total:		**2630.0**		**4549.9**

FLOOR TYPES

	Area X	BSPM	= Points
Slab	257.0(p)	-37.0	-9509.0
Raised	0.0	0.00	0.0
Base Total:			**-9509.0**

Type	R-Value	Area X	SPM	= Points
Slab-On-Grade Edge Insulation	0.0	257.0(p	-41.20	-10588.4
As-Built Total:		**257.0**		**-10588.4**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Tustenuggee Woo, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points				Area X	SPM	=	Points
	2593.2	10.21	26476.6				2593.2	10.21		26476.6
Summer Base Points: 34673.3				**Summer As-Built Points:**						**33818.9**
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
				(sys 1: Central Unit 54000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)						
				33819		1.00	(1.09 x 1.147 x 0.91)	0.263	1.000	10101.5
34673.3		**0.4266**	**14791.6**	**33818.9**		**1.00**	**1.138**	**0.263**	**1.000**	**10101.5**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Tustenuggee Woo, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	2593.2	12.74	5946.7	Double, Clear	N	1.5	8.0	36.0	24.58	1.00	885.6
				Double, Clear	N	1.5	7.0	20.0	24.58	1.00	492.3
				Double, Clear	NW	1.5	8.0	12.0	24.30	1.00	291.8
				Double, Clear	N	1.5	8.0	30.0	24.58	1.00	738.0
				Double, Clear	NE	1.5	8.0	12.0	23.57	1.00	283.4
				Double, Clear	N	1.5	5.0	9.0	24.58	1.00	222.0
				Double, Clear	N	1.5	3.0	4.0	24.58	1.01	99.2
				Double, Clear	E	1.5	3.0	4.0	18.79	1.12	84.2
				Double, Clear	E	1.5	5.0	6.0	18.79	1.05	118.4
				Double, Clear	E	1.5	8.0	72.0	18.79	1.02	1379.9
				Double, Clear	S	1.5	0.0	36.0	13.30	3.66	1752.1
				Double, Clear	W	50.0	7.0	20.0	20.73	1.24	513.1
				Double, Clear	S	8.0	8.0	54.0	13.30	2.73	1961.4
				Double, Clear	S	1.5	5.0	6.0	13.30	1.20	95.5
				Double, Clear	W	1.5	8.0	60.0	20.73	1.01	1257.5
				As-Built Total:				**381.0**			**10174.4**

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0	2129.0	3.40	7238.6
Exterior	2129.0	3.70	7877.3					
Base Total:	**2129.0**		**7877.3**	**As-Built Total:**		**2129.0**		**7238.6**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Insulated	20.0	8.40	168.0
Exterior	60.0	8.40	504.0	Exterior Insulated	40.0	8.40	336.0
Base Total:	**60.0**		**504.0**	**As-Built Total:**	**60.0**		**504.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	2593.2	2.05	5316.1	Under Attic	30.0	2630.0	2.05 X 1.00	5391.5
Base Total:	**2593.2**		**5316.1**	**As-Built Total:**		**2630.0**		**5391.5**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	257.0(p)	8.9	2287.3	Slab-On-Grade Edge Insulation	0.0	257.0(p	18.80	4831.6
Raised	0.0	0.00	0.0					
Base Total:			**2287.3**	**As-Built Total:**		**257.0**		**4831.6**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Tustenuggee Woo, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM	= Points			Area X	WPM	=	Points	
	2593.2	-0.59	-1530.0			2593.2	-0.59		-1530.0	
Winter Base Points:			**20401.4**	**Winter As-Built Points:**						**26610.1**
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
				(sys 1: Electric Heat Pump 54000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Int(AH),R6.0						
20401.4		**0.6274**	**12799.8**	26610.1 **26610.1**		1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.432 **0.432**	1.000 **1.000**	13349.0 **13349.0**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Tustenuggee Woo, Plat: , , FL,** PERMIT #:

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

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
14792	**12800**	**7905**	**35496**	**10101**	**13349**	**7820**	**31270**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Tustenuggee Woo, Plat: , , FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.4

The higher the score, the more efficient the home.

Kuznik, Mike Residence, Lot: 10, Sub: Tustenuggee Woo, Plat: , , FL,

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 54.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 13.00
4.	Number of Bedrooms	3		b. N/A	
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	2593.2 ft²		c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
	a. U-factor:	Description Area	13.	Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble Default) 381.0 ft²		a. Electric Heat Pump	Cap: 54.0 kBtu/hr
	b. SHGC:				HSPF: 7.90
	(or Clear or Tint DEFAULT) 7b.	(Clear) 381.0 ft²		b. N/A	
8.	Floor types				
	a. Slab-On-Grade Edge Insulation	R=0.0, 257.0(p) ft		c. N/A	
	b. N/A				
	c. N/A		14.	Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 40.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 2129.0 ft²			EF: 0.93
	b. N/A			b. N/A	
	c. N/A				
	d. N/A			c. Conservation credits	
	e. N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 2630.0 ft²	15.	HVAC credits	
	b. N/A			(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 175.0 ft		MZ-C-Multizone cooling,	
	b. N/A			MZ-H-Multizone heating)	

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.

High Springs Construction
Post Office Box 1028
High Springs, FL 32643
(386)454-1407

To Whom It May Concern:

High Springs Construction will be pulling permits and building my home at 251 SW Jasmine Street, Fort White, FL 32038. I am authorizing Donald R. Davis to be the authorized agent for Mike and Melissa Kuznik. Please allow him to sign and pull permits on referenced address.
Tustenuggee Woods/ Parcel Number 07-6S-17-09621-410

If you have any questions please feel free to contact me at 352-494-2072 or 352-494-2764.

Thank you,

Elaine Davis

Michael Kuznik

Melissa Kuznik

Donald R. Davis-President/ High Springs Construction Corporation

Witness
Daniel R Monteau

NOTARY PUBLIC-STATE OF FLORIDA
Daniel R. Monteau
Commission # DD587442
Expires: AUG. 21, 2010
BONDED THRU ATLANTIC BONDING CO., INC.

CERTIFICATE OF

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 07-6S-17-09621-410 Building permit No. 000026675

Use Classification SFD/UTILITY Fire: 24.42

Permit Holder DONALD DAVIS Waste: 33.50

Owner of Building MIKE KUZNIK Total: 57.92

Location: 251 SW JASMINE ST., FT. WHITE, FL

Date: 08/18/2008

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Attn: Weegie

Columbia County Building Department
Culvert Waiver

Culvert Waiver No. 000001536

DATE: 01/29/2008 BUILDING PERMIT NO. 26675

APPLICANT DONALD DAVIS PHONE 386.623.0499

ADDRESS POB 1028 HIGH SPRINGS FL 32655

OWNER MIKE KUZNIK PHONE 352.528.3235

ADDRESS 251 SW JASMINE STREET FT. WHITE FL 32038

CONTRACTOR DONALD DAVIS PHONE 386.623.0499

LOCATION OF PROPERTY 441-S TO C-131,TR TO JASMINE,TR AND IT'S THE 2ND OT ON R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT TUSTENUGGEE ESTATES 10

PARCEL ID # 07-6S-17-09621-410

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: J. Donald Davis

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

V APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

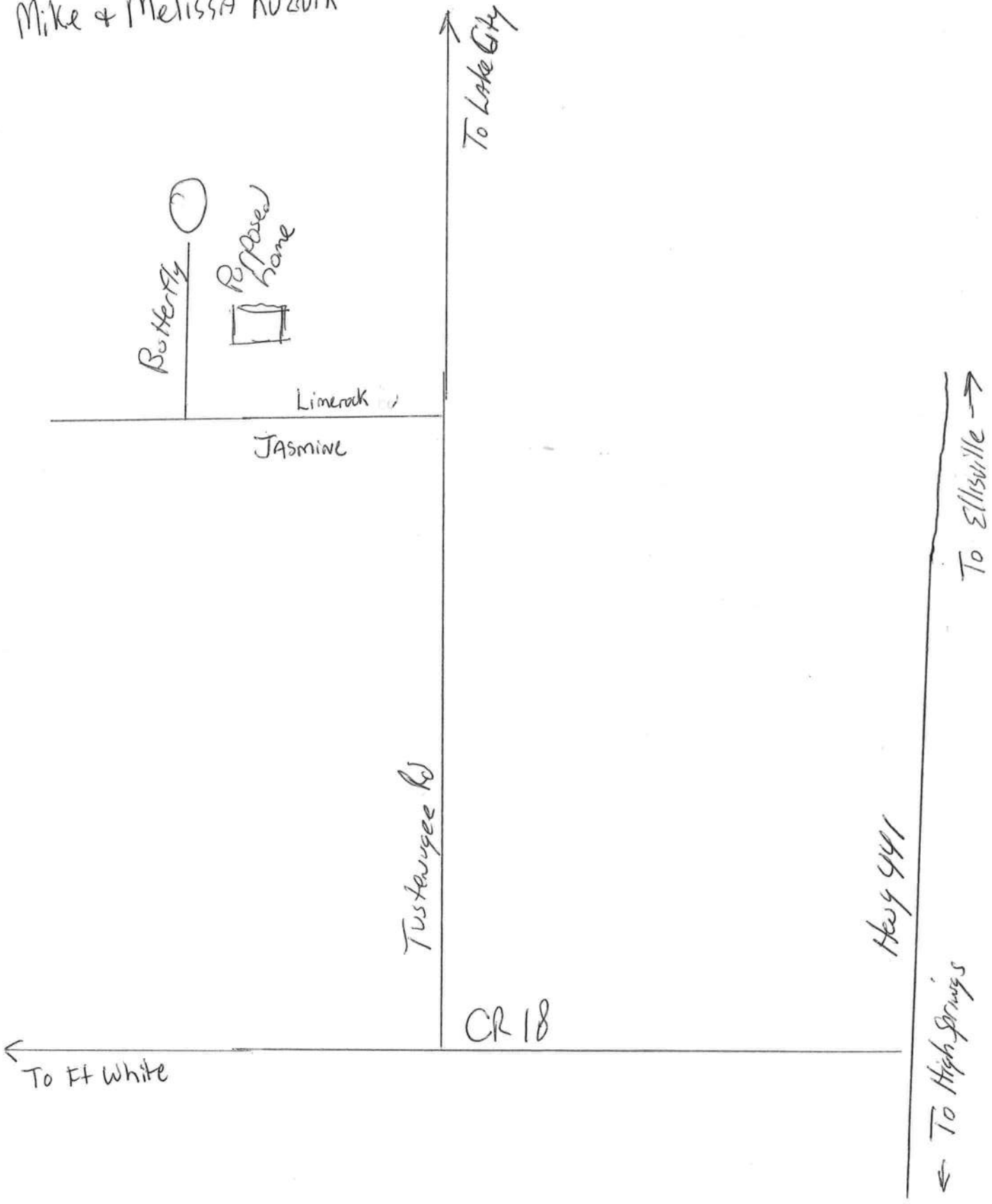
COMMENTS: Privet

SIGNED: Ernie Pluger DATE: 1-31-08

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

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

High Springs Construction
Donnie 386-623-0499
Construction for
Mike & Melissa Kuzsik



Residential System Sizing Calculation

Summary

Kuznik, Mike Residence

, FL

Project Title:
711021HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

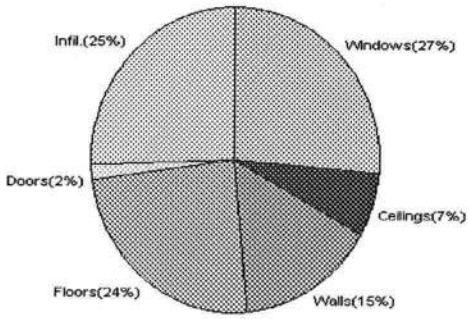
11/8/2007

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	**45907**	**Btuh**	**Total cooling load calculation**	**39340**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	117.6	54000	Sensible (SHR = 0.75)	123.6	40500
Heat Pump + Auxiliary(0.0kW)	117.6	54000	Latent	205.5	13500
			Total (Electric Heat Pump)	137.3	54000

WINTER CALCULATIONS

Winter Heating Load (for 2593 sqft)

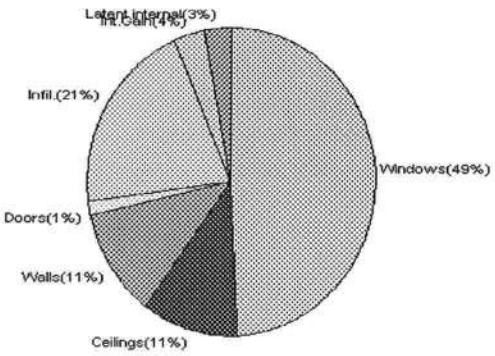
Load component			Load	
Window total	381	sqft	12264	Btuh
Wall total	2129	sqft	6992	Btuh
Door total	60	sqft	777	Btuh
Ceiling total	2630	sqft	3099	Btuh
Floor total	257	sqft	11221	Btuh
Infiltration	285	cfm	11555	Btuh
Duct loss			0	Btuh
Subtotal			**45907**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**45907**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2593 sqft)

Load component			Load	
Window total	381	sqft	19271	Btuh
Wall total	2129	sqft	4441	Btuh
Door total	60	sqft	588	Btuh
Ceiling total	2630	sqft	4355	Btuh
Floor total			0	Btuh
Infiltration	147	cfm	2735	Btuh
Internal gain			1380	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**32770**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			5370	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**6570**	**Btuh**
TOTAL HEAT GAIN			**39340**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: Gary Gaul
DATE: 11-9-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Kuznik, Mike Residence
, FL

Project Title:
711021HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

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

11/8/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	36.0	32.2	1159 Btuh
2	2, Clear, Metal, 0.87	NW	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	W	12.0	32.2	386 Btuh
4	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
5	2, Clear, Metal, 0.87	N	12.0	32.2	386 Btuh
6	2, Clear, Metal, 0.87	NW	9.0	32.2	290 Btuh
7	2, Clear, Metal, 0.87	NW	4.0	32.2	129 Btuh
8	2, Clear, Metal, 0.87	NE	4.0	32.2	129 Btuh
9	2, Clear, Metal, 0.87	NE	6.0	32.2	193 Btuh
10	2, Clear, Metal, 0.87	NE	72.0	32.2	2318 Btuh
11	2, Clear, Metal, 0.87	SE	36.0	32.2	1159 Btuh
12	2, Clear, Metal, 0.87	SW	20.0	32.2	644 Btuh
13	2, Clear, Metal, 0.87	SE	54.0	32.2	1738 Btuh
14	2, Clear, Metal, 0.87	SE	6.0	32.2	193 Btuh
15	2, Clear, Metal, 0.87	SW	60.0	32.2	1931 Btuh
	Window Total		381(sqft)		12264 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	2129	3.3	6992 Btuh
	Wall Total		2129		6992 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		40	12.9	518 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		60		777Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2630	1.2	3099 Btuh
	Ceiling Total		2630		3099Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	257.0 ft(p)	43.7	11221 Btuh
	Floor Total		257		11221 Btuh
			Zone Envelope Subtotal:		34353 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	25932	285.3	11555 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**45907 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Kuznik, Mike Residence
, FL

Project Title:
711021HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

11/8/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	45907 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	45907 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

Kuznik, Mike Residence
, FL

Project Title:
711021HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

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

11/8/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	36.0	32.2	1159 Btuh
2	2, Clear, Metal, 0.87	NW	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	W	12.0	32.2	386 Btuh
4	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
5	2, Clear, Metal, 0.87	N	12.0	32.2	386 Btuh
6	2, Clear, Metal, 0.87	NW	9.0	32.2	290 Btuh
7	2, Clear, Metal, 0.87	NW	4.0	32.2	129 Btuh
8	2, Clear, Metal, 0.87	NE	4.0	32.2	129 Btuh
9	2, Clear, Metal, 0.87	NE	6.0	32.2	193 Btuh
10	2, Clear, Metal, 0.87	NE	72.0	32.2	2318 Btuh
11	2, Clear, Metal, 0.87	SE	36.0	32.2	1159 Btuh
12	2, Clear, Metal, 0.87	SW	20.0	32.2	644 Btuh
13	2, Clear, Metal, 0.87	SE	54.0	32.2	1738 Btuh
14	2, Clear, Metal, 0.87	SE	6.0	32.2	193 Btuh
15	2, Clear, Metal, 0.87	SW	60.0	32.2	1931 Btuh
	Window Total		381(sqft)		12264 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	2129	3.3	6992 Btuh
	Wall Total		2129		6992 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		40	12.9	518 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		60		777Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2630	1.2	3099 Btuh
	Ceiling Total		2630		3099Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	257.0 ft(p)	43.7	11221 Btuh
	Floor Total		257		11221 Btuh
			Zone Envelope Subtotal:		34353 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	25932	285.3	11555 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**45907 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Kuznik, Mike Residence
, FL

Project Title:
711021HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

11/8/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	45907 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	45907 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

Kuznik, Mike Residence
, FL

Project Title:
711021HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 11/8/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	8ft.	36.0	0.0	36.0	29	60	2161 Btuh
2	2, Clear, 0.87, None,N,N	NW	1.5ft.	7ft.	20.0	0.0	20.0	29	60	1201 Btuh
3	2, Clear, 0.87, None,N,N	W	1.5ft.	8ft.	12.0	0.0	12.0	29	80	954 Btuh
4	2, Clear, 0.87, None,N,N	NW	1.5ft.	8ft.	30.0	0.0	30.0	29	60	1801 Btuh
5	2, Clear, 0.87, None,N,N	N	1.5ft.	8ft.	12.0	0.0	12.0	29	29	348 Btuh
6	2, Clear, 0.87, None,N,N	NW	1.5ft.	5ft.	9.0	0.0	9.0	29	60	540 Btuh
7	2, Clear, 0.87, None,N,N	NW	1.5ft.	3ft.	4.0	0.0	4.0	29	60	240 Btuh
8	2, Clear, 0.87, None,N,N	NE	1.5ft.	3ft.	4.0	0.0	4.0	29	60	240 Btuh
9	2, Clear, 0.87, None,N,N	NE	1.5ft.	5ft.	6.0	0.0	6.0	29	60	360 Btuh
10	2, Clear, 0.87, None,N,N	NE	1.5ft.	8ft.	72.0	0.0	72.0	29	60	4323 Btuh
11	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	36.0	36.0	0.0	29	63	1043 Btuh
12	2, Clear, 0.87, None,N,N	SW	50ft.	7ft.	20.0	20.0	0.0	29	63	579 Btuh
13	2, Clear, 0.87, None,N,N	SE	8ft.	8ft.	54.0	54.0	0.0	29	63	1564 Btuh
14	2, Clear, 0.87, None,N,N	SE	1.5ft.	5ft.	6.0	1.0	5.0	29	63	340 Btuh
15	2, Clear, 0.87, None,N,N	SW	1.5ft.	8ft.	60.0	5.2	54.8	29	63	3576 Btuh
	Window Total				381 (sqft)					19271 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	2129.0	2.1	4441 Btuh
	Wall Total		2129 (sqft)		4441 Btuh
Doors	Type		Area (sqft)	HTM	Load
1	Insulated - Exterior		40.0	9.8	392 Btuh
2	Insulated - Exterior		20.0	9.8	196 Btuh
	Door Total		60 (sqft)		588 Btuh
Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2630.0	1.7	4355 Btuh
	Ceiling Total		2630 (sqft)		4355 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	257 (ft(p))	0.0	0 Btuh
	Floor Total		257.0 (sqft)		0 Btuh
				Zone Envelope Subtotal:	28655 Btuh

Infiltration	Type	ACH		Volume(cuft)		CFM=	Load
	SensibleNatural	0.34		25932		146.9	2735 Btuh
Internal gain		Occupants		Btuh/occupant		Appliance	Load
		6	X	230	+	0	1380 Btuh
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)					DGM = 0.00	0.0 Btuh
					Sensible Zone Load		**32770 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Kuznik, Mike Residence
, FL

Project Title:
711021HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

11/8/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**32770 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**32770 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**32770 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	5370 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	**6570 Btuh**
	TOTAL GAIN	**39340 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

Kuznik, Mike Residence
, FL

Project Title:
711021HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

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

11/8/2007

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	8ft.	36.0	0.0	36.0	29	60	2161 Btuh
2	2, Clear, 0.87, None,N,N	NW	1.5ft.	7ft.	20.0	0.0	20.0	29	60	1201 Btuh
3	2, Clear, 0.87, None,N,N	W	1.5ft.	8ft.	12.0	0.0	12.0	29	80	954 Btuh
4	2, Clear, 0.87, None,N,N	NW	1.5ft.	8ft.	30.0	0.0	30.0	29	60	1801 Btuh
5	2, Clear, 0.87, None,N,N	N	1.5ft.	8ft.	12.0	0.0	12.0	29	29	348 Btuh
6	2, Clear, 0.87, None,N,N	NW	1.5ft.	5ft.	9.0	0.0	9.0	29	60	540 Btuh
7	2, Clear, 0.87, None,N,N	NW	1.5ft.	3ft.	4.0	0.0	4.0	29	60	240 Btuh
8	2, Clear, 0.87, None,N,N	NE	1.5ft.	3ft.	4.0	0.0	4.0	29	60	240 Btuh
9	2, Clear, 0.87, None,N,N	NE	1.5ft.	5ft.	6.0	0.0	6.0	29	60	360 Btuh
10	2, Clear, 0.87, None,N,N	NE	1.5ft.	8ft.	72.0	0.0	72.0	29	60	4323 Btuh
11	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	36.0	36.0	0.0	29	63	1043 Btuh
12	2, Clear, 0.87, None,N,N	SW	50ft.	7ft.	20.0	20.0	0.0	29	63	579 Btuh
13	2, Clear, 0.87, None,N,N	SE	8ft.	8ft.	54.0	54.0	0.0	29	63	1564 Btuh
14	2, Clear, 0.87, None,N,N	SE	1.5ft.	5ft.	6.0	1.0	5.0	29	63	340 Btuh
15	2, Clear, 0.87, None,N,N	SW	1.5ft.	8ft.	60.0	5.2	54.8	29	63	3576 Btuh
	Window Total				381 (sqft)					19271 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	2129.0	2.1	4441 Btuh
	Wall Total		2129 (sqft)		4441 Btuh
Doors	Type		Area (sqft)	HTM	Load
1	Insulated - Exterior		40.0	9.8	392 Btuh
2	Insulated - Exterior		20.0	9.8	196 Btuh
	Door Total		60 (sqft)		588 Btuh
Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2630.0	1.7	4355 Btuh
	Ceiling Total		2630 (sqft)		4355 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	257 (ft(p))	0.0	0 Btuh
	Floor Total		257.0 (sqft)		0 Btuh
			Zone Envelope Subtotal:		28655 Btuh

Infiltration	Type	ACH	Volume(cuft)		CFM=	Load
	SensibleNatural	0.34	25932		146.9	2735 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		6	X 230	+	0	1380 Btuh
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)				DGM = 0.00	0.0 Btuh
				Sensible Zone Load		**32770 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Kuznik, Mike Residence
, FL

Project Title:
711021HighSpringsConstruction

Class 3 Rating
Registration No. 0
Climate: North

11/8/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**32770 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**32770 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**32770 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	5370 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	**6570 Btuh**
	TOTAL GAIN	**39340 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

Kuznik, Mike Residence

, FL

Project Title:
711021HighSpringsConstruction

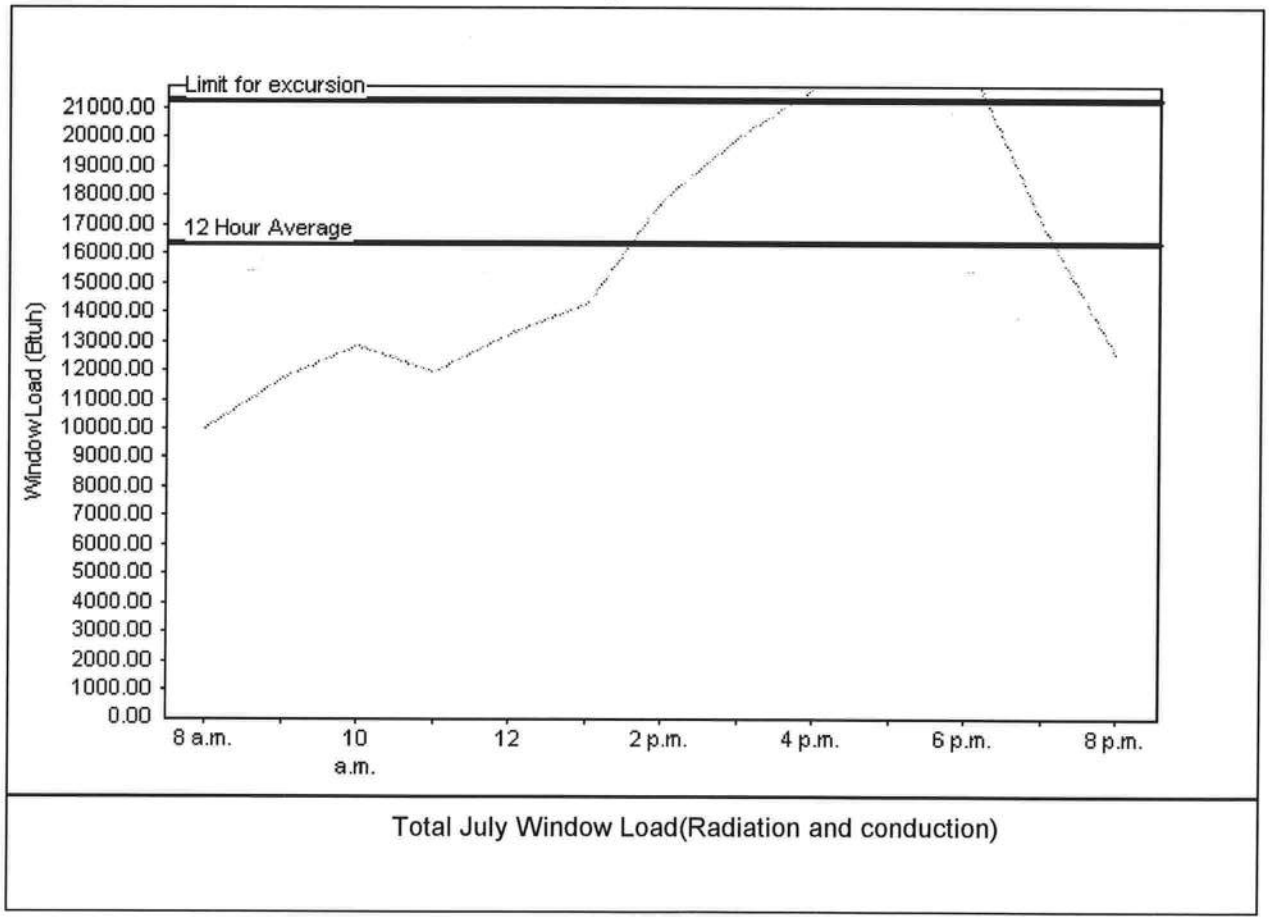
Class 3 Rating
Registration No. 0
Climate: North

11/8/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	16352 Btu
Summer setpoint	75 F	Peak window load for July	23138 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	21258 Btu
Latitude	29 North	Window excursion (July)	1880 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

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

EnergyGauge® System Sizing for Florida residences only
PREPARED BY:
DATE: 11-9-07

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

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

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

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

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

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

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

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

Floor Framing System:

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

Electrical layout including:

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

HVAC information

☐ ☐ a) Energy Calculations (dimensions shall match plans)
☐ ☐ b) Manual J sizing equipment or equivalent computation
☐ ☐ c) Gas System Type (LP or Natural) Location and BTU demand of equipment
☐ ☐ **Disclosure Statement for Owner Builders**
☐ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done**
☐ ☐ **Private Potable Water**

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)

4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is $50.00

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit ($25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver ($50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**

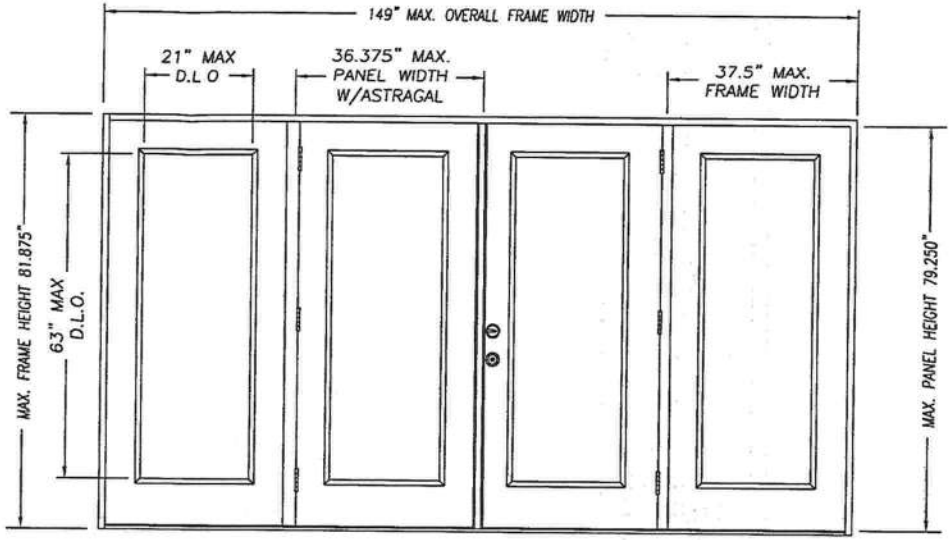
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

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

Florida Product approval #
4904.1

Masonite

SIDE-HINGED FIBERGLASS DOOR UNIT
6'-8" GLAZED DOUBLE DOOR WITH / WITHOUT SIDELITES



DOUBLE INSWING UNIT W/SIDELITES

GENERAL NOTES

1. EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, DOES NOT EXCEED THE DESIGN PRESSURES LISTED
2. HURRICANE PROTECTIVE SYSTEM (SHUTTERS) IS REQUIRED.
3. POLYURETHANE CORE FLAME SPREAD INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 60 PER ASTM E84 POLYSTYRENE CORE FLAME SPREAD INDEX OF 15 AND SMOKE DEVELOPED INDEX OF 115 PER ASTM E84.
4. PLASTICS TESTING OF FIBERGLASS FACING:

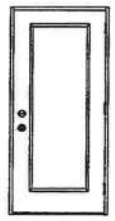
TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1929	803 °F > 650 °F
RATE OF BURNING	ASTM D635	0.79 IN/MIN
SMOKE DENSITY	ASTM D2843	48.9%
TENSILE STRENGTH*	ASTM D638	-7.3% DIFF

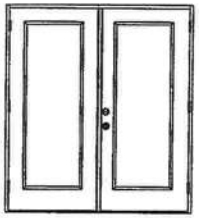
5. PLASTICS TESTING OF LITE FRAME MATERIAL:

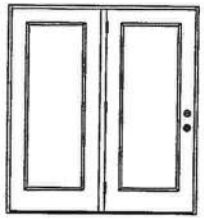
TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1929	680 °F > 650 °F
RATE OF BURNING	ASTM D635	1.10 IN/MIN
SMOKE DENSITY	ASTM D2843	69.6%
TENSILE STRENGTH*	ASTM D638	-7.48% DIFF

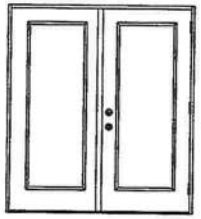
* COMPARATIVE TENSILE STRENGTH AFTER WEATHERING 4500 HOURS XENON ARC METHOD 1

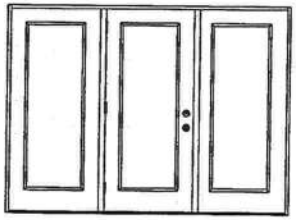
Addendum to NAMI
Certification No.: NI00606 3R
Reviewed By:
Date Reviewed: 7/18/05


SINGLE DOOR UNIT


DOUBLE DOOR UNIT


SINGLE DOOR UNIT WITH SIDELITE


SINGLE DOOR UNIT WITH SIDELITE


SINGLE DOOR UNIT W/SIDELITES

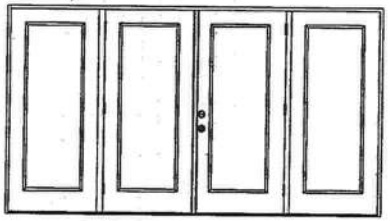

DOUBLE DOOR UNIT W/SIDELITES

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	ANCHORING LOCATIONS & DETAILS
3	ANCHORING LOCATIONS & DETAILS

CONFIG	MAX WIDTH	DESIGN PRESSURE RATING		WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE		
		INSWING	OUTSWING	INSWING	OUTSWING	OUTSWING*
X	37.5"	+52.0 / -52.0	+55.0 / -55.0	+19.0 / -19.0	+40.0 / -40.0	+55.0 / -55.0
XX	74"	+52.0 / -52.0	+55.0 / -55.0	+19.0 / -19.0	+40.0 / -40.0	+55.0 / -55.0
OX or XO	75"	+52.0 / -52.0	+55.0 / -55.0	+19.0 / -19.0	+40.0 / -40.0	+55.0 / -55.0
OXO	112.5"	+52.0 / -52.0	+55.0 / -55.0	+19.0 / -19.0	+40.0 / -40.0	+55.0 / -55.0
OXXO	149"	+52.0 / -52.0	+55.0 / -55.0	+19.0 / -19.0	+40.0 / -40.0	+55.0 / -55.0

* High Dam Threshold Design

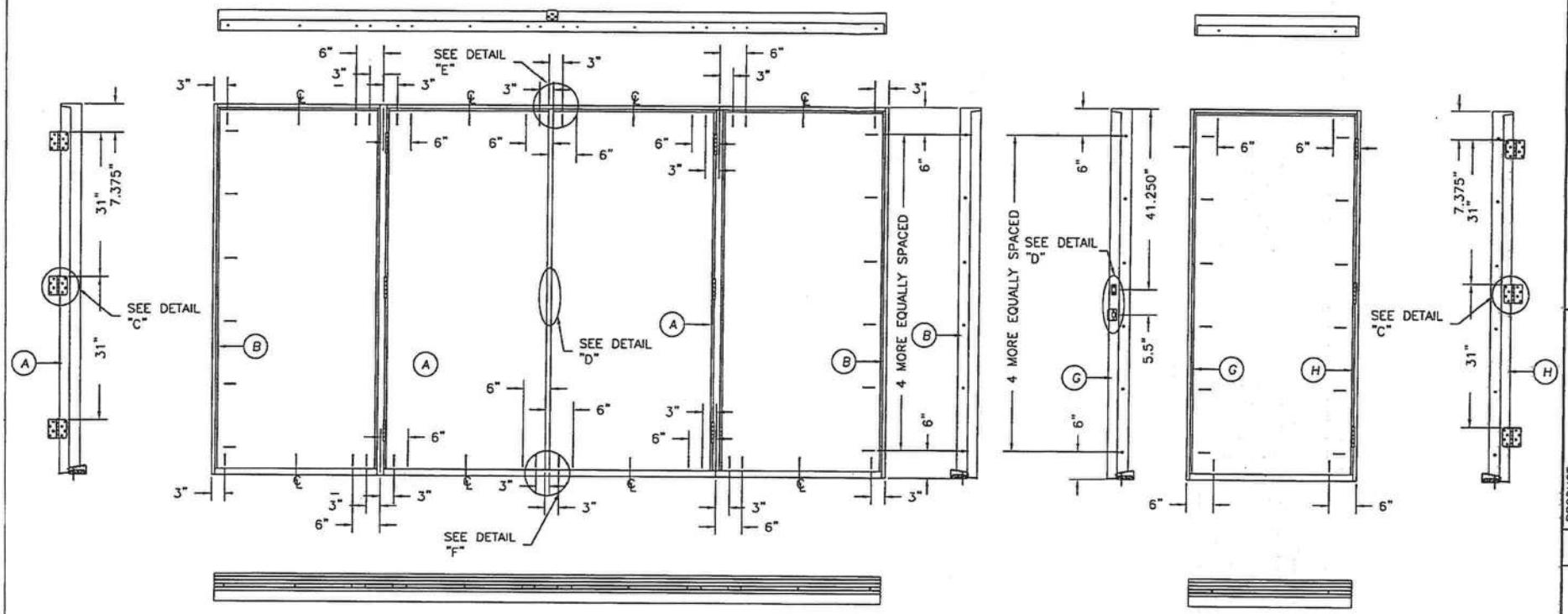
MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

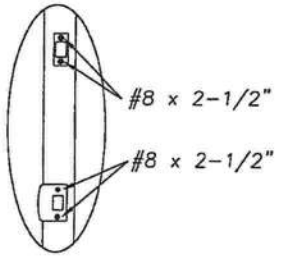
PRODUCT: "EXTERIOR DOOR PRODUCT" DOUBLE 6'8" GLAZED FIBERGLASS DOOR

PART OR ASSEMBLY: TYPICAL ELEVATIONS & GENERAL NOTES

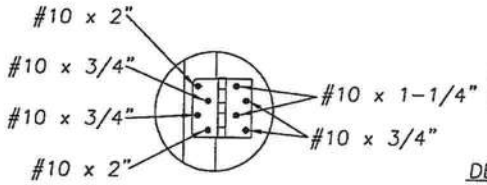
NO.	DATE	BY	REVISIONS

DATE: 5/25/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.: DWG-MA-FL0126-05
SHEET 1 OF 3

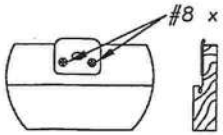




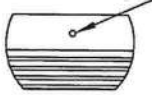
DETAIL "D"



DETAIL "C"

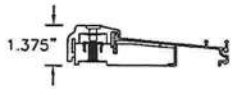


DETAIL "E" ASTRAGAL
ATTACH ASTRAGAL RETAINER BOLT STRIKE PLATE TO FRAME AS SHOWN.

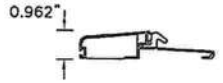


ASTRAGAL RETAINER BOLT HOLE MUST BE DRILLED THROUGH THE THRESHOLD & INTO THE STRUCTURE DEEP ENOUGH FOR A 1.375" THROW

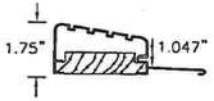
DETAIL "F" ASTRAGAL



INSWING THRESHOLD



OUTSWING THRESHOLD



HIGH DAM O/S THRESHOLD

Addendum to NAMI
Certification No.: NT.00606 3R
Reviewed By:
Date Reviewed: 7/18/05

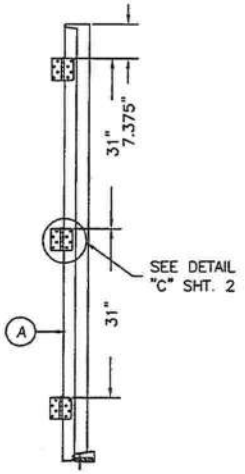
MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

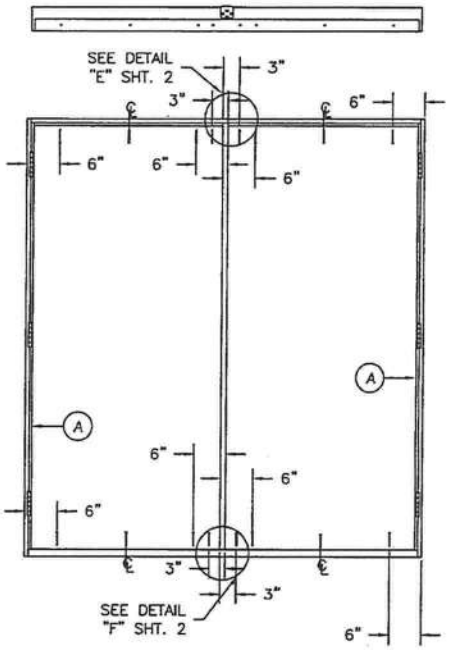
PRODUCT: "EXTERIOR DOOR PRODUCT" 6'-8" FIBERGLASS GLAZED DOUBLE DOOR UNIT

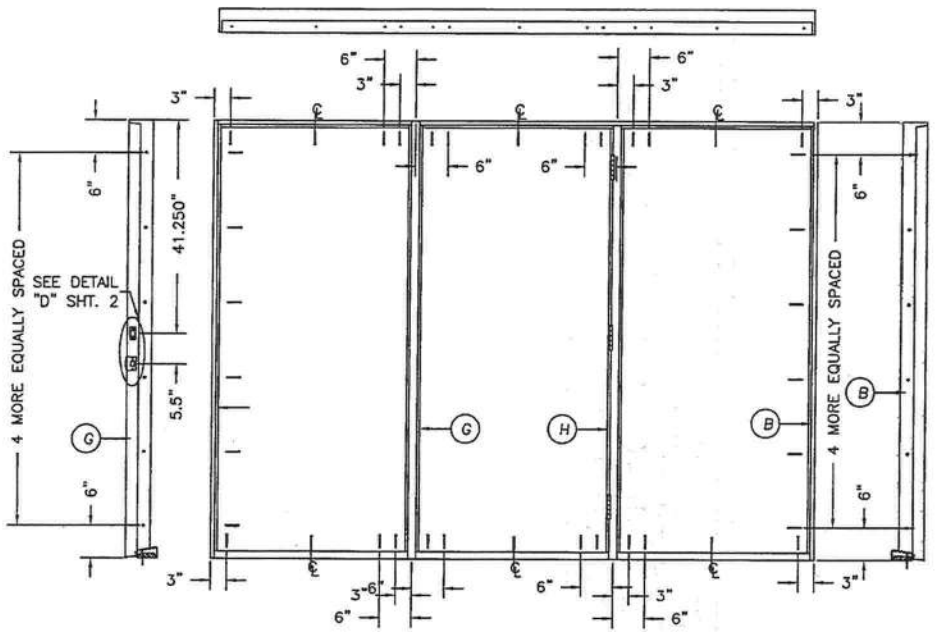
PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

NO.	DATE	BY	REVISIONS

DATE: 5/25/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.: DWG-MA-FL0126-05
SHEET 2 OF 3

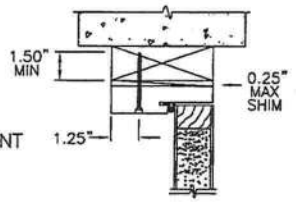






ATTACHMENT DETAIL

1. ANCHOR ANALYSIS FOR LOADING CONDITIONS PREPARED, SIGNED AND SEALED BY HAROLD E. RUPP, PE (FLORIDA #15935) WITH THE LOWEST (LEAST) FASTENER RATING FROM THE DIFFERENT FASTENERS BEING CONSIDERED FOR USE. JAMB, HEAD, AND THRESHOLD FASTENERS ANALYZED FOR THIS UNIT INCLUDE #10 WOOD SCREWS OR 3/16" TAPCONS. A PHYSICAL SHIM MUST BE PLACED IN SHIM SPACE AT EACH ANCHOR LOCATION.
2. THE WOOD SCREW SINGLE SHEAR DESIGN VALUES COME FROM ANSI/AF&PA NDA FOR SOUTHERN PINE LUMBER AND ACHEIVEMENT OF 1-1/2" MINIMUM EMBEDMENT. THE TAPCON MUST ACHIEVE MINIMUM EMBEDMENT OF 1-1/4".
3. WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE.
4. MINIMUM DESIGN VALUE STRENGTH OF ANCHORS 171 LBS.



TYPICAL
ANCHOR INSTALLATION

HARDWARE SCHEDULE

1.	KWIKSET OR SCHLEGE ANSI/BHMA GRADE 3 OR BETTER CYLINDRICAL AND DEADLOCK HARDWARE TO BE INSTALLED AT 5-1/2" CENTERLINE.
2.	4" X 4" FULL MORTISE BUTT HINGES.

Addendum to NAMI
Certification No.: NI-0060638
Reviewed By:
Date Reviewed: 7/18/05

MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

PRODUCT: "EXTERIOR DOOR PRODUCT" 6'-8" FIBERGLASS GLAZED DOUBLE DOOR UNIT

PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

NO.	DATE	BY
REVISIONS		

DATE: 5/25/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.: DWG-MA-FL0126-05
SHEET 3 OF 3

CAPITOL BetterBilt CAPITOL

Vinyl

INSTALLATION INSTRUCTIONS FOR NEW CONSTRUCTION VINYL FIN WINDOWS

READ THESE INSTRUCTIONS COMPLETELY BEFORE BEGINNING. Please inspect your MI Windows and Doors, Inc. product thoroughly before beginning installation. Inspect the opening and the product, and do not install if there is any observable damage or other irregularity. The product specification sheet and warranty include important information regarding your product and may include product-specific installation requirements (for example, types of fasteners to be used with impact resistant windows and limitations on the height at which the product may be installed); if you did not obtain copies please contact MI Windows and Doors, Inc. Local building codes may impose additional requirements, and those codes supercede these instructions.

FAILURE TO FOLLOW THESE INSTRUCTIONS, AND BUILDING CODE REQUIREMENTS, MAY AFFECT THE REMEDIES AVAILABLE UNDER YOUR WARRANTY.

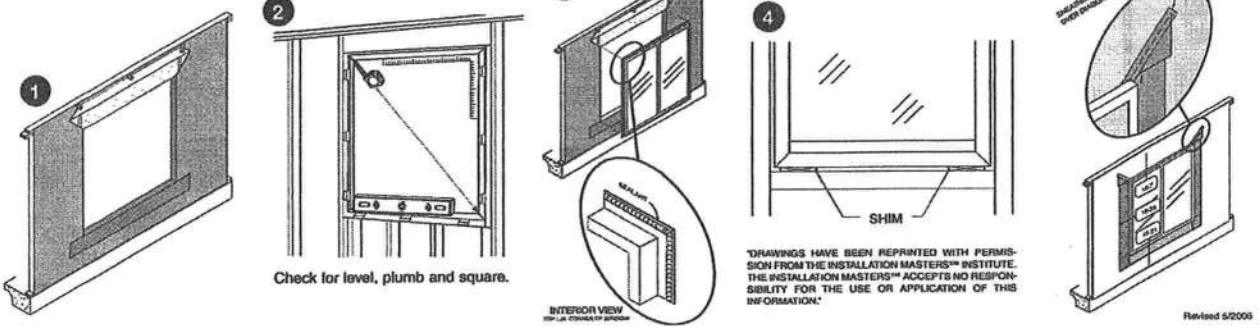
1. IF THE BUILDING HAS A WEATHER RESISTANT BARRIER (WRB) I.E. HOUSE WRAP, PREPARE THE OPENING ACCORDING TO WRB MANUFACTURER'S INSTRUCTIONS. AT EACH TOP CORNER MAKE A 45° CUT IN THE WRB. FOLD UP THE WRB SO THAT THE TOP NAIL FIN OF THE UNIT CAN BE INSTALLED UNDERNEATH IT. (See Figure 1 below) FLASHING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

CAUTION:

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

THESE INSTRUCTIONS ARE MINIMUM REQUIREMENTS ONLY, CHECK STATE AND LOCAL CODE RESTRICTIONS FOR ADDITIONAL COMPLIANCE ON INSTALLATION AND/OR FASTENING. IF UNIT HAS EXTERIOR TRIM (BRICKMOULD/J CHANNEL, ETC.) THE UNIT MUST BE SEALED BEHIND THE NAIL FIN, THE TRIM IS PROVIDED FOR AESTHETIC PURPOSES ONLY, AND NOT DESIGNED TO BE WATER TIGHT. INSTALLATION INTO MASONRY OR REPLACEMENT OPENINGS MUST BE SEALED TO THE OPENINGS USING AN APPROVED, PROPER METHOD. REFER TO AAMA 2400 AND/OR ASTM 2112 STANDARDS.

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



*DRAWINGS HAVE BEEN REPRINTED WITH PERMISSION FROM THE INSTALLATION MASTERS℠ INSTITUTE. THE INSTALLATION MASTERS℠ ACCEPTS NO RESPONSIBILITY FOR THE USE OR APPLICATION OF THIS INFORMATION."

Revised 5/2006

FLORIDA PRODUCT APPROVAL # 5438.7

Architectural Testing

Florida product approval #
5438.7

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

Rendered to:

MI WINDOWS AND DOORS, INC.

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

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

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

130 Derry Court
York, PA 17402-9405
phone: 717-764-7700
fax: 717-764-4129
www.archtest.com

Architectural Testing

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

Rendered to:

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

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

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

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

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

Test Specimen Description:

Series/Model: 3540

Product Type: PVC Triple Single Hung

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

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

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

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

Overall Area: 55.1 ft^2

130 Derry Court
York, PA 17402-9405
phone: 717-764-7700
fax: 717-764-4129
www.archtest.com

Test Specimen Description: (Continued)

Finish: All PVC was white.

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

Weatherstripping:

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

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

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

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

Test Specimen Description: (Continued)

Hardware:

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

Drainage:

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

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

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

Test Results: The results are tabulated as follows:

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

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

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.1.3	Water Resistance per ASTM E 547 (with and without screen)		See Note #2

***Note #2**: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance".*

2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the mullion) (Loads were held for 52 seconds)		
	35.0 psf (positive)	0.39"	See Note #3
	35.0 psf (negative)	0.54"	See Note #3

***Note #3**: The Uniform Load Deflection test is not a requirement of ANSI/AAMA/NWWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.*

2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the mullion) (Loads were held for 10 seconds)		
	52.5 psf (positive)	<0.01"	0.27" max.
	52.5 psf (negative)	0.07"	0.27" max.
2.2.6.1.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Interior meeting rail	0.13"/26%	0.50"/100%
	Bottom rail	0.11"/22%	0.50"/100%
	In remaining direction - 50 lbs		
	Left stile	0.09"/18%	0.50"/100%
	Right stile	0.10"/20%	0.50"/100%
2.1.7	Welded Corner Test	Meets as stated	Meets as stated

Test Results: (Continued)

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

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

For ARCHITECTURAL TESTING, INC:

Digitally Signed by: Jeramie D. Grabosch

Jeramie D. Grabosch
Technician

Digitally Signed by: Steven M. Urich

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

JDG:vlm

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
 Document ID:1TDT215-Z0302143945

Truss Fabricator:	W.B. Howland
Job Identification:	5025-/MIKE KUZNIK /HIGH SPRINGS CONST. -- , **
Truss Count:	40
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Versions 7.38, 7.37.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Seal Date: 01/02/2008

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

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-A11030EE-BRCLBSUB-CNBRGBLK-

#	Ref Description	Drawing#	Date
1	41109--1	08002057	01/02/08
2	41110--2	08002042	01/02/08
3	41111--3	08002058	01/02/08
4	41112--A1	08002083	01/02/08
5	41113--A2	08002059	01/02/08
6	41114--A3	08002060	01/02/08
7	41115--A4	08002061	01/02/08
8	41116--A5	08002062	01/02/08
9	41117--A6	08002063	01/02/08
10	41118--A7	08002064	01/02/08
11	41119--A8	08002065	01/02/08
12	41120--A9	08002066	01/02/08
13	41121--A10	08002067	01/02/08
14	41122--A11	08002068	01/02/08
15	41123--A12	08002069	01/02/08
16	41124--A13	08002043	01/02/08
17	41125--A14	08002080	01/02/08
18	41126--A15	08002044	01/02/08
19	41127--A16	08002045	01/02/08
20	41128--A17	08002046	01/02/08
21	41129--A18	08002047	01/02/08
22	41130--A19	08002070	01/02/08
23	41131--A20	08002048	01/02/08
24	41132--A21	08002049	01/02/08
25	41133--A22	08002071	01/02/08
26	41134--A23	08002050	01/02/08
27	41135--A24	08002051	01/02/08
28	41136--A25	08002072	01/02/08
29	41137--A26	08002073	01/02/08
30	41138--A27	08002074	01/02/08
31	41139--A28	08002075	01/02/08
32	41140--JC1	08002076	01/02/08
33	41141--JC3	08002052	01/02/08
34	41142--JC5	08002053	01/02/08
35	41143--JC7	08002054	01/02/08
36	41144--JE7	08002055	01/02/08

#	Ref Description	Drawing#	Date
37	41145--JE8	08002056	01/02/08
38	41146--JH10	08002077	01/02/08
39	41147--JH11	08002078	01/02/08
40	41148--JH11A	08002079	01/02/08

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
 Document ID:1TDT215-Z0302143945

Truss Fabricator:	W.B. Howland
Job Identification:	5025-/MIKE KUZNIK /HIGH SPRINGS CONST. -- , **
Truss Count:	1
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Versions 7.38, 7.37.
Structural Engineer of Record:	
Address:	
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

Seal Date: 01/02/2008

-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	41125--A14		08002080	01/02/08

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

Gable end supports 8" max rake overhang.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

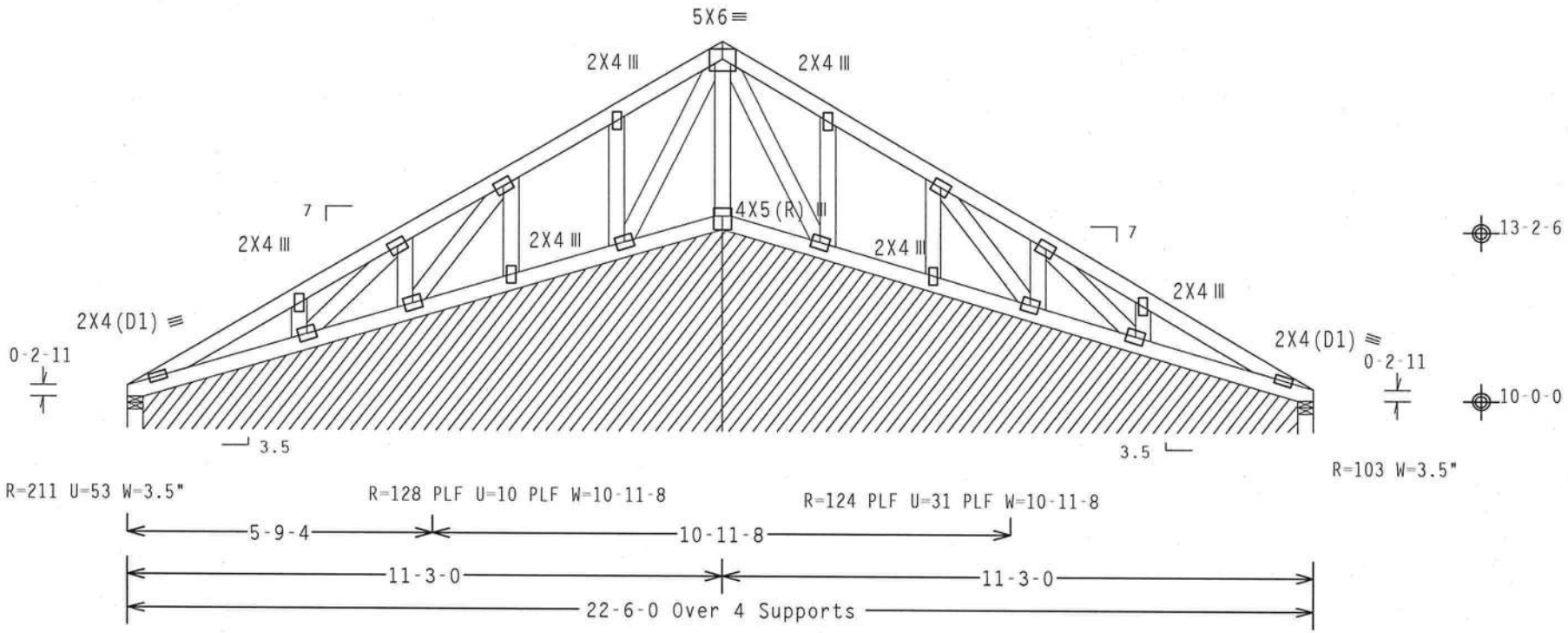
Shim all supports to solid bearing.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=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 6-9-7.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

ALPINE

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

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, 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 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.

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

Jan 02 '08

TC LL	20.0 PSF	REF R215-- 41109
TC DL	10.0 PSF	DATE 01/02/08
BC DL	10.0 PSF	DRW HCUSR215 08002057
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 84872
DUR.FAC.	1.25	FROM LRB
SPACING	SEE ABOVE	JREF- 1TDT215_Z03

Top chord 2x4 SP #2 N
Bot chord 2x4 SP SS :B2 2x4 SP #2 N:
Webs 2x4 SP #2 N :C1 2x6 SP SS:

End verticals not exposed to wind pressure.

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.

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

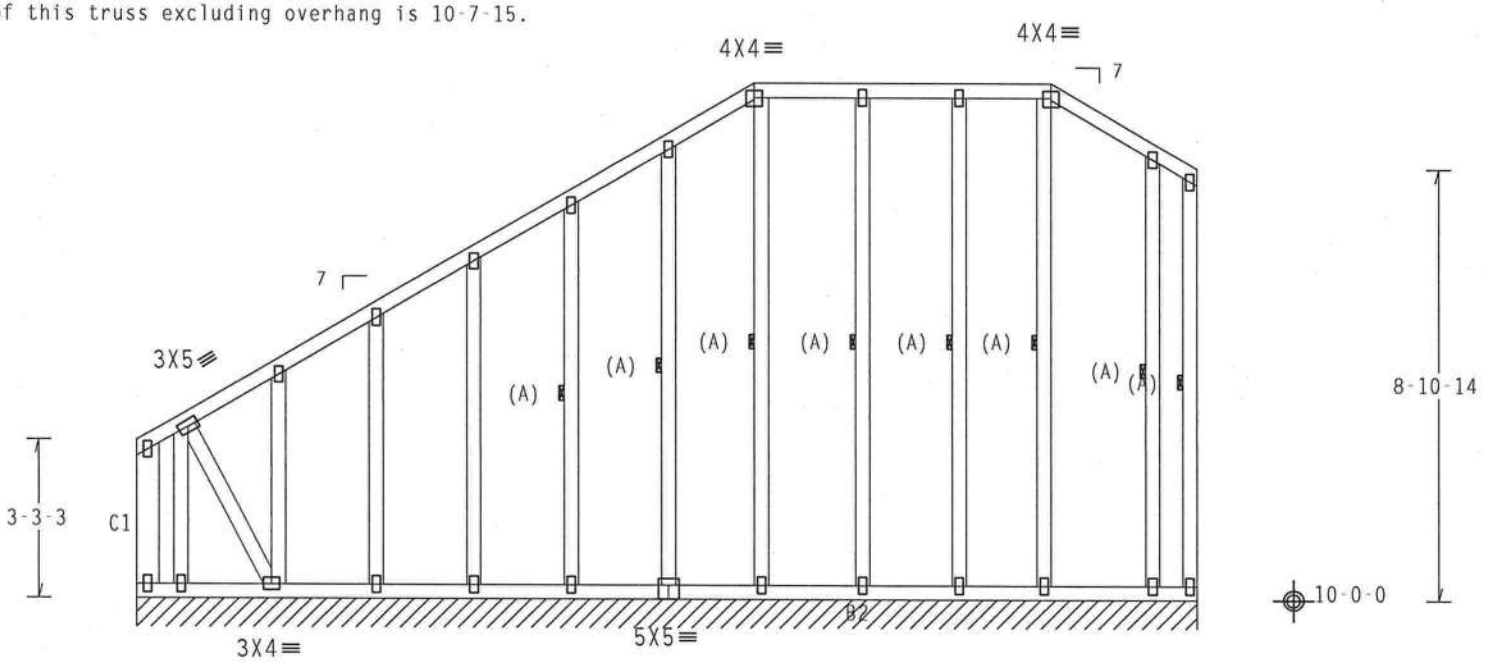
The overall height of this truss excluding overhang is 10-7-15.

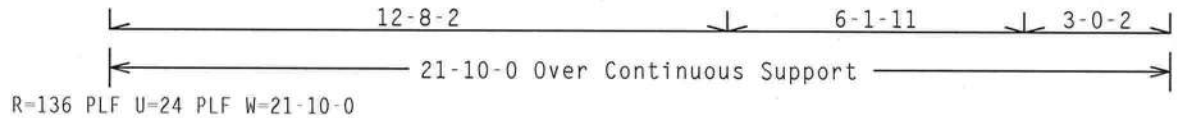
110 mph wind, 16.96 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWGS A11030EE0207 & GBLLETIN0207 for more requirements.

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.





R=136 PLF U=24 PLF W=21-10-0

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

ALPINE

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

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

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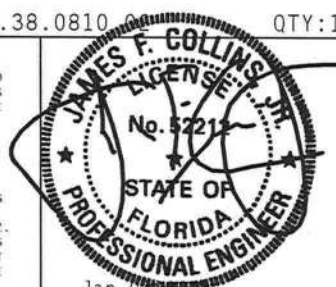


Jan 02 08

TC LL	20.0 PSF	REF	R215-- 41110
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002042
BC LL	0.0 PSF	HC-ENG	WHK/WHK *
TOT.LD.	40.0 PSF	SEQN-	84881
DUR.FAC.	1.25	FROM	LRB
SPACING	SEE ABOVE	JREF-	1TDT215_Z03

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

110 mph wind, 21.91 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

The overall height of this truss excluding overhang is 1-9-8.

REFER TO PIGBACKA0207 OR PIGBACKB0207 FOR PIGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C, UNLESS OTHERWISE SPECIFIED.

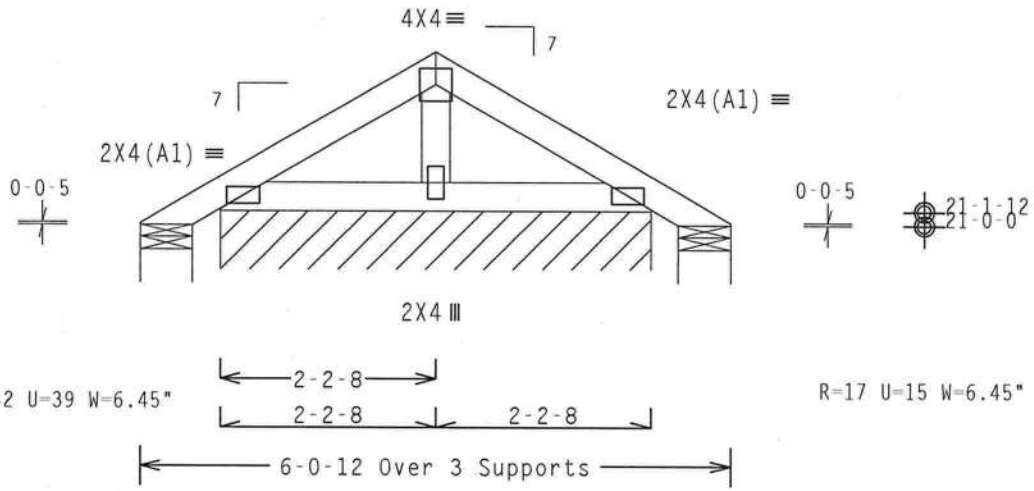
SPECIAL LOADS
-------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	63 PLF	at	-0.82	to	63 PLF	at 2.21
TC - From	63 PLF	at	2.21	to	63 PLF	at 5.24
BC - From	4 PLF	at	-0.82	to	4 PLF	at 5.24

Gable end supports 8" max rake overhang.

See DWGS A11030EE0207 & GBLLETIN0207 for more requirements.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE

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

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

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 02 08

TC LL	20.0 PSF	REF	R215-- 41111
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002058
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	84764
DUR.FAC.	1.25	FROM	LRB
SPACING	SEE ABOVE	JREF-	1TDT215_Z03

Top chord 2x6 SP #2 N :T1, T7 2x4 SP #2 N:
:T3, T6 2x4 SP SS:
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N

#1 hip supports 7-9-12 jacks at left end and 8-6-5 jacks at right end. Jacks have 2 panel TC and no end vertical.

Left side jacks have 7-9-12 setback with 0-0-0 cant and 1-4-0 overhang. End jacks have 7-9-12 setback with 0-0-0 cant and 1-4-0 overhang. Right side jacks have 8-6-5 setback with 0-0-0 cant and 1-4-0 overhang.

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

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

110 mph wind, 15.22 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

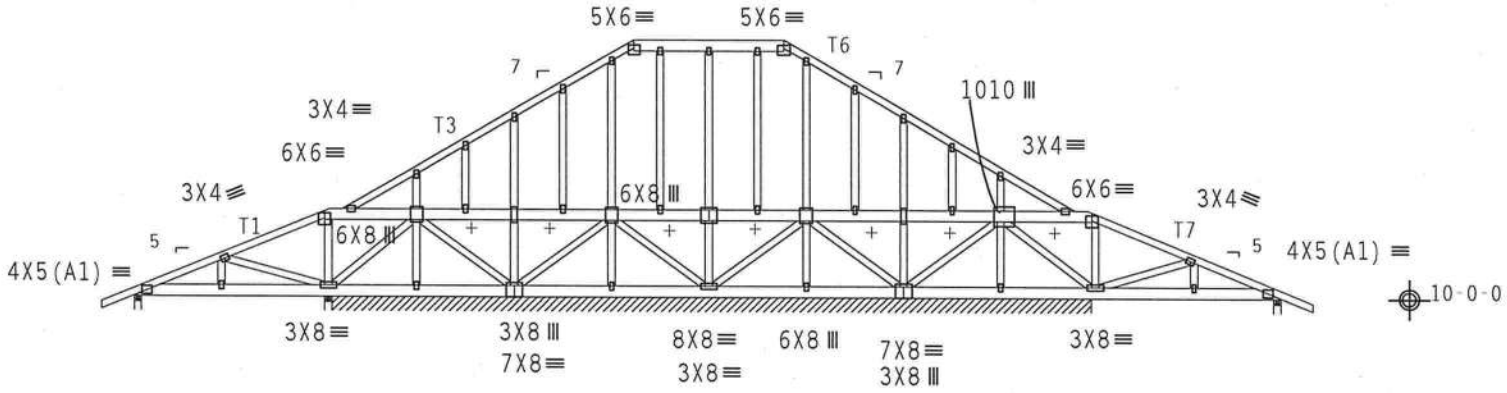
Wind reactions based on MWFRS pressures.

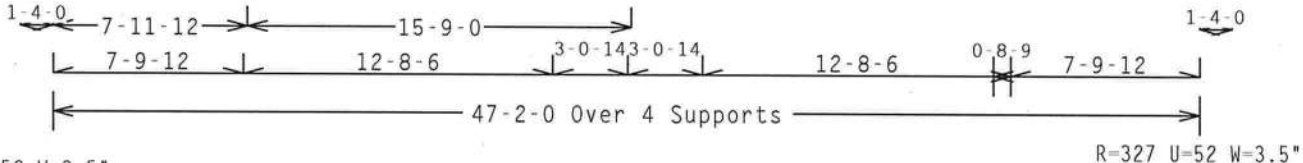
The overall height of this truss excluding overhang is 10-7-15.

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

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

SEE DWGS A11015EE0207, GBLLENTIN0207, & GBLBRSTD0207 FOR ADDITIONAL REQUIREMENTS.





R=338 U=52 W=3.5"

R=1446 U=165 W=3.5"

R=212 PLF U=19 PLF W=31-2-8

R=327 U=52 W=3.5"

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.38.0810.02 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

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

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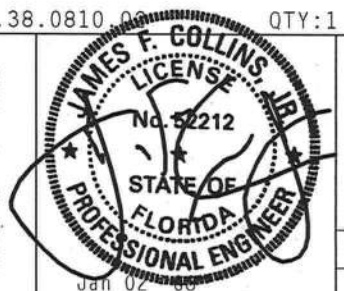


Jan 02 08

TC LL	20.0 PSF	REF	R215-- 41112
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002083
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	84863
DUR.FAC.	1.25	FROM	LRB
SPACING	SEE ABOVE	JREF-	1TDT215_Z03

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

110 mph wind, 21.91 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 1-9-8.

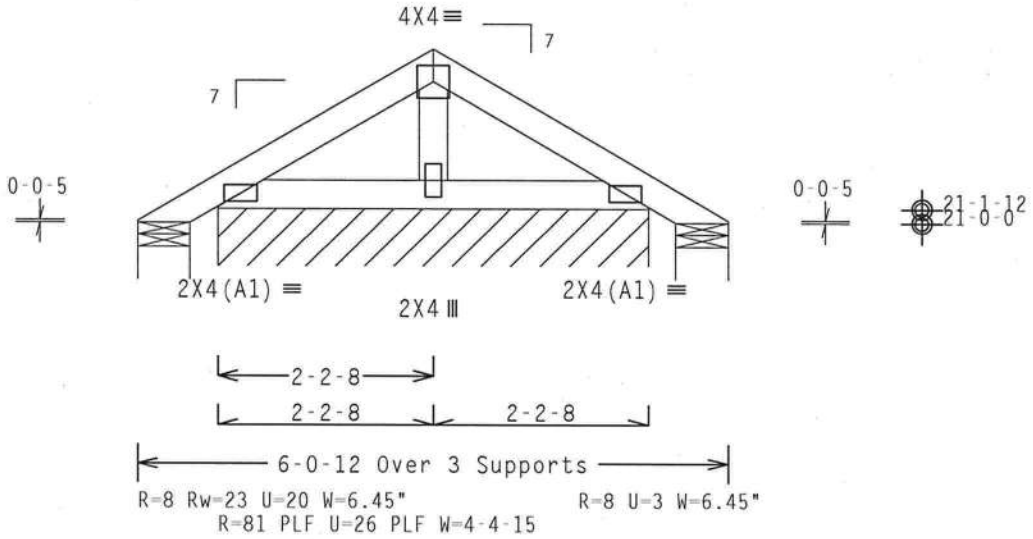
REFER TO PIGBACKA0207 OR PIGBACKB0207 FOR PIGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C, UNLESS OTHERWISE SPECIFIED.

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

TC - From	63 PLF	at	-0.82	to	63 PLF	at 2.21
TC - From	63 PLF	at	2.21	to	63 PLF	at 5.24
BC - From	4 PLF	at	-0.82	to	4 PLF	at 5.24

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/0(0) | 7.38.0810.03 | QTY:1 | FL/-/5/-/-/R/- | Scale =.5"/Ft.

ALPINE

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

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JAMES F. COLLINS JR. LICENSED No 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 02,2008

TC LL	20.0 PSF	REF	R215-- 41113
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002059
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	84779
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

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

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

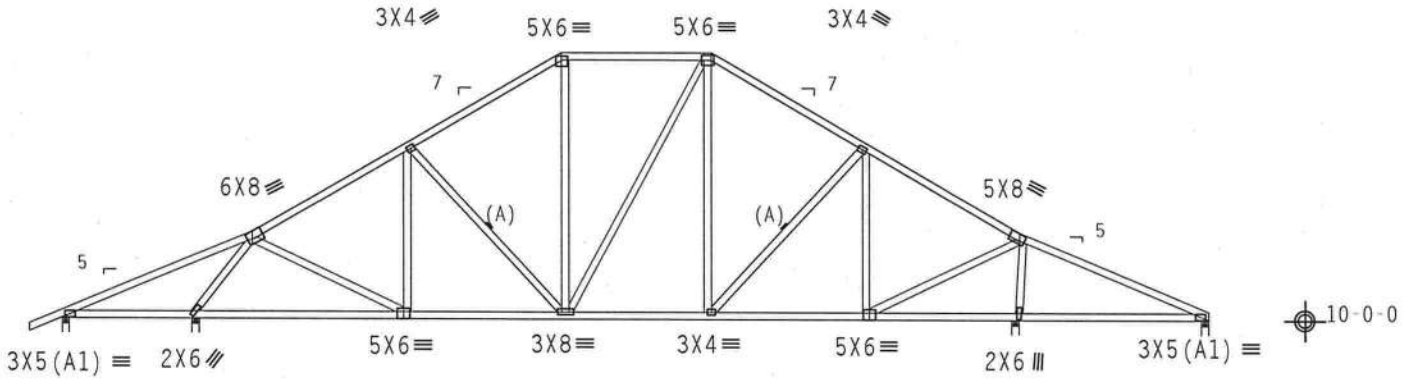
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

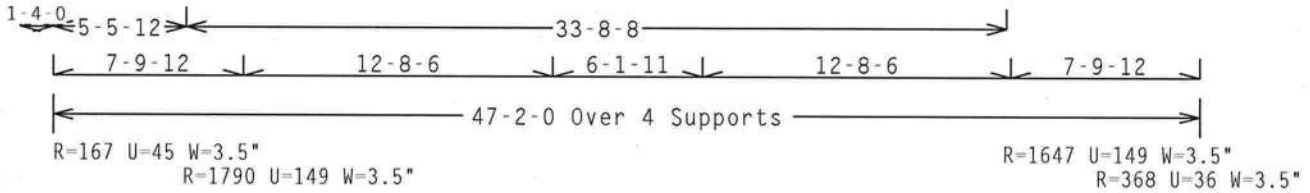
110 mph wind, 15.39 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.38.0810.02 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

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

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 02,2008

TC LL	20.0 PSF	REF	R215-- 41114
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002060
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	84724
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

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

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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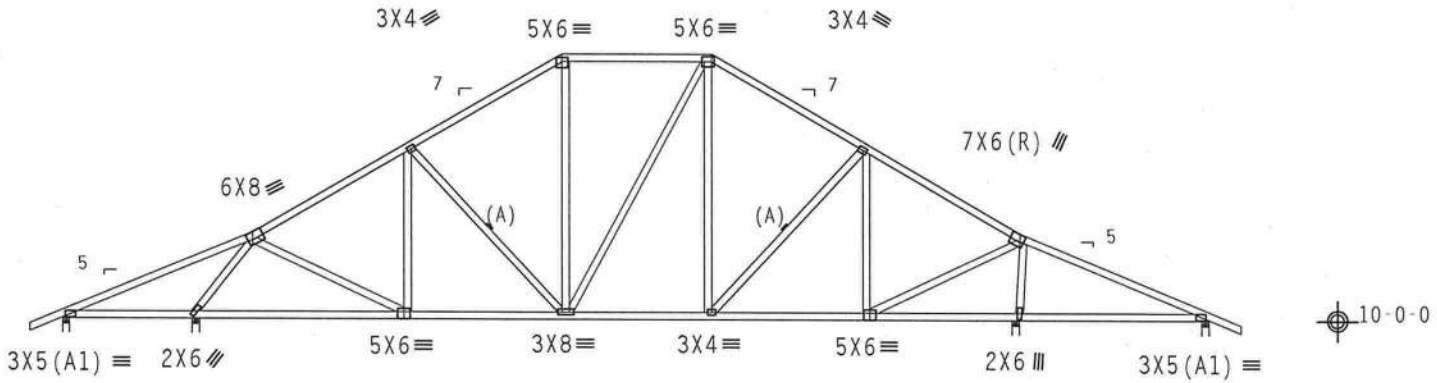
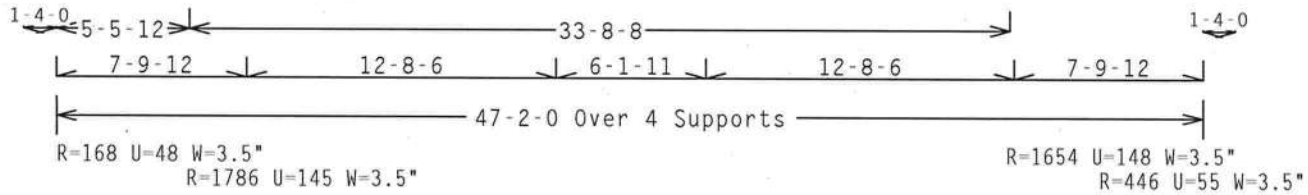
110 mph wind, 15.39 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:2 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

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

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Jan 02 08

TC LL	20.0 PSF	REF	R215-- 41115
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002061
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	84726
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

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

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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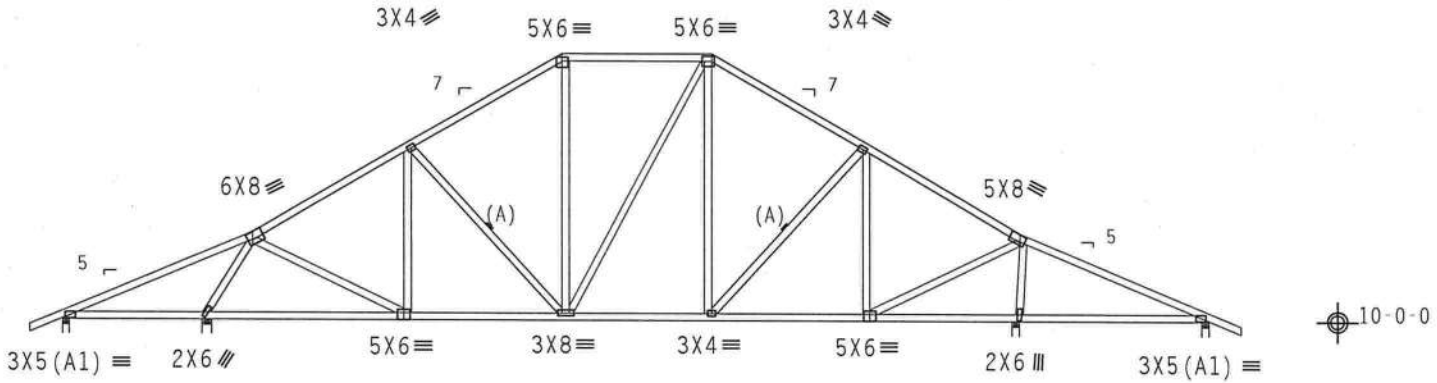
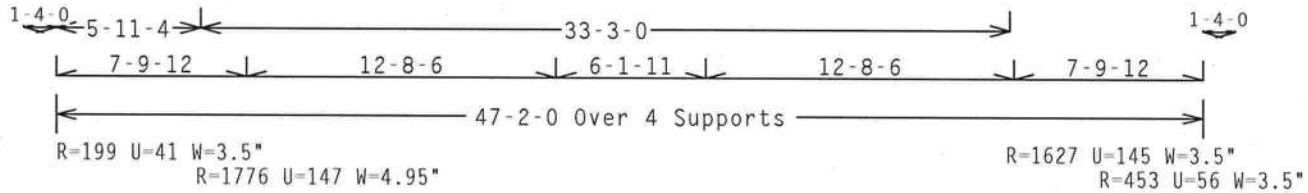
Wind reactions based on MWFRS pressures.

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

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.38.0810 P2 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

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

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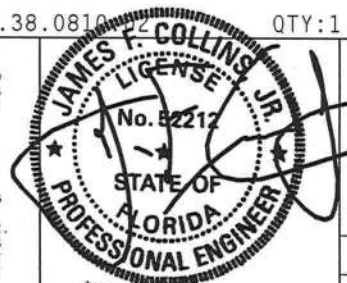

Jan 02 08

TC LL	20.0 PSF	REF	R215-- 41116
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002062
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	84728
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

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

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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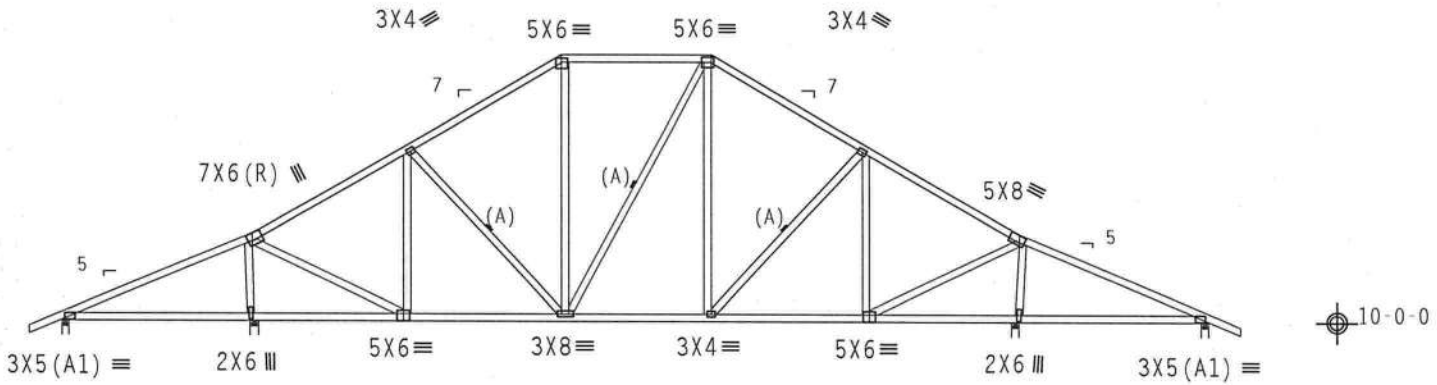
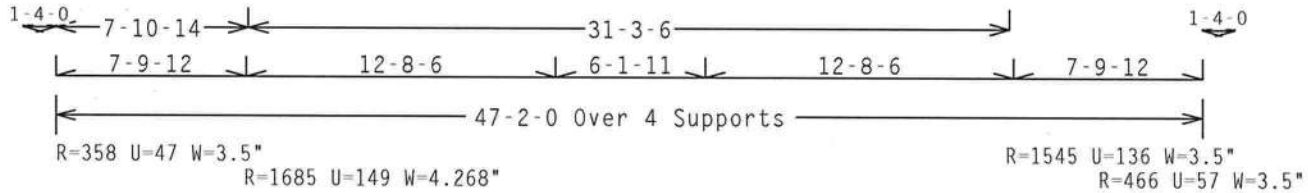
110 mph wind, 15.39 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/0(0) | 7.38.0810.03 | QTY:1 | FL/-/5/-/-/R/- | Scale =.125"/Ft.

ALPINE

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Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan

TC LL	20.0 PSF	REF	R215-- 41117
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002063
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	84730
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

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

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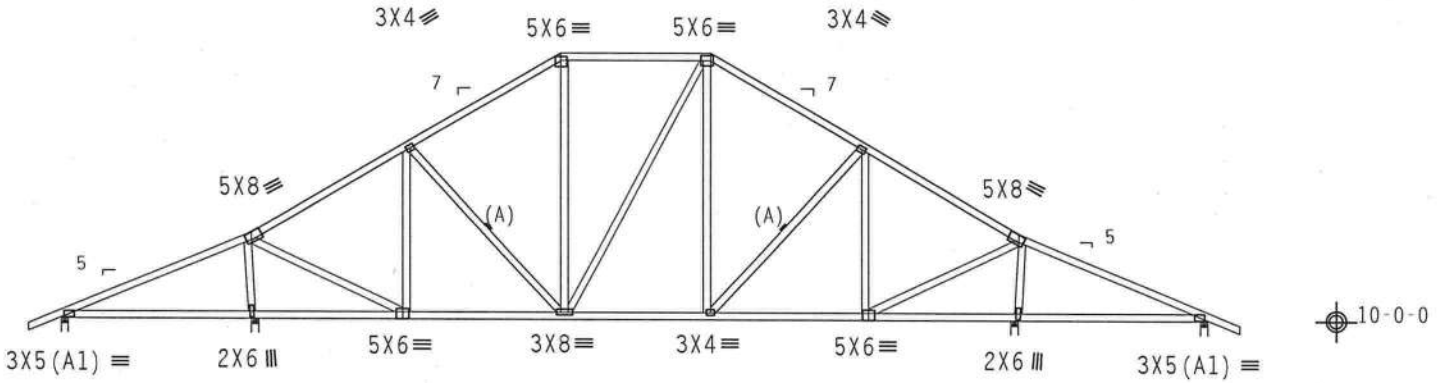
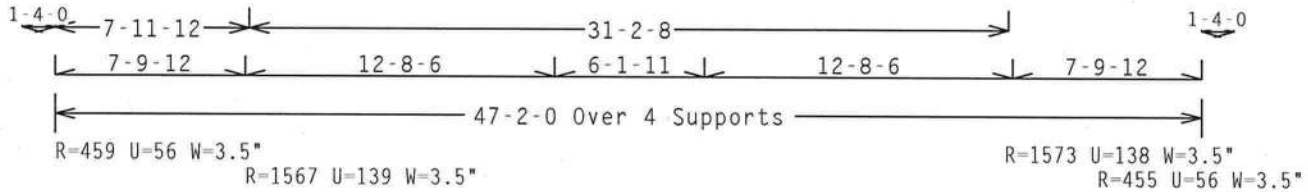
Deflection meets L/240 live and L/180 total load.

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.38.0810.00 QTY:9 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

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

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

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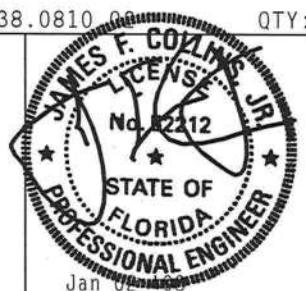


Jan 02,2008

TC LL	20.0 PSF	REF	R215-- 41118
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002064
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	84717
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

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

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

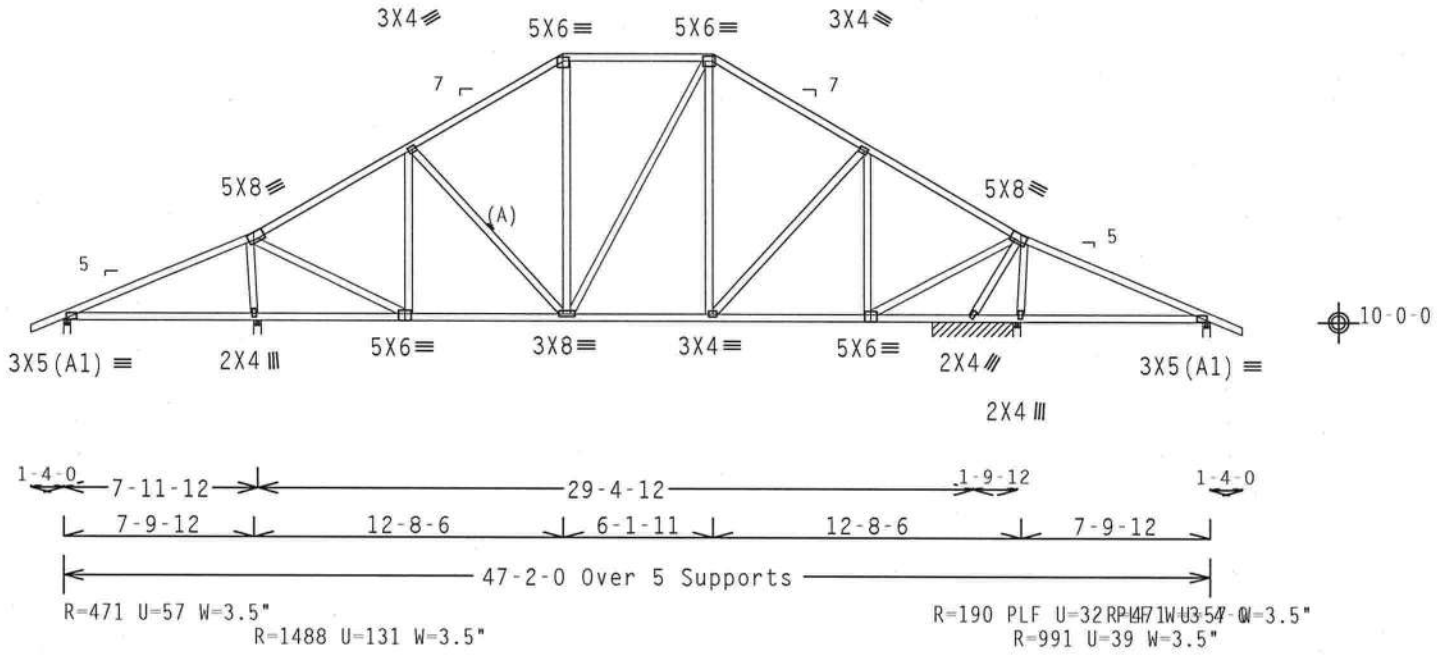
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

110 mph wind, 15.39 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.38.0810.02 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

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

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

Jan

TC LL	20.0 PSF	REF R215-- 41119
TC DL	10.0 PSF	DATE 01/02/08
BC DL	10.0 PSF	DRW HCUSR215 08002065
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 84732
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TDT215_Z03

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N :W9 2x4 SP #2 Dense:

(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 11-0-0.

110 mph wind, 15.39 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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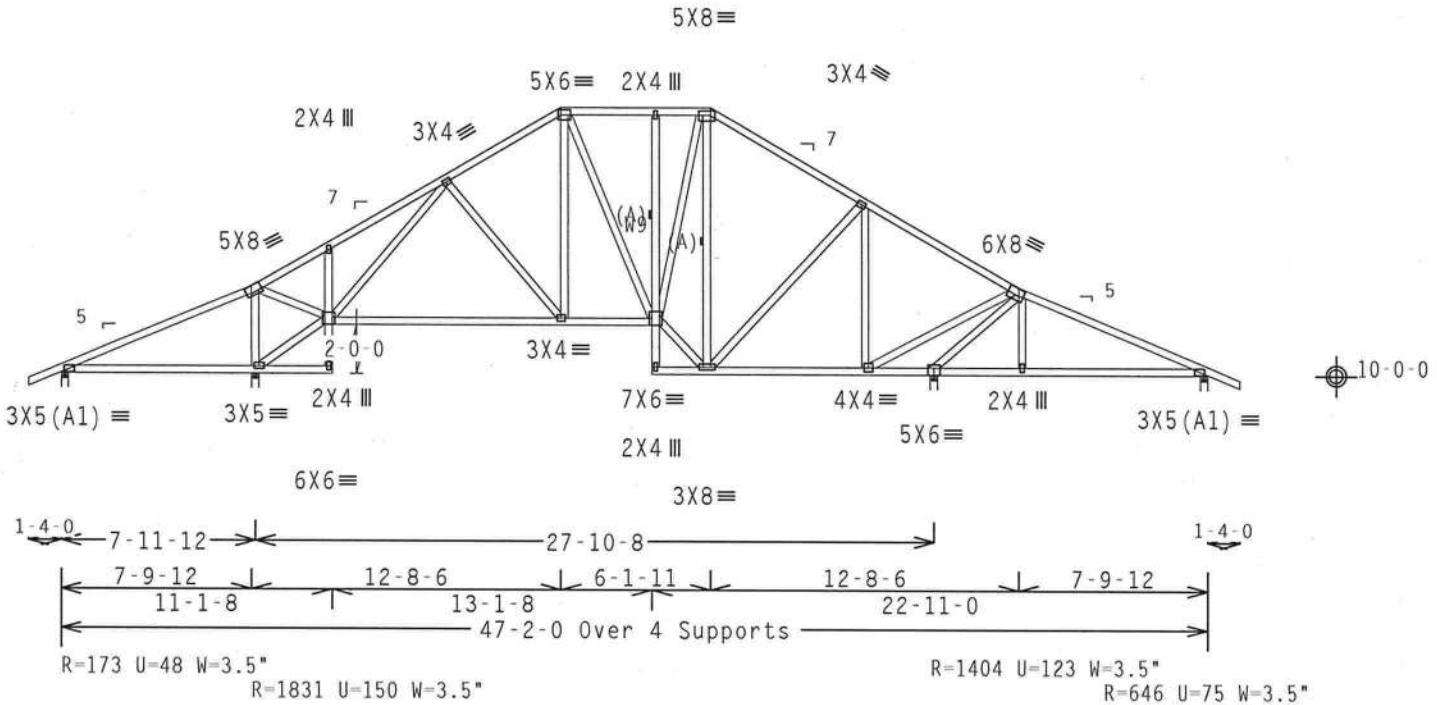

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810.02 QTY:3 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

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

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

TC LL	20.0 PSF	REF	R215-- 41120
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002066
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	84800
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N :W9 2x4 SP #2 Dense:

(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 11-0-0.

110 mph wind, 15.39 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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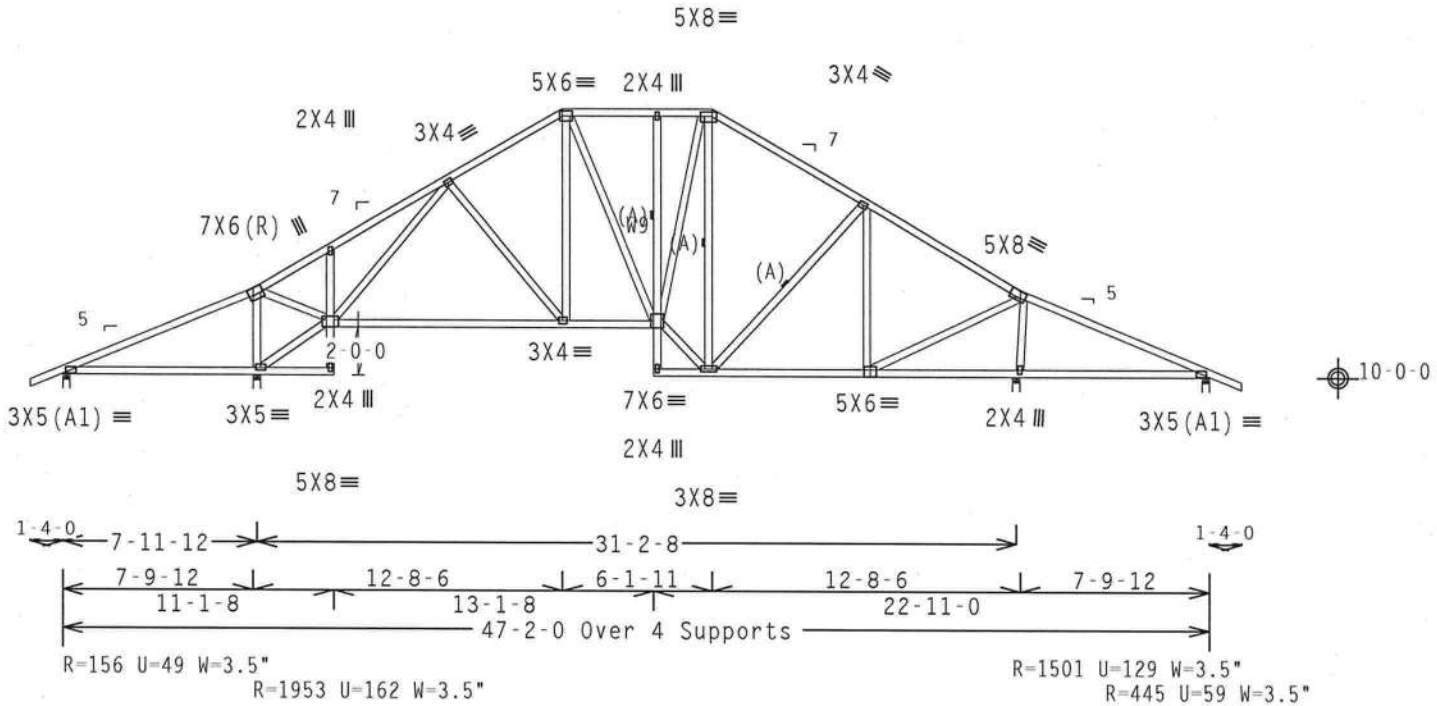

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:3 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

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

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

Jan 02 08

TC LL	20.0 PSF	REF R215-- 41121
TC DL	10.0 PSF	DATE 01/02/08
BC DL	10.0 PSF	DRW HCUSR215 08002067
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 84793
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TDT215_Z03

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

110 mph wind, 21.91 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 1-9-8.

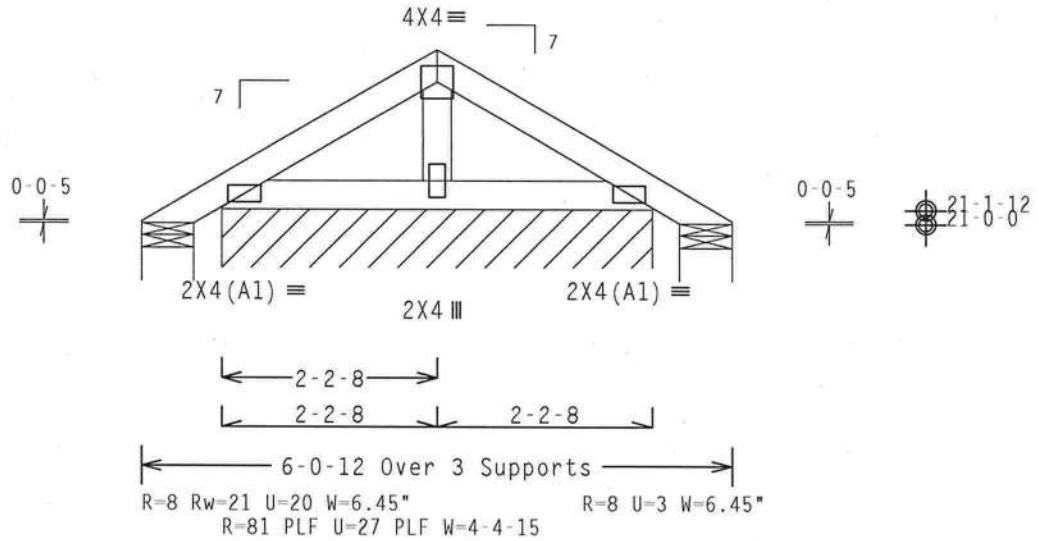
REFER TO PIGBACKA0207 OR PIGBACKB0207 FOR PIGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C, UNLESS OTHERWISE SPECIFIED.

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

TC - From	63 PLF	at	-0.82	to	63 PLF	at 2.21
TC - From	63 PLF	at	2.21	to	63 PLF	at 5.24
BC - From	4 PLF	at	-0.82	to	4 PLF	at 5.24

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

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.38.0810.02

PLT TYP. Wave

QTY:26 FL/-/5/-/-/R/-

Scale =.5"/Ft.

ALPINE

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

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JAMES F. COLLINS, P.E. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan

TC LL	20.0	PSF	REF R215-- 41122
TC DL	10.0	PSF	DATE 01/02/08
BC DL	10.0	PSF	DRW HCUSR215 08002068
BC LL	0.0	PSF	HC-ENG WHK/WHK
TOT.LD.	40.0	PSF	SEQN- 84753
DUR.FAC.	1.25		FROM LRB
SPACING	24.0"		JREF- 1TDT215_Z03

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 22.50
BC - From 20 PLF at 0.00 to 20 PLF at 22.50
BC - 950 LB Conc. Load at 0.44
BC - 917 LB Conc. Load at 2.44
BC - 921 LB Conc. Load at 4.44
BC - 908 LB Conc. Load at 6.44, 8.44, 10.44, 12.44, 14.44 16.44, 18.44, 20.44

110 mph wind, 19.10 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18
1-4-0 overhang.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

The overall height of this truss excluding overhang is 9-1-3.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Bearing blocks: Nail type: 0.131"x3"_Gun_nails

BRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
1	0.000'	1	12"	4	Rigid Surface

Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK0207 for additional information.

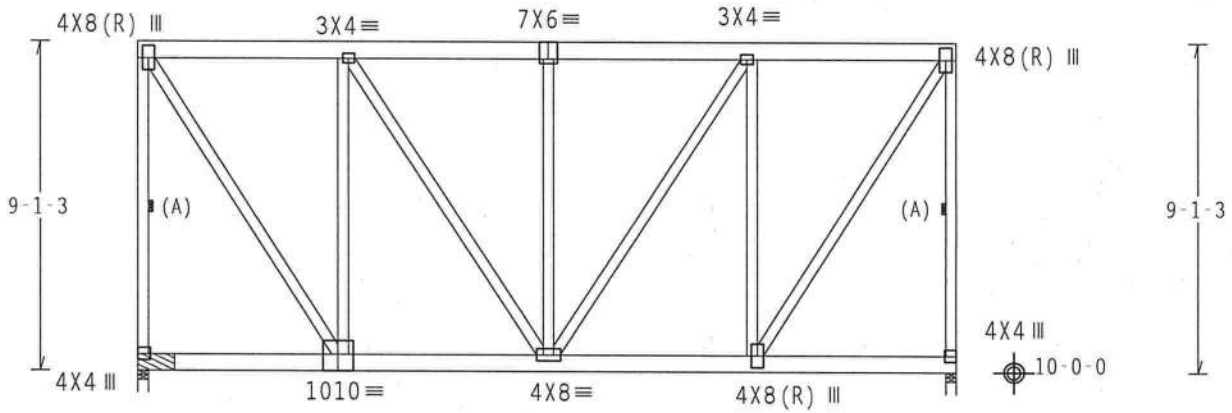
Wind reactions based on MWFRS pressures.

End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

Truss must be installed as shown with top chord up.



R=6313 U=937 W=3.5"

R=5537 U=878 W=3.5"

22-6-0 Over 2 Supports

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.38.0810 [illegible] QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

PLT TYP. Wave

ALPINE

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

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JAMES F. COLLINS JR LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 02 08

TC LL	20.0 PSF	REF	R215-- 41123
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002069
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	84837
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

(5025-/MIKE KUZNIK /HIGH SPRINGS CONST. -- , ** - A13)

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

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

End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

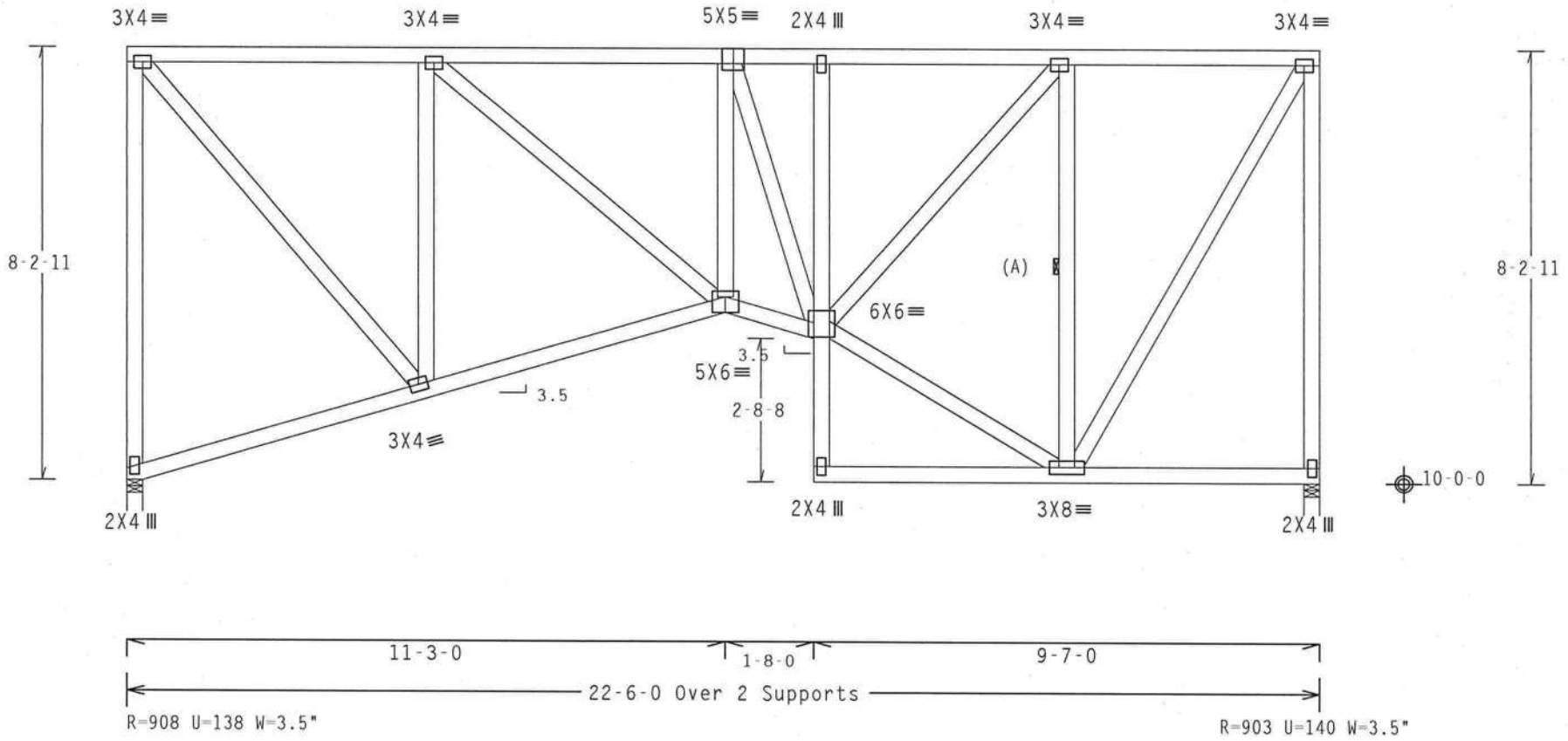
The overall height of this truss excluding overhang is 8-2-11.

110 mph wind, 18.22 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.

Provide for complete drainage of roof.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.38.0810 02 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

ALPINE

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

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

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 02 08

TC LL	20.0 PSF	REF	R215-- 41124
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002043
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	84745
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

(5025-/MIKE KUZNIK /HIGH SPRINGS CONST. -- , ** - A14)

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

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

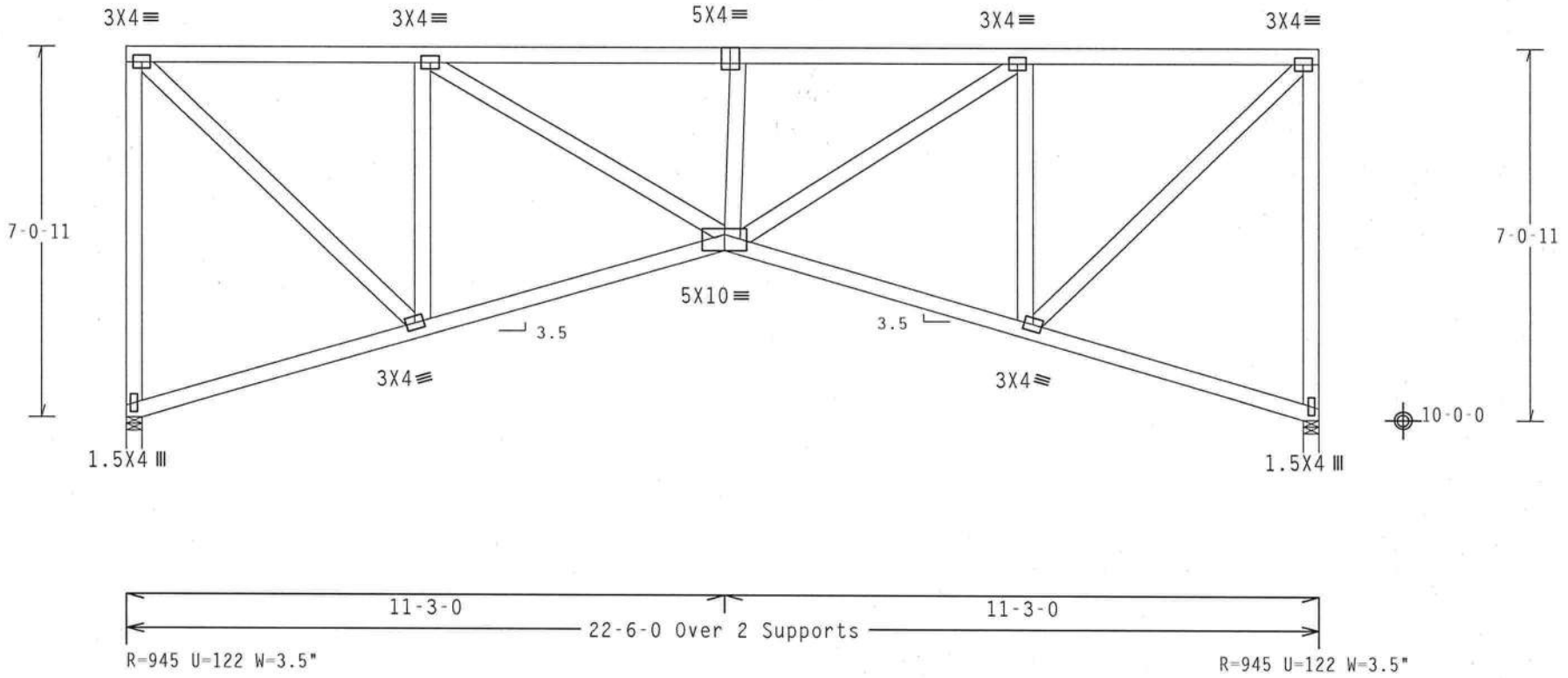
110 mph wind, 17.06 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

End verticals not exposed to wind pressure.

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

Provide for complete drainage of roof.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.37.0521 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

ALPINE

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

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JAMES F. COLLINS, JR. LICENSE No. 52272 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 02 08

TC LL	20.0 PSF	REF R215-- 41125
TC DL	10.0 PSF	DATE 01/02/08
BC DL	10.0 PSF	DRW HCUSR215 08002080
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 11184 REV
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TDT215_Z03

(5025-/MIKE KUZNIK /HIGH SPRINGS CONST. -- , ** - A15)

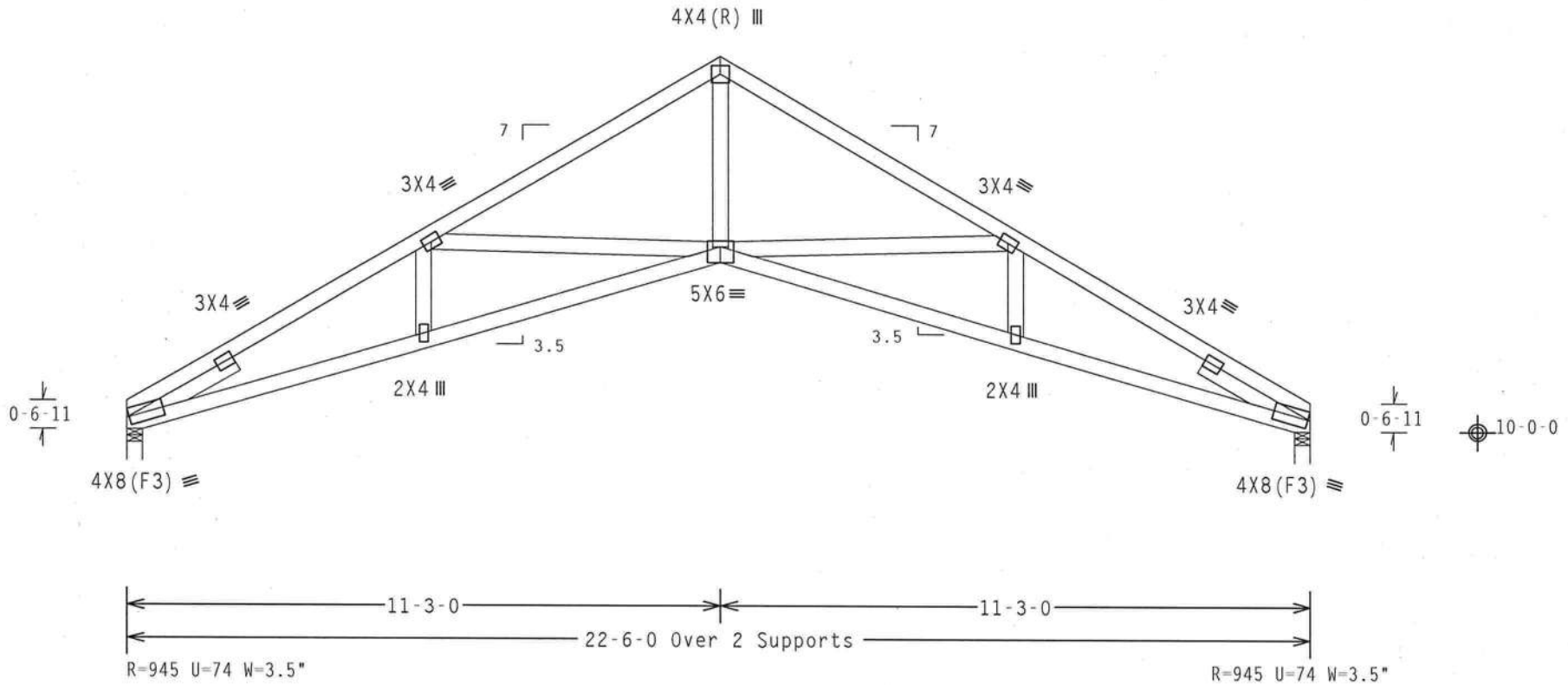
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 2.322'
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 2.322'

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

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

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 7-1-7.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810.03 QTY:2 FL/-/5/-/-/R/- Scale =.3125"/Ft.

ALPINE

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

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

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan [illegible]

TC LL	20.0 PSF	REF	R215-- 41126
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002044
BC LL	0.0 PSF	HC-ENG	WHK/WHK *
TOT.LD.	40.0 PSF	SEQN-	84749
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

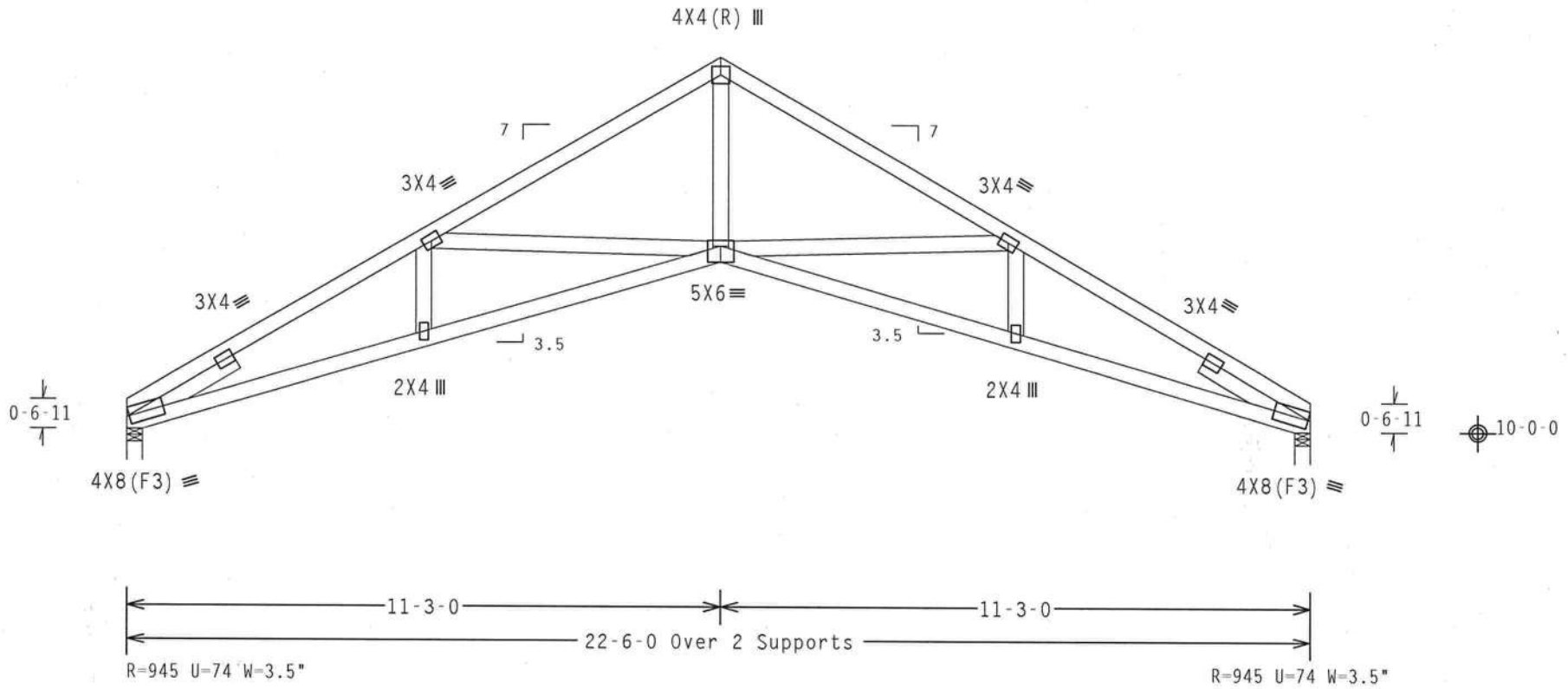
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 2.322'
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 2.322'

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

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

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 7-1-7.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.38.0810

PLT TYP. Wave

QTY:4 FL/-/5/-/-/R/- Scale =.3125"/Ft.

ALPINE

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

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

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JAMES F. COLIANNI JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 02 '08

TC LL	20.0 PSF	REF R215-- 41127
TC DL	10.0 PSF	DATE 01/02/08
BC DL	10.0 PSF	DRW HCUSR215 08002045
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 84751
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TDT215_Z03

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

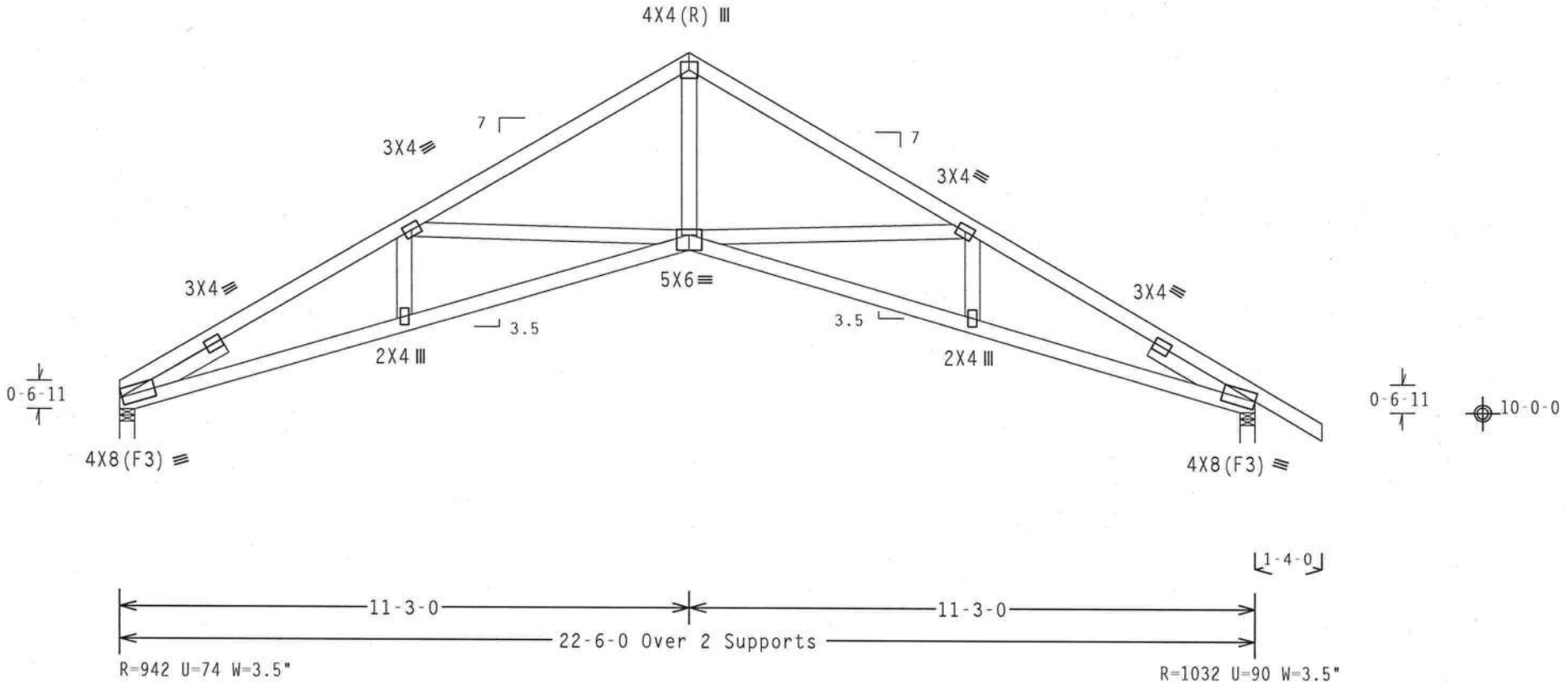
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 2.322'
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 2.322'

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

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

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 7-1-7.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.38.0810.02

PLT TYP. Wave

QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

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

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

Jall

TC LL	20.0 PSF	REF R215-- 41128
TC DL	10.0 PSF	DATE 01/02/08
BC DL	10.0 PSF	DRW HCUSR215 08002046
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 84719
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TDT215_Z03

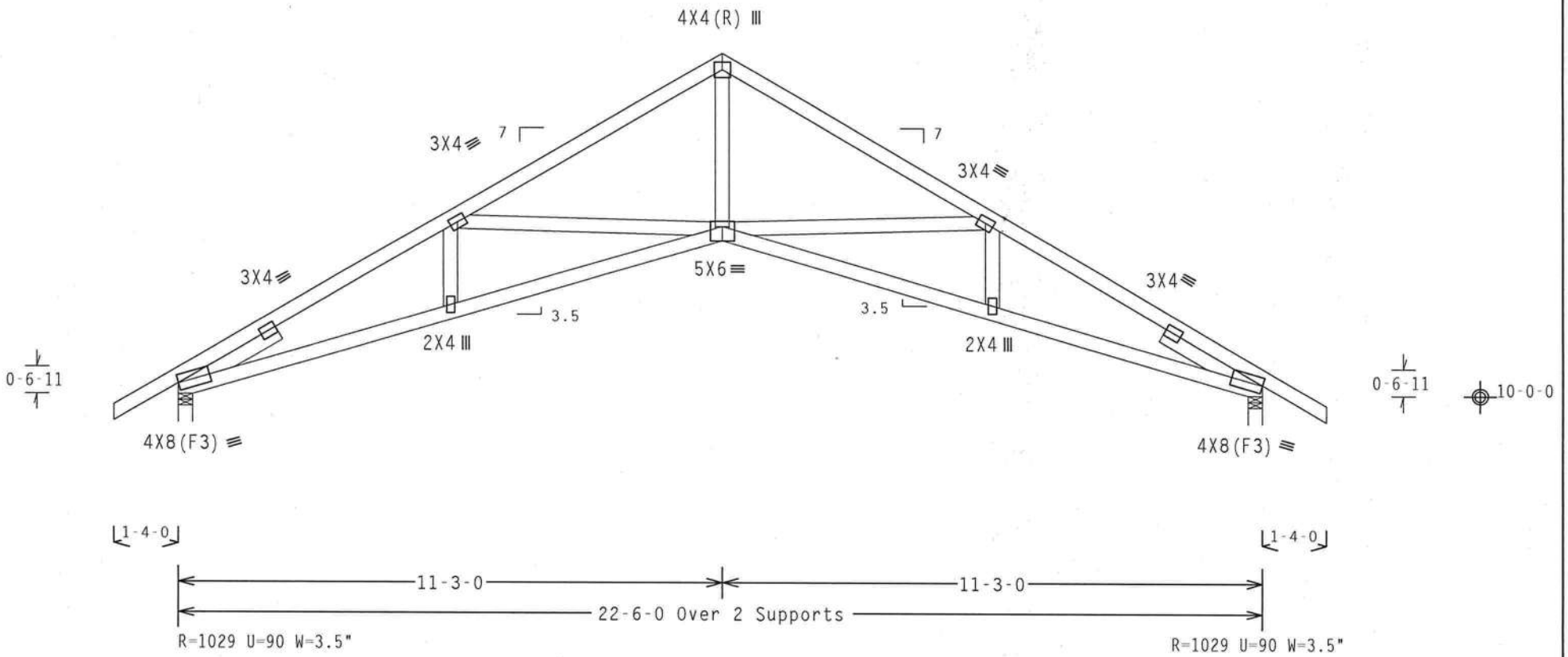
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 2.322'
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 2.322'

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

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

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 7-1-7.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

ALPINE

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 02 '08

TC LL	20.0 PSF	REF	R215-- 41129
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002047
BC LL	0.0 PSF	HC-ENG	WHK/WHK *
TOT.LD.	40.0 PSF	SEQN-	84721
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

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

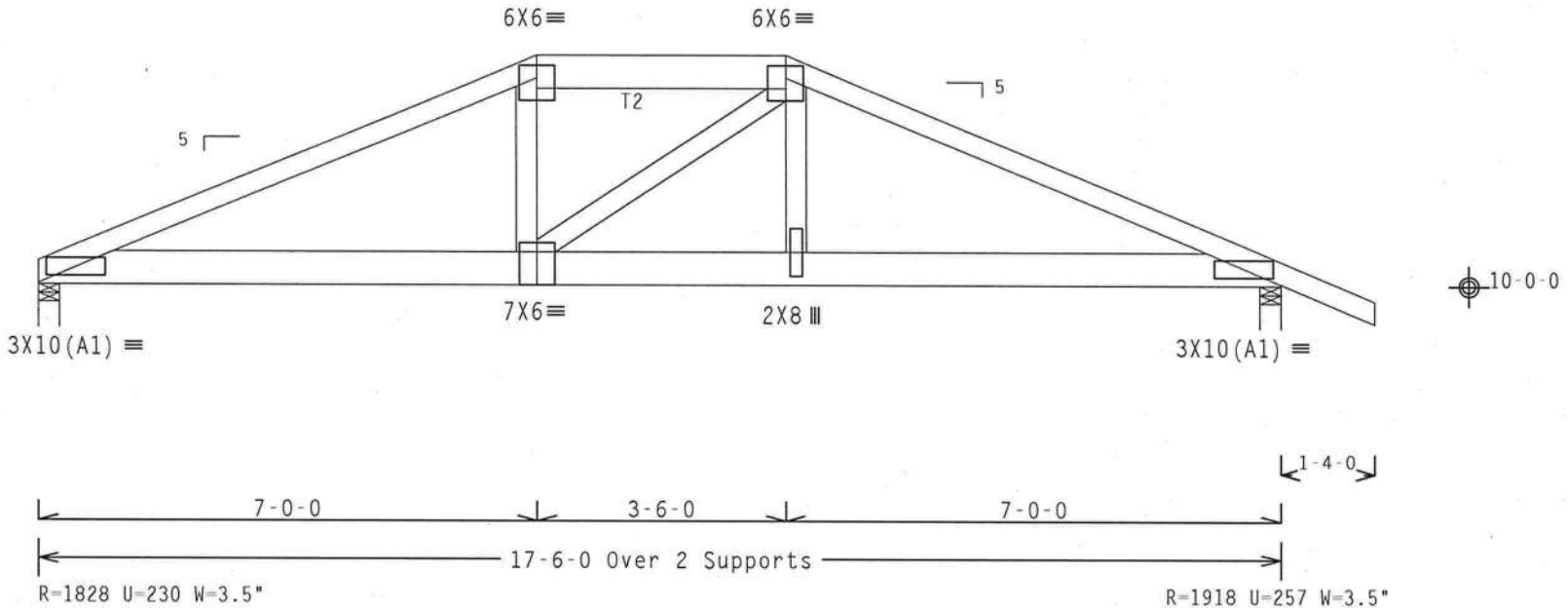
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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 10.50
TC - From 62 PLF at 10.50 to 62 PLF at 18.83
BC - From 20 PLF at 0.00 to 20 PLF at 17.50
TC - 186 LB Conc. Load at 7.06, 8.75, 10.44
BC - 796 LB Conc. Load at 7.00, 10.50
BC - 84 LB Conc. Load at 8.75

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

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

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 02 08

TC LL	20.0 PSF	REF	R215-- 41130
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002070
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	84768
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

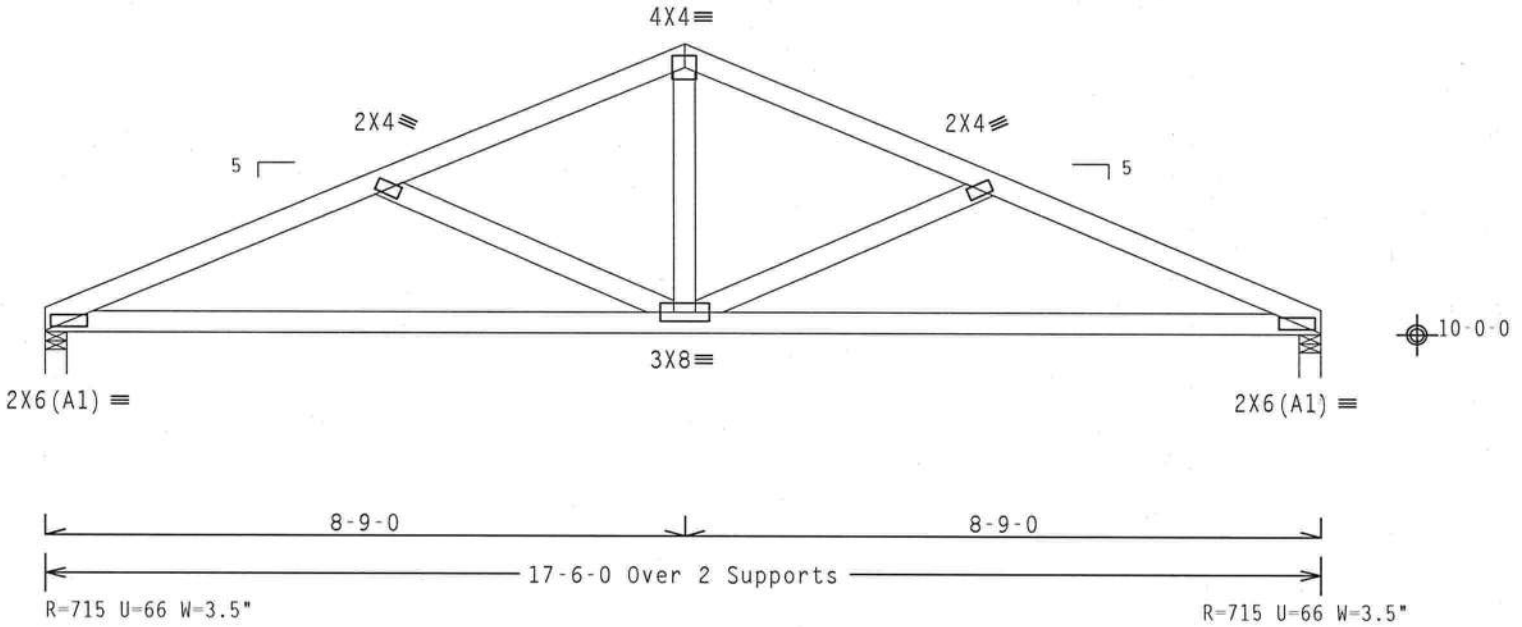
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 3-11-13.

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

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.38.0810.02 QTY:3 FL/-/5/-/-/R/- Scale =.375"/Ft.

ALPINE

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

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

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan

TC LL	20.0 PSF	REF	R215-- 41131
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002048
BC LL	0.0 PSF	HC-ENG	WHK/WHK *
TOT.LD.	40.0 PSF	SEQN-	84696
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

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

End verticals not exposed to wind pressure.

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

Provide for complete drainage of roof.

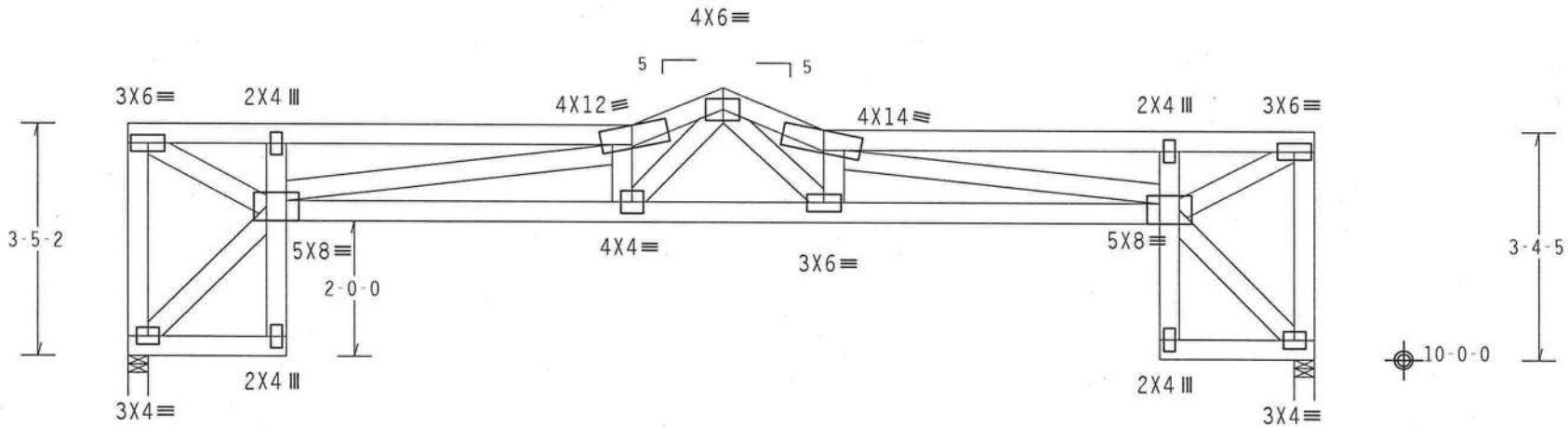
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

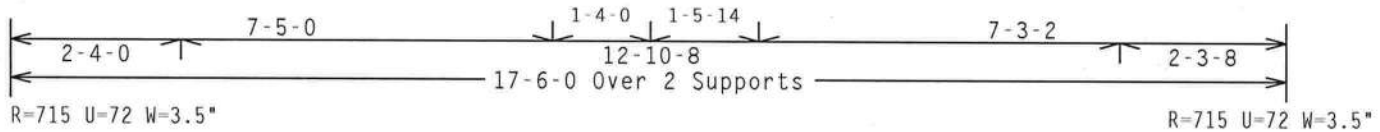
Wind reactions based on MWFRS pressures.

Max JT VERT DEFL: LL: 0.18" DL: 0.19" recommended camber 3/8"

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

The overall height of this truss excluding overhang is 3-11-13.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

ALPINE

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

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JAMES F. COLLINS JR. LICENSE No. 52213 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 02 '08

TC LL	20.0 PSF	REF	R215-- 41132
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002049
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	84842
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

Top chord 2x6 SP #2 N :T2, T3 2x4 SP #2 N:
Bot chord 2x6 SP #2 N :B2 2x6 SP SS:
Webs 2x4 SP #2 N :W10 2x4 SP #2 Dense:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 7.58
TC - From 62 PLF at 7.58 to 62 PLF at 8.75
TC - From 62 PLF at 8.75 to 62 PLF at 10.01
TC - From 62 PLF at 10.01 to 62 PLF at 17.50
BC - From 20 PLF at 0.00 to 20 PLF at 2.33
BC - From 20 PLF at 2.33 to 20 PLF at 15.21
BC - From 20 PLF at 15.21 to 20 PLF at 17.50
BC - 908 LB Conc. Load at 1.44, 3.44, 5.44, 7.44, 9.44
11.44, 13.44, 15.44

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

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

The overall height of this truss excluding overhang is 3-11-13.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

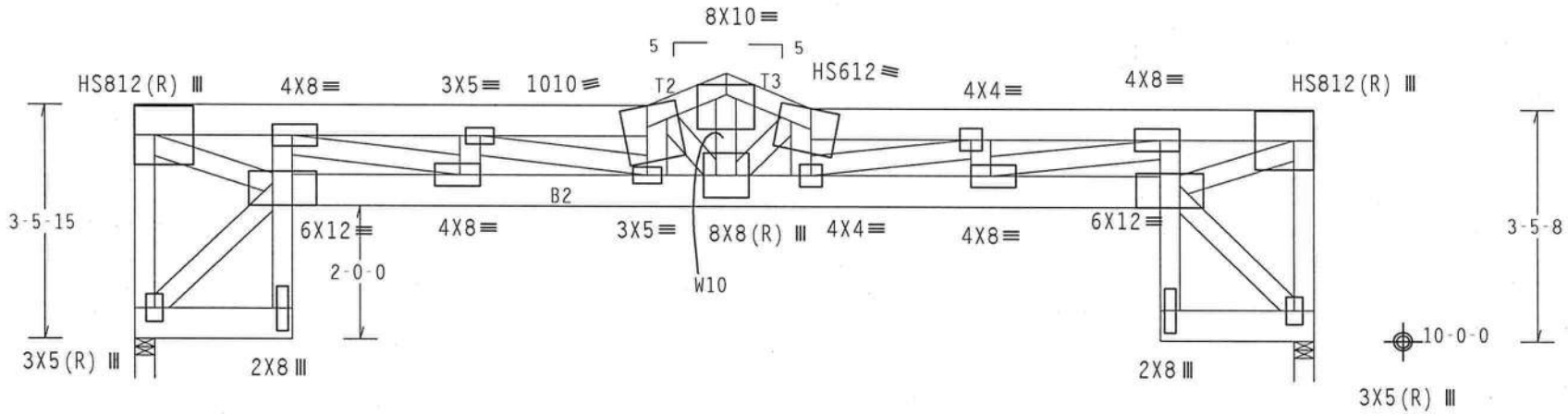
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

End verticals not exposed to wind pressure.

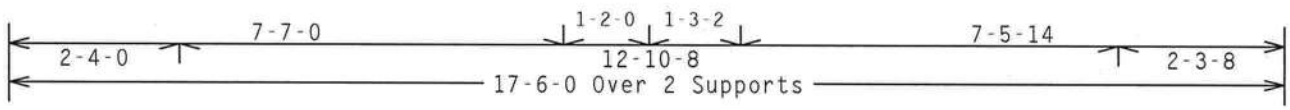
Max JT VERT DEFL: LL: 0.35" DL: 0.35" recommended camber 5/8"

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



R=4475 U=395 W=3.5"

R=4216 U=373 W=3.5"



Design Crit: TPI-2002(STD)/FBC
PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810 F2 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

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

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JAMES F. COLLINS JR. LICENSE No. 52218 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 02 '08

TC LL	20.0 PSF	REF R215-- 41133
TC DL	10.0 PSF	DATE 01/02/08
BC DL	10.0 PSF	DRW HCUSR215 08002071
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 84853
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TDT215_Z03

(5025-/MIKE KUZNIK /HIGH SPRINGS CONST. -- , ** - A23)

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

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

End verticals not exposed to wind pressure.

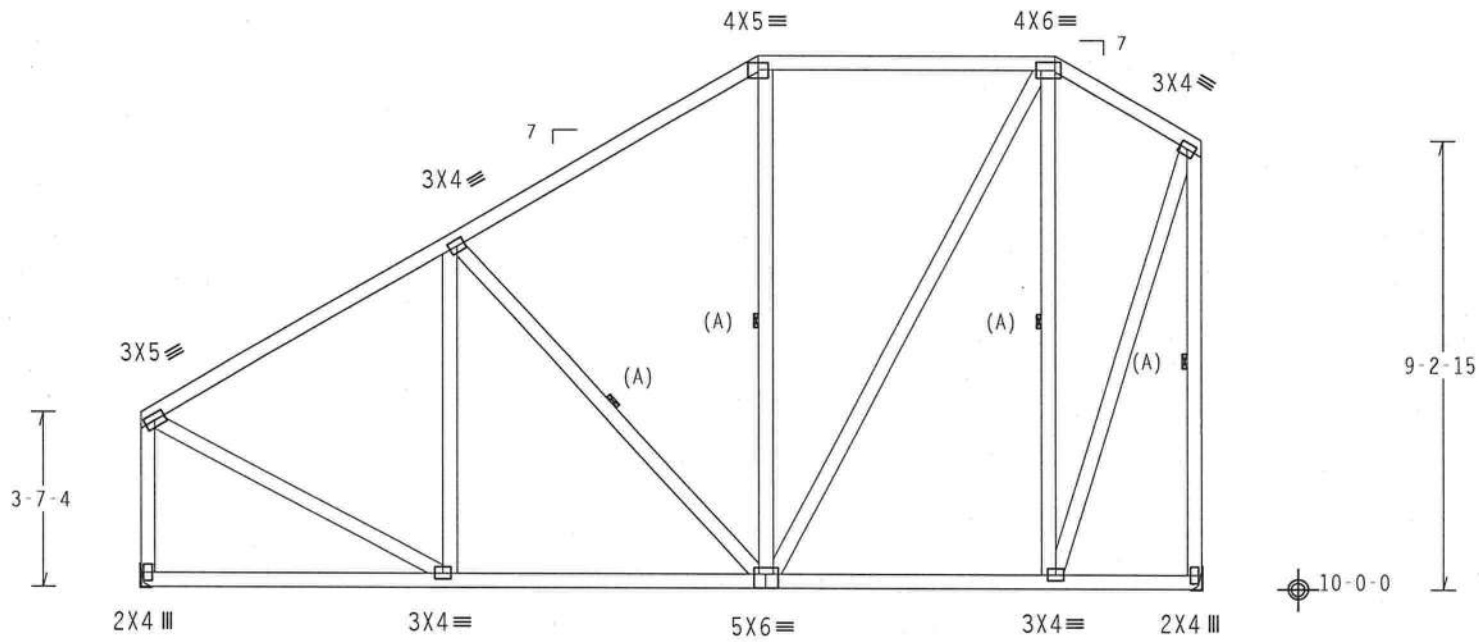
(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

110 mph wind, 17.30 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.38.0810 0 QTY:2 FL/-/5/-/-/R/- Scale =.25"/Ft.

ALPINE

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

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

Jan 02 08

TC LL	20.0 PSF	REF R215-- 41134
TC DL	10.0 PSF	DATE 01/02/08
BC DL	10.0 PSF	DRW HCUSR215 08002050
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 84825
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TDT215_Z03

(5025-/MIKE KUZNIK /HIGH SPRINGS CONST. -- , ** - A24)

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

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

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

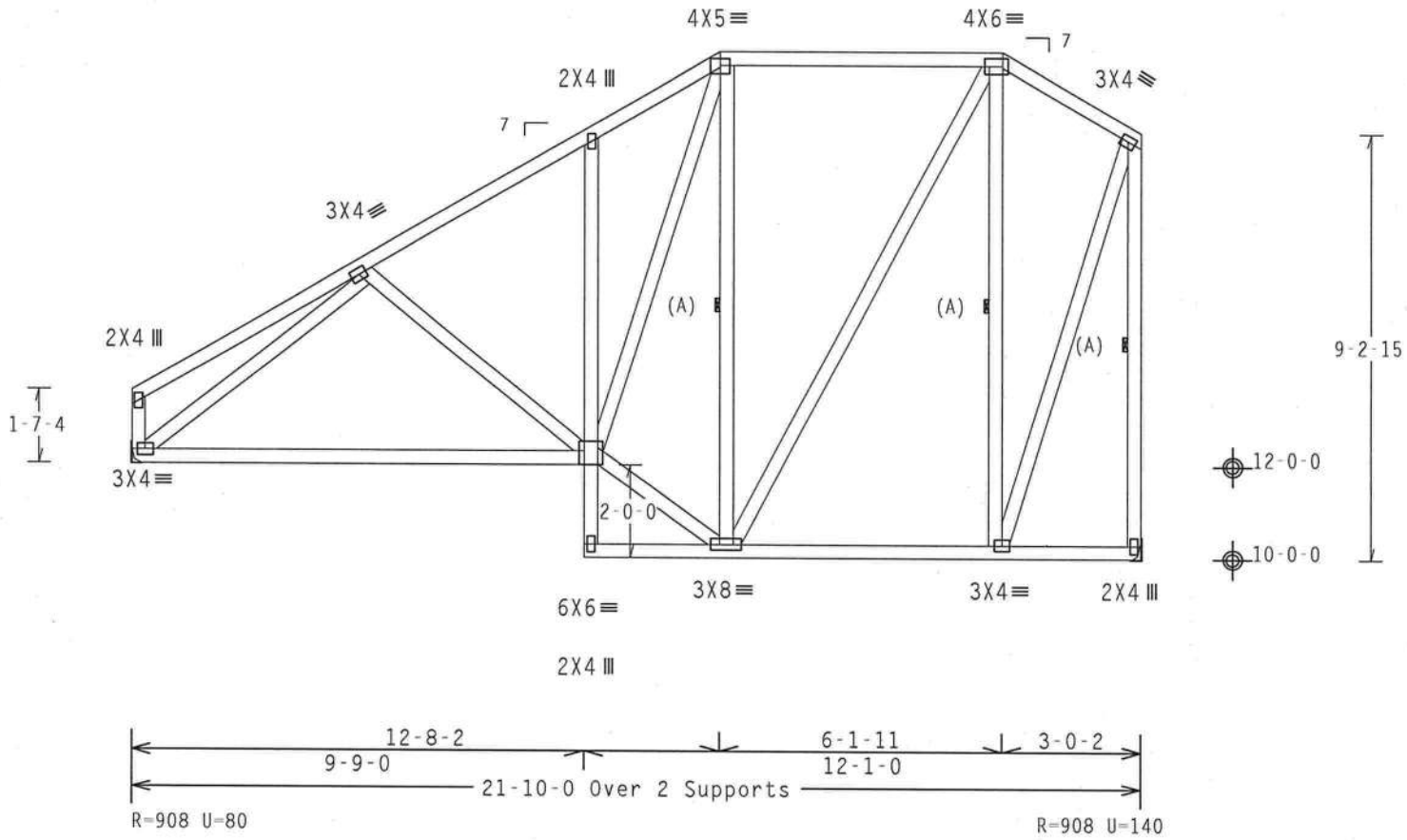
Deflection meets L/240 live and L/180 total load.

110 mph wind, 17.30 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.38.0810.03

PLT TYP. Wave

QTY:6 FL/-/5/-/-/R/- Scale =.25"/Ft.

ALPINE

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

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

Jan

TC LL	20.0 PSF	REF	R215-- 41135
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002051
BC LL	0.0 PSF	HC-ENG	WHK/WHK *
TOT.LD.	40.0 PSF	SEQN-	84832
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

(5025-/MIKE KUZNIK /HIGH SPRINGS CONST. -- , ** - A25)

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

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

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

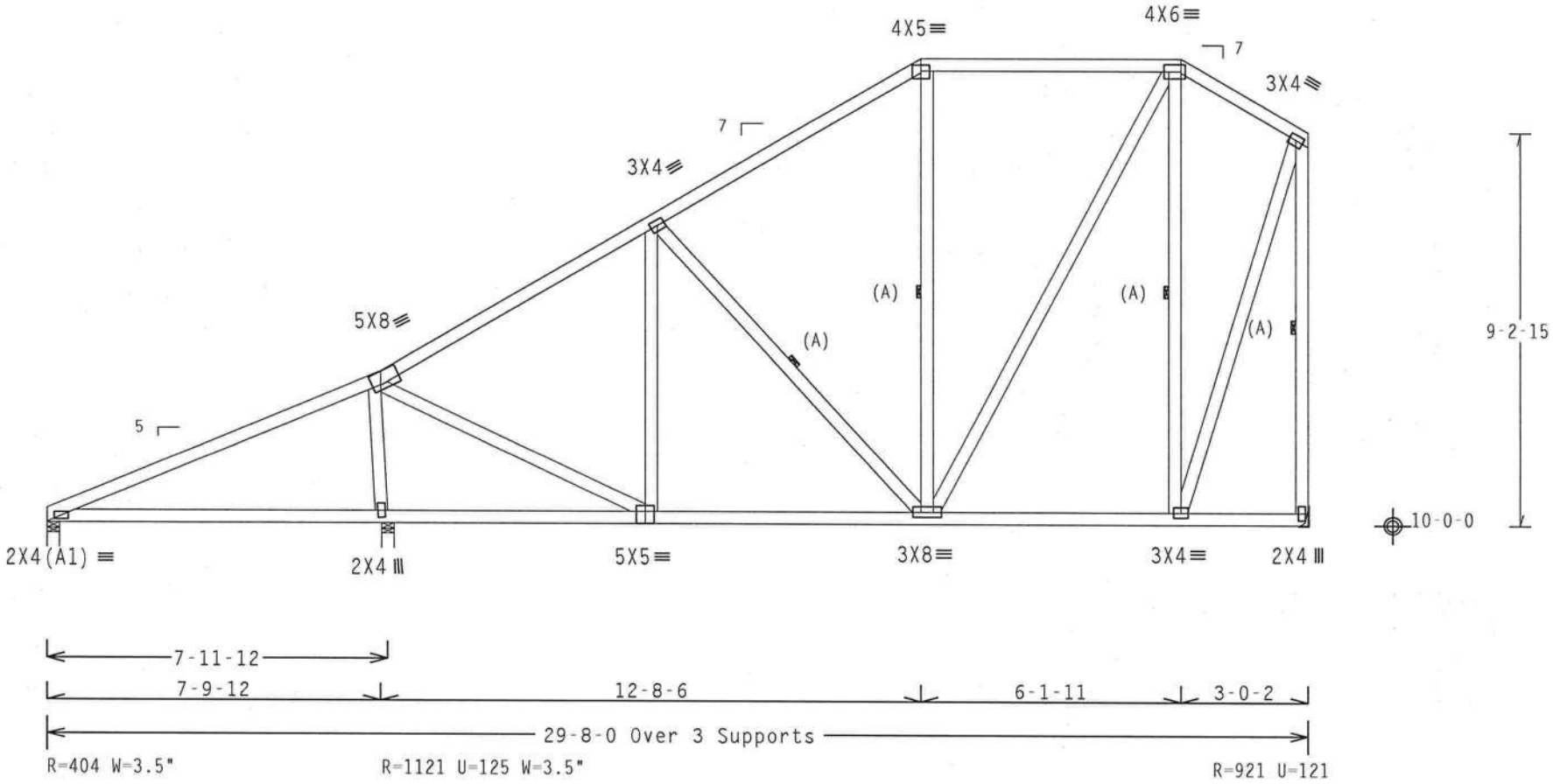
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.67 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.38.0810.03

PLT TYP. Wave

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

ALPINE

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

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 02

TC LL	20.0 PSF	REF R215-- 41136
TC DL	10.0 PSF	DATE 01/02/08
BC DL	10.0 PSF	DRW HCUSR215 08002072
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 84818
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TDT215_Z03

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

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

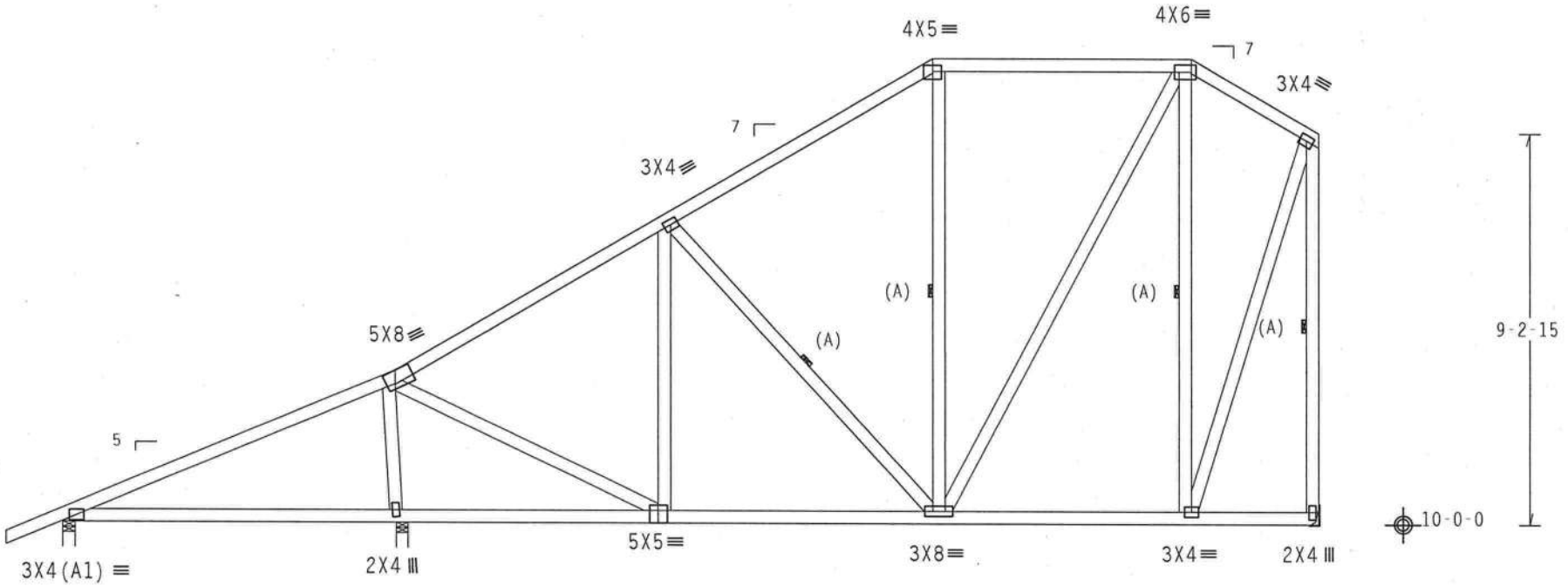
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.39 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.38.0810.03

PLT TYP. Wave

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

ALPINE

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

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IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, 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 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.

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

Jan

TC LL	20.0 PSF	REF R215- - 41137
TC DL	10.0 PSF	DATE 01/02/08
BC DL	10.0 PSF	DRW HCUSR215 08002073
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 84812
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TDT215_Z03

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

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

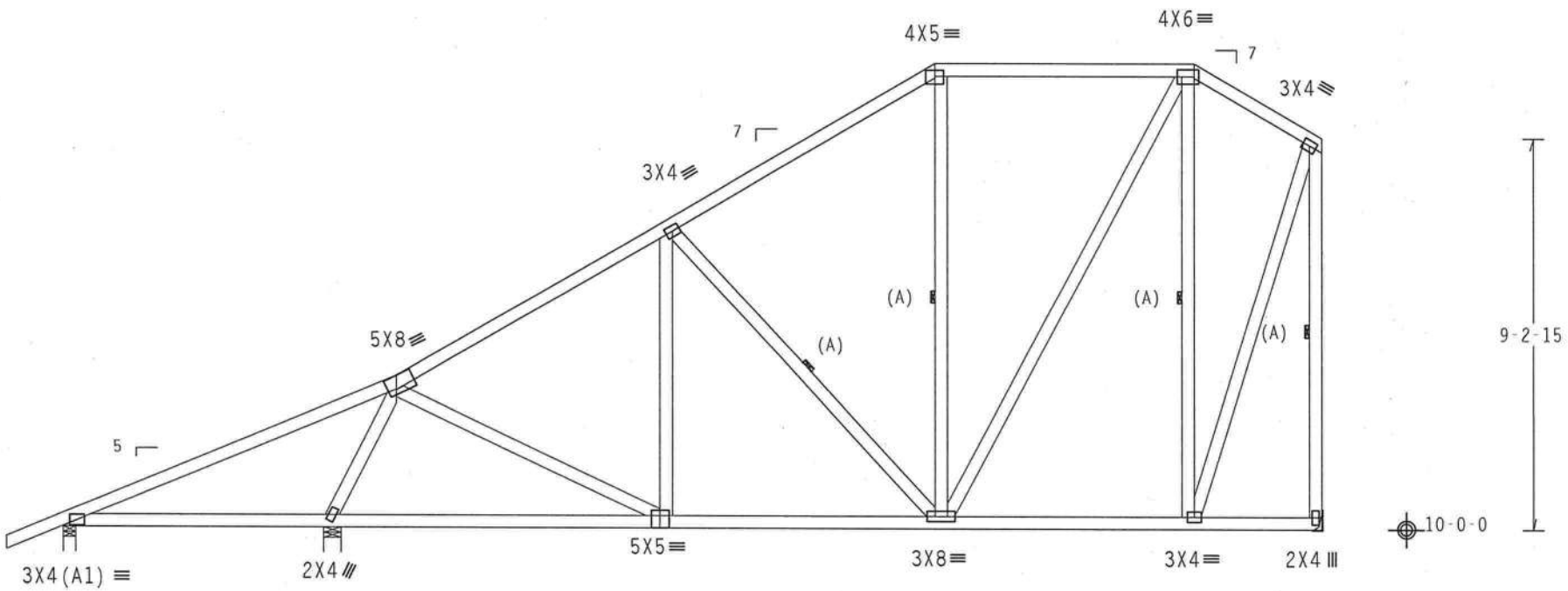
Deflection meets L/240 live and L/180 total load.

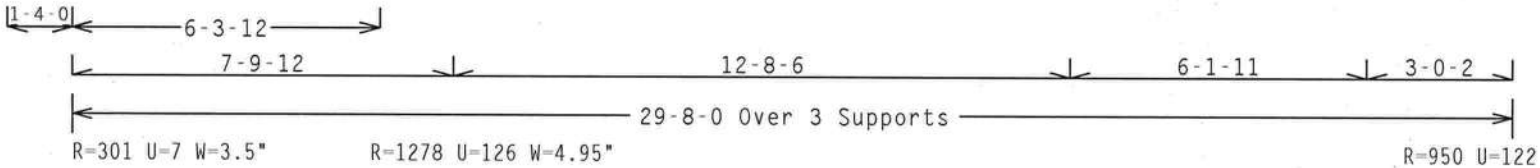
110 mph wind, 15.39 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

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

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 02 08

TC LL	20.0 PSF	REF R215-- 41138
TC DL	10.0 PSF	DATE 01/02/08
BC DL	10.0 PSF	DRW HCUSR215 08002074
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 84806
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TDT215_Z03

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

110 mph wind, 21.91 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 1-9-8.

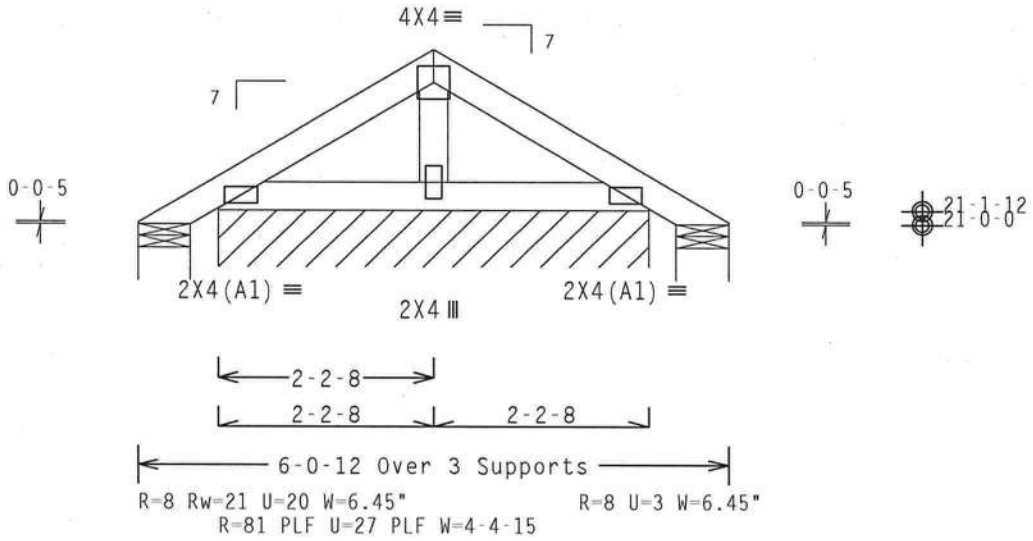
REFER TO PIGBACKA0207 OR PIGBACKB0207 FOR PIGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C, UNLESS OTHERWISE SPECIFIED.

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

TC - From	63 PLF	at	-0.82	to	63 PLF	at	2.21
TC - From	63 PLF	at	2.21	to	63 PLF	at	5.24
BC - From	4 PLF	at	-0.82	to	4 PLF	at	5.24

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

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



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

PLT TYP. Wave

7.38.0810 QTY:6 FL/-/5/-/-/R/-

Scale =.5"/Ft.

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 02 '08

TC LL	20.0 PSF	REF R215-- 41139
TC DL	10.0 PSF	DATE 01/02/08
BC DL	10.0 PSF	DRW HCUSR215 08002075
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 84762
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TDT215_Z03

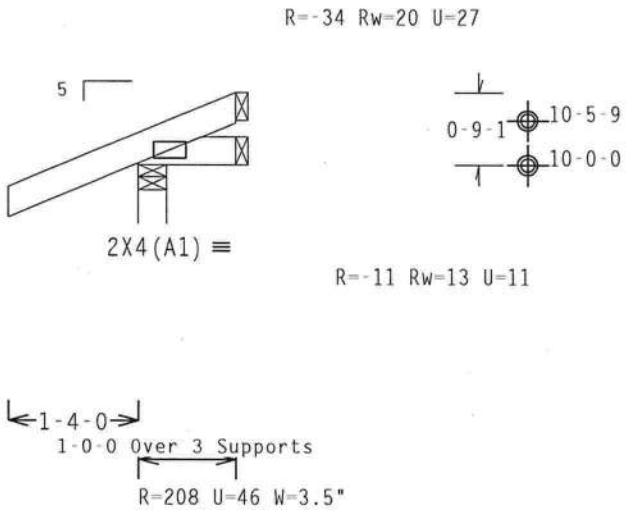
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 0-9-1.

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

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/0(0) | 7.38.0810.03 | QTY:8 | FL/-/5/-/-/R/- | Scale =.5"/Ft.

ALPINE

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

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JAMES F. COLLINS JR. LICENSE No. 22212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 02

TC LL	20.0 PSF	REF	R215-- 41140
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002076
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	84703
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

(5025-/MIKE KUZNIK /HIGH SPRINGS CONST. -- , ** - JC3)

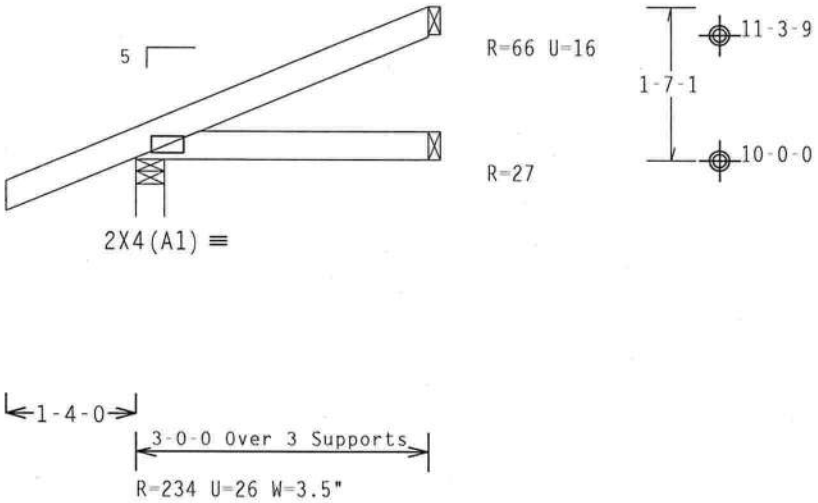
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 1-7-1.

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

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810.03 QTY:8 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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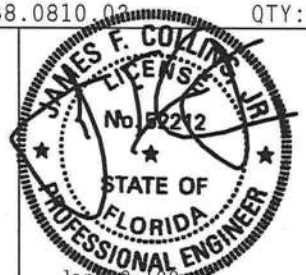


Jan

TC LL	20.0 PSF	REF	R215-- 41141
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002052
BC LL	0.0 PSF	HC-ENG	WHK/WHK *
TOT.LD.	40.0 PSF	SEQN-	84705
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

(5025-/MIKE KUZNIK /HIGH SPRINGS CONST. -- , ** - JC5)

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

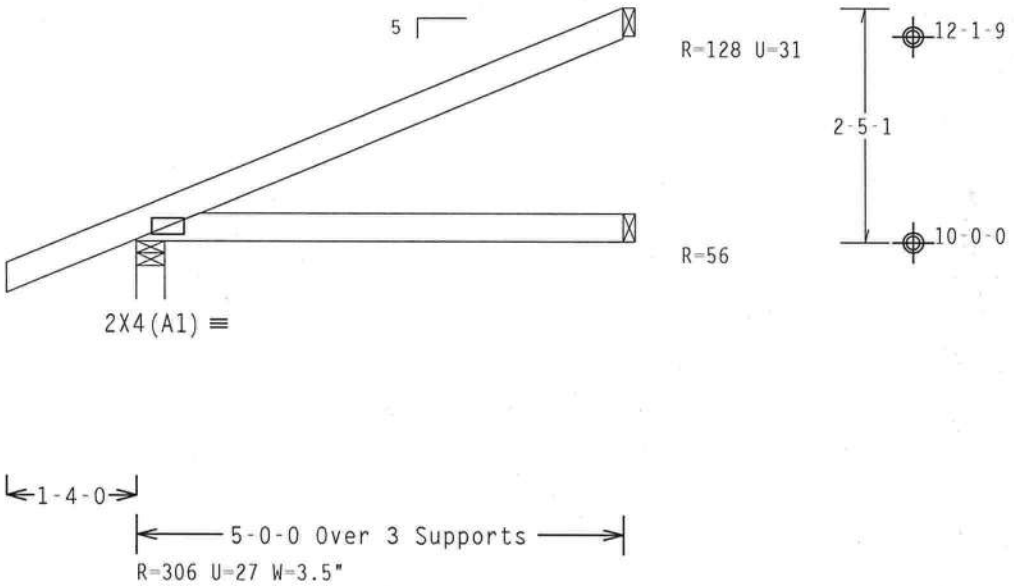
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 2-5-1.

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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810.06 QTY:8 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 02 '08

TC LL	20.0 PSF	REF R215-- 41142
TC DL	10.0 PSF	DATE 01/02/08
BC DL	10.0 PSF	DRW HCUSR215 08002053
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 84698
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TDT215_Z03

(5025-/MIKE KUZNIK /HIGH SPRINGS CONST. -- , ** - JC7)

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

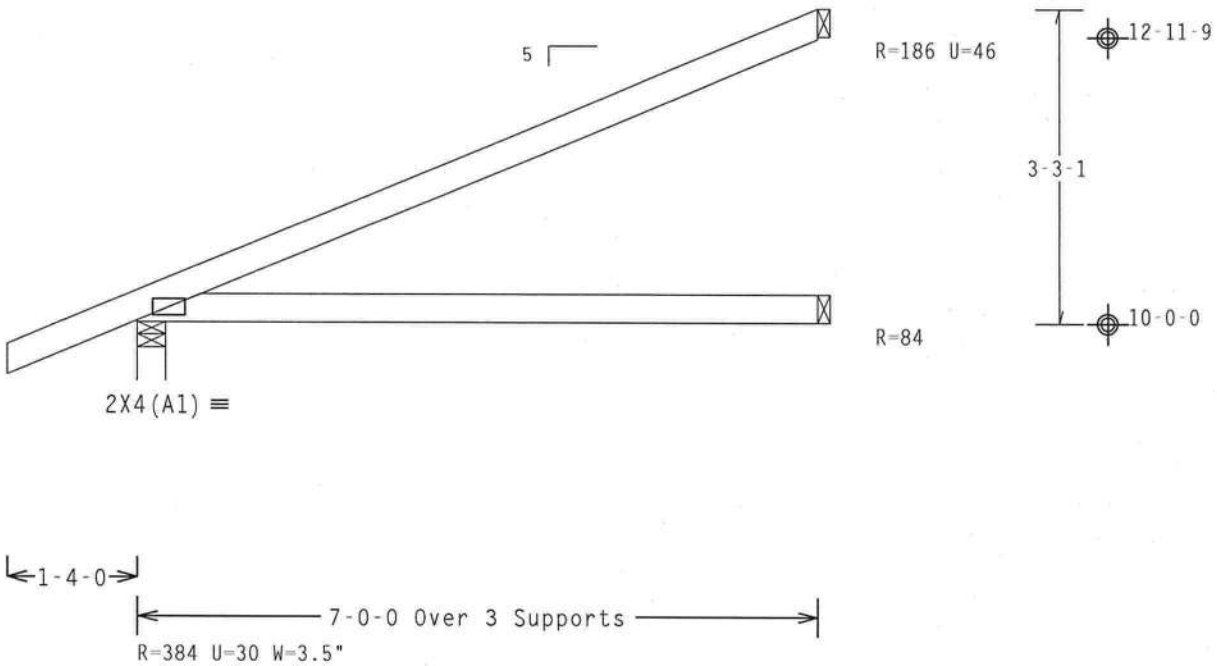
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

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

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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.38.0810.00

PLT TYP. Wave QTY:4 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
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JAMES F. COLLINS, JR. LICENSE No.52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 02 08

TC LL	20.0 PSF	REF	R215-- 41143
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002054
BC LL	0.0 PSF	HC-ENG	WHK/WHK *
TOT.LD.	40.0 PSF	SEQN-	84711
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

(5025-/MIKE KUZNIK /HIGH SPRINGS CONST. -- , ** - JE7)

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

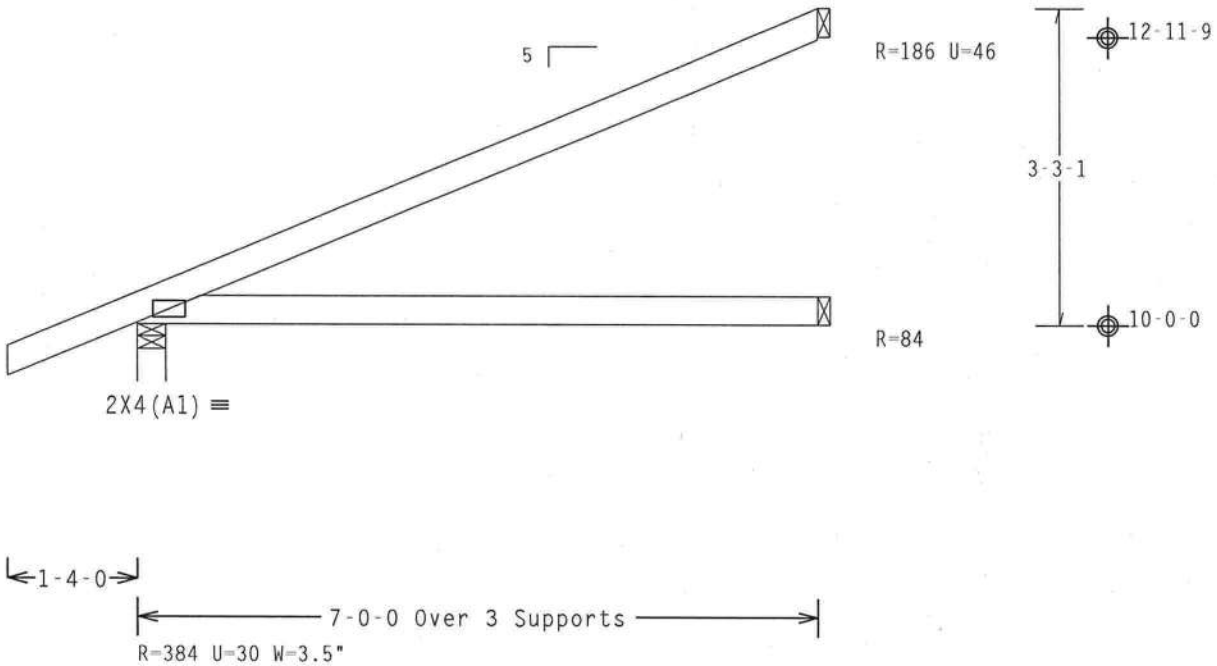
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

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

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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.38.0810.00

PLT TYP. Wave

QTY:3 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan

TC LL	20.0 PSF	REF R215-- 41144
TC DL	10.0 PSF	DATE 01/02/08
BC DL	10.0 PSF	DRW HCUSR215 08002055
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 84709
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TDT215_Z03

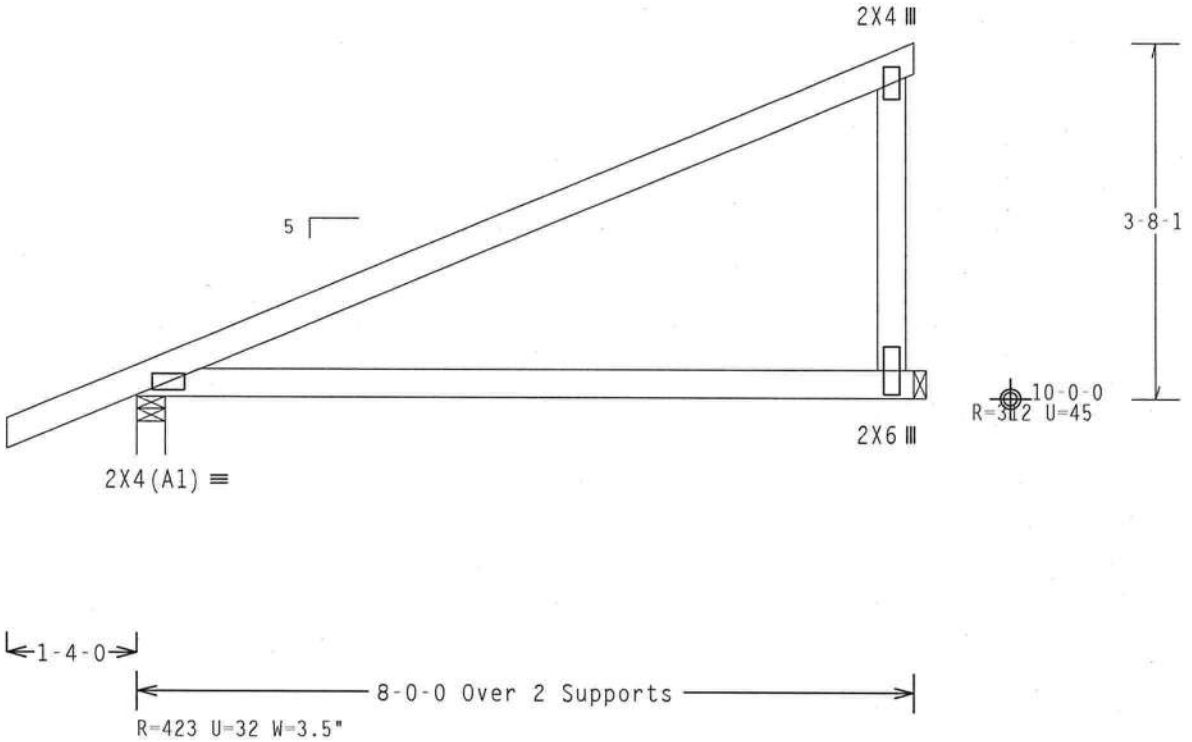
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 3-8-1.

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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:16 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 02 '08

TC LL	20.0 PSF	REF R215-- 41145
TC DL	10.0 PSF	DATE 01/02/08
BC DL	10.0 PSF	DRW HCUSR215 08002056
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 84786
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TDT215_Z03

(5025-/MIKE KUZNIK /HIGH SPRINGS CONST. -- , ** - JH10)

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

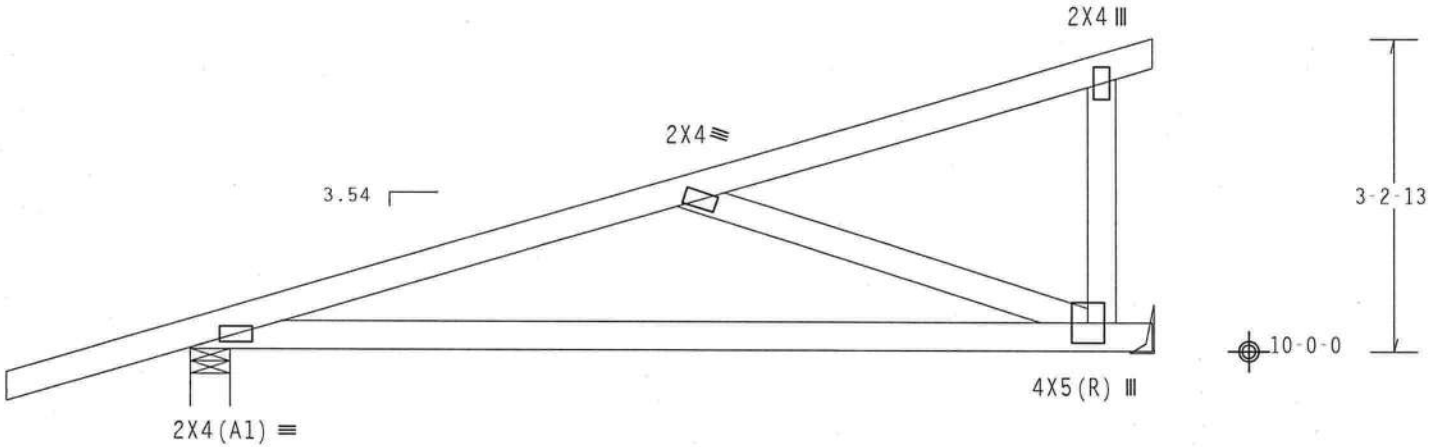
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

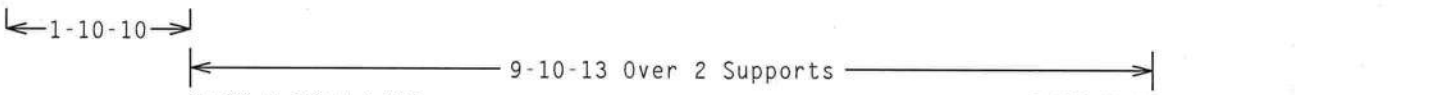
Wind reactions based on MWFRS pressures.

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 61 PLF at -1.89 to 61 PLF at 9.90
BC - From 20 PLF at 0.00 to 20 PLF at 9.90
TC - -67 LB Conc. Load at 1.48
TC - 131 LB Conc. Load at 4.31
TC - 256 LB Conc. Load at 7.13
BC - -21 LB Conc. Load at 1.48
BC - 55 LB Conc. Load at 4.31
BC - 113 LB Conc. Load at 7.13

The overall height of this truss excluding overhang is 3-2-13.





R=668 U=178 W=4.95"

R=713 U=98
H=Simpson w/1 supporting member.

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810.08 QTY:2 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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Jan 02 [illegible]

TC LL	20.0 PSF	REF	R215-- 41146
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002077
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	84766
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

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

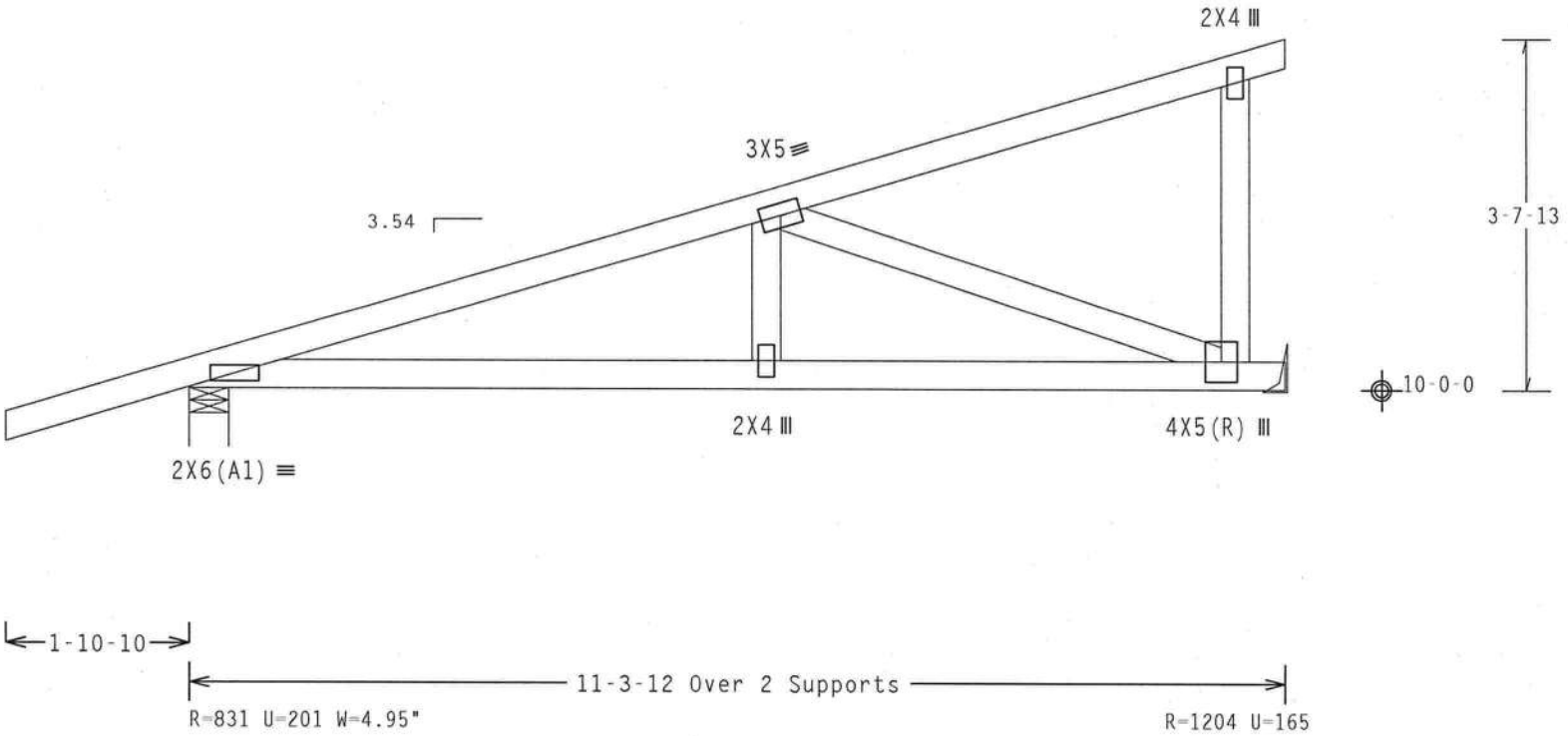
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

The overall height of this truss excluding overhang is 3-7-13.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 61 PLF at -1.89 to 61 PLF at 11.31
BC - From 20 PLF at 0.00 to 20 PLF at 11.31
TC - -67 LB Conc. Load at 1.48
TC - 131 LB Conc. Load at 4.31
TC - 256 LB Conc. Load at 7.13
TC - 373 LB Conc. Load at 9.96
BC - -21 LB Conc. Load at 1.48
BC - 55 LB Conc. Load at 4.31
BC - 113 LB Conc. Load at 7.13
BC - 167 LB Conc. Load at 9.96



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810.02 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 02,2008

TC LL	20.0 PSF	REF	R215-- 41147
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002078
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	84772
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

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

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

Wind reactions based on MWFRS pressures.

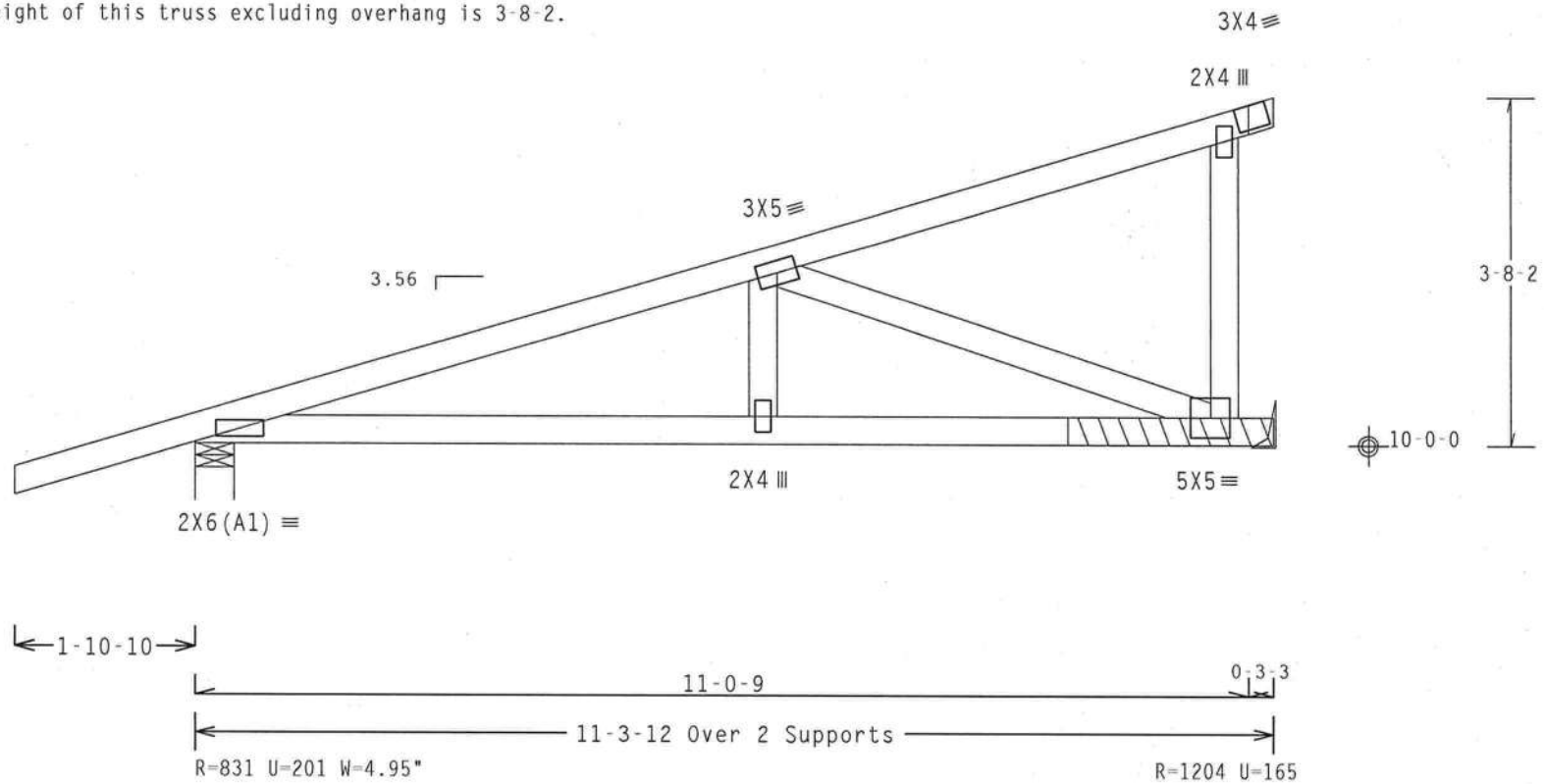
Deflection meets L/240 live and L/180 total load.

(2) 2x4x2-2-0 SP SS scabs at right end. Attach one scab to each outer face of chord with: 0.131"x3"_Gun_nails @ 8" OC, plus additional nail clusters at: BRG.: (4), heel: (4), 1st panel point: (0).

The overall height of this truss excluding overhang is 3-8-2.

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

TC	- From	61 PLF	at	-1.89	to	61 PLF at 11.05
TC	- From	61 PLF	at	11.05	to	61 PLF at 11.31
BC	- From	20 PLF	at	0.00	to	20 PLF at 11.31
TC	-	-67 LB Conc. Load	at	1.48		
TC	-	131 LB Conc. Load	at	4.31		
TC	-	256 LB Conc. Load	at	7.13		
TC	-	373 LB Conc. Load	at	9.96		
BC	-	-21 LB Conc. Load	at	1.48		
BC	-	55 LB Conc. Load	at	4.31		
BC	-	113 LB Conc. Load	at	7.13		
BC	-	167 LB Conc. Load	at	9.96		



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810.02 QTY:1 Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
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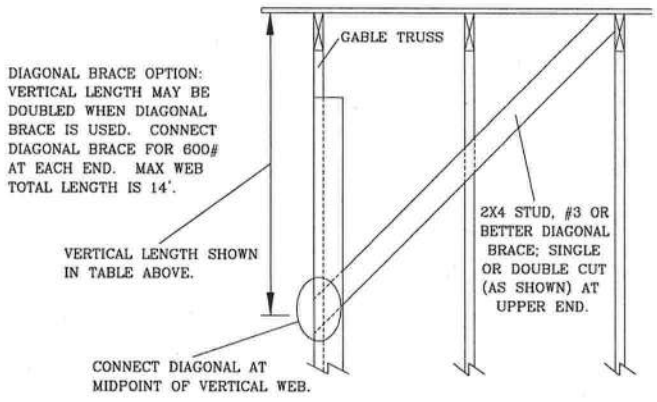
JAMES F. COLLINS LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 02,

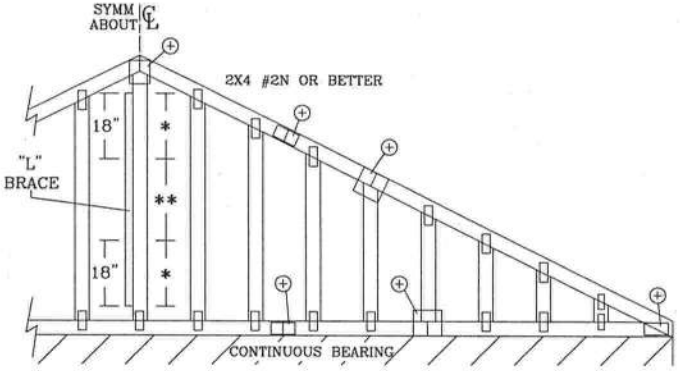
TC LL	20.0 PSF	REF	R215-- 41148
TC DL	10.0 PSF	DATE	01/02/08
BC DL	10.0 PSF	DRW	HCUSR215 08002079
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	84770
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TDT215_Z03

ASCE 7-02: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

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





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE
#3
STUD
STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#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.

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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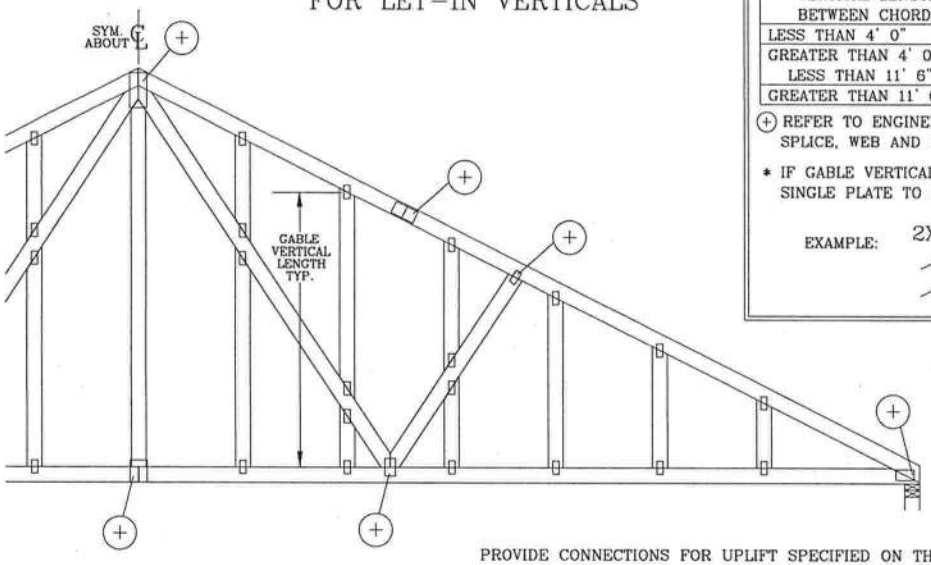
JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 02 08

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11015
DATE	2/23/07
DRWG	A11015EE0207
-ENG	

GABLE DETAIL
FOR LET-IN VERTICALS

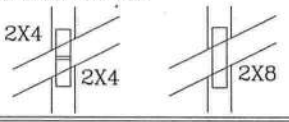


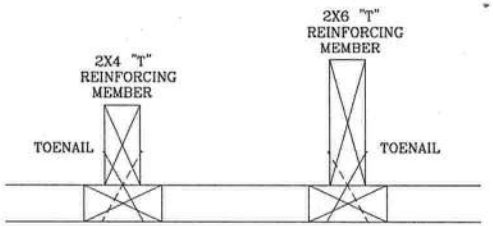
GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE:





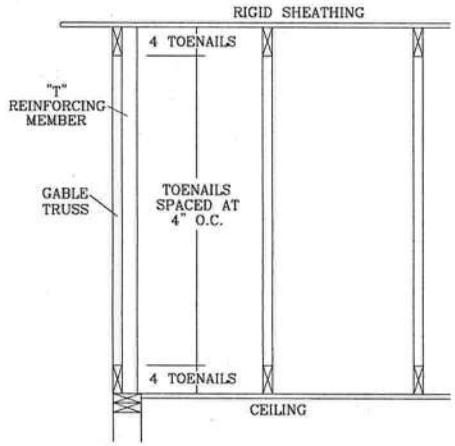
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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

WEB LENGTH INCREASE W/ "T" BRACE

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

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



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON (0.148"X 3.",MIN) TOENAILS AT 4" O.C. PLUS
(4) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP AND BOTTOM CHORD.
GUN DRIVEN NAILS:
8d COMMON (0.131"X 2.5",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207, A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08515EC0207, A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A08530EC0207
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0207, A12015EE0207, A11015EE0207, A10015EE0207, A08515EE0207, A13030EE0207, A12030EE0207, A11030EE0207, A10030EE0207, A08530EE0207
ASCE 7-05 GABLE DETAIL DRAWINGS
A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08515E50207, A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08530E50207

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

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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

Jan 03 08

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

REF	LET-IN VERT
DATE	2/23/07
DRWG	GBLLETIN0207
-ENG	DLJ/KAR

ASCE 7-02: 110 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

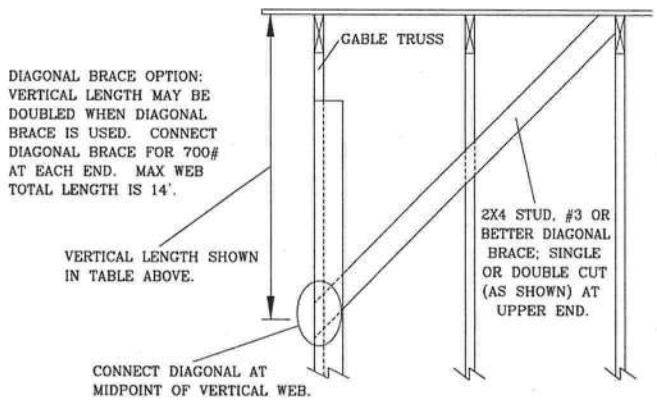
SOUTHERN PINE
#3
STUD
STANDARD

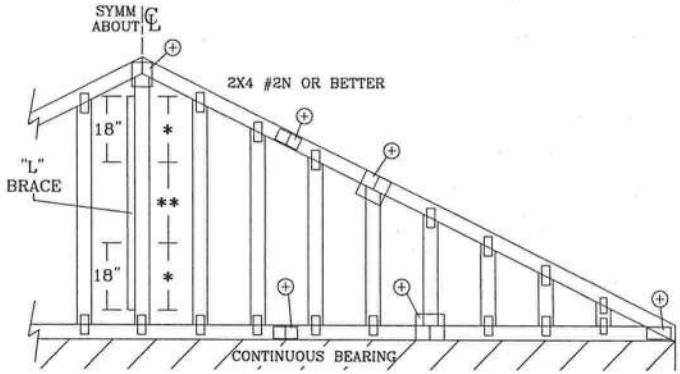
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 100 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.

ALPINE

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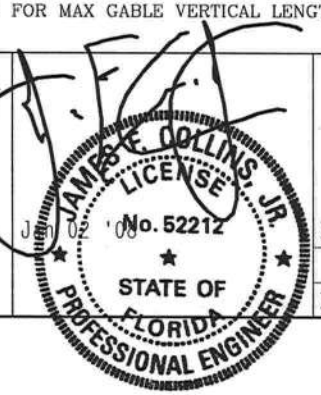


Jan 02 '08

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11030
DATE	2/23/07
DRWG	A11030EE0207
-ENG	

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.

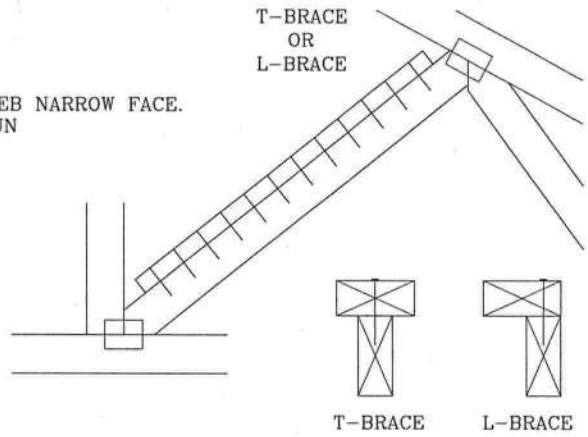
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

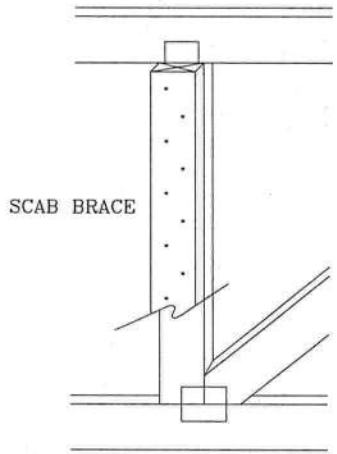
T-BRACING OR L-BRACING:

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



SCAB BRACING:

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



THIS DRAWING REPLACES DRAWING 579,640

ALPINE
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POMPANO BEACH, FLORIDA

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

JAMES E. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 02 '08

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	BRCLBSUB0207
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

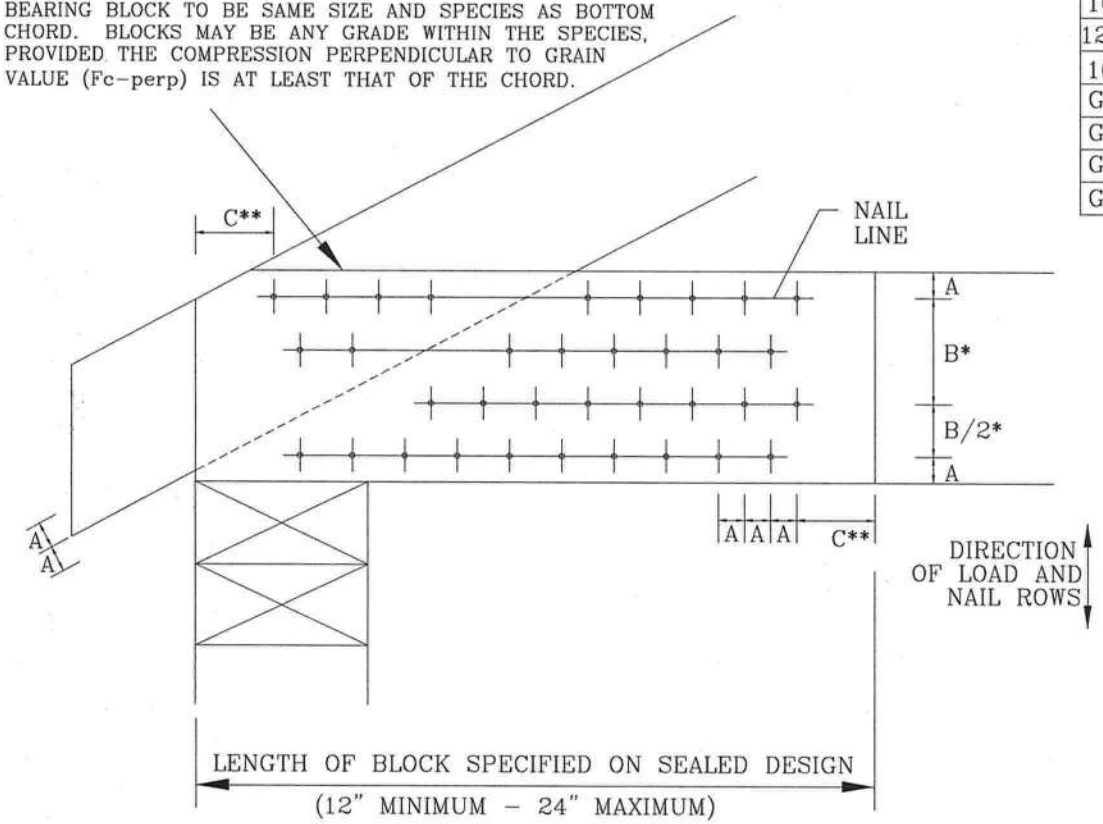
BEARING BLOCK NAIL SPACING DETAIL

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.



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
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 02 '08

REF	BEARING BLOCK
DATE	2/23/07
DRWG	CNBRGBLK0207
-ENG	SJP/KAR

26675

ARROW EXTERMINATORS
TERMITE AND PEST CONTROL

5602 N.W. 13th STREET
GAINESVILLE, FLORIDA 32653-2198

P.O. BOX 5875
GAINESVILLE, FLORIDA 32627-5875

PHONE (352) 373-3642
FAX (352) 373-9037

CERTIFICATE OF PROTECTIVE TREATMENT

Builder: High Springs Const.

Date: 2/22/08 Time: _____ AM _____ PM

Site Location: 431 Jasmine St. Ft. White

Area Treated: entry, living, porches

Product Used: Talstar P Chemical Used: Difenthrin

% Concentration: .06% # Gallons Used: 670

Applicator: Jay