

DATE 07/15/2010

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000028726

APPLICANT PEGGY EDGLEY PHONE 386.752.0580
ADDRESS 590 SW ARLINGTON BLD., STE, 113 LAKE CITY FL 3205
OWNER LANE B. & PATRICIA WATKINS PHONE 904.388.1712
ADDRESS 159 SW SYDNEY NICOLE COURT LAKE CITY FL 32024
CONTRACTOR DOUG EDGLEY PHONE 386.752.0580
LOCATION OF PROPERTY 41/441-S TO C-131,TR TO SYDNEY NICOLE CT.,TL AND IT'S 1/4
MILE ON R.
TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 220250.00
HEATED FLOOR AREA 2630.00 TOTAL AREA 4405.00 HEIGHT 19.10 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 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 05-6S-17-09607-203 SUBDIVISION MELISSA'S SECRET GARDENS UNREC.
LOT C BLOCK PHASE UNIT TOTAL ACRES 10.86

R282811326
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
PRIVATE 10-0316-N BLK TC Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD.

Check # or Cash 2131

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 Insulation 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 Pool date/app. by
Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by
Pump pole date/app. by Utility Pole date/app. by M/H tie downs, blocking, electricity and plumbing date/app. by
Reconnection date/app. by RV date/app. by Re-roof date/app. by

BUILDING PERMIT FEE \$ 1105.00 CERTIFICATION FEE \$ 22.03 SURCHARGE FEE \$ 22.03
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 1224.06
INSPECTORS OFFICE CLERKS OFFICE

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

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

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 NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

Notice of Prevention for Subterranean Termites #28726
(As required by Florida Building Code (FBC) 104.2.6)



Live Oak
PEST CONTROL, INC.

A locally owned
company serving
you since 1972

17856 U.S. 129 • McALPIN, FLORIDA 32062
(386) 362-3887 • 1-800-771-3887 • Fax: (386) 364-3529

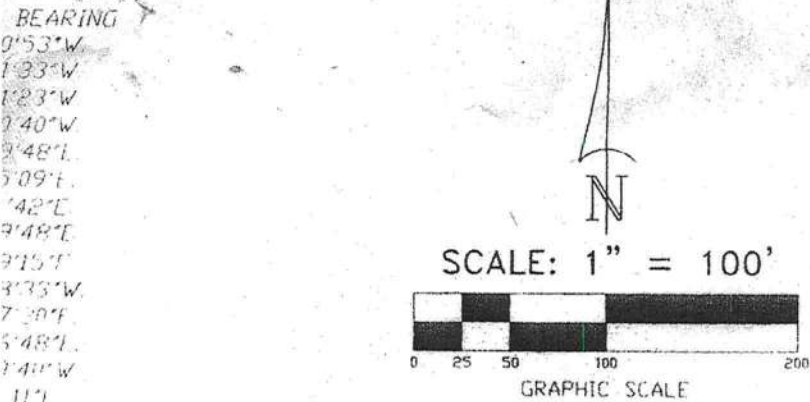
<u>Watkins Sydney Nicole BRT Lake city</u> Address of Treatment or Lot/Block of Treatment		
<u>9/26/12</u> Date	<u>12:00 pm</u> Time	<u>Chris Pyle</u> Applicator
<u>Termidor</u> Product Used	<u>2.1012011</u> Chemical used (active ingredient)	<u>662</u> Number of gallons applied
<u>06</u> Percent Concentration	<u>4400</u> Area treated (square feet)	<u>370</u> Linear feet treated

Horizontal/Vertical
Stage of treatment (Horizontal, Vertical, Adjoining Slab, retreat of disturbed area)

As per 104.2.6 - If soil chemical barrier method for Subterranean termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial and date this line. _____

A BOUNDARY SURVEY IN SECTION 5, TOWNSHIP 6 SOUTH
RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA



POINT OF COMMENCEMENT
OF PARCEL
NE CORNER OF NW 1/4
SECTION 5, TOWNSHIP
6 SOUTH, RANGE 17 EAST

POINT OF TERMINATION
OF EASEMENT

POINT OF BEGINNING
OF PARCEL

POINT 'A'

END:

MENT FOUND
MENT SET

CORNER

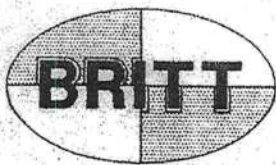
ORD
ORD

MENTS
MARKER
TINT

POINT OF TERMINATION
OF EASEMENT

NOTE: ALL PROPERTY CORNERS LOCATED WERE
IDENTIFIED AS L.S. BRITT, P.L.S. 5757.

BRITT SURVEYING
& ASSOCIATES, INC.



LAND SURVEYORS AND MAPPERS
830 WEST DUVAL STREET
LAKE CITY, FLORIDA 32055

TELEPHONE: (386) 752-7163 FAX: (386) 752-5573

WORK ORDER # L-20425

LE CHARGE AND MEETS THE MINIMUM
SSIONAL SURVEYORS AND MAPPERS
TION 472.027, FLORIDA STATUTES.

FT BRITT, P.S.M.
ICATION # 5757
F A FLORIDA LICENSED SURVEYOR AND
USES ONLY AND IS NOT VALID.

COLUMBIA COUNTY OFFICE OF CIVIL ENGINEERING

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 05-6S-17-09607-203

Building permit No. 000028726

Use Classification SFD/UTILITY

Fire: 24.44

Permit Holder DOUG EDGLEY

Waste: 33.50

Owner of Building LANE B. & PATRICIA WATKINS

Total: 57.94

Location: 159 SW SYDNEY NICOLE COURT, LAKE CITY, FL 32024

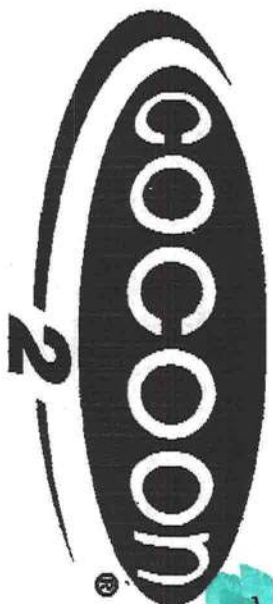
Date: 08/30/2011

Shay Lin

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)





Permat 28726

The coverage chart is based on settled thickness and a nominal bag weight of 30 lbs. Use this chart for estimating purposes only. Actual coverage will be influenced by job conditions, equipment settings and application techniques. To obtain optimum performance from this product, we recommend maintaining moisture content within an 18-22% range for ceiling applications. This product is not intended for spray-applied wall applications or dry loose-fill applications. You must add water to this product.

This attic has been insulated to:

R-38

The walls have been insulated to:

R-13

The floors have been insulated to:

R-

Insulation has been installed to the R-value indicated above, with Cocoon, the high-efficiency insulation. Made from a minimum of 80% recycled materials, Cocoon is scientifically formulated to deliver greater efficiency per inch than other insulation materials.

R-Value is a measure of resistance to heat flow - the higher the R-value, the greater the insulation power.

If you would like to add more insulation to your home, contact your Cocoon dealer.

Residence Address:

Watkins

159 SW Sydney Nicole Court

Lake City FL 32024

Installed by: Sikes Environmental Insulation Inc.

Builder Company Name: Edgley Construction

Builder Signature:

10/1/11

Date: 8-31-11

Cocoon2 Stabilized Insulation 30 lb. bag Product # INS500

Insulation Type	Settled Thickness (in.)	Settled Density (lb./cu. ft.)	Settled Volume (cu. ft.)	Settled Weight (lb.)	Settled Area (sq. ft.)	Settled Depth (in.)	Settled R-Value
R-11	3.06	2.97	125.9	7.9	0.238		
R-13	3.62	3.51	100.2	10.0	0.299		
R-19	5.29	5.14	60.4	16.6	0.497		
R-20	5.57	5.41	56.5	17.7	0.531		
R-21	5.85	5.68	53.0	18.9	0.566		
R-22	6.13	5.95	49.9	20.1	0.602		
R-24	6.69	6.49	44.5	22.5	0.674		
R-30	8.36	8.11	33.4	29.9	0.897		
R-32	8.92	8.65	30.8	32.5	0.974		
R-38	10.59	10.27	24.8	40.3	1.210		
R-40	11.15	10.81	23.2	43.0	1.291		
R-44	12.26	11.89	20.6	48.5	1.454		
R-48	13.37	12.97	18.5	54.0	1.621		
R-50	13.93	13.51	17.6	56.8	1.705		
R-60	16.72	16.22	14.0	71.2	2.136		

CERTIFICATION

Attic: Cocoon2, manufactured by GreenFiber.

This is to certify that the attic insulation has been installed in conformance with the coverage chart recommendations above using 110 bags to cover 2630 sq. ft. to obtain an R-value of 38

Walls: Cocoon2 Stabilized Borate Formula, manufactured by GreenFiber.

This is to certify that the wall insulation has been installed in conformance with the manufacturer's recommendations to obtain the R-value of

Walls and Floors: Type of insulation Manufacturer

This is to certify that the wall and floor insulations have been installed in conformance with the manufacturer's recommendations to obtain the R-Values noted above.

Installer Company Name: Sikes Environmental Insulation Inc

Installer Authorized Signature:

Bill AJ

Date: 8-31-11

Manufactured in:

- Albany, NY
- Elkwood, VA
- Sacramento, CA
- Atlanta, GA
- E. St. Louis, IL
- Tampa, FL
- Charlotte, NC
- Norfolk, NE
- Waco, TX
- Denver, CO
- Phoenix, AZ
- Delphos, OH
- Salt Lake City, UT

greenfiber

ph. 800-228-0024
www.greenfiber.com

28726



Land Surveyors
and Mappers

BRITT SURVEYING & ASSOCIATES

830 West Duval Street • Lake City, FL 32055
Phone (386) 752-7163 • Fax (386) 752-5573

OK
BLK
05.10.10

10/05/10

L-20425

To Whom It May Concern:

C/o: Edgely Construction

Re: Parcel C Melissa's Secret Garden Phase 2

The elevation of the finished floor of the slab is found to be 100.70 feet. The minimum floor elevation as per the Columbia County Building Department is established to be 100.00 feet. The highest adjacent grade on the proposed building area is 99.2 feet and the lowest adjacent grade is 99.1 feet. The engineering plans used to establish the minimum floor elevation for this parcel is based on an assumed datum and therefore our survey was converted to the same datum to establish this elevation.


L. Scott Britt
PLS #5757

Columbia County Building Permit Application

☒ Need liability on 546

For Office Use Only Application # 1007-12 Date Received 7-9-10 By LH Permit # 28726
Zoning Official BLK Date 15.07.10 Flood Zone X Land Use A-3 Zoning A-3
FEMA Map # N/A Elevation N/A MFE 1 River N/A Plans Examiner J.C. Date 7-14-10

Comments

☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel #
☐ Dev Permit # ☐ In Floodway ☐ Letter of Auth. from Contractor ☒ F W Comp. letter

IMPACT FEES: EMS _____ Fire _____ Corr _____ Road/Code _____
School _____ = TOTAL N/A Suspended ☒ App fee paid
☒ V.F. form

Septic Permit No. 10-0316NFax 386-752-4904Name Authorized Person Signing Permit Kimmy Edgley Phone 386-752-0580Address 590 SW Arlinton Blvd Suite 113 Lake City Fl 32025Owners Name Lane B and Patricia A Watkins Phone 904-388-1712911 Address 159 SW Sydney Nicole Court, Lake City Fl 32024Contractors Name Edgley Construction Co Div CEE BAS Inc. Phone 386-752-0580Address 590 SW Arlington Blvd Suite 113 Lake City Fl 32025Fee Simple Owner Name & Address Lane B. and Patricia A. WatkinsBonding Co. Name & Address N/AArchitect/Engineer Name & Address Mark Disosway PE P.O. Box 868 Lake City Fl 32056Mortgage Lenders Name & Address N/ACircle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress EnergyProperty ID Number 05-6S-17-09607-203 Estimated Cost of Construction \$420,000Subdivision Name Melissa's Secret Gardens Unre Lot C Block _____ Unit _____ Phase _____Driving Directions Hwy 41 S, TR ON Tustenuggee TL on Sydney Nicole CT Lot ^{1/4 mile} on rightNumber of Existing Dwellings on Property Pole BarnConstruction of Residential Home Total Acreage 10.86 Lot Size _____Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 19'10"Actual Distance of Structure from Property Lines - Front 428 Side 234.77 Side 319.77 Rear 220.25Number of Stories 1 Heated Floor Area 2630 Total Floor Area 4405 Roof Pitch 6/12

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.

CK # 2131

JW spoke w/ Kimmy 7.15.10

Columbia County Building Permit Application

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

TIME LIMITATIONS OF PERMITS: 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 work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

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

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

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

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

(Owners Must Sign All Applications Before Permit Issuance.)

Owners Signature

****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

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 including all application and permit time limitations.

Contractor's Signature (Permittee)

Contractor's License Number RR282811326

Columbia County

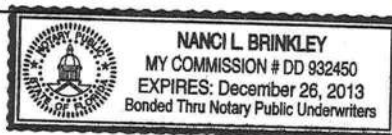
Competency Card Number 44

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 2nd day of July 2010.

Personally known Nanci Brinkley or Produced Identification

State of Florida Notary Signature (For the Contractor)

SEAL:



SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER

1007-12

CONTRACTOR

Edgley Construction

PHONE

752-0580

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL 37	Print Name: <u>Donald Hollingsworth</u> License #: <u>EC 3012377</u>	Signature: <u>[Signature]</u> Phone #: <u>386-755-5944</u>
MECHANICAL/A/C	Print Name: _____ License #: _____	Signature: _____ Phone #: _____
PLUMBING/GAS 714	Print Name: <u>Mark Bais</u> License #: <u>CFCO 57219</u>	Signature: <u>[Signature]</u> Phone #: <u>752-8656</u>
ROOFING	Print Name: _____ License #: _____	Signature: _____ Phone #: _____
SHEET METAL	Print Name: _____ License #: _____	Signature: _____ Phone #: _____
FIRE SYSTEM/SPRINKLER	Print Name: _____ License #: _____	Signature: _____ Phone #: _____
SOLAR	Print Name: _____ License #: _____	Signature: _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	000097	Kenneth Louden	[Signature]
CONCRETE FINISHER	000028	Butch Vaughn	[Signature]
FRAMING 602	CRCO 22354	William J. GERNER	[Signature]
INSULATION	000240	Willis W. Sikes	[Signature]
STUCCO			
DRYWALL	000621	Jesse Ambros	[Signature]
PLASTER			
CABINET INSTALLER	000762	STEVE BORDOUX	[Signature]
PAINTING	000632	JOHN BISPHAM	[Signature]
ACOUSTICAL CEILING			
GLASS	000618	CARL BULLARD JR	[Signature]
CERAMIC TILE	000214	JAMES M. RICK JR	[Signature]
FLOOR COVERING			
ALUM/VINYL SIDING CC 000466		MIKE NICHOLSON/MIKE'S ALUM.	[Signature]
GARAGE DOOR	000619	CARL BULLARD JR	[Signature]
METAL BLDG-ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1007-12 CONTRACTOR Edgley Construction PHONE 752-0580
THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
MUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE	576	Boyd Hardin	Boyd Hardin
DOOR COVERING	546	Ryan Hardin (Ryan's Flooring)	Ryan Hardin
MUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER

1507-12

CONTRACTOR

Edgley Constructors

PHONE

752-0580

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/A/C	Print Name <u>Chris Williams</u> License #: <u>CAC057295</u>	Signature <u>[Signature]</u> Phone #: <u>386 752-5841</u>
PLUMBING/GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING 512	Print Name <u>John W. O'Neal</u> License #: <u>CCC016346</u>	Signature <u>[Signature]</u> Phone #: <u>386-752-7528</u>
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
MUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

Application # 1007-12

NOTICE OF COMMENCEMENT

Inst: 201012010941 Date: 7/9/2010 Time: 3:37 PM
DC, P. DeWitt Cason, Columbia County Page 1 of 2 B.1197 P.1497

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property; and in accordance with Chapter 713, Florida Statutes, the following information is provided in the Notice of Commencement.

Tax Parcel ID Number: 05-6S-17-09607-203

1. **Description of property:** See Exhibit A attached hereto
2. **General Description of Improvement:** Construction of Dwelling
3. **Owner Information:**
 - a. Name and Address: Lane B and Patricia A Watkins, 4115 Timuquana Rd, Jacksonville FL 32210
 - b. Interest in property: Fee Simple
 - c. Name and address of fee simple title holder (if other than Owner): NONE
4. **Contractor** (name and address): Edgley Construction Company div of CEE-BAS Inc., 590 SW Arlington Blvd, Suite 113, Lake City, FL 32025
5. **Surety:**
 - a. Name and Address: N/A
 - b. Amount of Bond: N/A
6. **Lender:** N/A
7. Persons within the State of Florida designated by Owner upon whom notices of Other documents may be served as provided in Section 713.13(1)(a)7., Florida Statutes: NONE
8. In addition to himself, Owner designates KIMMY EDGLEY, of EDGLEY CONSTRUCTION COMPANY, at 590 SW Arlington Blvd, Suite 113, Lake City, FL 32025, to receive a copy of Lienor's Notice as provided in Section 713.13(1)(b) Florida Statutes.
9. Expiration date of Notice of Commencement (the expiration date is 1 year from date of recording unless a different date is specified).

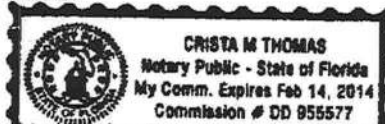
WARNING TO OWNER: Any payments made by the owner after the expiration of the Notice of Commencement are considered improper payments under Chapter 713, Part I, Section 713.13, Florida Statutes, and can result in your paying twice for improvements to your property; a Notice of Commencement must be recorded and posted on the job site before the first inspection, if you intend to obtain financing, consult your lender or an attorney before commencing work or recording your notice of commencement.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Lane B. Watkins
Signature of Owner or Owners Authorized
Office/Director/Partner/Manager
Patricia A. Watkins
Signature (see above)

The foregoing instrument was acknowledged before me this 9 of JUNE 2010, by Lane B and Patricia A Watkins, who are known to me or who have produced FR/DL as identification.

(seal)



NOTARY PUBLIC

My Commission Expires: 2/14/14

11. Verification Pursuant to Section 92.02, Florida Statutes, under penalty of perjury, I declare and I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Lane B. Watkins
Signature of Person Signing (Line #10)
Patricia A. Watkins
Signature of Person Signing (Line #10)

Application # 1007-12

Inst. Number: 200812015024 Book: 1156 Page: 1133 Date: 8/12/2008 Time: 2:59:00 PM Page 2 of 2

Exhibit "A"

PARCEL C, UNIT 2, OF THAT UNRECORDED SUBDIVISION OF MELISSA'S SECRET GARDEN, COLUMBIA COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NORTHEAST CORNER OF THE NORTHWEST 1/4 OF SECTION 5, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, AND RUN THENCE SOUTH 01°43'27" WEST, 696.06 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 01°43'27" WEST, 646.17 FEET; THENCE NORTH 89°13'14" WEST, 544.02 FEET TO A POINT ON THE EAST RIGHT-OF-WAY OF A 60 FOOT EASEMENT, SAID POINT BEING ON A CURVE OF A CURVE TO THE LEFT HAVING A RADIUS OF 330.00 FEET, AN INCLUDED ANGLE OF 18°23'55", A CHORD BEARING OF NORTH 33°21'33" WEST, AND A CHORD DISTANCE OF 105.51 FEET; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 105.97 FEET; THENCE NORTH 42°33'30" WEST, 85.59 FEET TO THE POINT OF CURVE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 270.00 FEET, AN INCLUDED ANGLE OF 28°05'40", A CHORD BEARING OF N.28°30'40" WEST, AND A CHORD DISTANCE OF 131.07 FEET; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 132.39 FEET; THENCE NORTH 14°27'51" WEST, 366.53 FEET TO THE POINT OF CURVE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 25.00 FEET, AN INCLUDED ANGLE OF 97°05'59", A CHORD BEARING OF NORTH 34°05'09" EAST, AND A CHORD DISTANCE OF 37.48 FEET; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 42.37 FEET TO A POINT OF COMPOUND CURVE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 470.00 FEET, AN INCLUDED ANGLE OF 08°43'19", A CHORD BEARING OF NORTH 86°59'48" EAST, AND A CHORD DISTANCE OF 71.48 FEET; THENCE ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 71.55 FEET TO THE END OF SAID CURVE; THENCE SOUTH 88°38'33" EAST, 741.25 FEET TO THE POINT OF BEGINNING, COLUMBIA COUNTY, FLORIDA.

TOGETHER WITH AN EASEMENT FOR INGRESS AND EGRESS OVER THE FOLLOWING DESCRIBED LAND:

A PARCEL OF LAND BEING 60.00 FEET WIDE AND BEING 30.00 FEET TO THE RIGHT AND 30.00 FEET TO THE LEFT OF THE FOLLOWING DESCRIBED LINE: COMMENCE AT THE NORTHWEST CORNER OF SECTION 5, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, AND RUN THENCE SOUTH 89°32'21" EAST, ALONG THE NORTH LINE 40.00 FEET TO THE EAST RIGHT OF WAY OF STATE ROAD #131; THENCE SOUTH 00°22'40" WEST ALONG SAID RIGHT OF WAY, 612.00 FEET TO THE POINT OF BEGINNING OF SAID LINE; THENCE NORTH 89°47'20" EAST 798.23 FEET TO A POINT OF CURVE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 500.00 FEET AND AN INCLUDED ANGLE OF 31°38'36"; THENCE SOUTHEASTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 276.14 FEET TO THE POINT OF REVERSE CURVE HAVING A RADIUS OF 500.00 FEET AND AN INCLUDED ANGLE OF 63°17'12"; THENCE SOUTHEASTERLY THEN EASTERLY THEN NORTHEASTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 552.23 FEET TO THE POINT OF REVERSE CURVE HAVING A RADIUS OF 500.00 FEET AND A TOTAL INCLUDED ANGLE OF 15°49'18"; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 138.07 FEET TO A POINT HEREIN KNOWN AS POINT "A"; THENCE CONTINUE ALONG SAID CURVE HAVING A RADIUS OF 500.00 FEET AND AN INCLUDED ANGLE OF 15°49'18"; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 138.07 TO THE END OF SAID CURVE; THENCE SOUTH 88°38'33" EAST, 752.42 FEET TO THE EAST LINE OF THE NW 1/4 OF SAID SECTION 5 AND THE POINT OF TERMINATION OF SAID LINE; THENCE BEGIN AT PREVIOUSLY SAID POINT "A" AND RUN THENCE SOUTH 14°27'51" EAST, 424.94 FEET TO THE POINT OF CURVE OF A CURVE TO THE LEFT HAVING A RADIUS OF 300.00 FEET AND AN INCLUDED ANGLE OF 28°05'40"; THENCE SOUTHEASTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 147.10 FEET, THENCE SOUTH 42°33'30" EAST, 85.59 FEET TO THE POINT OF CURVE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 300.00 FEET AND AN INCLUDED ANGLE OF 42°26'39"; THENCE SOUTHEASTERLY THEN SOUTHERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 222.24 FEET; THENCE SOUTH 00°06'51" EAST, 60.00 FEET TO THE POINT OF TERMINATION, SAID POINT BEING THE RADIUS POINT OF A 60-FOOT CUL-DE-SAC HAVING 25.00-FOOT TANGENT RETURNS.

This Document Prepared By and Return to:

Darryl J. Tompkins, Esquire
Darryl J. Tompkins, P.A.
14420 NW 151st Blvd.
P.O. Box 519
Alachua, FL 32616

Parcel ID Number: R09607-203

Inst. 200812015024 Date 8/12/2008 Time 2:59 PM
Doc Stamp-Deed 051.00
DC P DeWitt Cason Columbia County Page 1 of 2 B:1156 P:1132

Warranty Deed

This Indenture, Made this August day of 2008 A.D., Between
Bruce M. Jamison and Glenda T. Jamison, husband and wife

of the County of Lee, State of Florida, grantors, and
Lane B. Watkins and Patricia A. Watkins, husband and wife

whose address is: 4115 Timuquana Road, Jacksonville, FL 32210

of the County of Duval, State of Florida, grantees.

Witnesseth that the GRANTORS, for and in consideration of the sum of

-----TEN DOLLARS (\$10)----- DOLLARS,
and other good and valuable consideration to GRANTORS in hand paid by GRANTEES, the receipt whereof is hereby acknowledged, have
granted, bargained and sold to the said GRANTEES and GRANTEES' heirs, successors and assigns forever, the following described land, situate,
lying and being in the County of Columbia State of Florida to wit:
See Exhibit "A" attached hereto.

SUBJECT TO THE FOLLOWING:

- A. Zoning restrictions, prohibitions and other requirements imposed by governmental authority;
- B. Restrictions and matters appearing on the plat and/or common to the subdivision;
- C. Taxes for the year 2008 and subsequent years.

and the grantors do hereby fully warrant the title to said land, and will defend the same against lawful claims of all persons whomsoever.

In Witness Whereof, the grantors have hereunto set their hands and seals the day and year first above written.

Signed, sealed and delivered in our presence:

Kip C. Gaillard
Printed Name: Kip C. Gaillard
Witness

Carol A. Jurek
Printed Name: Carol A. Jurek
Witness

Bruce M. Jamison
Printed Name: Bruce M. Jamison
P.O. Address: 9101 Kings Cove Court, Ft. Myers, FL 33967
(Seal)

Glenda T. Jamison
Printed Name: Glenda T. Jamison
P.O. Address: 9101 Kings Cove Court, Ft. Myers, FL 33967
(Seal)

STATE OF Florida
COUNTY OF Lee

The foregoing instrument was acknowledged before me this August day of 2008 by
Bruce M. Jamison and Glenda T. Jamison, husband and wife

who are personally known to me or who have produced the driver's license as identification.



Carol A. Jurek
Printed Name: Carol A. Jurek
Notary Public
Commission Expires:

Exhibit "A"

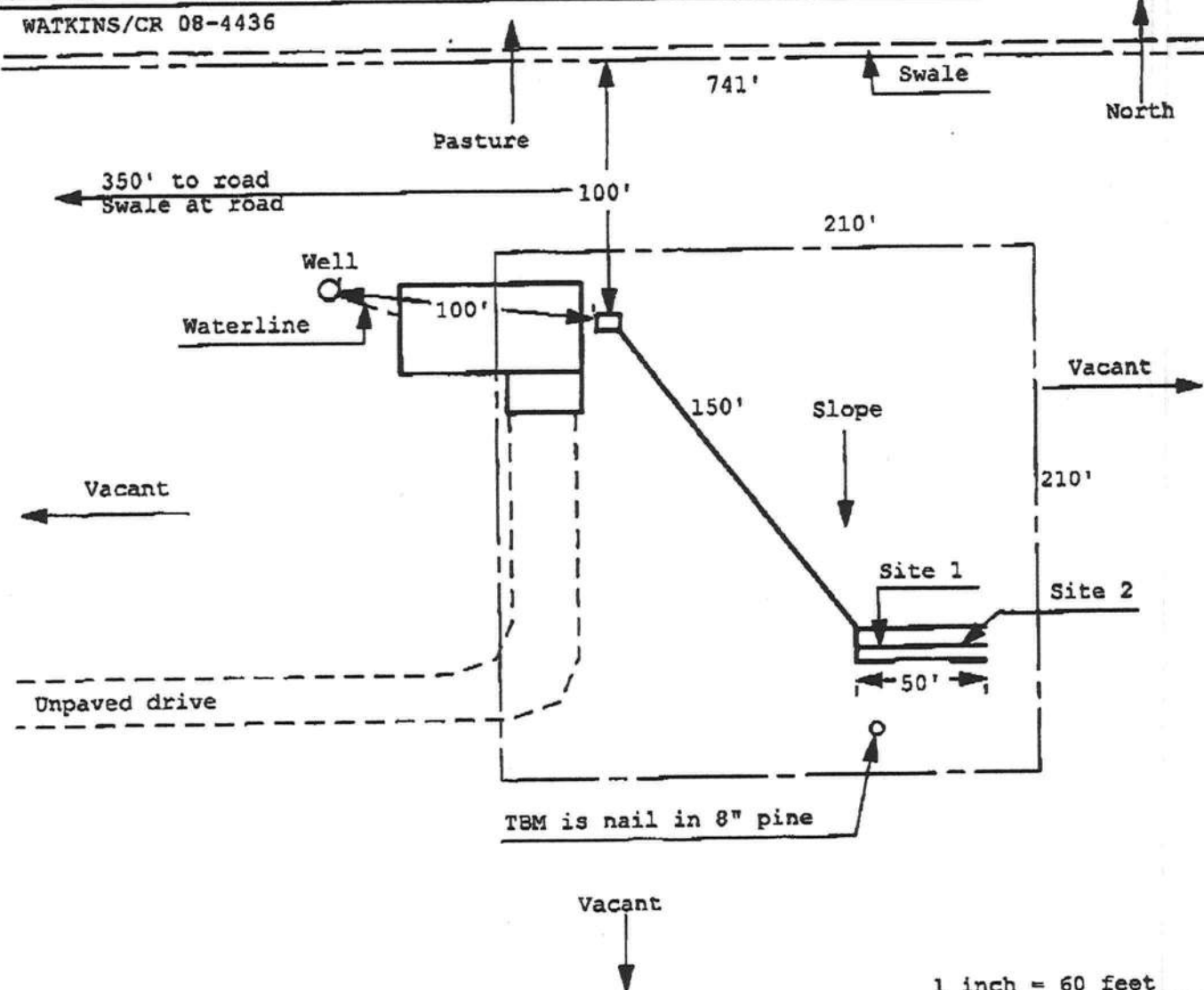
PARCEL C, UNIT 2, OF THAT UNRECORDED SUBDIVISION OF MELISSA'S SECRET GARDEN, COLUMBIA COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT THE NORTHEAST CORNER OF THE NORTHWEST 1/4 OF SECTION 5, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, AND RUN THENCE SOUTH 01°43'27" WEST, 696.06 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 01°43'27" WEST, 646.17 FEET; THENCE NORTH 89°13'14" WEST, 544.02 FEET TO A POINT ON THE EAST RIGHT-OF-WAY OF A 60 FOOT EASEMENT, SAID POINT BEING ON A CURVE OF A CURVE TO THE LEFT HAVING A RADIUS OF 330.00 FEET, AN INCLUDED ANGLE OF 18°23'55", A CHORD BEARING OF NORTH 33°21'33" WEST, AND A CHORD DISTANCE OF 105.51 FEET; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 105.97 FEET; THENCE NORTH 42°33'30" WEST, 85.59 FEET TO THE POINT OF CURVE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 270.00 FEET, AN INCLUDED ANGLE OF 28°05'40", A CHORD BEARING OF N.28° 30'40" WEST, AND A CHORD DISTANCE OF 131.07 FEET; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 132.39 FEET; THENCE NORTH 14°27'51" WEST, 366.53 FEET TO THE POINT OF CURVE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 25.00 FEET, AN INCLUDED ANGLE OF 97°05'59", A CHORD BEARING OF NORTH 34°05'09" EAST, AND A CHORD DISTANCE OF 37.48 FEET; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 42.37 FEET TO A POINT OF COMPOUND CURVE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 470.00 FEET, AN INCLUDED ANGLE OF 08°43'19", A CHORD BEARING OF NORTH 86°59'48" EAST, AND A CHORD DISTANCE OF 71.48 FEET; THENCE ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 71.55 FEET TO THE END OF SAID CURVE; THENCE SOUTH 88°38'33" EAST, 741.25 FEET TO THE POINT OF BEGINNING, COLUMBIA COUNTY, FLORIDA.

TOGETHER WITH AN EASEMENT FOR INGRESS AND EGRESS OVER THE FOLLOWING DESCRIBED LAND:

A PARCEL OF LAND BEING 60.00 FEET WIDE AND BEING 30.00 FEET TO THE RIGHT AND 30.00 FEET TO THE LEFT OF THE FOLLOWING DESCRIBED LINE:
COMMENCE AT THE NORTHWEST CORNER OF SECTION 5, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, AND RUN THENCE SOUTH 89°32'21" EAST, ALONG THE NORTH LINE 40.00 FEET TO THE EAST RIGHT OF WAY OF STATE ROAD #131; THENCE SOUTH 00°22'40" WEST ALONG SAID RIGHT OF WAY, 612.00 FEET TO THE POINT OF BEGINNING OF SAID LINE; THENCE NORTH 89°47'20" EAST 798.23 FEET TO A POINT OF CURVE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 500.00 FEET AND AN INCLUDED ANGLE OF 31°38'36"; THENCE SOUTHEASTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 276.14 FEET TO THE POINT OF REVERSE CURVE HAVING A RADIUS OF 500.00 FEET AND AN INCLUDED ANGLE OF 63°17'12"; THENCE SOUTHEASTERLY THEN EASTERLY THEN NORTHEASTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 552.28 FEET TO THE POINT OF REVERSE CURVE HAVING A RADIUS OF 500.00 FEET AND A TOTAL INCLUDED ANGLE OF 15°49'18"; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 138.07 FEET TO A POINT HEREIN KNOWN AS POINT "A"; THENCE CONTINUE ALONG SAID CURVE HAVING A RADIUS OF 500.00 FEET AND AN INCLUDED ANGLE OF 15°49'18"; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 138.07 TO THE END OF SAID CURVE; THENCE SOUTH 88°38'33" EAST, 752.42 FEET TO THE EAST LINE OF THE NW 1/4 OF SAID SECTION 5 AND THE POINT OF TERMINATION OF SAID LINE; THENCE BEGIN AT PREVIOUSLY SAID POINT "A" AND RUN THENCE SOUTH 14°27'51" EAST, 424.94 FEET TO THE POINT OF CURVE OF A CURVE TO THE LEFT HAVING A RADIUS OF 300.00 FEET AND AN INCLUDED ANGLE OF 28°05'40"; THENCE SOUTHEASTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 147.10 FEET, THENCE SOUTH 42°33'30" EAST, 85.59 FEET TO THE POINT OF CURVE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 300.00 FEET AND AN INCLUDED ANGLE OF 42°26'39"; THENCE SOUTHEASTERLY THEN SOUTHERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 222.24 FEET; THENCE SOUTH 00°06'51" EAST, 60.00 FEET TO THE POINT OF TERMINATION, SAID POINT BEING THE RADIUS POINT OF A 60-FOOT CUL-DE-SAC HAVING 25.00-FOOT TANGENT RETURNS.

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 10-0316

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



Site Plan Submitted By Paul Rley Date 6/23/10
 Plan Approved X Not Approved Date 9/1/10

By [Signature]

Columbia CHD CPBU

Notes: See attached for full property dimensions.

SF

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 6/18/2010 **DATE ISSUED:** 6/22/2010

ENHANCED 9-1-1 ADDRESS:

159 SW SYDNEY NICOLE CT

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

05-6S-17-09607-203

Remarks:

AKA PRCL "C" MELISSA'S SECRET GARDENS UNRE

Address Issued By: 

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.



COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST REQUIREMENTS

MINIMUM PLAN REQUIREMENTS FOR THE FLORIDA BUILDING CODE RESIDENTIAL 2007 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007 FLORIDA BUILDING CODES RESIDENTIAL. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind speed map) SHALL BE USED.

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

ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH

ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ----- 110 MPH

NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

**GENERAL REQUIREMENTS:
APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL**

Items to Include-
Each Box shall be
Circled as
Applicable

		Yes	No	N/A	
1	Two (2) complete sets of plans containing the following:	☒			✓
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	☒			✓
3	Condition space (Sq. Ft.) 2630				✓
	Total (Sq. Ft.) under roof 4405				

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

Site Plan information including:

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

Wind-load Engineering Summary, calculations and any details required

GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
8	Plans or specifications must show compliance with FBCR Chapter 3	IIIIII	IIIIII	IIIIII
9	Basic wind speed (3-second gust), miles per hour <i>110 MPH.</i>	✓		
10	(Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	✓		
11	Wind importance factor and nature of occupancy	✓		
12	The applicable internal pressure coefficient, Components and Cladding	✓		
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not speciffally designed by the registered design professional.	✓		

Elevations Drawing including:

14	All side views of the structure	✓		
15	Roof pitch	✓		
16	Overhang dimensions and detail with attic ventilation	✓		
17	Location, size and height above roof of chimneys <i>no FIRE place.</i>			✓
18	Location and size of skylights with Florida Product Approval <i>no skylights.</i>			✓
18	Number of stories	✓		
20A	Building height from the established grade to the roofs highest peak	✓		

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	✓		
21	Raised floor surfaces located more than 30 inches above the floor or grade	✓		
22	All exterior and interior shear walls indicated	✓		
23	Shear wall opening shown (Windows, Doors and Garage doors)	✓		
24	Emergency escape and rescue opening shown in each bedroom (net clear opening shown)	✓		
25	Safety glazing of glass where needed	✓		
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FBCR) <i>no FIRE place.</i>			✓
27	Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FBCR SECTION 311) <i>no stairs.</i>			✓
28	Identify accessibility of bathroom (see FBCR SECTION 322)	✓		

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

GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable
---	--	--

FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.			✓
32	Assumed load-bearing value of soil _____ Pound Per Square Foot	✓		
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type)	✓		

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 320: PROTECTION AGAINST TERMITES

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

FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

37	Show all materials making up walls, wall height, and Block size, mortar type	✓		
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement <i>Wood Frame</i>			✓

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer			✓
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers			✓
41	Girder type, size and spacing to load bearing walls, stem wall and or piers			✓
42	Attachment of joist to girder			✓
43	Wind load requirements where applicable			✓
44	Show required under-floor crawl space			✓
45	Show required amount of ventilation opening for under-floor spaces			✓
46	Show required covering of ventilation opening			✓
47	Show the required access opening to access to under-floor spaces			✓
	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges &			✓

48	intermediate of the areas structural panel sheathing			✓	✓
49	Show Draftstopping, Fire caulking and Fire blocking			✓	✓
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309			✓	✓
51	Provide live and dead load rating of floor framing systems (psf).			✓	✓

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable			
		YES	NO	N/A	
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	✓			✓
53	Fastener schedule for structural members per table FBCR 602.3 are to be shown	✓			✓
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	✓			✓
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	✓			✓
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCR Table 502.5 (1)	✓			✓
57	Indicate where pressure treated wood will be placed	✓			✓
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	✓			✓
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	✓			✓

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.10 Wood trusses	✓			✓
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	✓			✓
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	✓			✓
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	✓			✓
64	Provide dead load rating of trusses	✓			✓

FBCR 802:Conventional Roof Framing Layout

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

FBCR Table 602,3(2) & FBCR 803 ROOF SHEATHING

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

FBCR ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assembles covering	✓		
72	Submit Florida Product Approval numbers for each component of the roof assembles covering	✓		

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter 11 Residential buildings compliance methods. *Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area*

GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
73	Show the insulation R value for the following areas of the structure	✓		
74	Attic space <i>R-38</i>	✓		
75	Exterior wall cavity <i>R-13</i>	✓		
76	Crawl space <i>Concrete Floor.</i>			✓

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	✓		
78	Exhaust fans locations in bathrooms <i>Shown on Elec. Sheet. Page 4</i>	✓		
79	Show clothes dryer route and total run of exhaust duct	✓		

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan			✓
81	Show the location of water heater	✓		

Private Potable Water

82	Pump motor horse power <i>1 1/2 H.P.</i>	✓		
83	Reservoir pressure tank gallon capacity <i>84 Gall.</i>	✓		
84	Rating of cycle stop valve if used <i>30 Gall. per min.</i>	✓		

Electrical layout shown including

85	Switches, outlets, receptacles, lighting and all required GFCI outlets identified	✓		
86	Ceiling fans	✓		
87	Smoke detectors & Carbon dioxide detectors	✓		
88	Service panel, sub-panel, location(s) and total ampere ratings <i>400 Amp.</i>	✓		
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type. <i>Under Ground</i>	✓		

90	Appliances and HVAC equipment and disconnects	✓		
91	Arc Fault Circuits (AFCI) in bedrooms	✓		

Disclosure Statement for Owner Builders *If you as the applicant will be acting as an owner builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
---	--

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A	
92	Building Permit Application A current Building Permit Application form is to be completed and submitted for all residential projects	✓			✓
93	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	✓			✓
94	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058	✓			
95	City of Lake City A permit showing an approved waste water sewer tap			✓	✓
96	Toilet facilities shall be provided for all construction sites	✓			
97	Town of Fort White (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			✓	✓
98	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 a 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 8.5.2 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 8.5.3 of the Columbia County Land Development Regulations			✓	✓
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established			✓	✓
100	A development permit will also be required. Development permit cost is \$50.00			✓	
101	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.	✓			
102	911 Address: If the project is located in an area where a 911 address has not been issued, then application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125	✓			

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code, Building shall govern the administration and enforcement of the Florida Building Code, Residential.

Section 105 of the Florida Building Code defines the:

Time limitation of application.

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

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date of issuance of the new permit.

Work Shall Be:

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

When the submitted application is approved for permitting the applicant will be notified by phone as to the date and time a building permit will be prepared and issued by the Columbia County Building & Zoning Department

PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____

Project Name: _____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung		<i>ATRIUM SERIES 160</i>	
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Permit # (FOR STAFF USE ONLY)

PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____

Project Name: Watkins Lane + Pat

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	MASONITE	EXTERIOR DOORS	FL4334-R4
2. Sliding	MI HOME PRO	SLIDING GLASS DOORS	FL11956-R1
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	ATRIUM	INSULATED WINDOWS	FL 6752-2
2. Horizontal Slider	ATRIUM	INSULATED WINDOWS	FL 7836-1
3. Casement	ATRIUM	INSULATED WINDOWS	FL 8716
4. Double Hung			
5. Fixed	ATRIUM	INSULATED WINDOWS	FL 7834-1
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	CERTAINTED		FL12483
2. Soffits	CERTAINTED		FL13389
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block	PITTSBURGH CORNING	GLASS BLOCK	FL 1363-R4
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments	WOODLAND		FL 1814-R4
3. Roofing Fasteners			
4. Non-structural Metal Rf	BERRIDGE	STANDING SEAM	FL 11269.1
5. Built-Up Roofing			
6. Modified Bitumen	CERTAINTED		FL 2533-R3
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings	CERTAINTED	ADHESIVE (BULL)	FL 490-R2
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight	VELOX	SKYLIGHTS	FL 451-R4
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor	SIMPSON	ANCHORS	FL 2355-R3
2. Truss plates	SIMPSON		FL 10655
3. Engineered lumber	WEYHAUSER	ENGINEERED LUMBER	FL 1630-R5
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Douglas E. Edgley
 Douglas E. Edgley, Licensed Agent Signature

DOUGLAS E EDGLEY
 Print Name

7-2-10
 Date

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (386) 752-1854
FAX (386) 755-7022
904 NW MAIN BLVD.
LAKE CITY, FLORIDA 32055

August 12, 2009

Notice to All Contractors:

Re: Doug Edgley

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

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

Thank You,

Donald D. Hall

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 28726 CONTRACTOR Edley Construction PHONE 752-0580

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C _____	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	80620	Brant Stovars	Brant Stovars
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.



- Engineering
 - Geotechnical
 - Environmental
- Laboratories

Cal-Tech Testing, Inc.

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456
 4784 Rosselle St., Jacksonville, FL 32254 • Tel(904)381-8901 • Fax(904)381-8902

Permit # 28726

REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 10-00184-01
 DATE TESTED: 5/7/10
 DATE REPORTED: 5/10/10

PROJECT:	Watkins Residence, Lake City
CLIENT:	Dale's Excavation, Inc. 6139 SW SR 47, Lake City, FL 32024
GENERAL CONTRACTOR:	Dale's Excavation, Inc.
EARTHWORK CONTRACTOR:	Dale's Excavation, Inc.
INSPECTOR:	Daryn Wimpy
ASTM METHOD	SOIL USE
(D-2922) Nuclear	BUILDING FILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	MAXIMUM DENSITY
1	From NE Corner of Building 10' West x 12'	1	0-12"	112.9	12.4	100.4	PIT	103.1	97%
2	From SW Corner of Building 12' North x 8' East	1	0-12"	109.8	10.7	99.0	PIT	103.1	96%
3	From NE Corner of Building 15' West x 15'	2	0-12"	109.8	8.2	101.5	PIT	103.1	98%
4	From SW Corner of Building 8' North x 15' East	2	0-12"	107.6	5.8	101.7	PIT	103.1	99%

REMARKS: The Above Tests Meet Specified Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
PIT	Light Brown Sand (Richardson Pit)	103.1	10.2	MODIFIED (ASTM D-1557)

Respectfully Submitted,
 CAL-TECH TESTING, INC.

Linda M. Creamer
 Linda M. Creamer
 President - CEO

Reviewed By:

[Signature]
 Date: 5/10/2010
 Licensed, Florida No: 57842

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.



- Engineering
 - Geotechnical
 - Environmental
- Laboratories

Cal-Tech Testing, Inc.

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3833 • Fax(386)752-5456
 4784 Rosselle St., Jacksonville, FL 32254 • Tel(904)381-8901 • Fax(904)381-8902

REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 10-00184-01
 DATE TESTED: 5/10/10
 DATE REPORTED: 5/20/10

PROJECT: Watkins Residence, Lake City
 CLIENT: Dale's Excavation, Inc. 6139 SW SR 47, Lake City, FL 32024
 GENERAL CONTRACTOR: Dale's Excavation, Inc.
 EARTHWORK CONTRACTOR: Dale's Excavation, Inc.
 INSPECTOR: Terry Hygema

ASTM METHOD: (D-2922) Nuclear
 SOIL USE: BUILDING FILL
 SPECIFIED REQUIREMENTS: 95%

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	MAXIMUM DENSITY
5	14' North x 12' West from SE Corner of Building	12"	110.1	8.1	101.9	Pit	103.1	99%
6	12' North x 10' East from SW Corner of Building	12"	109.9	7.8	101.9	Pit	103.1	99%

REMARKS: The Above Tests Meet Specified Requirements

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
Pit	Light Brown Sand (Richardson Pit)	103.1	10.2	MODIFIED (ASTM D-1557)

Respectfully Submitted,
 CAL-TECH TESTING, INC.

Linda M. Creamer, CEO, DSE
 Linda M. Creamer
 President - CEO

Reviewed By:

[Signature]
 Date: 5/20/2010
 Licensed, Florida No. 57842

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name: 905294WatkinsRes
 Street:
 City, State, Zip: , FL ,
 Owner: Pat & Lane Watkins
 Design Location: FL, Gainesville

Builder Name:
 Permit Office:
 Permit Number:
 Jurisdiction:

1. New construction or existing	New (From Plans)	
2. Single family or multiple family	Single-family	
3. Number of units, if multiple family	1	
4. Number of Bedrooms	4	
5. Is this a worst case?	Yes	
6. Conditioned floor area (ft ²)	2630	
7. Windows	Description	Area
a. U-Factor:	Dbl, U=0.35	481.50 ft ²
SHGC:	SHGC=0.35	
b. U-Factor:	N/A	ft ²
SHGC:		
c. U-Factor:	N/A	ft ²
SHGC:		
d. U-Factor:	N/A	ft ²
SHGC:		
e. U-Factor:	N/A	ft ²
SHGC:		
8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2630.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²

9. Wall Types	Insulation	Area
a. Face Brick - Wood, Exterior	R=13.0	2232.00 ft ²
b. Frame - Wood, Adjacent	R=13.0	180.00 ft ²
c. N/A	R=	ft ²
d. N/A	R=	ft ²
10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	2684.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²
11. Ducts		
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 850 ft ²		
12. Cooling systems		
a. Central Unit	Cap: 46.0 kBtu/hr	SEER: 13
13. Heating systems		
a. Electric Heat Pump	Cap: 46.0 kBtu/hr	HSPF: 7.7
14. Hot water systems		
a. Electric	Cap: 40 gallons	EF: 0.93
b. Conservation features		
None		
15. Credits		Pstat

Glass/Floor Area: 0.183

Total As-Built Modified Loads: 42.28

Total Baseline Loads: 52.73

PASS

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

PREPARED BY:

DATE: 1/14/10 EVAN BEANSLEY

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:

PROJECT

Title: 905294WatkinsRes	Bedrooms: 4	Address Type: Street Address
Building Type: FLAsBuilt	Bathrooms: 0	Lot #
Owner: Pat & Lane Watkins	Conditioned Area: 2630	SubDivision:
# of Units: 1	Total Stories: 1	PlatBook:
Builder Name:	Worst Case: Yes	Street:
Permit Office:	Rotate Angle: 0	County: Columbia
Jurisdiction:	Cross Ventilation: No	City, State, Zip: , FL ,
Family Type: Single-family	Whole House Fan: No	
New/Existing: New (From Plans)		
Comment:		

CLIMATE

	Design Location	TMY Site	IECC Zone	Design Temp 97.5 % 2.5 %	Int Design Temp Winter Summer	Heating Degree Days	Design Moisture	Daily Temp Range
✓	FL, Gainesville	FL_GAINESVILLE_REGI	2	32 92	75 70	1305.5	51	Medium

FLOORS

	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
✓	1	Slab-On-Grade Edge Insulatio	266 ft	0	2630 ft²	0.3	0.3	0.4

ROOF

	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
✓	1	Hip	Composition shingles	2941 ft²	0 ft²	Dark	0.96	No	0	26.6 deg

ATTIC

	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
✓	1	Full attic	Vented	303	2630 ft²	N	N

CEILING

	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
✓	1	Under Attic (Vented)	30	2684 ft²	0.11	Wood

WALLS

	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
✓	1	N	Exterior	Face Brick - Wood	13	480 ft²	0	0.23	0.75
✓	2	S	Exterior	Face Brick - Wood	13	468 ft²	0	0.23	0.75
✓	3	E	Exterior	Face Brick - Wood	13	522 ft²	0	0.23	0.75
✓	4	W	Exterior	Face Brick - Wood	13	522 ft²	0	0.23	0.75
✓	5	NE	Exterior	Face Brick - Wood	13	120 ft²	0	0.23	0.75
✓	6	NW	Exterior	Face Brick - Wood	13	120 ft²	0	0.23	0.75
✓	7	??	Garage	Frame - Wood	13	180 ft²		0.23	0.01

DOORS

✓	#	Ornt	Door Type	Storms	U-Value	Area
_____	1	E	Insulated	None	0.4	20 ft²
_____	2	S	Insulated	None	0.4	20 ft²
_____	3	??	Insulated	None	0.4	20 ft²

WINDOWS

Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.

✓	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang		Int Shade	Screening
										Depth	Separation		
_____	1	N	Metal	Double (Clear)	Yes	0.35	0.35	N	15 ft²	0 ft 24 in	0 ft 30 in	HERS 2006	None
_____	2	W	Metal	Double (Clear)	Yes	0.35	0.35	N	48 ft²	0 ft 24 in	0 ft 30 in	HERS 2006	None
_____	3	NW	Metal	Double (Clear)	Yes	0.35	0.35	N	48 ft²	0 ft 96 in	0 ft 30 in	HERS 2006	None
_____	4	N	Metal	Double (Clear)	Yes	0.35	0.35	N	24 ft²	0 ft 156 in	0 ft 30 in	HERS 2006	None
_____	5	NE	Metal	Double (Clear)	Yes	0.35	0.35	N	48 ft²	0 ft 192 in	0 ft 30 in	HERS 2006	None
_____	6	E	Metal	Double (Clear)	Yes	0.35	0.35	N	20 ft²	0 ft 208 in	0 ft 54 in	HERS 2006	None
_____	7	E	Metal	Double (Clear)	Yes	0.35	0.35	N	24 ft²	0 ft 208 in	0 ft 30 in	HERS 2006	None
_____	8	N	Metal	Double (Clear)	Yes	0.35	0.35	N	30 ft²	0 ft 434 in	0 ft 42 in	HERS 2006	None
_____	9	E	Metal	Double (Clear)	Yes	0.35	0.35	N	30 ft²	0 ft 24 in	0 ft 30 in	HERS 2006	None
_____	10	N	Metal	Double (Clear)	Yes	0.35	0.35	N	15 ft²	0 ft 24 in	0 ft 42 in	HERS 2006	None
_____	11	E	Metal	Double (Clear)	Yes	0.35	0.35	N	8 ft²	0 ft 24 in	0 ft 30 in	HERS 2006	None
_____	12	S	Metal	Double (Clear)	Yes	0.35	0.35	N	12 ft²	0 ft 24 in	0 ft 30 in	HERS 2006	None
_____	13	S	Metal	Double (Clear)	Yes	0.35	0.35	N	12 ft²	0 ft 42 in	0 ft 42 in	HERS 2006	None
_____	14	S	Metal	Double (Clear)	Yes	0.35	0.35	N	30 ft²	0 ft 24 in	0 ft 30 in	HERS 2006	None
_____	15	S	Metal	Double (Clear)	Yes	0.35	0.35	N	20 ft²	0 ft 96 in	0 ft 54 in	HERS 2006	None
_____	16	S	Metal	Double (Clear)	Yes	0.35	0.35	N	14.5 ft²	0 ft 96 in	0 ft 13 in	HERS 2006	None
_____	17	S	Metal	Double (Clear)	Yes	0.35	0.35	N	15 ft²	0 ft 24 in	0 ft 30 in	HERS 2006	None
_____	18	W	Metal	Double (Clear)	Yes	0.35	0.35	N	60 ft²	0 ft 24 in	0 ft 30 in	HERS 2006	None
_____	19	W	Metal	Double (Clear)	Yes	0.35	0.35	N	8 ft²	0 ft 24 in	0 ft 30 in	HERS 2006	None

INFILTRATION & VENTING

✓	Method	SLA	CFM 50	ACH 50	ELA	EqLA	--- Forced Ventilation ---		Run Time	Fan
							Supply CFM	Exhaust CFM	Fraction	Watts
_____	Default	0.00036	2483	6.30	136.3	256.4	0 cfm	0 cfm	0	0

GARAGE

✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	855.36 ft²	855.36 ft²	103 ft	9 ft	(invalid)

COOLING SYSTEM												
✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless				
✓	1	Central Unit	None	SEER: 13	46 kBtu/hr	1380 cfm	0.75					

HEATING SYSTEM						
✓	#	System Type	Subtype	Efficiency	Capacity	Ductless
✓	1	Electric Heat Pump	None	HSPF: 7.7	46 kBtu/hr	

HOT WATER SYSTEM							
✓	#	System Type	EF	Cap	Use	SetPnt	Conservation
✓	1	Electric	0.93	40 gal	70 gal	120 deg	None

SOLAR HOT WATER SYSTEM							
✓	FSEC	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
✓	None	None					

DUCTS												
✓	#	--- Supply ---			--- Return ---		Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
		Location	R-Value	Area	Location	Area						
✓	1	Attic	6	850 ft²	Attic	1 ft²	Default Leakage	Interior				

TEMPERATURES																								
Programable Thermostat: Y				Ceiling Fans:																				
Cooling	☒	Jan	☒	Feb	☒	Mar	☒	Apr	☒	May	☒	Jun	☒	Jul	☒	Aug	☒	Sep	☒	Oct	☒	Nov	☒	Dec
Heating	☒	Jan	☒	Feb	☒	Mar	☒	Apr	☒	May	☒	Jun	☒	Jul	☒	Aug	☒	Sep	☒	Oct	☒	Nov	☒	Dec
Venting	☒	Jan	☒	Feb	☒	Mar	☒	Apr	☒	May	☒	Jun	☒	Jul	☒	Aug	☒	Sep	☒	Oct	☒	Nov	☒	Dec
Thermostat Schedule: HERS 2006 Reference														Hours										
Schedule Type			1	2	3	4	5	6	7	8	9	10	11	12										
Cooling (WD)	AM		78	78	78	78	78	78	78	78	80	80	80	80										
	PM		80	80	78	78	78	78	78	78	78	78	78	78										
Cooling (WEH)	AM		78	78	78	78	78	78	78	78	78	78	78	78										
	PM		78	78	78	78	78	78	78	78	78	78	78	78										
Heating (WD)	AM		66	66	66	66	66	68	68	68	68	68	68	68										
	PM		68	68	68	68	68	68	68	68	68	68	68	66	66									
Heating (WEH)	AM		66	66	66	66	66	68	68	68	68	68	68	68										
	PM		68	68	68	68	68	68	68	68	68	68	68	66	66									

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS:

, FL,

PERMIT #:

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.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	N1106.AB.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	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to 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	N1106.AB.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 with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	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%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	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 INDEX* = 80

The lower the EnergyPerformance Index, the more efficient the home.

, , FL,

1. New construction or existing	New (From Plans)		9. Wall Types	Insulation	Area
2. Single family or multiple family	Single-family		a. Face Brick - Wood, Exterior	R=13.0	2232.00 ft ²
3. Number of units, if multiple family	1		b. Frame - Wood, Adjacent	R=13.0	180.00 ft ²
4. Number of Bedrooms	4		c. N/A	R=	ft ²
5. Is this a worst case?	Yes		d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	2630		10. Ceiling Types	Insulation	Area
7. Windows**	Description	Area	a. Under Attic (Vented)	R=30.0	2684.00 ft ²
a. U-Factor:	Dbl, U=0.35	481.50 ft ²	b. N/A	R=	ft ²
SHGC:	SHGC=0.35		c. N/A	R=	ft ²
b. U-Factor:	N/A	ft ²	11. Ducts		
SHGC:			a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 850 ft ²		
c. U-Factor:	N/A	ft ²	12. Cooling systems		
SHGC:			a. Central Unit	Cap: 46.0 kBtu/hr	SEER: 13
d. U-Factor:	N/A	ft ²	13. Heating systems		
SHGC:			a. Electric Heat Pump	Cap: 46.0 kBtu/hr	HSPF: 7.7
e. U-Factor:	N/A	ft ²	14. Hot water systems		
SHGC:			a. Electric	Cap: 40 gallons	EF: 0.93
8. Floor Types	Insulation	Area	b. Conservation features		
a. Slab-On-Grade Edge Insulation	R=0.0	2630.00 ft ²	None		
b. N/A	R=	ft ²	15. Credits		Pstat
c. N/A	R=	ft ²			

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 Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for 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 energygauge.com for information and a list of certified Raters. For information about Florida's Energy Efficiency Code for Building Construction, contact the

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 80

The lower the EnergyPerformance Index, the more efficient the home.

, , FL,

1. New construction or existing	New (From Plans)		9. Wall Types	Insulation	Area
2. Single family or multiple family	Single-family		a. Face Brick - Wood, Exterior	R=13.0	2232.00 ft ²
3. Number of units, if multiple family	1		b. Frame - Wood, Adjacent	R=13.0	180.00 ft ²
4. Number of Bedrooms	4		c. N/A	R=	ft ²
5. Is this a worst case?	Yes		d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	2630		10. Ceiling Types	Insulation	Area
7. Windows**	Description	Area	a. Under Attic (Vented)	R=30.0	2684.00 ft ²
a. U-Factor:	Dbl, U=0.35	481.50 ft ²	b. N/A	R=	ft ²
SHGC:	SHGC=0.35		c. N/A	R=	ft ²
b. U-Factor:	N/A	ft ²	11. Ducts		
SHGC:			a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 850 ft ²		
c. U-Factor:	N/A	ft ²	12. Cooling systems		
SHGC:			a. Central Unit	Cap: 46.0 kBtu/hr	
d. U-Factor:	N/A	ft ²		SEER: 13	
SHGC:			13. Heating systems		
e. U-Factor:	N/A	ft ²	a. Electric Heat Pump	Cap: 46.0 kBtu/hr	
SHGC:				HSPF: 7.7	
8. Floor Types	Insulation	Area	14. Hot water systems		
a. Slab-On-Grade Edge Insulation	R=0.0	2630.00 ft ²	a. Electric	Cap: 40 gallons	
b. N/A	R=	ft ²		EF: 0.93	
c. N/A	R=	ft ²	b. Conservation features		
			None		
			15. Credits		Pstat

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.

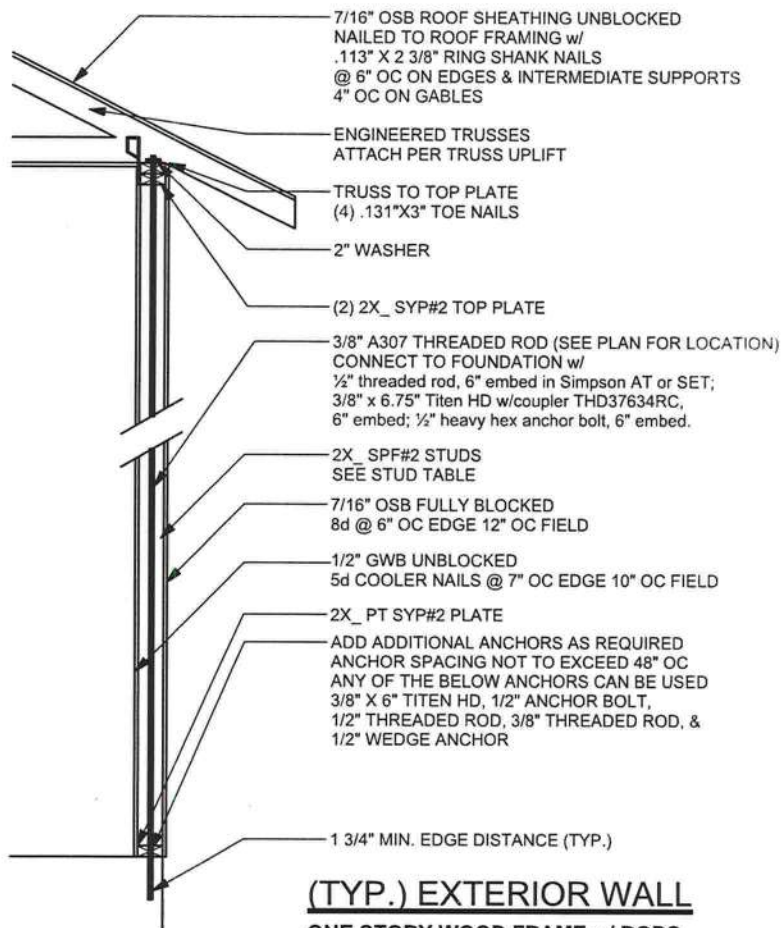
Builder Signature: _____ Date: _____

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

Department of Community Affairs at (850) 487-1824.



**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.



ADDENDUM TO CHANGE FROM 1/2" RODS TO 3/8" RODS:
IT IS OK TO USE 3/8" RODS IN PLACE OF 1/2" RODS

3/8" ROD = 2105LB

3/8" x 6 3/4" TITEN HD w/CMU CHAIR BLOCK = 2645LB



WINDLOAD ENGINEER:
Mark Disosway, PE
No.53915, POB 868, Lake City, FL 32056,
386-754-5419

DIMENSIONS:
Stated dimensions supercede scaled
dimensions. Refer all questions to
Mark Disosway, P.E. for resolution.
Do not proceed without clarification.

COPYRIGHTS AND PROPERTY RIGHTS:
Mark Disosway, P.E. hereby expressly
reserves its common law copyrights and
property right in these instruments of service.
This document is not to be reproduced, altered
or copied in any form or manner without first
the express written permission and consent
of Mark Disosway.

CERTIFICATION: I hereby certify that I have
examined this plan, and that the applicable
portions of the plan, relating to
wind engineering comply with section
R301.2.1, florida building code
residential 2007,
to the best of my knowledge.

LIMITATION: This design is valid for one
building, at specified location.

MARK DISOSWAY
P.E. 53915

SEAL

Permit #
28724

Watkins Residence

ADDRESS:
Columbia County, Florida

Mark Disosway P.E.
P.O. Box 868
Lake City, Florida 32056
Phone: (386) 754 - 5419
Fax: (386) 269 - 4871

PRINTED DATE:
December 29, 2010

DRAWN BY:
David Disosway

STRUCTURAL BY:
David Disosway

FINALS DATE:
12Jan10

JOB NUMBER:
905294



Permit # 28726







Residential System Sizing Calculation

Summary

Pat & Lane Watkins

Project Title:
905294WatkinsRes.

Class 3 Rating
Registration No. 0
Climate: North

, FL

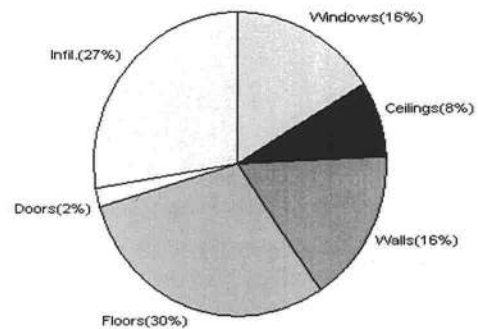
1/14/2010

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	38603 Btuh	Total cooling load calculation	33285 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	119.2 46000	Sensible (SHR = 0.75)	128.8 34500
Heat Pump + Auxiliary(0.0kW)	119.2 46000	Latent	176.9 11500
		Total (Electric Heat Pump)	138.2 46000

WINTER CALCULATIONS

Winter Heating Load (for 2630 sqft)

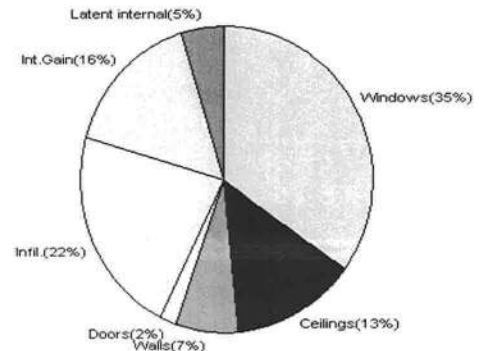
Load component		Load
Window total	482 sqft	6235 Btuh
Wall total	1909 sqft	6268 Btuh
Door total	60 sqft	777 Btuh
Ceiling total	2684 sqft	3163 Btuh
Floor total	266 sqft	11614 Btuh
Infiltration	260 cfm	10547 Btuh
Duct loss		0 Btuh
Subtotal		38603 Btuh
Ventilation	0 cfm	0 Btuh
TOTAL HEAT LOSS		38603 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2630 sqft)

Load component		Load
Window total	482 sqft	11600 Btuh
Wall total	1909 sqft	2414 Btuh
Door total	60 sqft	588 Btuh
Ceiling total	2684 sqft	4445 Btuh
Floor total		0 Btuh
Infiltration	134 cfm	2496 Btuh
Internal gain		5240 Btuh
Duct gain		0 Btuh
Sens. Ventilation	0 cfm	0 Btuh
Total sensible gain		26783 Btuh
Latent gain(ducts)		0 Btuh
Latent gain(infiltration)		4902 Btuh
Latent gain(ventilation)		0 Btuh
Latent gain(internal/occupants/other)		1600 Btuh
Total latent gain		6502 Btuh
TOTAL HEAT GAIN		33285 Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE: 1/14/10 EVAN BEAMSLEY

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Pat & Lane Watkins

Project Title:
905294WatkinsRes.

Class 3 Rating
Registration No. 0
Climate: North

, FL

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

1/14/2010

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, SHGC=0.35, Metal, 0.35	NW	15.0		12.9	194 Btuh
2	2, SHGC=0.35, Metal, 0.35	SW	48.0		12.9	622 Btuh
3	2, SHGC=0.35, Metal, 0.35	W	48.0		12.9	622 Btuh
4	2, SHGC=0.35, Metal, 0.35	NW	24.0		12.9	311 Btuh
5	2, SHGC=0.35, Metal, 0.35	N	48.0		12.9	622 Btuh
6	2, SHGC=0.35, Metal, 0.35	NE	20.0		12.9	259 Btuh
7	2, SHGC=0.35, Metal, 0.35	NE	24.0		12.9	311 Btuh
8	2, SHGC=0.35, Metal, 0.35	NW	30.0		12.9	388 Btuh
9	2, SHGC=0.35, Metal, 0.35	NE	30.0		12.9	388 Btuh
10	2, SHGC=0.35, Metal, 0.35	NW	15.0		12.9	194 Btuh
11	2, SHGC=0.35, Metal, 0.35	NE	8.0		12.9	104 Btuh
12	2, SHGC=0.35, Metal, 0.35	SE	12.0		12.9	155 Btuh
13	2, SHGC=0.35, Metal, 0.35	SE	12.0		12.9	155 Btuh
14	2, SHGC=0.35, Metal, 0.35	SE	30.0		12.9	388 Btuh
15	2, SHGC=0.35, Metal, 0.35	SE	20.0		12.9	259 Btuh
16	2, SHGC=0.35, Metal, 0.35	SE	14.5		12.9	188 Btuh
17	2, SHGC=0.35, Metal, 0.35	SE	15.0		12.9	194 Btuh
18	2, SHGC=0.35, Metal, 0.35	SW	60.0		12.9	777 Btuh
19	2, SHGC=0.35, Metal, 0.35	SW	8.0		12.9	104 Btuh
Window Total			482(sqft)			6235 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Face Brick - Wood - Ext(0.09)	13.0	1749		3.3	5742 Btuh
2	Frame - Wood - Adj(0.09)	13.0	160		3.3	525 Btuh
Wall Total			1909			6268 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	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	2684		1.2	3163 Btuh
Ceiling Total			2684			3163Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	266.0 ft(p)		43.7	11614 Btuh
Floor Total			266			11614 Btuh
Zone Envelope Subtotal:						28056 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		Load
	Natural	0.66	23670	260.4		10547 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Pat & Lane Watkins
, FL

Project Title:
905294WatkinsRes.

Class 3 Rating
Registration No. 0
Climate: North

1/14/2010

Zone #1	Sensible Zone Subtotal	38603 Btuh
---------	------------------------	------------

WHOLE HOUSE TOTALS

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	38603 Btuh 0 Btuh 38603 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

Pat & Lane Watkins

Project Title:
905294WatkinsRes.

Class 3 Rating
Registration No. 0
Climate: North

, FL

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

1/14/2010

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, SHGC=0.35, Metal, 0.35	NW	15.0	12.9	194 Btuh
2	2, SHGC=0.35, Metal, 0.35	SW	48.0	12.9	622 Btuh
3	2, SHGC=0.35, Metal, 0.35	W	48.0	12.9	622 Btuh
4	2, SHGC=0.35, Metal, 0.35	NW	24.0	12.9	311 Btuh
5	2, SHGC=0.35, Metal, 0.35	N	48.0	12.9	622 Btuh
6	2, SHGC=0.35, Metal, 0.35	NE	20.0	12.9	259 Btuh
7	2, SHGC=0.35, Metal, 0.35	NE	24.0	12.9	311 Btuh
8	2, SHGC=0.35, Metal, 0.35	NW	30.0	12.9	388 Btuh
9	2, SHGC=0.35, Metal, 0.35	NE	30.0	12.9	388 Btuh
10	2, SHGC=0.35, Metal, 0.35	NW	15.0	12.9	194 Btuh
11	2, SHGC=0.35, Metal, 0.35	NE	8.0	12.9	104 Btuh
12	2, SHGC=0.35, Metal, 0.35	SE	12.0	12.9	155 Btuh
13	2, SHGC=0.35, Metal, 0.35	SE	12.0	12.9	155 Btuh
14	2, SHGC=0.35, Metal, 0.35	SE	30.0	12.9	388 Btuh
15	2, SHGC=0.35, Metal, 0.35	SE	20.0	12.9	259 Btuh
16	2, SHGC=0.35, Metal, 0.35	SE	14.5	12.9	188 Btuh
17	2, SHGC=0.35, Metal, 0.35	SE	15.0	12.9	194 Btuh
18	2, SHGC=0.35, Metal, 0.35	SW	60.0	12.9	777 Btuh
19	2, SHGC=0.35, Metal, 0.35	SW	8.0	12.9	104 Btuh
Window Total			482(sqft)		6235 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Face Brick - Wood - Ext(0.09)	13.0	1749	3.3	5742 Btuh
2	Frame - Wood - Adj(0.09)	13.0	160	3.3	525 Btuh
Wall Total			1909		6268 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
3	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	2684	1.2	3163 Btuh
Ceiling Total			2684		3163Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	266.0 ft(p)	43.7	11614 Btuh
Floor Total			266		11614 Btuh
Zone Envelope Subtotal:					28056 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.66	23670	260.4	10547 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Pat & Lane Watkins
, FL

Project Title:
905294WatkinsRes.

Class 3 Rating
Registration No. 0
Climate: North

1/14/2010

Zone #1	Sensible Zone Subtotal	38603 Btuh
---------	------------------------	------------

WHOLE HOUSE TOTALS

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	38603 Btuh 0 Btuh 38603 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

Pat & Lane Watkins

Project Title:
905294WatkinsRes.

Class 3 Rating
Registration No. 0
Climate: North

, FL

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

1/14/2010

Component Loads for Whole House

Window	Type*			Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, SHGC=0.35, 0.35, None,N,N	NW		2ft.	7ft.	15.0	0.0	15.0	13	30	444	Btuh
2	2, SHGC=0.35, 0.35, None,N,N	SW		2ft.	8ft.	48.0	10.9	37.1	13	31	1291	Btuh
3	2, SHGC=0.35, 0.35, None,N,N	W		8ft.	8ft.	48.0	37.1	10.9	13	40	928	Btuh
4	2, SHGC=0.35, 0.35, None,N,N	NW		13ft.	8ft.	24.0	0.0	24.0	13	30	710	Btuh
5	2, SHGC=0.35, 0.35, None,N,N	N		16ft.	8ft.	48.0	0.0	48.0	13	13	641	Btuh
6	2, SHGC=0.35, 0.35, None,N,N	NE		17.3	9ft.	20.0	0.0	20.0	13	30	592	Btuh
7	2, SHGC=0.35, 0.35, None,N,N	NE		17.3	8ft.	24.0	0.0	24.0	13	30	710	Btuh
8	2, SHGC=0.35, 0.35, None,N,N	NW		36.1	8ft.	30.0	0.0	30.0	13	30	888	Btuh
9	2, SHGC=0.35, 0.35, None,N,N	NE		2ft.	7ft.	30.0	0.0	30.0	13	30	888	Btuh
10	2, SHGC=0.35, 0.35, None,N,N	NW		2ft.	8ft.	15.0	0.0	15.0	13	30	444	Btuh
11	2, SHGC=0.35, 0.35, None,N,N	NE		2ft.	4ft.	8.0	0.0	8.0	13	30	237	Btuh
12	2, SHGC=0.35, 0.35, None,N,N	SE		2ft.	5ft.	12.0	5.5	6.5	13	31	275	Btuh
13	2, SHGC=0.35, 0.35, None,N,N	SE		3.5ft.	6ft.	12.0	11.5	0.5	13	31	168	Btuh
14	2, SHGC=0.35, 0.35, None,N,N	SE		2ft.	7ft.	30.0	8.2	21.8	13	31	783	Btuh
15	2, SHGC=0.35, 0.35, None,N,N	SE		8ft.	9ft.	20.0	20.0	0.0	13	31	267	Btuh
16	2, SHGC=0.35, 0.35, None,N,N	SE		8ft.	3.5ft.	14.5	14.5	0.0	13	31	194	Btuh
17	2, SHGC=0.35, 0.35, None,N,N	SE		2ft.	7ft.	15.0	4.1	10.9	13	31	392	Btuh
18	2, SHGC=0.35, 0.35, None,N,N	SW		2ft.	7ft.	60.0	16.4	43.6	13	31	1566	Btuh
19	2, SHGC=0.35, 0.35, None,N,N	SW		2ft.	5ft.	8.0	3.6	4.4	13	31	183	Btuh
Window Total						482 (sqft)					11600 Btuh	
Walls	Type			R-Value/U-Value			Area(sqft)		HTM		Load	
1	Face Brick - Wood - Ext			13.0/0.09			1748.5		1.2		2173 Btuh	
2	Frame - Wood - Adj			13.0/0.09			160.0		1.5		241 Btuh	
Wall Total						1909 (sqft)					2414 Btuh	
Doors	Type						Area (sqft)		HTM		Load	
1	Insulated - Adjacent						20.0		9.8		196 Btuh	
2	Insulated - Exterior						20.0		9.8		196 Btuh	
3	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			2684.0		1.7		4445 Btuh	
Ceiling Total						2684 (sqft)					4445 Btuh	
Floors	Type			R-Value			Size		HTM		Load	
1	Slab On Grade			0.0			266 (ft(p))		0.0		0 Btuh	
Floor Total						266.0 (sqft)					0 Btuh	
Zone Envelope Subtotal:											19047 Btuh	
Infiltration	Type			ACH			Volume(cuft)		CFM=		Load	
	SensibleNatural			0.34			23670		134.1		2496 Btuh	
Internal gain				Occupants			Btuh/occupant		Appliance		Load	
				8			X 230 +		3400		5240 Btuh	
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)								DGM = 0.00		0.0 Btuh	
Sensible Zone Load											26783 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Pat & Lane Watkins
 , FL

Project Title:
 905294WatkinsRes.

Class 3 Rating
 Registration No. 0
 Climate: North

1/14/2010

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	26783 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	26783 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	26783 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4902 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	6502 Btuh
	TOTAL GAIN	33285 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

Pat & Lane Watkins

Project Title:
905294WatkinsRes.

Class 3 Rating
Registration No. 0
Climate: North

, FL

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

1/14/2010

Component Loads for Zone #1: Main

Window	Type*			Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, SHGC=0.35, 0.35, None,N,N	NW		2ft.	7ft.	15.0	0.0	15.0	13	30	444	Btuh
2	2, SHGC=0.35, 0.35, None,N,N	SW		2ft.	8ft.	48.0	10.9	37.1	13	31	1291	Btuh
3	2, SHGC=0.35, 0.35, None,N,N	W		8ft.	8ft.	48.0	37.1	10.9	13	40	928	Btuh
4	2, SHGC=0.35, 0.35, None,N,N	NW		13ft.	8ft.	24.0	0.0	24.0	13	30	710	Btuh
5	2, SHGC=0.35, 0.35, None,N,N	N		16ft.	8ft.	48.0	0.0	48.0	13	13	641	Btuh
6	2, SHGC=0.35, 0.35, None,N,N	NE		17.3	9ft.	20.0	0.0	20.0	13	30	592	Btuh
7	2, SHGC=0.35, 0.35, None,N,N	NE		17.3	8ft.	24.0	0.0	24.0	13	30	710	Btuh
8	2, SHGC=0.35, 0.35, None,N,N	NW		36.1	8ft.	30.0	0.0	30.0	13	30	888	Btuh
9	2, SHGC=0.35, 0.35, None,N,N	NE		2ft.	7ft.	30.0	0.0	30.0	13	30	888	Btuh
10	2, SHGC=0.35, 0.35, None,N,N	NW		2ft.	8ft.	15.0	0.0	15.0	13	30	444	Btuh
11	2, SHGC=0.35, 0.35, None,N,N	NE		2ft.	4ft.	8.0	0.0	8.0	13	30	237	Btuh
12	2, SHGC=0.35, 0.35, None,N,N	SE		2ft.	5ft.	12.0	5.5	6.5	13	31	275	Btuh
13	2, SHGC=0.35, 0.35, None,N,N	SE		3.5ft.	6ft.	12.0	11.5	0.5	13	31	168	Btuh
14	2, SHGC=0.35, 0.35, None,N,N	SE		2ft.	7ft.	30.0	8.2	21.8	13	31	783	Btuh
15	2, SHGC=0.35, 0.35, None,N,N	SE		8ft.	9ft.	20.0	20.0	0.0	13	31	267	Btuh
16	2, SHGC=0.35, 0.35, None,N,N	SE		8ft.	3.5ft.	14.5	14.5	0.0	13	31	194	Btuh
17	2, SHGC=0.35, 0.35, None,N,N	SE		2ft.	7ft.	15.0	4.1	10.9	13	31	392	Btuh
18	2, SHGC=0.35, 0.35, None,N,N	SW		2ft.	7ft.	60.0	16.4	43.6	13	31	1566	Btuh
19	2, SHGC=0.35, 0.35, None,N,N	SW		2ft.	5ft.	8.0	3.6	4.4	13	31	183	Btuh
Window Total						482 (sqft)					11600 Btuh	
Walls	Type			R-Value/U-Value		Area(sqft)			HTM		Load	
1	Face Brick - Wood - Ext			13.0/0.09		1748.5			1.2		2173 Btuh	
2	Frame - Wood - Adj			13.0/0.09		160.0			1.5		241 Btuh	
Wall Total						1909 (sqft)					2414 Btuh	
Doors	Type					Area (sqft)			HTM		Load	
1	Insulated - Adjacent					20.0			9.8		196 Btuh	
2	Insulated - Exterior					20.0			9.8		196 Btuh	
3	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		2684.0			1.7		4445 Btuh	
Ceiling Total						2684 (sqft)					4445 Btuh	
Floors	Type			R-Value		Size			HTM		Load	
1	Slab On Grade			0.0		266 (ft(p))			0.0		0 Btuh	
Floor Total						266.0 (sqft)					0 Btuh	
Zone Envelope Subtotal:											19047 Btuh	
Infiltration	Type			ACH		Volume(cuft)			CFM=		Load	
	SensibleNatural			0.34		23670			134.1		2496 Btuh	
Internal gain				Occupants		Btuh/occupant			Appliance		Load	
				8		X 230 +			3400		5240 Btuh	
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)								DGM = 0.00		0.0 Btuh	
Sensible Zone Load											26783 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Pat & Lane Watkins
 , FL

Project Title:
 905294WatkinsRes.

Class 3 Rating
 Registration No. 0
 Climate: North

1/14/2010

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	26783 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	26783 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	26783 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4902 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	6502 Btuh
	TOTAL GAIN	33285 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

Pat & Lane Watkins

Project Title:
905294WatkinsRes.

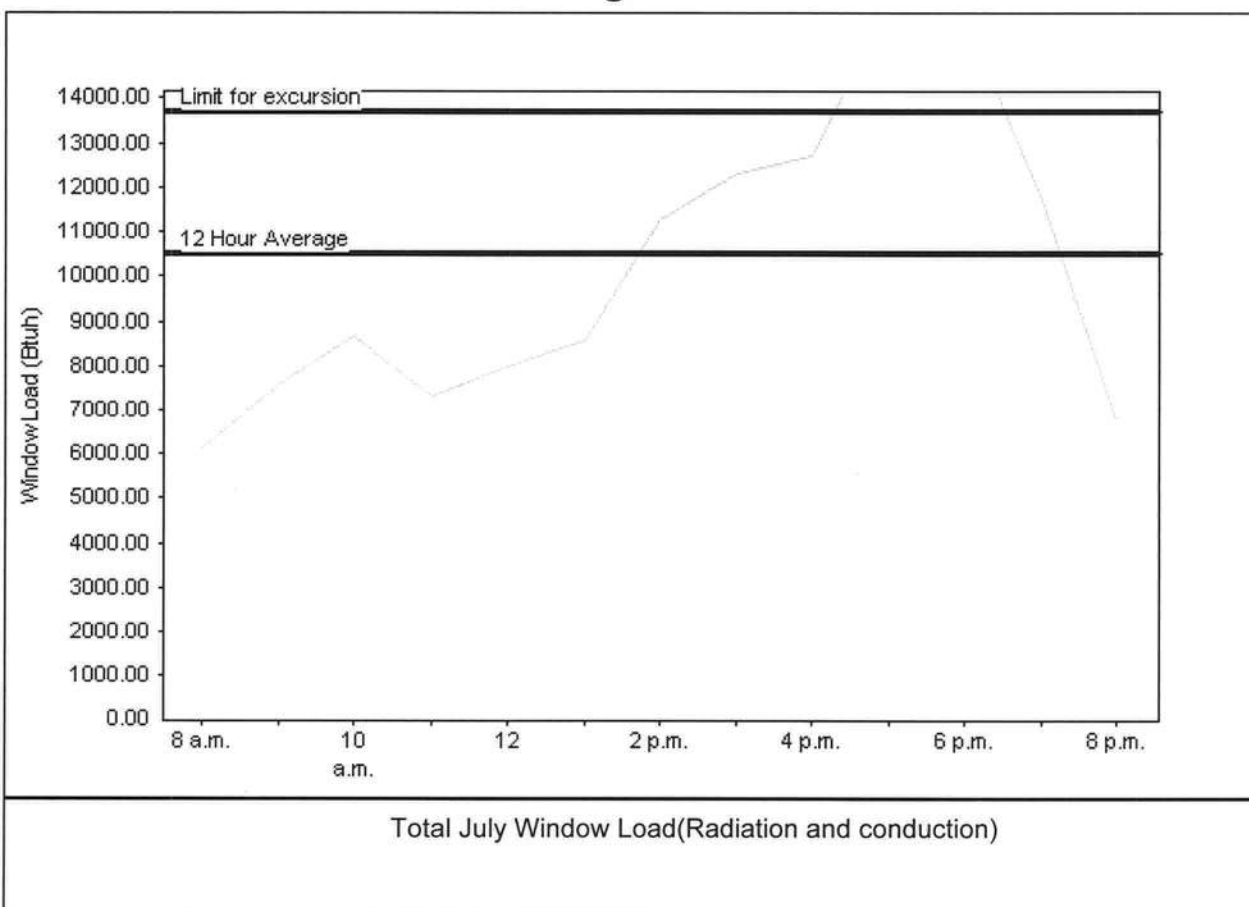
Class 3 Rating
Registration No. 0
Climate: North

1/14/2010

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	10530 Btu
Summer setpoint	75 F	Peak window load for July	16361 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	13689 Btu
Latitude	29 North	Window excursion (July)	2672 Btuh

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY:

DATE:

1/14/10 EVAN BEAMSCY

EnergyGauge® FLR2PB v4.1



Watkins JOB#

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:ITXP8228Z0118152010

Truss Fabricator: Anderson Truss Company
Job Identification: 9-244--Fill in later EDGLEY -- , **
Truss Count: 75
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Version 9.02.
Structural Engineer of Record: The identity of the structural EOR did not exist as of the seal date per section 61G15-31.003(5a) of the FAC
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-05 -Closed

DF

Seal Date: 12/18/2009

-Truss Design Engineer-
Doug Fleming

Florida License Number: 66648
1950 Marley Drive
Haines City, FL 33844

Notes:

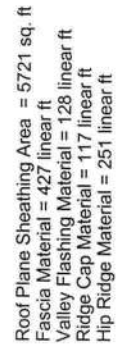
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

Details: BRCLBSUB-CNNAILSP-HIPFRAME-A1101505-GBLLETIN-

#	Ref	Description	Drawing#	Date
1	60293--HJ7		09352001	12/18/09
2	60294--HJ1.2		09352002	12/18/09
3	60295--T42		09352003	12/18/09
4	60296--H7A		09352004	12/18/09
5	60297--H9A		09352005	12/18/09
6	60298--H11A		09352006	12/18/09
7	60299--H13A		09352007	12/18/09
8	60300--H15A		09352008	12/18/09
9	60301--H17A		09352009	12/18/09
10	60302--H19A		09352010	12/18/09
11	60303--A		09352011	12/18/09
12	60304--AG		09352014	12/18/09
13	60305--H7B		09352068	12/18/09
14	60306--H7B1		09352063	12/18/09
15	60307--H9B1		09352012	12/18/09
16	60308--H11B1		09352013	12/18/09
17	60309--H13B1		09352014	12/18/09
18	60310--H15B1		09352022	12/18/09
19	60311--B10		09352023	12/18/09
20	60312--B9		09352024	12/18/09
21	60313--H9B		09352025	12/18/09
22	60314--H11B		09352026	12/18/09
23	60315--BH1		09352027	12/18/09
24	60316--BH2		09352028	12/18/09
25	60317--BH3		09352029	12/18/09
26	60318--B1		09352030	12/18/09
27	60319--B2		09352031	12/18/09
28	60320--B3		09352032	12/18/09
29	60321--B4		09352033	12/18/09
30	60322--B5		09352034	12/18/09
31	60323--B6		09352035	12/18/09
32	60324--B7		09352036	12/18/09
33	60325--B8		09352037	12/18/09
34	60326--H7C		09352064	12/18/09
35	60327--C		09352015	12/18/09
36	60328--C1		09352038	12/18/09
37	60329--C2		09352039	12/18/09
38	60330--C3		09352040	12/18/09

#	Ref	Description	Drawing#	Date
39	60331--H7D		09352065	12/18/09
40	60332--HM7D		09352066	12/18/09
41	60333--H9D		09352016	12/18/09
42	60334--D		09352017	12/18/09
43	60335--D5		09352041	12/18/09
44	60336--D4		09352042	12/18/09
45	60337--D3		09352043	12/18/09
46	60338--D2		09352044	12/18/09
47	60339--D1		09352045	12/18/09
48	60340--HM9D		09352046	12/18/09
49	60341--E		09352018	12/18/09
50	60342--EG2		09352067	12/18/09
51	60343--EG1		09352075	12/18/09
52	60344--HF2		09352069	12/18/09
53	60345--HF1		09352070	12/18/09
54	60346--HF1A		09352071	12/18/09
55	60347--HF3		09352072	12/18/09
56	60348--H7G		09352059	12/18/09
57	60349--H9G		09352047	12/18/09
58	60350--G		09352048	12/18/09
59	60351--EJ7		09352049	12/18/09
60	60352--EJ7		09352050	12/18/09
61	60353--CJ5		09352051	12/18/09
62	60354--HJ7		09352060	12/18/09
63	60355--CJ3		09352052	12/18/09
64	60356--CJ1		09352053	12/18/09
65	60357--CJ5		09352054	12/18/09
66	60358--CJ3		09352055	12/18/09
67	60359--CJ1		09352056	12/18/09
68	60360--EJ7S		09352019	12/18/09
69	60361--EJ1.4		09352057	12/18/09
70	60362--EJ7H		09352058	12/18/09
71	60363--EJ7G		09352061	12/18/09
72	60364--KGE		09352021	12/18/09
73	60365--K		09352020	12/18/09
74	60366--K1		09352073	12/18/09
75	60367--H1.4L		09352062	12/18/09



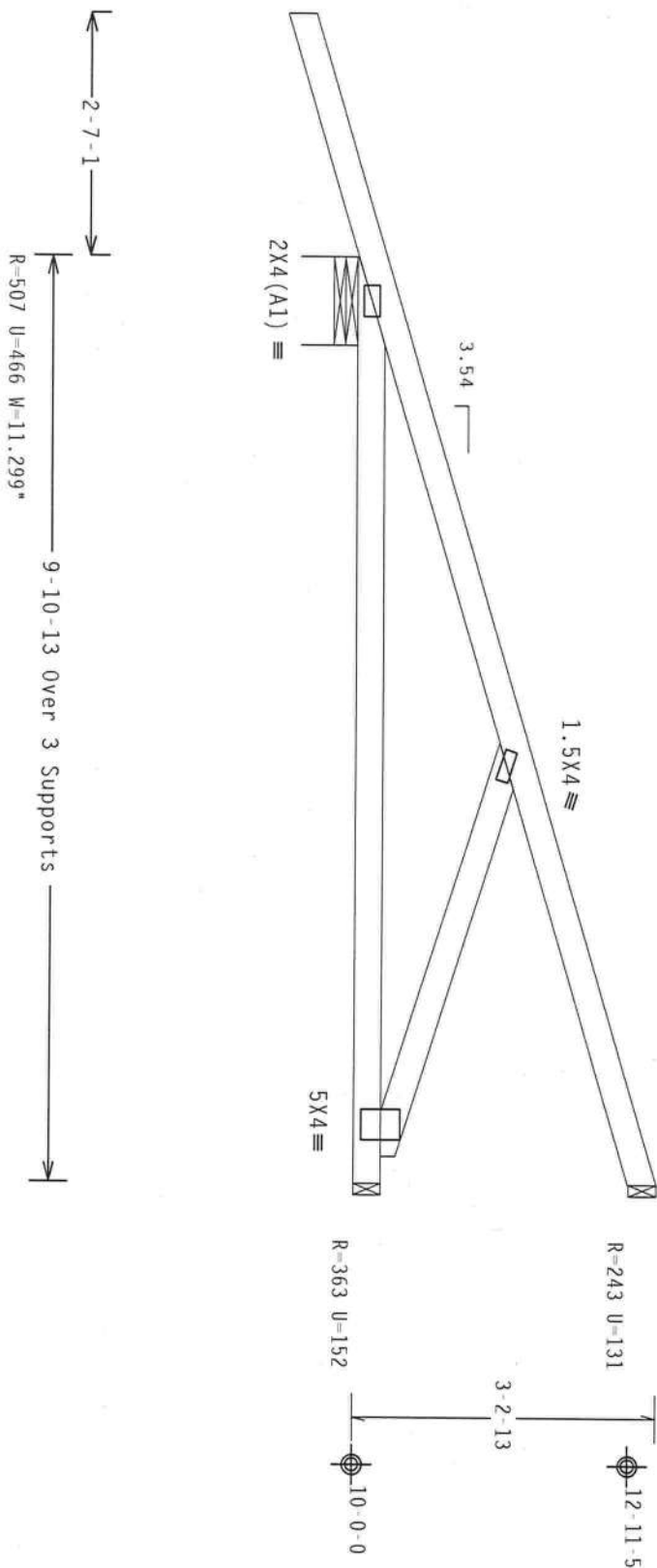


Hipjack supports 7-0-0 setback jacks with no webs.

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

110 mph wind 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, Cat II, Exp C, Wind TC DL=5.0 psf, Wind BC DL=5.0 psf. $I_w=1.00$ Gcpl(+/-)=0.18

Wind reactions based on MFRS pressures.



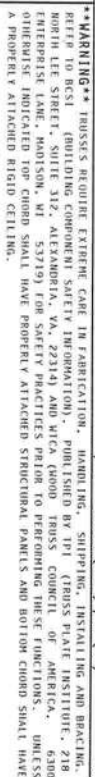
PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=20%(0%)/0(0)	9.02.00
--------------------	---------

QTY:2 FL/-/4/-/-/R/-

Scale = .5" / Ft.



A PROPERLY ATTACHED RIGID CEILING

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

[illegible]

TC LL	20.0 PSF	REF	R8228 - 60293
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352001
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	67584
DUR.FAC.	1.25	FROM	AH
SDACTING	24 0"	DATE	11/26/200701

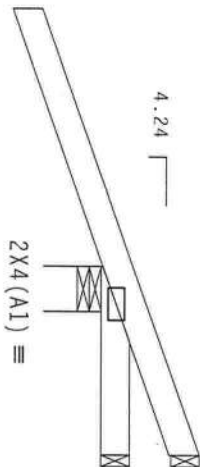
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Hipjack supports 1-4-8 setback jacks with no webs.

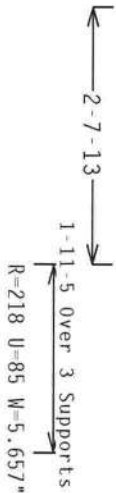
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18
Wind reactions based on MMFRS pressures.
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

R=-40 Rw=15 U=0



R=-32 Rw=16 U=0



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=20%(0%)/0(0)

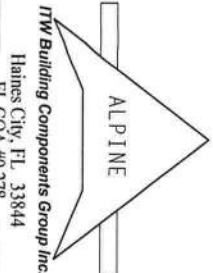
9.02.00

QTY:2 FL/-/4/-/R/-

Scale =.5"/Ft.

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS&L (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH 10TH STREET, SUITE 22314, CHICAGO, ILL. 60607) FOR THE LATEST EDITIONS OF THE TRUSS PLATE INSTITUTE, 218 NORTH 10TH STREET, SUITE 22314, CHICAGO, ILL. 60607. EXTERIOR LANE HOISTING, IN 52719, FOR THE LATEST EDITIONS OF THE TRUSS PLATE INSTITUTE, 218 NORTH 10TH STREET, SUITE 22314, CHICAGO, ILL. 60607. 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. JTW RCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING, OR BRACING OF TRUSSES, BY A/R/A/A AND TPI. JTW RCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY A/R/A/A) AND TPI. JTW RCG CONNECTOR PLATES ARE MADE OF 20/10/16GA (W/H/SS/S) ASTM A653 GRADE 40/60 (W, R/H, SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER A/R/A/A OR TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER A/R/A/A SEC. 2.



TC LL	20.0 PSF	REF	R8228- 60294
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352002
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	59107
DUR.FAC.	1.25	FROM	AH
SPACING	24 0"	DATE	11YD8228701

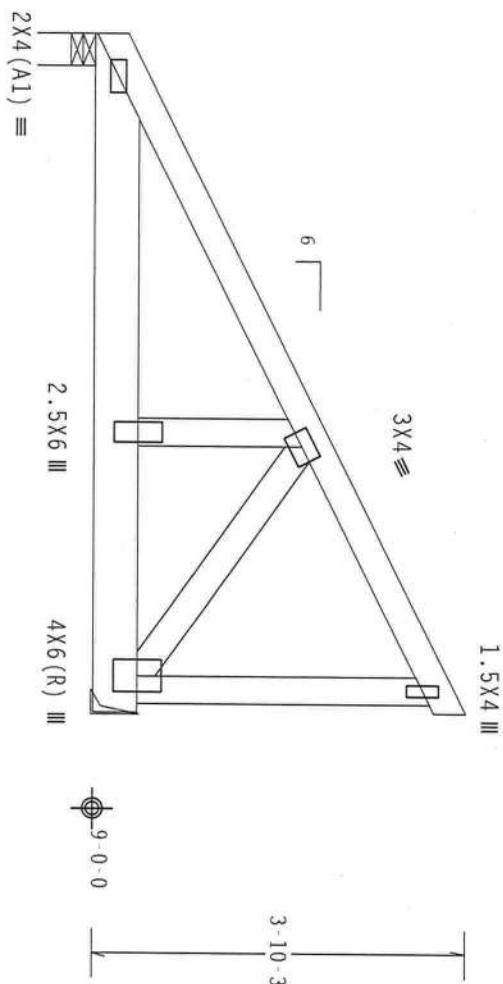
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 gcpi (+/-)=0.18

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

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
BC - From 20 plf at 0.00 to 20 plf at 7.00
BC - 294 lb Conc. Load at 1.40 , 3.40, 5.40

Right end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.



7-0-0 Over 2 Supports $R=749$ $U=143$ $W=4"$

R-708 U-136 H-Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 16d Common, 0.162"x3.5" nails in Girder
Girder is (1)2x6 min. So.Pine

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

9.02.02 GALAS FILEM QTY: 1

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

Scale = .5"/Ft.

WARNING: THESE RE-ENTER EXTREME CASE IN FORTIFICATION, MANHOLES, SHIPPING, INSTALLING AND BRACING REFER TO DCSEI (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY FBI (BROSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WFLA (GOOD TRESS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MADISON, FL 32110) FOR SAFETY PRACTICES, PLEASE DO NOT PERSUADING THESE FUNCTIONS. UNDESIRABLE INDICATED THAT CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED BRIDG CILLING.

[illegible]

TC LL	20.0 PSF	REF	R8228 - 60295
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352003
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	58447
DUR.FAC.	1.25	FROM	AH
CONTRACTING	24.0"	DATE	11/09/2007

Top chord 2x4 SP #2 Dense : T2, T3 2x8 SP #1 Dense:
Bot chord 2x6 SP #1 Dense : B2 2x6 SP SS:
Webs 2x4 SP #3 : W3, W9 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

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

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5".min.)nails @ 6" OC.

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

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

Calculated vertical deflection is 0.75" due to live load and 0.79" due to dead load at X = 20-0-0.

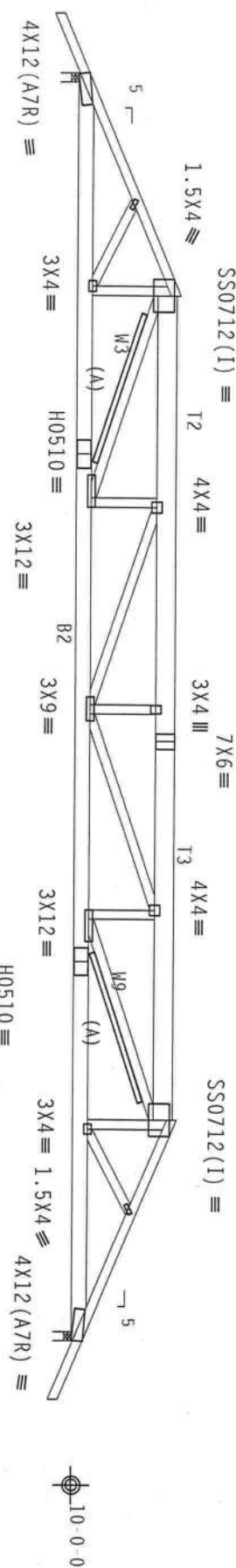
(1) - plates so marked were sized using a Fabrication Tolerance of 0% and a Rotational Tolerance of 0 degrees.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpl(+/-)=0.18

Wind reactions based on MMFRS pressures.

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

Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-10-8 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 1-10-8 overhang. Right side jacks have 7-0-0 setback with 0-0-0 cant and 1-10-8 overhang.

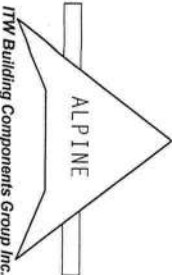


1-10-8
7-0-0
26-0-0
7-0-0
1-10-8
R=3382 U=1395 W=3.487"
40-0-0 Over 2 Supports
R=3382 U=1395 W=3.5"

PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: FBC2007Res/TPI-2002(STD)
Wave FT/RT=20%(0%)/0(0)

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

WARNING: TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIG. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPT (TRUSS PLATE INSTITUTE), 218 HARBOR LANE, SUITE 312, ALEXANDRIA, VA. 22314 AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6200 WOODBRIDGE AVENUE, SUITE 100, WOODBRIDGE, VA. 22191 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 DETAILING.



ITW Building Components Group Inc.
Haines City, FL 33844
888.777.7676



TC LL	20.0 PSF	REF R8228- 60296
TC DL	10.0 PSF	DATE 12/18/09
BC DL	10.0 PSF	DRW HCUSR8228 09352004
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 67592
DUR.FAC.	1.25	FROM AH

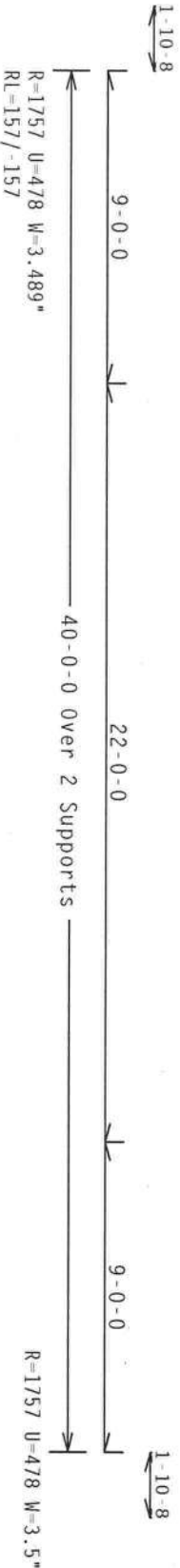
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC D=5.0 psf, wind BC D=5.0 psf, $I_w=1.00$ (GBI (+/-)=0.18

Wind reactions based on MFRS pressures.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

WMFRS loads based on trusses located at least 7.50 ft. from roof edge.



Scale = .1875" / Ft.

2.00
0T
DOUGLAS BLEMMING
LICENSE
No. 66648

TC LL	20.0 PSF	REF	R8228 - 60297
TC DL	10.0 PSF	DATE	12/18/09

TC LL	20.0 PSF	REF	R8228 - 60297
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 0935200
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	67599
DUR.FAC.	1.25	FROM	AH
CRACKING	24.0"	DATE	11/20/2009

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

Roof overhang supports 2.00 psf soffit load.

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

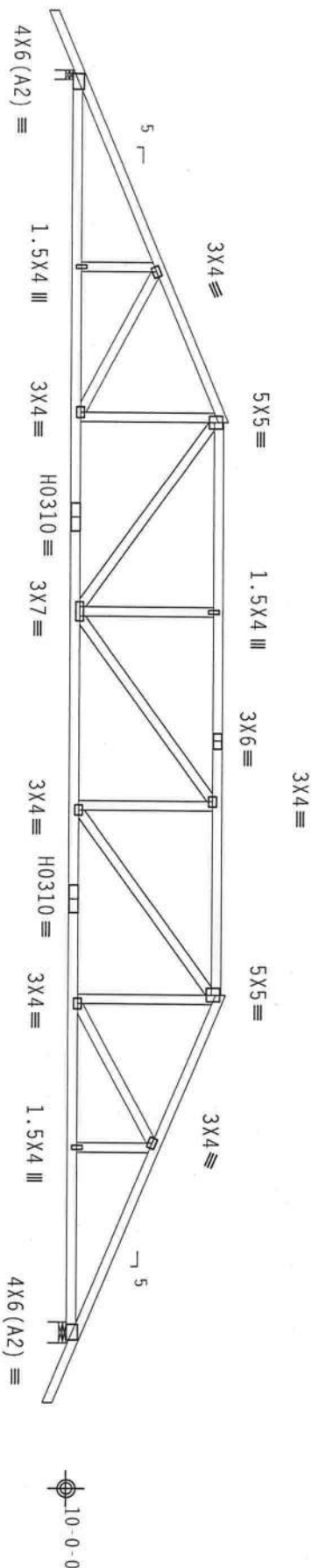
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18

Wind reactions based on MMFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



1-10-8
11-0-0
18-0-0
11-0-0
40-0-0 Over 2 Supports
R=1757 U=476 W=3.492"
RL=182/-182
R=1757 U=476 W=8"
1-10-8
1-10-8

PLT TYP. 20 Gauge HS.Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%) / 0(0)

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

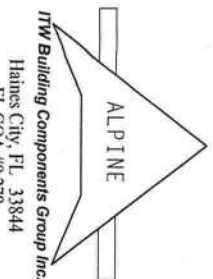
Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY IN ORIENTATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 WOODBRIDGE AVENUE, SUITE 100, FORT WORTH, TX, 76116) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL BE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURN IN A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. THE TRUSS IS CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AIA AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (44/H/SS/K) ASPEN 6063 GRADE 40/60 (44/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 AA OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228- 60298
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352006
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	67605
DUR.FAC.	1.25	FROM	AH



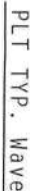
RTW Building Components Group Inc.
Haines City, FL 33844
888.777.4670

Roof overhang supports 2.00 psf soffit load.

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

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

Bottom chord checked for 10.00 psf non-concurrent live load.
 MFERS loads based on trusses located at least 7.50 ft. from roof edge.



Design Crit: FBC2007Res/TP1-2002(STD)

$$FT/RT=20\%(0\%)/0(0)$$

9.02.00

QTY:1

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

Scale = .1875" / Ft.

"WARNING: THESE ARE EXTREME CASES IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE FOLLOWING COMPONENTS MAY BE REQUIRED TO DESIGNER'S DISCRETION:

CHORD END JOINTS, SUITE 212, ALEXANDRIA, VA, 22314 AND WICK GROUND ROSS COUNCIL OF AMERICA, 6500 KENNEDY BLVD., MANASSA VA 57919 FOR SAFETY PRACTICES PRIOR TO RECONSTRUCTING THESE STRUCTURES.

ENGINEERS INDICATED THAT CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED RIGID CELLING.

*** IMPORTANT ***

OR RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND FBI

CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY

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

AND INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SEE THE REVERSE SIDE FOR FURTHER INFORMATION.

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE ARCHITECT. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE ARCHITECT.

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

A circular professional engineer seal for Douglas Fleming, No. 66648, State of Florida. The seal features the text "DOUGLAS FLEMING" at the top, "LICENSE" on the right, "No. 66648" in the center, "STATE OF FLORIDA" on the left, and "PROFESSIONAL ENGINEER" at the bottom. A stylized signature is written over the center text. The seal is surrounded by a double-lined border.

18.09

TC LL	20.0 PSF	REF	R8228 - 60299
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352007
BC LL	0.0 PSF	HC-ENG JB/DF	*
TOT.LD.	40.0 PSF	SEQN-	67614
DUR.FAC.	1.25	FROM	AH

THE FIRST PRINCIPLES OF THE THEORY OF THE

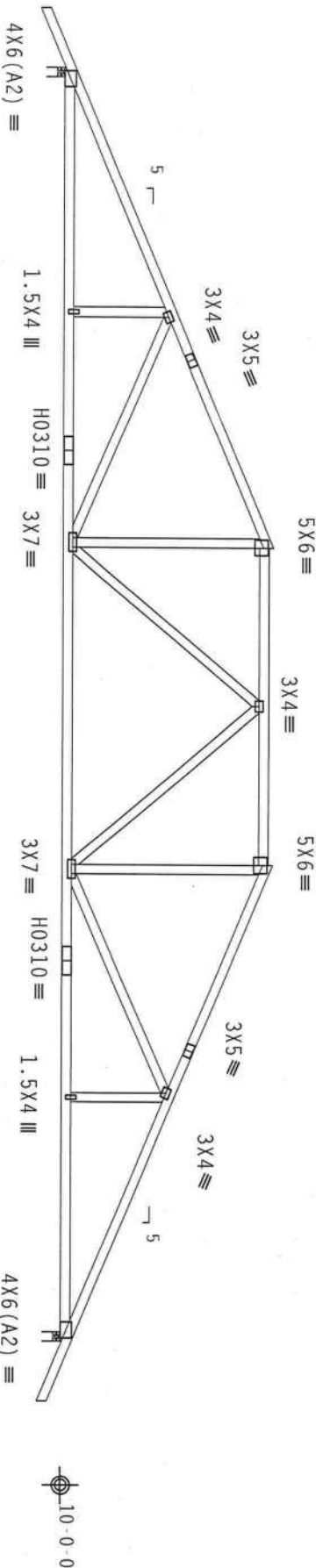
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $I_w=1.00$, $GCD1(+/-)=0.18$

Wind reactions based on MFRS pressures.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

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



1-10-8

R=1829 U=167 W=3.5"

Scale = .1875"/Ft.



TC LL	20.0 PSF	REF	R8228 - 60300
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUS88228 09352008
BC LL	0.0 PSF	HC-ENG	JB/DF *
TOT.LD.	40.0 PSF	SEQN-	67622
DUR.FAC.	1.25		

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

Roof overhang supports 2.00 psf soffit load.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

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

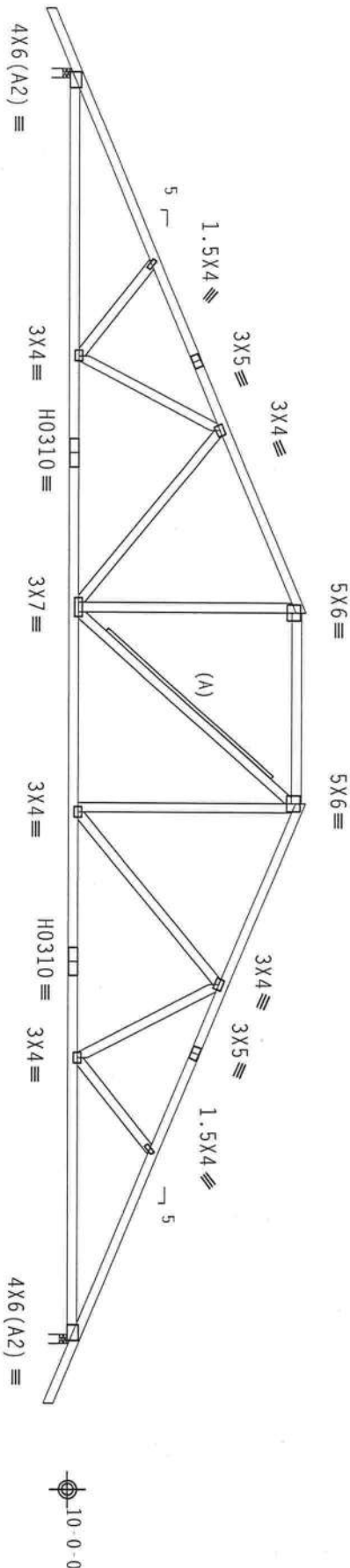
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18

Wind reactions based on MMFRS pressures.

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

Truss passed check for 20 psf additional bottom chord live load in areas with 42" high x 24"-wide clearance.

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.



R=1804 U=162 W=3.499"
RL=256/-256

R=1813 U=162 W=3.5"

PLT TYP. 20 Gauge HS.Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

9.02.00

QTY:1

FL-/4/-/-R/-

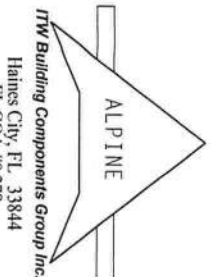
Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WEA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, HOUSTON, TX 77037) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL MATERIALS 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEFLECTION FROM THE DESIGN. THE TRUSS IS TO BE COMBINED WITH TPI-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. BY AKAFA AND TPI. THE BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AKAFA) AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/P) ASTM A653 GRADE 40/60 (W, F/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R8228- 60301
TC DL	10.0 PSF	DATE 12/18/09
BC DL	10.0 PSF	DRW HCUR8228 09352009
BC LL	0.0 PSF	HC-ENG JB/DF *
TOT.LD.	40.0 PSF	SEQN- 67631
DUR.FAC.	1.25	
CDATING	24 0"	DECE - 1TYD09200701



NTW Building Components Group Inc.
Haines City, FL 33844

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 gcpl(+/-)=0.18

Wind reactions based on MMFRS pressures.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

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

$$5 \times 6 \equiv 30 \pmod{36}$$


Design Crit: FBC2007Res/TP1-2002(STD)
FT/RT=20%(0%)/0(0)

FL/-/-141-1-1R/-

Scale = .1875"/Ft.

DOUBLEDAY
LICENSE
No. 66648

REF	R8228- 60302
DATE	12/18/09



ITW Building Components Group Inc
Haines City, FL 33844

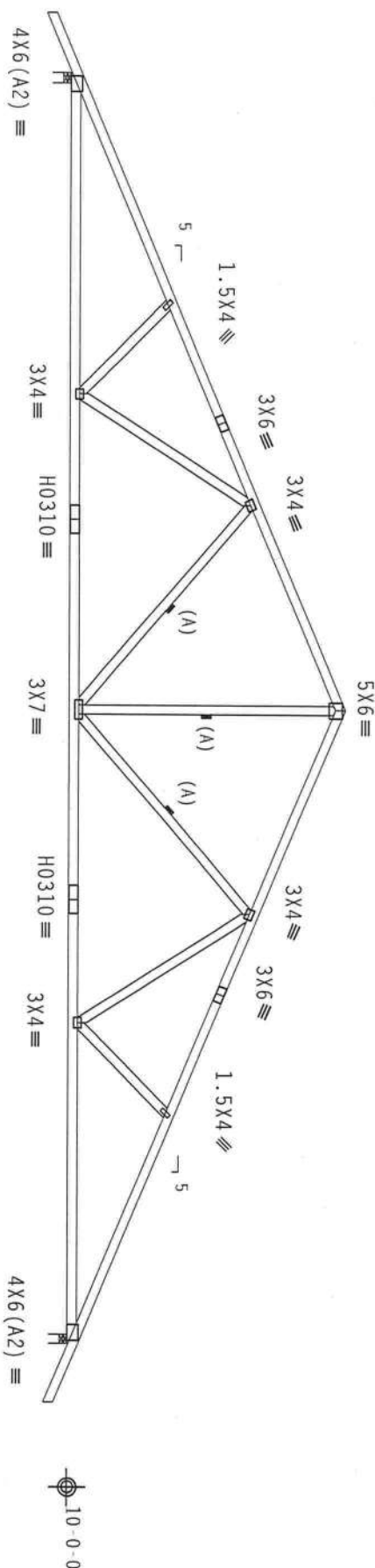
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 gcpi(+/-)=0.18

Wind reactions based on MMFRS pressures.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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



1-10-8

R=1877 U=1552 W=3.5"

Scale = .1875"/Ft.

DOUGLAS FLEMING
LICENSE
No. 66648

TC LL	20.0 PSF	REF R8228 - 60303
TC DL	10.0 PSF	DATE 12/18/09

ALPINE

ITW Building Components Group Inc

ines City, FL 32104



60. 81

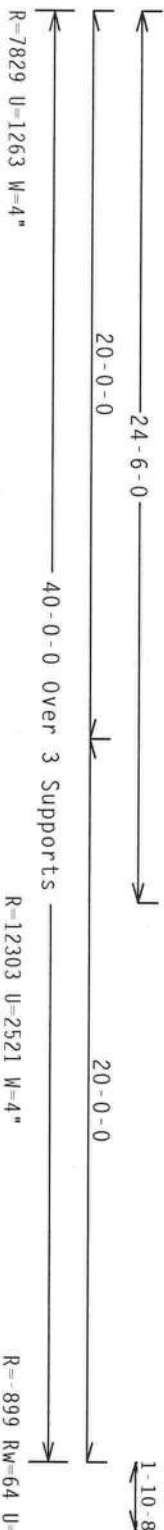
DUR.FAC.	1.25	
CDATING	24 0"	1DEC - 1TVDO2202701

1DCC- 1TVDO99Q7N1

Special loads

Wind reactions based on MWFRS pressures.

3X5 ≡


$$FT/RT=20\%(0\%)/0(0)$$

9.02.08

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

Scale = .1875"/Ft.



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

load case requires unlift connection

load case requires uplift connection.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 gcpi (+/-)=0.18

Roof overhang supports 2.00 psf soffit load

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



TC LL	20.0 PSF	REF	R8228- 60304
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352074
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	68135
DUR.FAC.	1.25	FROM	AH

:cc JS 9x7 71:

Webbs 2x4 SP #3 :W3, W11, W15 2x4 SP #2 Dense:

```
:lt wedge 2x8 SP #1 Dense:
```

Brg blocks:0.131"x3" nails

brg	x-loc	#blocks	length/bk	#natts/bk	wall plate
1	0.000	1	12"	4	Rigid Surface

Brg block to be same size and species as bottom chord
Refer to drawing CNAISP0109 for more information.

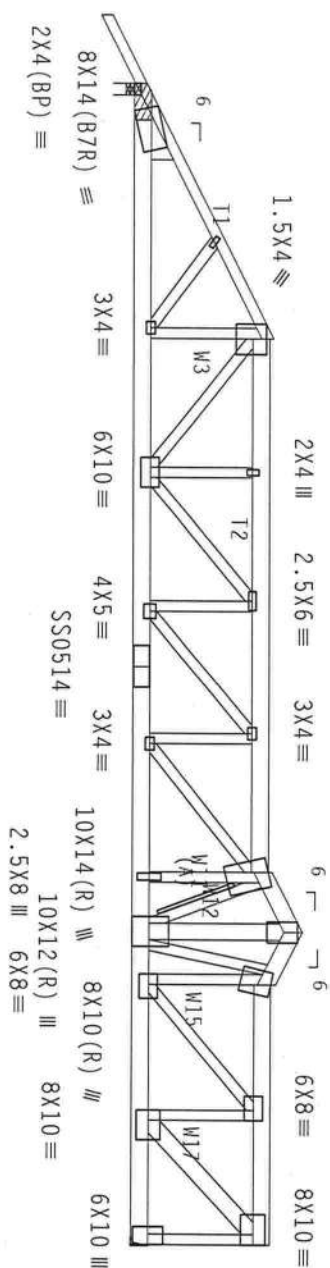
(1) - plates so marked were sized using a Fabrication Tolerance of 0% and a Rotational Tolerance of 0 degrees.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCP(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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

$$10 \times 10(I) \equiv$$


0-0-6

3-9-12

Diagram of a continuous beam with four supports. The beam is divided into three spans: 7'-0" between the first and second supports, 14'-8" between the second and third supports, and 7'-2" between the third and fourth supports. The beam is labeled R-4009 U=1058 W=4" at the left end and R=5374 U at the right end. The total length is 28'-10".

R=5374 U=1095

PLT TYP. 18 Gauge HS, Wave

Design Crit: FBC2007Res/TPI-2002(STD)

$$FT/RT=20\%(0\%)/0(0)$$

00

QTY:1

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

Scale = .1875"/Ft.

WARNING: THESE BRIDGE EXTREME CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO DESI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (FIBROS PLASTIC INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND NRC GOOD PRACTICE COUNCIL OF AMERICA, 65000 INTERSTATE AVE, HANOVER, IL 53179 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS. INTERESTED OUTLINEMENT INDICATED FOR GOOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED BRIDGE CEILING.

[illegible]

DESIGN SHOWN. THE SUSTAINABILITY AND USE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2



18

TC LL	20.0 PSF	REF	R8228 - 60305
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCU8R8228 09352068
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEON-	72845
DUR.FAC.	1.25	FROM	AH

FROM AH

Top chord 2x4 SP #2 Dense :T1 2x6 SP SS:

:T2 2x6 SP #1 Dense:

Bot chord 2x6 SP SS :R2 2x6 SP #2:

W6, W8, W11 2x4 SP #2 Dense:

Special loads

----- (Lumber

TC - From Dur.Fac. -1.25 / Plate Dur.Fac. -1.25

TC - From 62 pif at 0.00 to 62 pif at 22.48

TC - From 62 pif at 22.48 to 62 pif at 23.33

TC - From 62 pif at 23.33 to 62 pif at 28.96

TC - From 62 pif at 28.96 to 62 pif at 32.00

BC - From 20 pif at 0.00 to 20 pif at 32.00

TC - 193 lb Conc. Load at 0.90 , 2.90, 4.90, 6.90

BC - 136 lb Conc. Load at 0.90 , 2.90, 4.90, 6.90

BC - 1206 lb Conc. Load at 14.54

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

(1) plates so marked were sized using a Fabrication Tolerance of 0% and a Rotational Tolerance of 0 degrees.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G C p_i(+/-)=0.18$

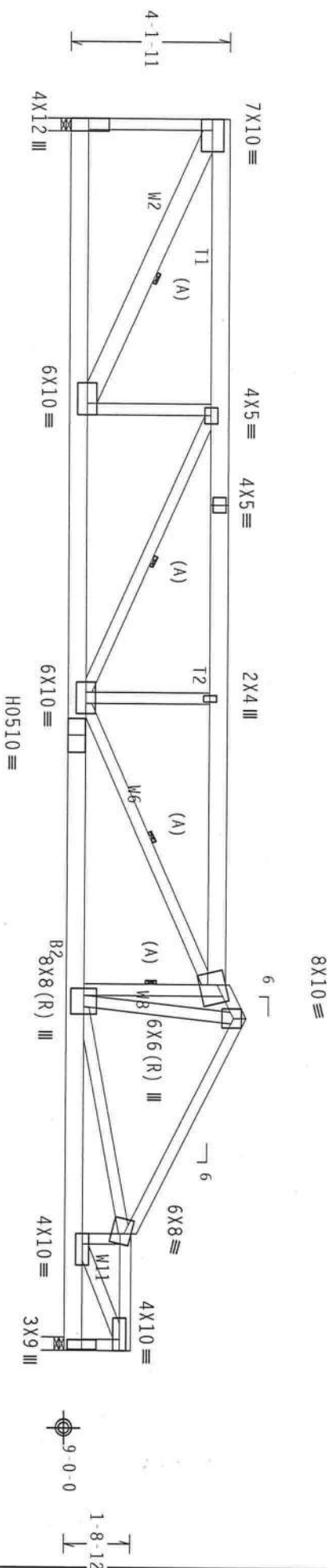
Max JT VERT DEFL: LL: 0.32" DL: 0.33" recommended camber 5/8"

(A) Continuous lateral bracing equally spaced on member.

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

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

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



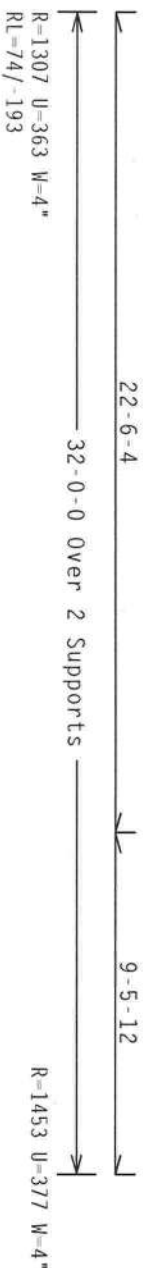
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf lw=1.00 gcpi (+/-)-0.18

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=20%(0%)/0(0) 9.02.00

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

Scale = .1875"/Ft.

No. 66648

ITW Building Components Group Inc.

Haines City, FL 33844



TC LL	20.0 PSF	REF	R8228- 60307
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352012
BC LL	0.0 PSF	HC-ENG	JB/DF *
TOT. LD.	40.0 PSF	SEQN-	73015
DUR. FAC.	1.25	FROM	AH
CRACKING	24.0"	DATE	11/09/200701

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load

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

Bottom chord checked for 10.00 psf non-concurrent live load.

MMHRS loads based on trusses located at least 15.00 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpl(+/-)=0.18

Wind reactions based on MMFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

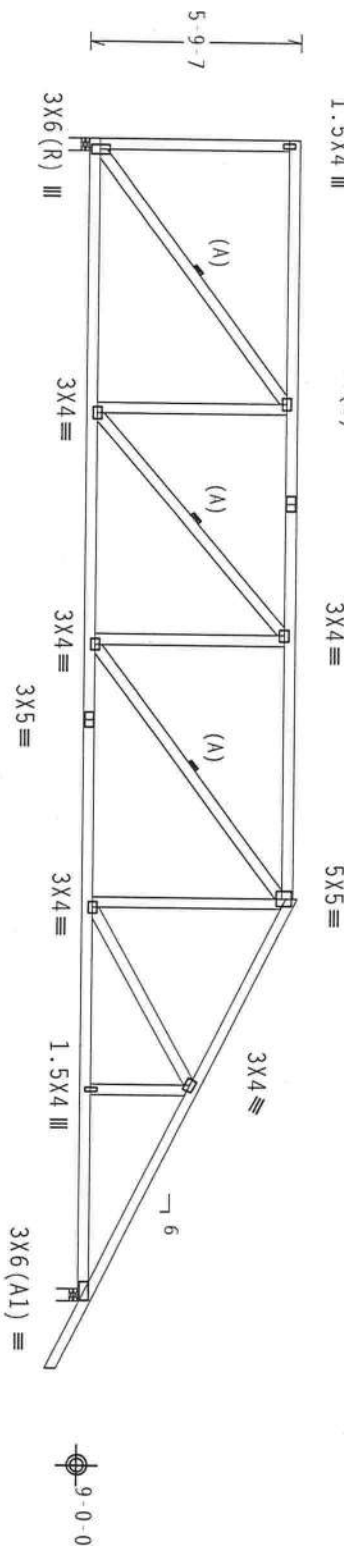


Diagram of a continuous beam with three supports. The beam is divided into four segments: 20'-10" (left), 32'-0" (middle), and 11'-1" (right). The middle segment is labeled "Over 2 Supports". The beam is supported by three vertical supports. The left support is labeled "R=1338 U=340 W=4"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD,
FT/RT=20%(0%)/0(0)

9.02.00

OTY.1

F11-1A1-1-1B1-

CCaj0 - 107E"/E+

*****WARNING***** DRIES, RECOVER EXISTING GATE IN FABRICATION, MONITOR, SHUTTING, INSTALLING AND REACTING REFER TO GC-51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (FIREMS), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND NICA, 6000 TRUSS COMPANY, OF AMERICA, INTERPRET LANE, HANSDEN, VA, 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE GROUND SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GROUND SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

*** * IMPORTANT *** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITU BCG, INC SHALL NOT

BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IT; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

TO EACH CONNECTOR WITH APPLICABLE PROVISIONS OF MD5 (NATIONAL DESIGN SPEC., BY AASHTO) AND IP1. THE BSG CONNECTION PLATES ARE MADE OF 20/18/16GA (H.M./SS/K) ASTM A653 GRADE 40/60 (H, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACT ORFESS AND UNLESS OTHERWISE NOTED ON THIS DRAWING, THE FOLLOWING ARE THE MINIMUM REQUIREMENTS:

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMX A3 OF TP11-2002 SEC. 3.
ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. I SOLEMNLY FOR THE TOWERS COMPONENT
DRAWING INDICATES POSITION PER DRAWING INDICATES

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

2.000
07/18/06

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER

12/31/2006

FL/-/4/-/-/R/-		Scale = .1875"/ft.
TC LL	20.0 PSF	REF R8228- 60308
TC DL	10.0 PSF	DATE 12/18/09
BC DL	10.0 PSF	DRW HCU5R8228 09352013
BC LL	0.0 PSF	HC-ENG JB/DF *
TOT.LD.	40.0 PSF	SEQN- 73010
DUR.FAC.	1.25	FROM AH

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf 1w=1.00 gcpi(+/-)=0.18

Wind reactions based on MMFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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



R=1521 U=217 W=4"

Scale = .1875"/Ft.

2.000
DOUGLAS FLEMING
LICENSE
No. 66648
QT

REF	R8228- 60310
DATE	12/18/09



A circular professional engineer seal for Douglas Fleming, No. 66648, State of Florida. The seal features the text "DOUGLAS FLEMING" at the top, "LICENSE" on the right, "STATE OF FLORIDA" at the bottom, and "PROFESSIONAL ENGINEER" on the left. The number "No. 66648" is in the center, with a stylized "FLEMING" signature below it. The seal is surrounded by a dotted border and two stars.

CDARTING 24 0" 1PFL 1TVN0230701

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.

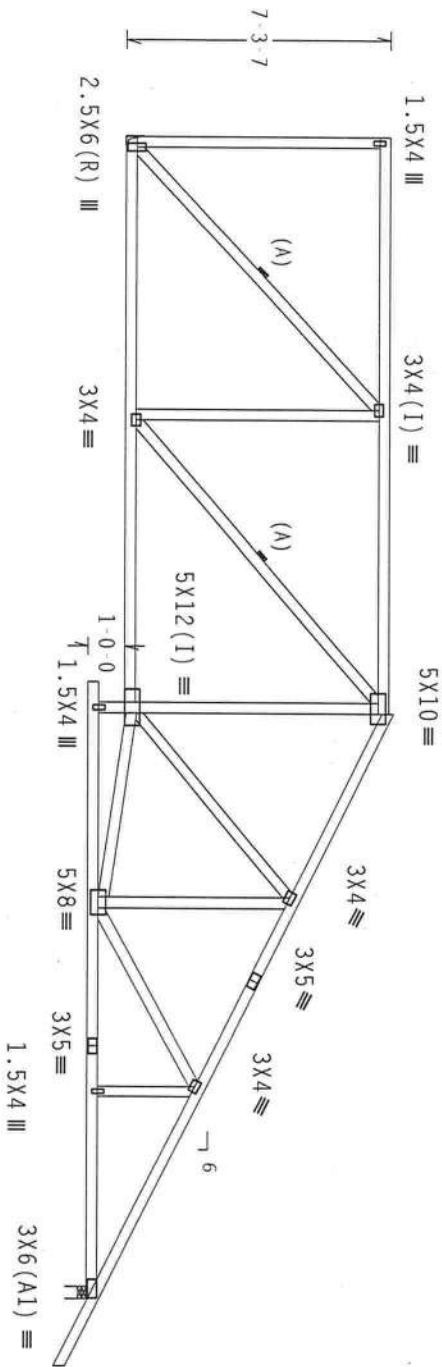
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 Gcpl(+/-)=0.18

Wind reactions based on MMFRS pressures.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Truss passed check for 20 psf additional bottom chord live load in areas with 42" high x 24" wide clearance.

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



R=1535 U=208 W=4"

R=1486 U=320
RL=101/-205 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2x6 min. So.Pine
PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=20%(0%)/0(0)

9.02.00

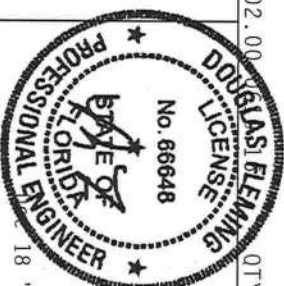
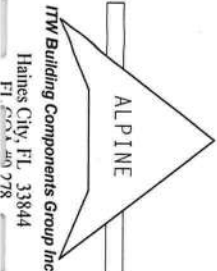
QTY:1

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

Scale = .1875"/ft.

****WARNING**** TRUSSES BEING ATTACHED TO EXISTING CEILING, WALLS, FLOORS, AND BRACING. REFER TO RECI FOR BUILDING COMPONENT SAFETY INFORMATION. TRUSSES ARE TO BE INSTALLED IN CONFORMANCE WITH THE FOLLOWING: NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK GROUND TRUSS COMPANY OF AMERICA, 6100 ENTERPRISE LANE, MONROE, LA 70139 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. THE REG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE FOLLOWING: NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK GROUND TRUSS COMPANY OF AMERICA, 6100 ENTERPRISE LANE, MONROE, LA 70139 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



TC LL	20.0 PSF	REF	R8228- 60311
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCSR8228 09352023
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEON-	72992
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JIRFF-	1TXPR228701

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf Iw=1.00 Gcpl(+/-)=0.18

Wind reactions based on MMFRS pressures.

H = recommended connection based on manufacturer tested

different connections than indicated. Refer to manufacturer instructions for additional information.

publication for additional information.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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



R=1522 U=193 W=4*

QTY:1

Scale = .1875"/Ft.



ITW Building Components Group Inc.

18.09

TC LL	20.0 PSF	REF	R8228- 60312
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352024
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	72978
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TXP8228Z01

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1W=1.00 GCPI(+/-)-0.18

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Right end vertical not exposed to wind pressure.

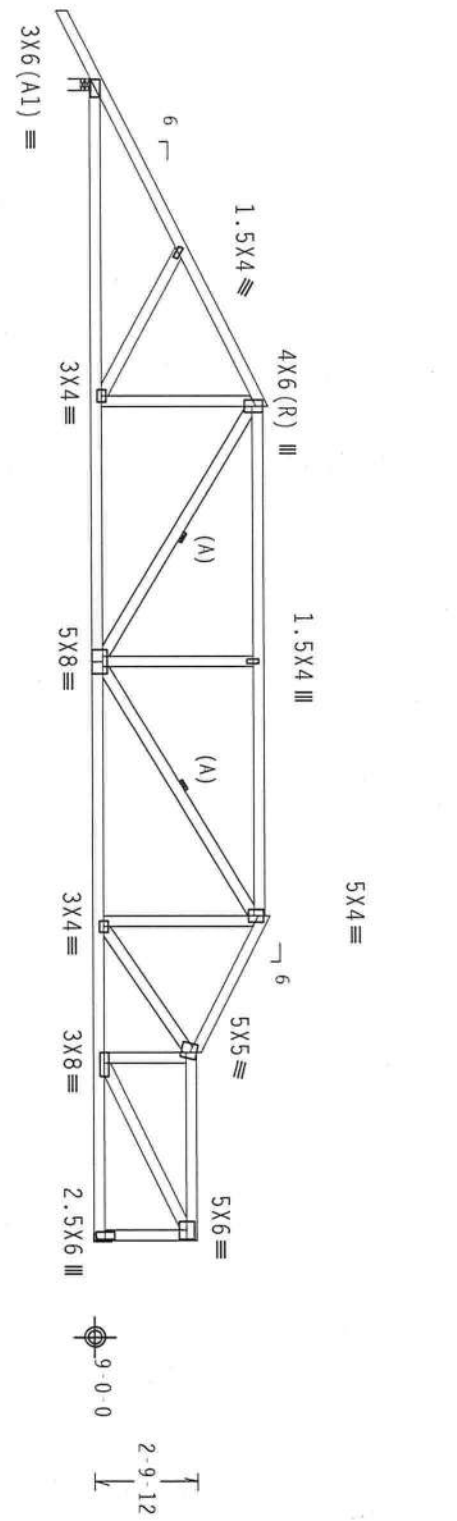
(A) Continuous lateral bracing equally spaced on member.

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

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



1-10-8

9-0-0

14-0-0

3-9-8

5-2-8

32-0-0 Over 2 Supports

R=1453 U=385 W=4

RL=138/-115

Design Crit: FBC2007Res/TP1-2002(STD)

FT/RT=20%(0)/0(0)

9.02.00

QTY:1

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

Scale = .1875"/Ft.

PLT TYP. Wave

ALPINE

ITW Building Components Group Inc.

Haines Ctr. FL 33844

DOUGLAS FLEMING
LICENSE
No. 66648
FLORIDA
PROFESSIONAL ENGINEER

18 '09

TC LL	20.0 PSF	REF R8228- 60313
TC DL	10.0 PSF	DATE 12/18/09
BC DL	10.0 PSF	DRW HCURSR8228 09352025
BC LL	0.0 PSF	HC-ENG JB/DF
TOT. LD.	40.0 PSF	SEQN- 72855
DUR. FAC.	1.25	FROM AH
CDACTING	24.0"	TRF- 1TYPR228701

1-10-8

9-0-0

14-0-0

3-9-8

5-2-8

32-0-0 Over 2 Supports

R=1453 U=385 W=4

RL=138/-115

Design Crit: FBC2007Res/TP1-2002(STD)

FT/RT=20%(0)/0(0)

9.02.00

QTY:1

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

Scale = .1875"/Ft.

R=1307 U=349 H=Simpson HUS26

w/ (4) 10d Common, 0.148"x3.0" nails in Truss

w/ (14) 10d Common, 0.148"x3.0" nails in Girder

Girder is (2)2X6 min. So.Pine

18 '09

CDACTING 24.0"

TRF- 1TYPR228701

Roof overhang supports 2.00 psf soffit load.

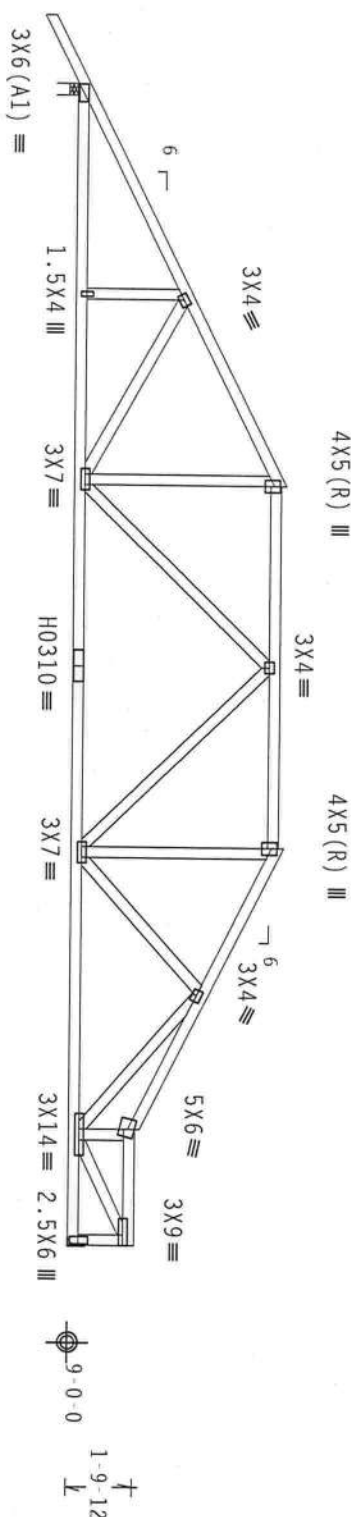
Bottom chord checked for 10.00 psf non concurrent live load

MMRS loads based on trusses located at least 15.00 ft. from roof edge.

Wind reactions based on MMFRS pressures.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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



R=1508 U=212 W=4"
RL=177/-168

PLT TYP. 20 Gauge HS, Wave

Design Crit: FBC2007Res/TPI-2002(STD),
FT/RT=20%(0%)/0(0)

9.02.00

FL/-/14/-/1-/R/-/

Scale = .1875"/Ft.

WARNING: THESE REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DECS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND NCA (NORTH AMERICAN TRUSS COUNCIL OF AMERICA, 6500 CHATELAIN DRIVE, MANASSAS, VA 55713) FOR SAFETY PRACTICES PERTAINING TO THESE COMPONENTS. UNLESS OTHERWISE INDICATED THE CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CLEWING.

[illegible]

R-1362 U-181 H-Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine

TC LL	20.0 PSF	REF	R8228- 60314
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCU8R8228 09352026
BC LL	0.0 PSF	HC-ENG	JB/JF
TOT.LD.	40.0 PSF	SEON-	72866
DUR.FAC.	1.25	FROM	AH

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MMFRS pressures.

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

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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



9.02.00

Scale = .1875"/Ft.

TC LL	20.0 P
TC DL	10.0 P
RC DL	10.0 P

IC LL	20.0 PSF	REF	R8228- 60315
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352027
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SECON-	72875
DUR.FAC.	1.25	FROM	AH

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, Exp C, Wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

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

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.

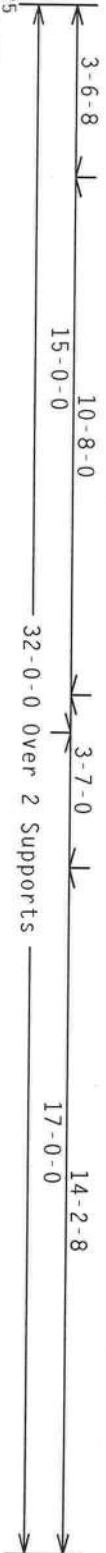
(1) - plates so marked were sized using a Fabrication Tolerance of 0% and a Rotational Tolerance of 0 degrees.

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

Wind reactions based on MMFRS pressures.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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



R=1324 U=131 W=4"

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

Scale = .25" / Ft.

DOUGLAS FLEMING
LICENSE
No. 66648

FL/-/4/-/-/R/-		Scale = .25"/ft.	
TC LL	20.0 PSF	REF	R8228- 60316
TC DL	10.0 PSF	DATE	12/18/09

IMPORTANT
 *REVISION A COPY OF THIS DECISION TO THE

ITEM: ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AT&T) AND TPI. ITM REG.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (M-H/SS/K) ASTM A653 GRADE 40/60 (M-K/H-SS) GALV STEEL APPLY

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWING 1604.2

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERMITTED BY THE STATE OF TEXAS.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER'S DESIGN FOR

DESIGN SHOWN THE STABILITY AND EFFECT OF THE PROPOSED JOINT CONNECTION ON THE CRUSS COMPONENT

THE CONTRACTOR'S PROUSE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DEPARTMENT AND ARCHITECT.

[illegible]

FL/-/4/-/4/-/R/-	Scale = .25"/ft.
TC LL 20.0 PSF	REF R8228 - 60316
TC DL 10.0 PSF	DATE 12/18/09
BC DL 10.0 PSF	DRW HCUR8228 09352028
BC LL 0.0 PSF	HC-ENG JB/DF
TOT.LD. 40.0 PSF	SEQN- 72889
DUR.FAC. 1.25	

Roof overhang supports 2.00 psi soffit load.
Max JT VERT DEFL: LL: 0.19" DL: 0.20" recommended camber 3/8"
In lieu of structural panels use purlins to brace all flat TC @ 14" OC.

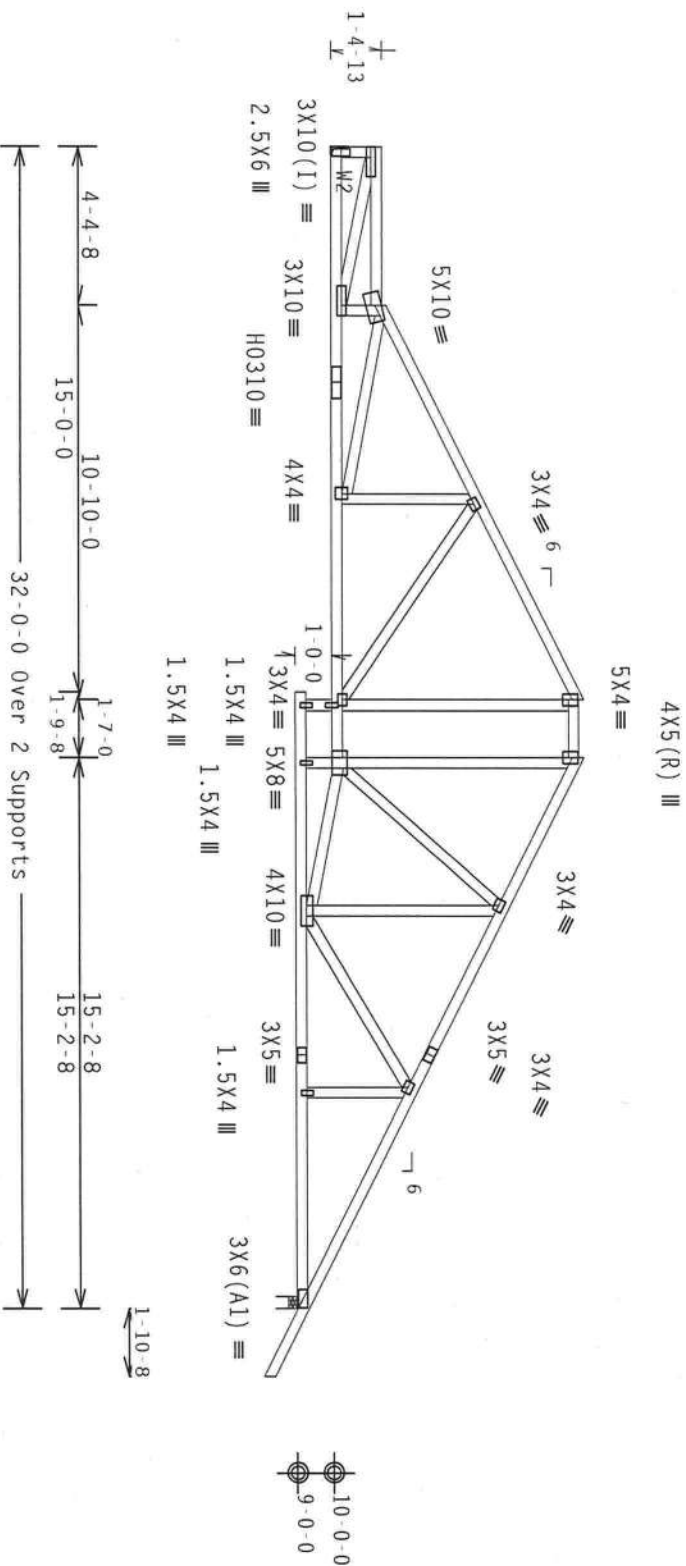
MFERS loads based on trusses located at least 15.00 ft. from roof edge.

Wind reactions based on MMFRS pressures.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

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



R=1307 U=112
RL=220/-237 H=Simpson HUS26
R=1453 U=126 W=4"

Design Crit: FBC2007Res/TP1-2002(STD)
FT/RT=20%(0%)/0(0)

9.02.00 06:14:56 QTY:1 FL/-/4/-/-/R/- Scale = .1875"/Ft.

WARNING: THESE BUILDING COMPONENTS ARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRIVING. REFER TO DESI (RIBBIDUO COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRESS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WICA (WOOD TRUSS COMPANY OF AMERICA), 6500 NORTH ENTERPRISE LANE, MOUNDSVILLE, WV 26041 FOR SAFETY PRACTICES AND MEANS TO PERFORMING THESE FUNCTIONS. UNDESIGNED OR MODIFIED CHORDS SHOULD HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844



FL/-/4/-/-/R/-		Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R8228- 60317
TC DL	10.0 PSF	DATE 12/18/09
BC DL	10.0 PSF	DRW HCU5R8228 09352029
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 72900
DUR.FAC.	1.25	
SPACING	24.0"	DEE- 1TYD8228701

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bottom chord checked for 10.00 psf non-concurrent live load.

MFERS loads based on trusses located at least 15.00 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 Gcpl(+/-)=0.18

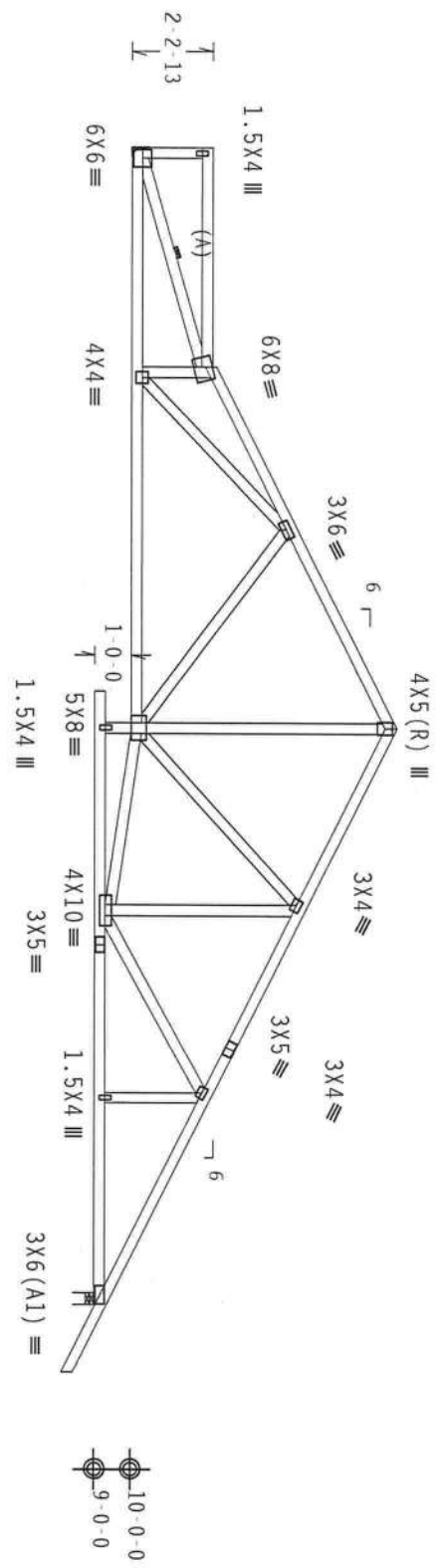
Wind reactions based on MFERS pressures.

Max JT VERT DEFLL: LL: 0.17" DL: 0.18" recommended camber 3/8"

(A) Continuous lateral bracing equally spaced on member.

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

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

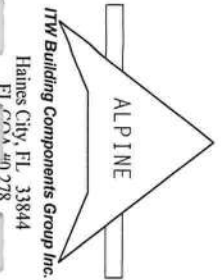


6-0-8 15-0-0 9-11-8 16-0-0 16-1-12 1-10-8
32-0-0 Over 2 Supports
R-1307 U-147
RL=214/-243 H-Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2x6 min. So.Pine
PLT TYP. Wave
Design Crit: FBC2007Res/TP1-2002(STD)
FT/RT=20%(0%)/0(0)
9.02.00

TC LL	20.0 PSF	REF R8228- 60318
TC DL	10.0 PSF	DATE 12/18/09
BC DL	10.0 PSF	DRW HCUR8228 09352030
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEON- 72910
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TXP8228201

WARNING TRUSSES BEING EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 278 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6200 ENTERPRISE LANE, MOBILE, AL 36619 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.



110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf 1w=1.00 gcpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

H = recommended connection based on manufacturer tested

different connections than indicated. Refer to manufacturer publication for additional information.

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



R=1453 U=137 W=4

Scale = .1875"/Ft.

2.00
CITY
DOUGLAS FLEMING
LICENSE
No. 66648

22

ME RESP
TP1: OR

ANY INS
DRAWING

DESIGN
BUILDING

BUILDING

FROM AH
JREF - 1TXP8228Z01

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf(+/-)=0.18

Wind reactions based on MMFRS pressures.

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

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.



PLT TYP. Wave

9.02.00

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

Scale = .25" / Ft.

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

NOT
REGISTRATION P
STATE OF
P

BC LL	0.0 PSF	HC-ENG JB/DF
-------	---------	--------------

[illegible]

BC LL	0.0 PSF	HC-ENG JB/DF
TOT. LD.	40.0 PSF	SEON- 72936
DUR. FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TXP8228201

110 mph wind, 15.25 ft mean hgt, ASCE 7-05, closed bldg, not located within 4.50 ft from roof edge, CAT II, Exp C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind reactions based on MMFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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

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



Scale = .25"/Ft.

DOUGLAS FLEMING
LICENSE
No. 66648

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0070

[illegible]

A circular professional seal for Douglas Fleming, a Professional Engineer in the State of Florida. The seal features the text "DOUGLAS FLEMING" at the top, "LICENSE" on the right, "STATE OF FLORIDA" at the bottom, and "PROFESSIONAL ENGINEER" on the left. In the center, the license number "No. 66648" is printed above a signature.

18.09

TC LL	20.0 PSF	REF	R8228- 60321
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCSUR8228 09352033
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEON-	72944
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TXP8228Z01

End verticals not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 15.75 ft. from roof edge.

110 mph wind, 15.75 ft mean hgt, ASCE 7-05, closed bldg, not located within 4.50 ft from roof edge, Cat II, Exp C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 gcpi (+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.

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

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

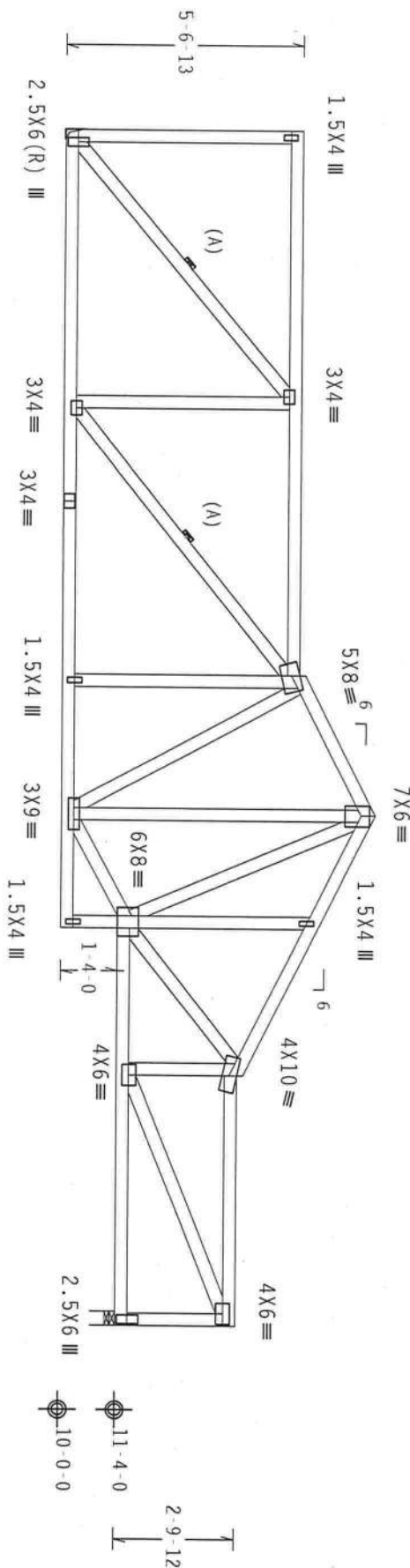


Diagram of a continuous beam with 5 spans and 6 supports. The spans are labeled with their lengths: 12-8-8, 18-8-0, 28-0-0, 6-1-8, and 9-4-0. The total length is 115.3 units. The beam is supported by 2 supports. The diagram shows the beam with arrows indicating the direction of the spans and the supports.

R=1153 U=194 W=4"

R=1153 U=260
RL=60/ 82 H-Simpson LUS26
W/ (4) 10d Common, 0.148"x3, 0"
w/ (4) 10d Common, 0.148"x3, 0"
Girder is (2)2x6 min. So. Pine
PLT TYP. Wave

Design Crit: FBC2007Res/TP1-2002(STD)

$$FT/RT=20\%(0\%)/0(0)$$

9.02.00

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

Scale = .25" / Ft.

WARNING—TRUCKS, BUSES, HEAVY EXHAUST, CARS IN LOADING, UNLOADING, SHIPPING, HANDLING AND PRACTICE REFER TO DCST (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE CRASS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MFC GOOD TRUSS COMPANY OF AMERICA, 65000 ENTERPRISE LANE, MADISON, WI, 53719 FOR SAFETY PRACTICES PRIOR TO FORMING THESE STRUCTURES. UNLESS OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUT/CORRAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED RIGID CELLING.

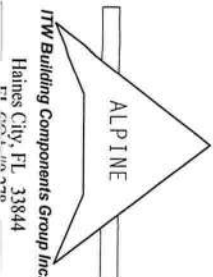
IMPORTANT: TO OBTAIN A COPY OF THIS DESIGN TOOL, THE RESPONSIBLE PARTY FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE THROUS IN COMPLIANCE WITH THE TYPE OF FABRICATION, HANDLING, SHIPPING, INSTALLING AND BEATING OF THROUSESS.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN SPEC., BY AIRFA) AND TPI.

CONDUCTION PLATES ARE MADE OF 2019/1664 (AL/SI/CU) ALLOY GAGE .0070 (4 W/.55) GAUGE STEEL, APPLY PLATES TO EACH FACE OF THROUS AND UNLESS OTHERWISE NOTED ON THIS DESIGN PER DRAWINGS 100A-2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER APPROX MAY OF 1911-2002 SEC.2.

REMARKS INDICATES ACCURACY OF PROFESSIONAL ENGINEERING, PRESENTABILITY, SOURCE FOR THIS



TC LL	20.0 PSF	REF	R8228- 60322
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCU8R8228 09352034
BC LL	0.0 PSF		HC-ENG JB/DF
TOT. LD.	40.0 PSF		SEQN- 72952
DUR. FAC.	1.25		FROM AH
CALCULATED	24.0 PSF	NOTE	THIS IS A PRELIMINARY DESIGN

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

Left end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Truss passed check for 20 psf additional bottom chord live load in areas with 42'-high x 24"-wide clearance.

MMFRS loads based on trusses located at least 15.28 ft. from roof edge.

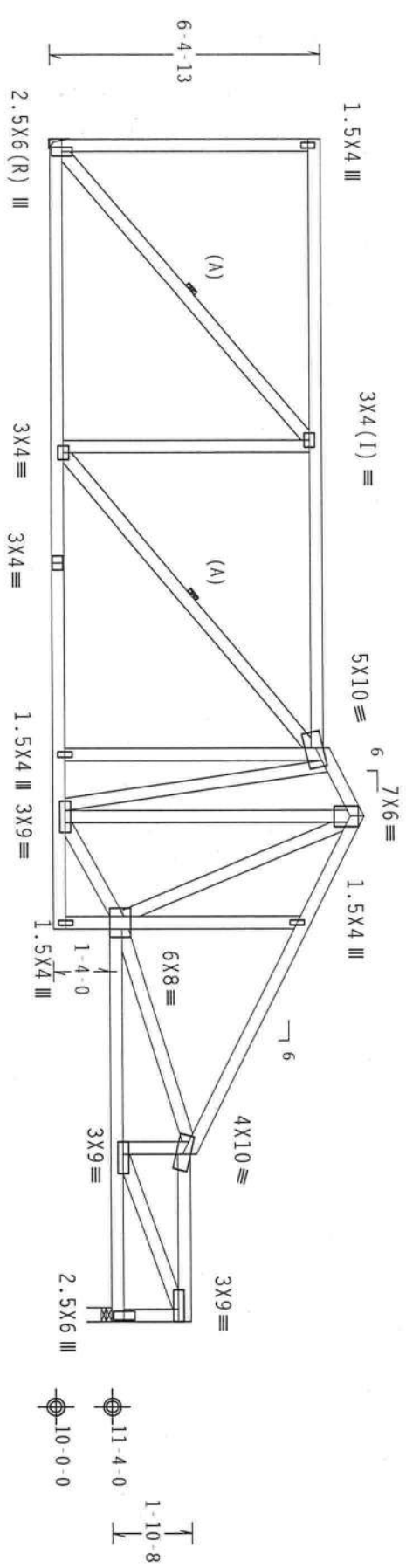
110 mph wind, 15.28 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MMFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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

Bottom chord checked for 10.00 psf non-concurrent live load. Deflection meets L/240 live and L/180 total load.

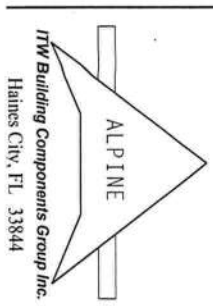


R=1311 U=278
RL=48/-97 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2x6 min. So. Pine
PLT TYP. Wave

Design Crit: FBC2007Res/TP1-2002 (STD)
FT/RT=20%(0%)/0(0)

9.02.00 QTY:1 FL/-/4/-/-/R/- Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R8228- 60323
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCSR8228 09352035
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	72960
DUR.FAC.	1.25	FROM	AH
SPACING	24 0"	IRREF-	1TXP8228Z01



ITW Building Components Group Inc.
Haines City, FL 33844

IMPORTANT: TRUSSES REQUIRE EXTERIOR CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WCA (WOOD TRUSS CONNECT OF AMERICA, 6500 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.

BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OF FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, OR THE DESIGN OF THE TRUSS PLATE INSTITUTE, SHALL BE THE RESPONSIBILITY OF THE USER. THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WCA (WOOD TRUSS CONNECT OF AMERICA, 6500 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.

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



TC LL	20.0 PSF	REF	R8228- 60323
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCSR8228 09352035
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	72960
DUR.FAC.	1.25	FROM	AH
SPACING	24 0"	IRREF-	1TXP8228Z01

Left end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, closed bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 gcpi(+/-)=0.18

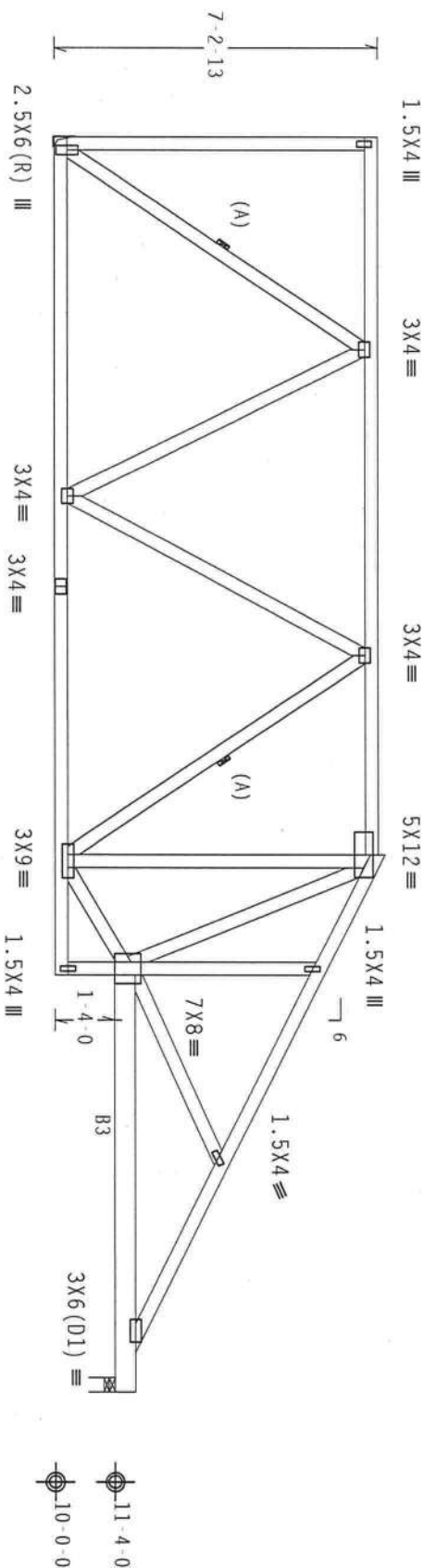
Wind reactions based on MIFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

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



R=1329 U=295¹
RL=42/125 H=Simpson HUS26
w/ (A) 10d Common 0 148"x3 0" native in Truss

Design
Girder is (2)2X6 min. So. Pine
w/ (14) 10d Common, 0.148"x3.0" nails in Girder

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

$$FT/RT=20\%(0\%)/0(0)$$

9.02.00.0

QTY:1

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

Scale = .25"/Ft.

R=1209 U=161 W=4"

WARNING—TRUCKS, RIGS, TRAILERS, EXTERIOR CARGO IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO RC51 (BULDOZING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TROSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MICA (MOTOR TRUSS COMPANY OF AMERICA), 62000 INTERSTATE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES RELATIVE TO REINFORCING THE STRUCTURES. UNDESIGNED OR OTHERWISE INDICATED FOR GOOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group Inc

Haines City, FL 33844
 FI COA #0978



TC LL	20.0 PSF	REF	R8228 - 60324
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352036
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	72967
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TXP8228Z01

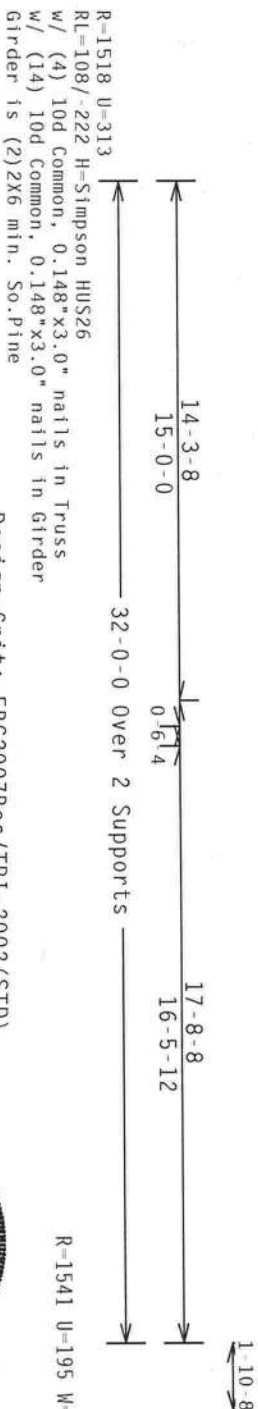
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 gcpi(+/-)0.18

Wind reactions based on MFRS pressures.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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



Scale = .1875"/ft.

DOUGLAS ELEMING
LICENSE
No. 66648

772

FE

SECRET

ORIGINAL FILED 18

1

1



Professional Engineer Seal for the State of Florida, No. 66648

TC LL	20.0 PSF	REF	R8228 - 60325
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352023
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN -	72972
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1TXP8228201

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

Roof overhang supports 2.00 psf soffit load.

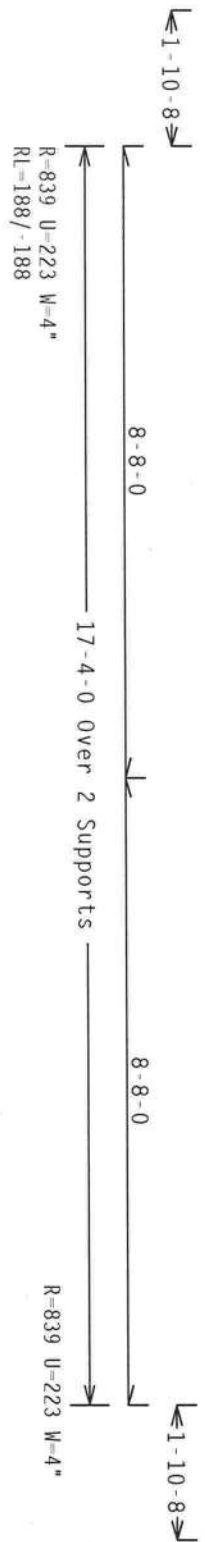
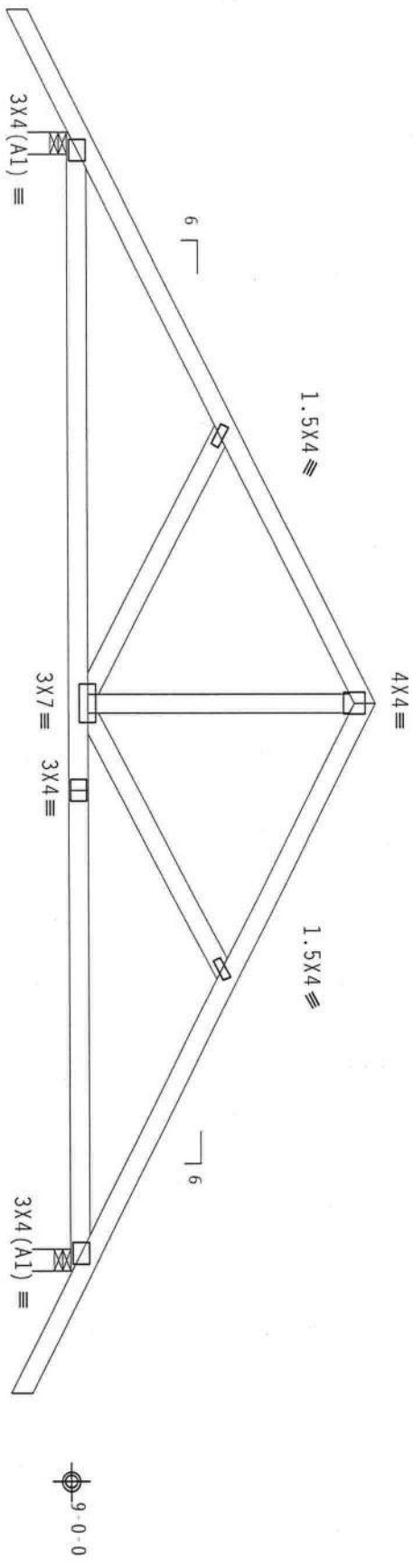
Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 GCPI(+/-)-0.18

Wind reactions based on MMFRS pressures.

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



PLT TYP. Wave

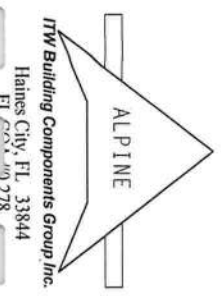
Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0)/0(0)

9.02.00

QTY:3

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

Scale = .375"/Ft.



****WARNING**** TRUSSES SHOWN HEREIN ARE THE PROPERTY OF THE TRUSS MANUFACTURER. ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN, OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING, REFER TO THE TRUSS MANUFACTURER'S INSTRUCTIONS. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 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 BRID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN, OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING, REFER TO THE TRUSS MANUFACTURER'S INSTRUCTIONS. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 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 BRID CEILING.

DESIGN CONTRACTORS WITH APPROVED TRUSSING PERMITS (SEE PERMIT 40/60 (R, K/H, S) GARY, STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228- 60327
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352015
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT. LD.	40.0 PSF	SEON-	68145
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TXP8228Z01

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

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

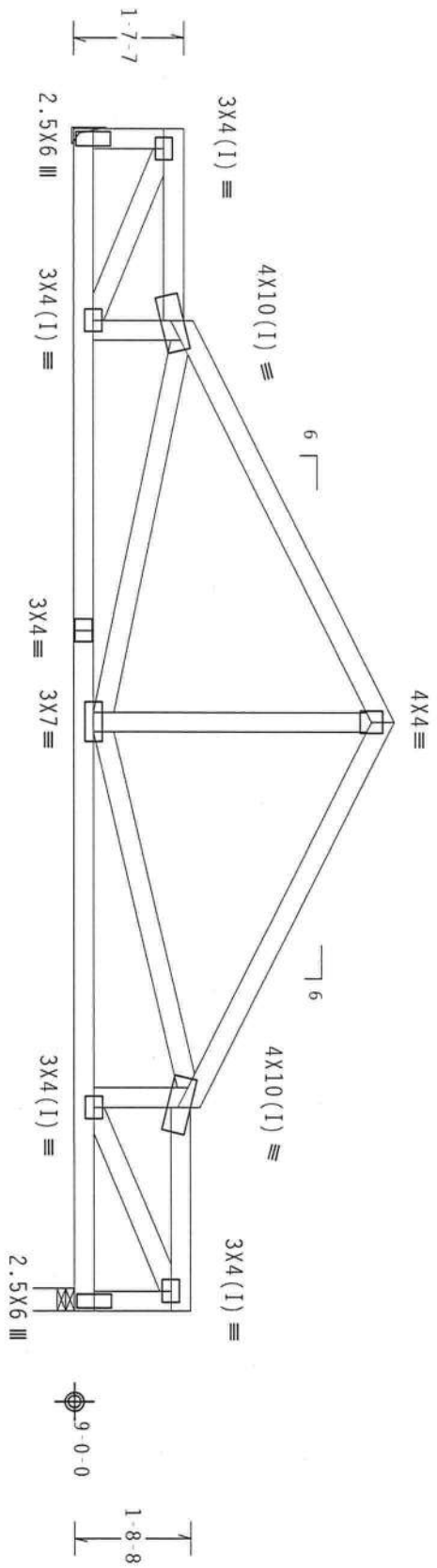
Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

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

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



R-714 U=88
RL=87/-86 H=Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d, 0.148"x1.5" nails in Girder
Girder is (1)2x0 min. So.Pine

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0)/0(0)

PLT TYP. Wave

TC LL	20.0 PSF	REF	R8228- 60328
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352038
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT. LD.	40.0 PSF	SEQN-	73035
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	ITXP8228Z01

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA # 278

DOUBLE FLEMING

FLORIDA

ENGINEER

No. 66648

DATE OF

18 '09

SCALE = .375" / FT.

QTY: 1

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

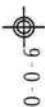
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, closed bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 gcpi (+/-)=0.18

Wind reactions based on MFRS pressures.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

MEMBERS loads based on trusses located at least 15.00 ft. from roof edge.



R=714 U=97 W=4

Scale = .375" / Ft.

2.00
DOUGLAS ELEMING
LICENSE
No. 66648
OTY

12345678910111213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364656667686970717273747576777879808182838485868788899091929394959697989910010110210310410510610710810911011111211311411511611711811912012112212312412512612712812913013113213313413513613713813914014114214314414514614714814915015115215315415515615715815916016116216316416516616716816917017117217317417517617717817918018118218318418518618718818919019119219319419519619719819920020120220320420520620720820921021121221321421521621721821922022122222322422522622722822923023123223323423523623723823924024124224324424524624724824925025125225325425525625725825926026126226326426526626726826927027127227327427527627727827928028128228328428528628728828929029129229329429529629729829930030130230330430530630730830931031131231331431531631731831932032132232332432532632732832933033133233333433533633733833934034134234334434534634734834935035135235335435535635735835936036136236336436536636736836937037137237337437537637737837938038138238338438538638738838939039139239339439539639739839940040140240340440540640740840941041141241341441541641741841942042142242342442542642742842943043143243343443543643743843944044144244344444544644744844945045145245345445545645745845946046146246346446546646746846947047147247347447547647747847948048148248348448548648748848949049149249349449549649749849950050150250350450550650750850951051151251351451551651751851952052152252352452552652752852953053153253353453553653753853954054154254354454554654754854955055155255355455555655755855956056156256356456556656756856957057157257357457557657757857958058158258358458558658758858959059159259359459559659759859960060160260360460560660760860961061161261361461561661761861962062162262362462562662762862963063163263363463563663763863964064164264364464564664764864965065165265365465565665765865966066166266366466566666766866967067167267367467567667767867968068168268368468568668768868969069169269369469569669769869970070170270370470570670770870971071171271371471571671771871972072172272372472572672772872973073173273373473573673773873974074174274374474574674774874975075175275375475575675775875976076176276376476576676776876977077177277377477577677777877978078178278378478578678778878979079179279379479579679779879980080180280380480580680780880981081181281381481581681781881982082182282382482582682782882983083183283383483583683783883984084184284384484584684784884985085185285385485585685785885986086186286386486586686786886987087187287387487587687787887988088188288388488588688788888989089189289389489589689789889990090190290390490590690790890991091191291391491591691791891992092192292392492592692792892993093193293393493593693793893994094194294394494594694794894995095195295395495595695795895996096196296396496596696796896997097197297397497597697797897998098198298398498598698798898999099199299399499599699799899910001001100210031004100510061007100810091010101110121013101410151016101710181019102010211022102310241025102610271028102910301031103210331034103510361037103810391040104110421043104410451046104710481049105010511052105310541055105610571058105910601061106210631064106510661067106810691070107110721073107410751076107710781079108010811082108310841085108610871088108910901091109210931094109510961097109810991100110111021103110411051106110711081109111011111112111311141115111611171118111911201121112211231124112511261127112811291130113111321133113411351136113711381139114011411142114311441145114611471148114911501151115211531154115511561157115811591160116111621163116411651166116711681169117011711172117311741175117611771178117911801181118211831184118511861187118811891190119111921193119411951196119711981199120012011202120312041205120612071208120912101211121212131214121512161217121812191220122112221223122412251226122712281229123012311232123312341235123612371238123912401241124212431244124512461247124812491250125112521253125412551256125712581259126012611262126312641265126612671268126912701271127212731274127512761277127812791280128112821283128412851286128712881289129012911292129312941295129612971298129913001

ER

10

18.09

1

1

—

1

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, closed bldg, not located within 4.50 ft from roof edge, CAT 11, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 gcpl (+/-)-0.18

Wind reactions based on MWFRS pressures.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

MUFRS loads based on trusses located at least 15.00 ft. from roof edge.



R=714 U=125 W=4"

Scale = .3/5" / ft.

DOUGLAS FLEMING
LICENSE
No. 66648



ALPINE

Haines City, FL 33844
FL COA #0278



JREF - 1TXP8228Z0

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

Roof overhang supports 2.00 psf soffit load.

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

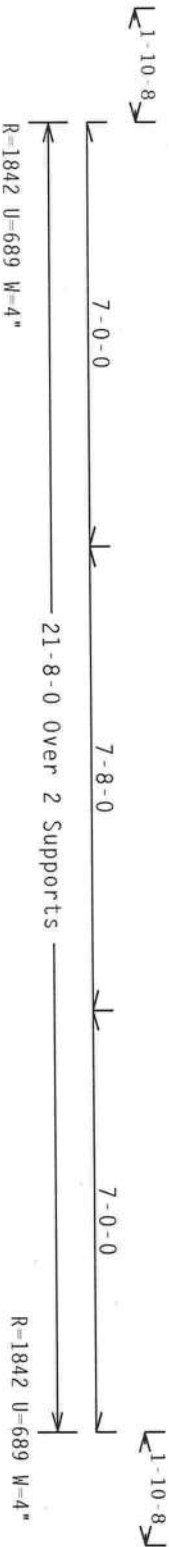
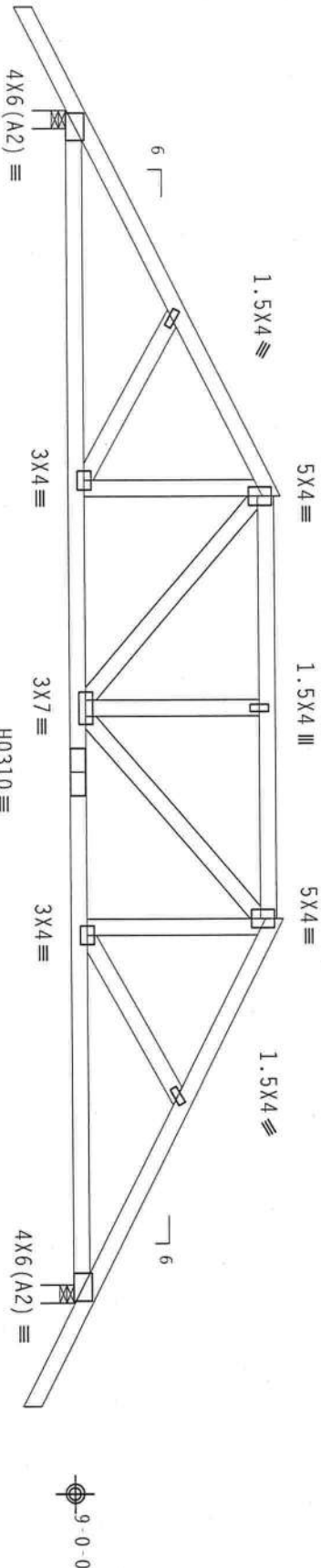
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(1/-)-0.18

Wind reactions based on MMFRS pressures.

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

Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-10-8 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 1-10-8 overhang. Right side jacks have 7-0-0 setback with 0-0-0 cant and 1-10-8 overhang.



PLT TYP. 20 Gauge HS.Wave

Design Crit: FBC2007Res/TP1-2002 (STD)
FT/RT=20%(0%)/0(0)

9.02.00

QTY:1

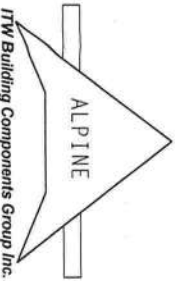
FL/-/4/-/R/-

Scale = .3125"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DECS (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY THE TRUSS PLATE MANUFACTURER. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314. AND/OR THE TRUSS MANUFACTURER'S INSTRUCTIONS. 6000 ENTERPRISE LANE, HANNOVER, NH 03033. THESE TRUSSES ARE DESIGNED TO PERFORM THESE FUNCTIONS. UNLESS OTHERWISE NOTED, ALL DIMENSIONS 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTOR PLATES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ACPA) AND TP1. THE BCG PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEAL OF THIS DESIGN. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 SEC. 2.



FL 000 and 278



TC LL	20.0 PSF	REF	R8228- 60331
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCSR8228 09352065
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	68178
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	UREF-	ITXP8228Z01

Top chord 2x4 SP #2 Dense :12 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)-0.18

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

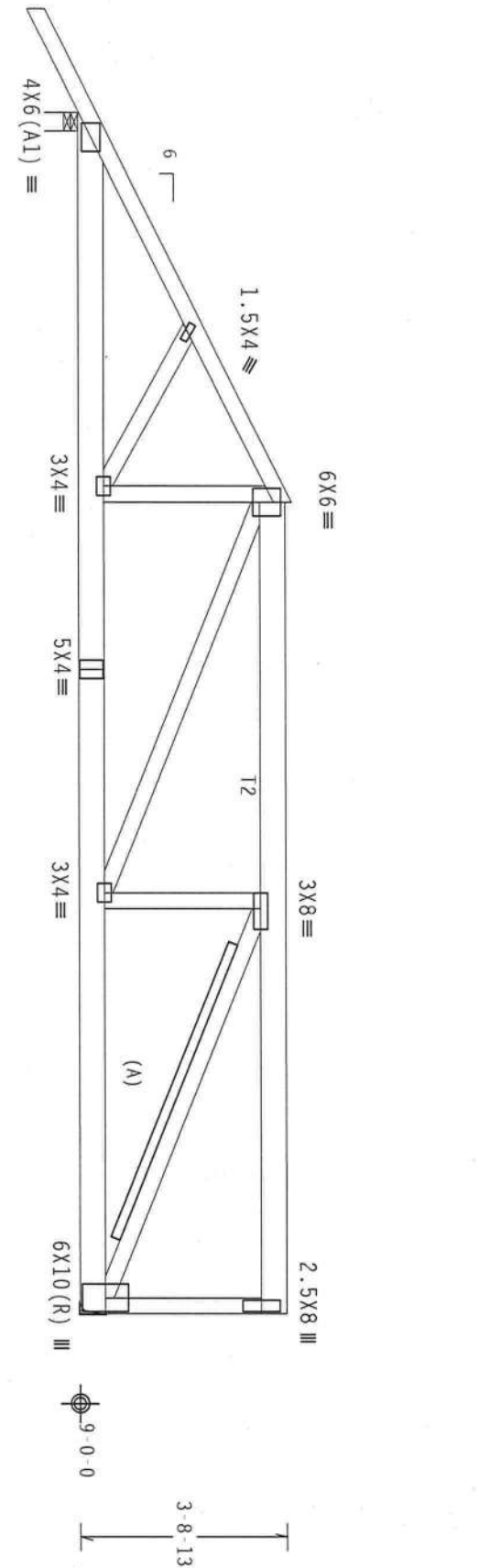
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Right end vertical not exposed to wind pressure.

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

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

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



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

9.02.00

Scale = .3125"/ft.

QTY: 1

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

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL 688-49 278

DOUBLE FLEMING
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF R8228- 60332
TC DL	10.0 PSF	DATE 12/18/09
BC DL	10.0 PSF	DRW HCUR8228 09352066
BC LL	0.0 PSF	HC-ENG JB/DF
TOT. LD.	40.0 PSF	SEON- 68207
DUR. FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TXP8228Z01

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, Exp C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpi (+/-)=0.18

Wind reactions based on MWRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



QTY:1

Scale = .3125" / Ft.



ALPINE

Haines City, FL 33844

FL 218

****WARNING**** INDICES REQUIRE EXISTING CODE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING REFER TO BEST (BUILDING CONCRETE EXISTENT CODE REFORMATION), WITHSHED BY TPI (THUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD THUSS COMPANY OF AMERICA, 6300 ENTERPRISE LANE, MORTON, IL, 52719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TWO CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE THUSS IN CONFORMANCE WITH TPI: ON FABRICATION, HANDLING, SHIPPING, INSTALLING, A BRACING OF THUSSES.

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF 905 NATIONAL DESIGN SPEC. (BY AISC) AND TPI. THE BCG CONCRETE PLATES ARE MADE OF 20/18/166A (G4/H/SSV) ASTM A663 GRADE 50/60 (G4/K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF THUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DIMENSIONS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AISC AND BY TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE THUSS COMPONENT OF THIS SHOW. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.



QTY:1

Scale = .3125" / Ft.

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

TC LL	20.0
-------	------

TC DL	10.0
-------	------

BC DL 10.0

RC 11 000

DC LL	0.0
TOT LD	40.0

101.LD. 40.0

DUR.FAC.	1.25
----------	------

SPACING 24.0"

THIS WORK PREPARED FROM COMPUTER INPUT (LUAUS & DIMENSIONS) SUBMITTED BY IKUUS MTK.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, closed bldg, not located within 4.50 ft from roof edge, CAT 1L, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 gcpl (+/-)-0.18

Wind reactions based on MWFRS pressures.

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

MMFRS loads based on trusses located at least 7.50 ft. from roof edge.



9.02.00

QTY:5

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

Scale = .3125" / ft.

WARNING—FIBER GLASS REINFORCED PLASTIC (FRP) PANELS USED IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BROCKING REFER TO NCPI (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (FIBERS PAPER INSTITUTE), 219 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COMPANY OF AMERICA), 6200 ENTERPRISE LANE, MADISON, AL 37179 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TWO CHORD SHAFTS HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED FIELD CEILING.

2.00
DOUGLAS FLEMING
LICENSE
No. 66648
QTY

****IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT**

★

★

•

110 120 130 140 150

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

Fl. cov. 278

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

Roof overhang supports 2.00 psf soffit load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.

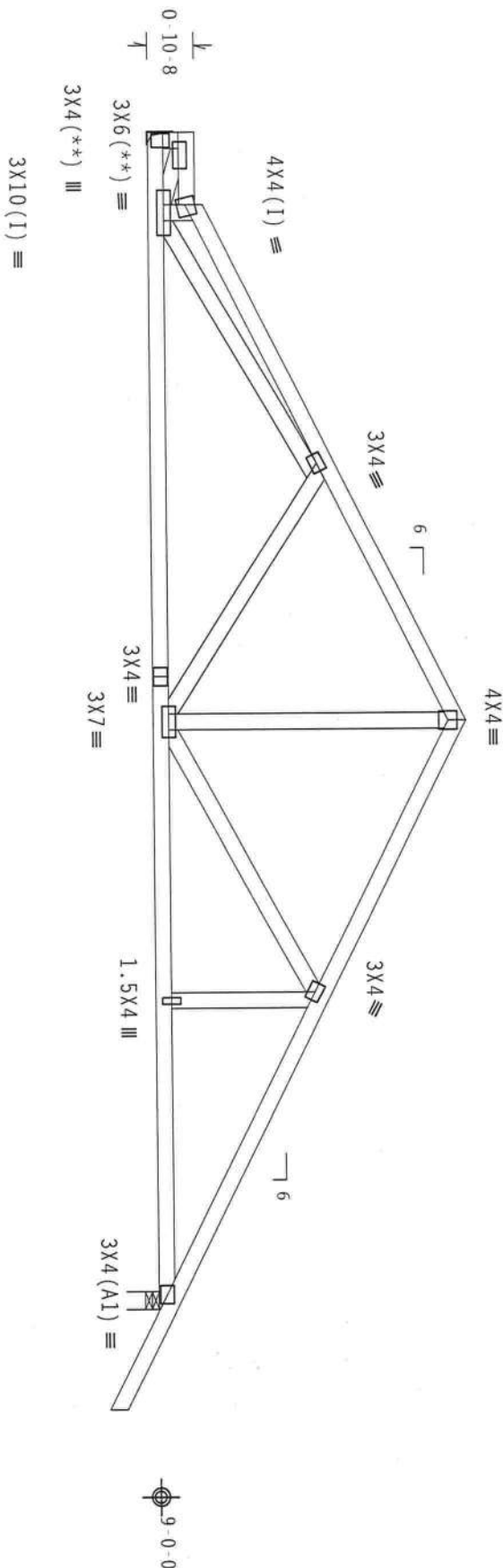
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18

Wind reactions based on MMFRS pressures.

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

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



1'-4-0" 9'-6-0" 21'-8-0" over 2 Supports 10'-10-0" 1'-10-8"

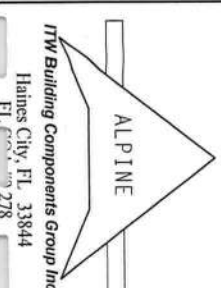
R=880 U-63
RL=184/-180 H=Simpson LUS24
W/ (2) 10d Common, 0.148"x3.0" nails in Truss
W/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2x10 min. So. Pine

Design Crit: FBC2007Res/TP1-2002(STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 53719) FOR SAFETY PRACTICES PRIOR TO PROCEEDING WITH THESE FUNCTIONS. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO OR DESTRUCTION OF THE TRUSS OR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS AND FOR THE PROPER BRACING OF THE TRUSS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER BRACING OF THE TRUSS AND FOR THE PROPER BRACING OF THE TRUSS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER BRACING OF THE TRUSS AND FOR THE PROPER BRACING OF THE TRUSS.



ITW Building Components Group Inc.
Haines City, FL 33844
FL 00000000 278



OTV:1	FL/-/4/-/R/-	Scale = .3125"/Ft.
TC LL	20.0 PSF	REF R8228- 60335
TC DL	10.0 PSF	DATE 12/18/09
BC DL	10.0 PSF	DRW HCUR8228 09352041
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 72795
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TXP8228201

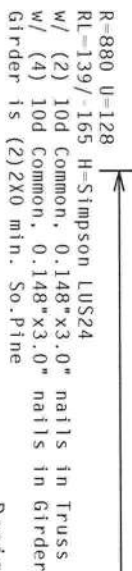
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP C, wind TC, DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 gcpl(+/-)=0.18

Wind reactions based on MIFRS pressures.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

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



R=1030 U=98 W=4"

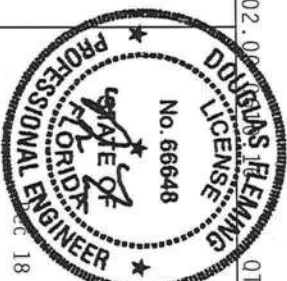
Scale = .3125" / Ft.

DOUGLAS
LICENSE
No. 66648

0412

ITW Building Components Group Inc.

Fl. Co. no 278



TC LL	20.0 PSF	REF	R8228 - 60337
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352043
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	72818
DUR.FAC.	1.25	FROM	AH
SPACING	24.0 "	JREF -	ITXP8228Z01

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

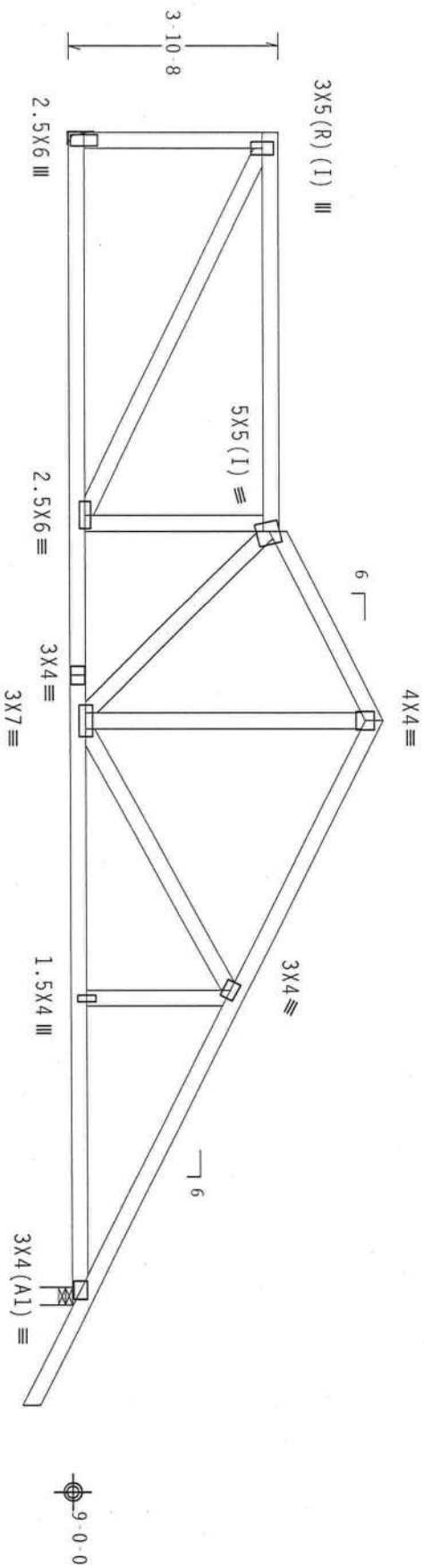
MFERS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 gcpl(+/-)-0.18

Wind reactions based on MFERS pressures.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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



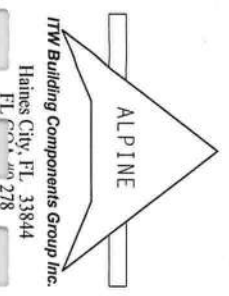
7-4-0 3-6-0 10-10-0
21-8-0 Over 2 Supports
R-880 U-241
RL-116/-158 H-Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X0 min. So. Pine
Design Cnlt: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

9.02.00

QTY:1

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

Scale = .3125"/ft.



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&I (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR COMMON 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING OR TO THE PERSONS OR PROPERTY OF ANYONE. THE DESIGN CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN AND FOR THE TRUSS DESIGN. THE TRUSS DESIGN SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228 - 60338
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352044
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT. LD.	40.0 PSF	SEQN-	72826
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1TXP8228Z01

Roof overhang supports 2.00 psf soffit load.

2 COMPLETE TRUSSES REQUIRED

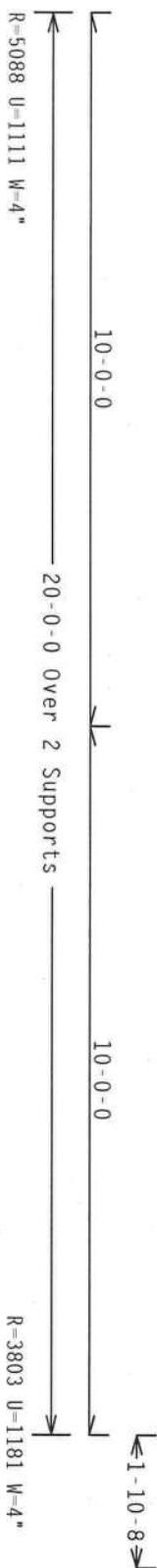
Nail Schedule: 0.131"x3" nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 4.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOS
located within 4.50 ft from roof edge, CAT II, EX
DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCPI(+/-)

Wind reactions based on MMFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, Exp C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 gcpi (+/-)=0.18



Scale = .375"/Ft.

*****WARNING***** THESE ARE OUTSIDE EXTENSION CASES IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO DC-1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IP1 (TROSS PAVIL INSTITUTE), 218 NORTH LEE STREET, SUITE 112, ALEXANDRIA, VA, 22314 AND HICA (GOOD PRACTICE COUNCIL OF AMERICA, 6500 GREENWICH AVENUE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO REINFORCING THESE FLOORS. UNDESIGNED OVERLOADS INDICATED THAT CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.



ALPINE

Haines City, FL 33844
FL 604 40278



TC LL	20.0 PSF	REF	R8228- 60342
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCSUR8228 09352067
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT. LD.	40.0 PSF	SEON-	68299
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	11XP8228201

Special loads

Roof overhang supports 2.00 psf soffit load.

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



R=7590 U=1456 W=4"

Scale = .375"/Ft.

ALPINE

ines City, FL 33844
FL 33844 278

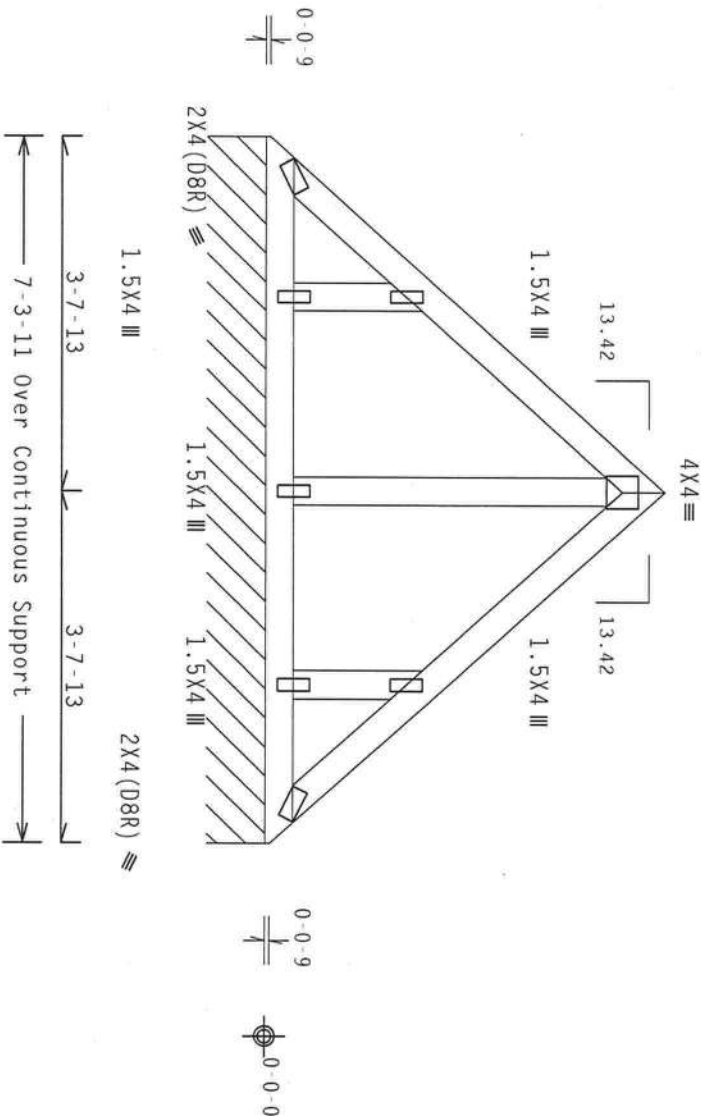


FL/-/4/-/-/R/-		Scale = 375"/Ft.	
TC LL	20.0 PSF	REF	R8228- 60343
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352075
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEON-	68305
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	11TXR8228Z01

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

THIS DESIGN IS NOT INTENDED TO BE USED AS A STAND ALONE TRUSS. THIS IS INTENDED TO BE USED AS A JACKSCAB

NOTE: THIS DESIGN IS NOT TO BE USED AS A ROOF TRUSS. IT IS ONLY TO BE USED AS A ROOF HIP FRAME.
SEE DETAIL HIPFRAME0109 FOR MORE INFORMATION.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=20%(0)/0(0)

9.02.00

QTY:1

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

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS CONJECT OF AMERICA, 6300 ENTERPRISE LANE, PROCTOR, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS OR THE BRACING OF THE TRUSS. THE TRUSS IS TO BE CONFORMANCE WITH THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASI AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (4/4/SS/2) ASH ASS 60/60 (4/4/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SILENT FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

ITW Building Components Group Inc.

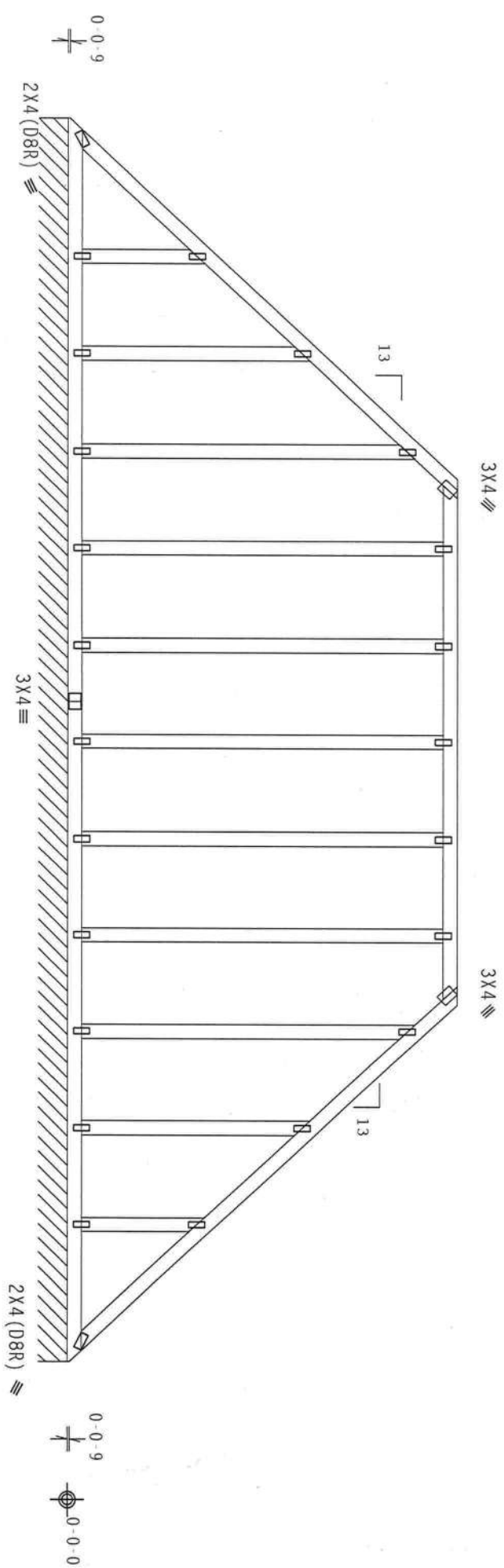
Haines City, FL 33844

FL 00000000 278



FL/-/4/-/-/R/-		Scale = .5"/Ft.	
TC LL	20.0 PSF	REF	R8228- 60344
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352069
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEON-	68348
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TYP8228201

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



R-2 PLF W-25-7-13

Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

QTY:1 FL-/4/-/-/R/- Scale = .3125"/ft.

ALPINE

RTW Building Components Group Inc.
Haines City, FL 33844
FL 002, Vol 278

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF THIS TRUSS. THE DESIGN OF THIS TRUSS IS THE RESPONSIBILITY OF THE DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGN OF THE TRUSS SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGN OF THE TRUSS SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGN OF THE TRUSS SHALL BE THE RESPONSIBILITY OF THE DESIGNER.

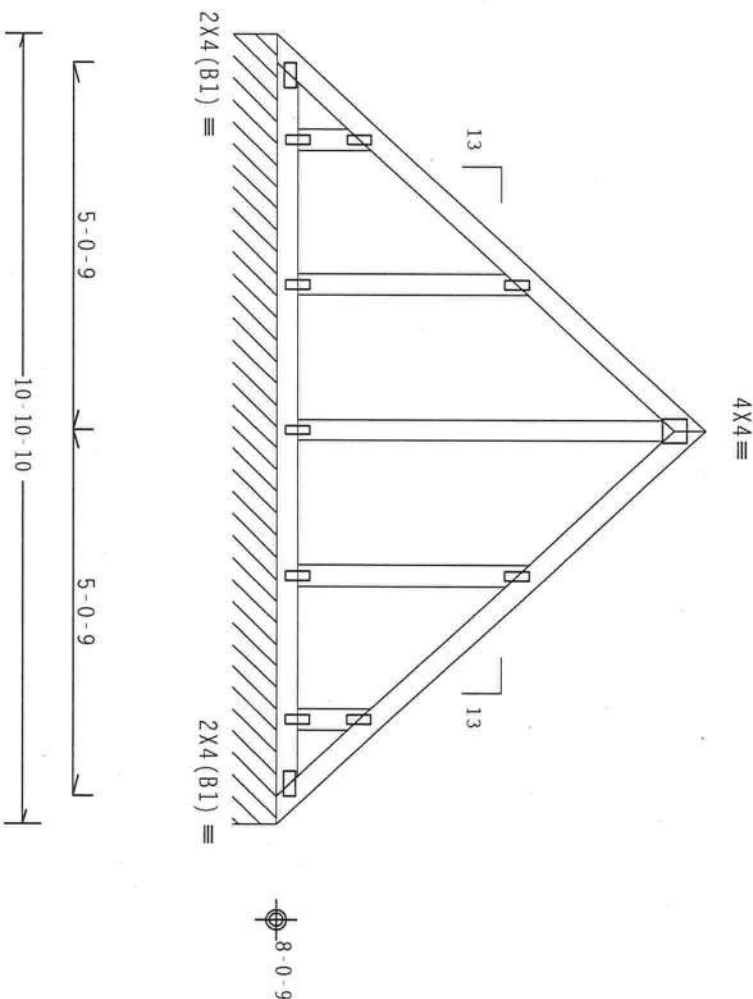
DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF	R8228- 60345
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCSUR8228 09352070
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SECON	68345
DUR.FAC.	1.25		
SPACING	24.0"	JREF	11XP8228201

THIS UMG PREPARED FROM COMPUTER INPUT (LUAS & DIMENSIONS) SUBMITTED BY IKUSS MFK.

THIS DESIGN IS NOT INTENDED TO BE USED AS A STAND ALONE TRUSS. THIS IS INTENDED TO BE USED AS A JACKSCAB

NOTE: THIS DESIGN IS NOT TO BE USED AS A ROOF TRUSS. IT IS ONLY TO BE USED AS A ROOF HIP FRAME.
SEE DETAIL HIPFRAME0109 FOR MORE INFORMATION.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

$$FT/RT=20\%(0\%)/0(0)$$

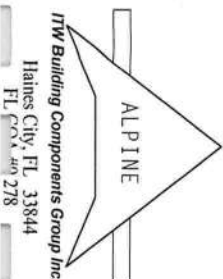
9.02.00

QTY:1

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

Scale = .375"/Ft.

* **WARNING** * FRIGES, BE-OFIDE, EXTERIOR, CAME IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DEACTING TO ACET (BOLDING, COMPONENT, SAFETY IN INFORMATION). PUBLISHED BY THE (FRIGS, PLANT, INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA, GOOD TRUSS COUNCIL OF AMERICA, 6500 GORDON INTERSTATE LANE, MAINTENANCE, #1, 51719) FOR SAFETY PRACTICES, PRIOR TO PERFORMING THESE FUNCTIONS. THE FOLLOWING INDICATED THAT GORDON SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GORDON SHALL HAVE PROPERLY ATTACHED BRIDG CELLING.

[illegible]

FL/-/4/-/-/R/-		Scale=.375"/ft.
TC LL	20.0 PSF	REF R8228- 60346
TC DL	10.0 PSF	DATE 12/18/09
BC DL	10.0 PSF	DRW HCUR8228 09352071
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEON- 68354
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TXP8228201

THIS WORK PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY KRUSZ MFK.

THIS DESIGN IS NOT INTENDED TO BE USED AS A STAND ALONE TRUSS. THIS IS INTENDED TO BE USED AS A JACKSCAB

NOTE: THIS DESIGN IS NOT TO BE USED AS A ROOF TRUSS. IT IS ONLY TO BE USED AS A ROOF HIP FRAME. SEE DETAIL HIPFRAME0109 FOR MORE INFORMATION.


$$FT/RT=20\%(0\%)/0(0)$$

9.02.00

QTY:1

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

Scale = .5" / Ft.

WARNING—FIBERS, RESIDUE, EXHIBIT, CAN, MATERIAL, HANDLING, SHIPPING, INSTALLING, AND BRACING REFER TO GC51 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE FIBROS PLASTIC INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK GORD TRUSS COMPANY OF AMERICA, 65000 ENTERPRISE LANE, HADISON, NJ, 07619 FOR SAFETY PRACTICES, PLEASE REFER TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUT/CORRAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT

ALPINE

ITW Building Components Group Inc

Haines City, FL 33844



TC LL	20.0 PSF	REF	R8228- 60347
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCSR8228 09352072
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	68351
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TXR8228Z01

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 Gcpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

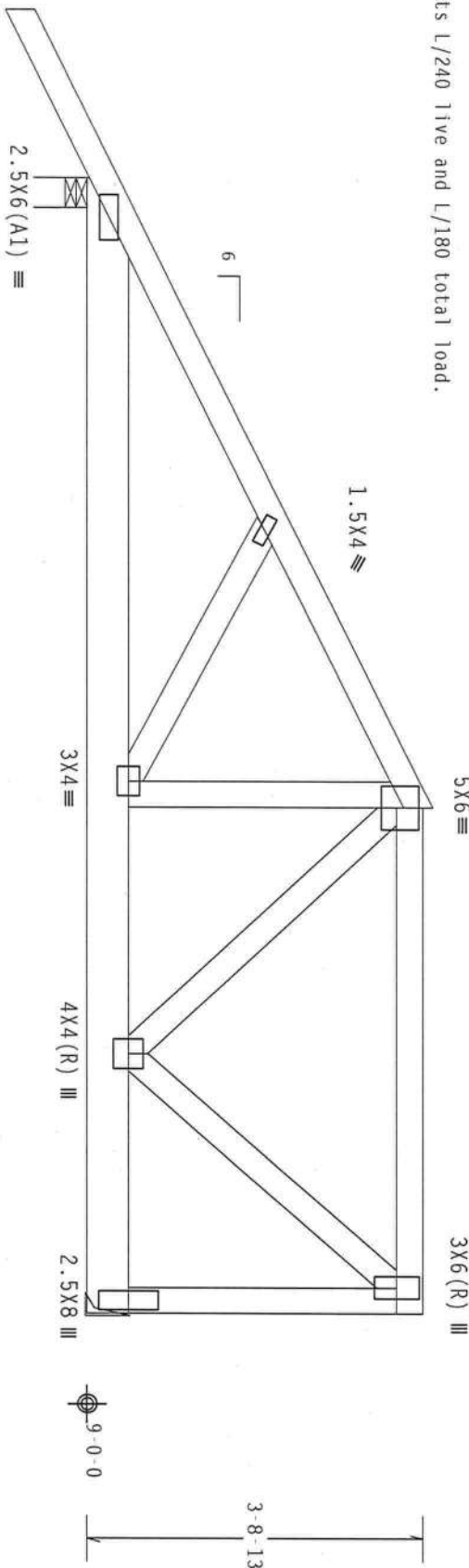
Deflection meets L/240 live and L/180 total load.

Special loads

TC - From	62 pif at -1.87 to 62 pif at 7.00
TC - From	62 pif at 7.00 to 62 pif at 12.67
BC - From	4 pif at -1.87 to 4 pif at 0.00
BC - From	20 pif at 0.00 to 20 pif at 12.67
TC - 444 lb Conc. load at 7.03	
TC - 195 lb Conc. load at 9.06	11.06
BC - 491 lb Conc. load at 7.03	
BC - 131 lb Conc. load at 9.06	11.06

Right end vertical not exposed to wind pressure.

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



PLT TYP. Wave

Design Crit: FBC2007Res/TP1-2002(STD)
FT/RT=20%(0%)/0(0)

9.02.00

R=1536 U=437 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d, 0.148"x1.5" nails in Girder
Girder is (1)2X6 min. So.Pine

Scale = .5"/Ft.

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

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

HC-ENG JB/DF

SEON- 68311

FROM AH

JREF- 1TXP8228201

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/4/-/R/-

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

HC-ENG JB/DF

SEON- 68311

FROM AH

JREF- 1TXP8228201

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/4/-/R/-

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

HC-ENG JB/DF

SEON- 68311

FROM AH

JREF- 1TXP8228201

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/4/-/R/-

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

HC-ENG JB/DF

SEON- 68311

FROM AH

JREF- 1TXP8228201

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/4/-/R/-

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

HC-ENG JB/DF

SEON- 68311

FROM AH

JREF- 1TXP8228201

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/4/-/R/-

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

HC-ENG JB/DF

SEON- 68311

FROM AH

JREF- 1TXP8228201

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/4/-/R/-

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

HC-ENG JB/DF

SEON- 68311

FROM AH

JREF- 1TXP8228201

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/4/-/R/-

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

HC-ENG JB/DF

SEON- 68311

FROM AH

JREF- 1TXP8228201

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/4/-/R/-

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

HC-ENG JB/DF

SEON- 68311

FROM AH

JREF- 1TXP8228201

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/4/-/R/-

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

HC-ENG JB/DF

SEON- 68311

FROM AH

JREF- 1TXP8228201

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/4/-/R/-

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

HC-ENG JB/DF

SEON- 68311

FROM AH

JREF- 1TXP8228201

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/4/-/R/-

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

HC-ENG JB/DF

SEON- 68311

FROM AH

JREF- 1TXP8228201

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/4/-/R/-

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

HC-ENG JB/DF

SEON- 68311

FROM AH

JREF- 1TXP8228201

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/4/-/R/-

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

HC-ENG JB/DF

SEON- 68311

FROM AH

JREF- 1TXP8228201

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/4/-/R/-

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

HC-ENG JB/DF

SEON- 68311

FROM AH

JREF- 1TXP8228201

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/4/-/R/-

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

HC-ENG JB/DF

SEON- 68311

FROM AH

JREF- 1TXP8228201

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/4/-/R/-

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

HC-ENG JB/DF

SEON- 68311

FROM AH

JREF- 1TXP8228201

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FL/4/-/R/-

REF R8228- 60348

DATE 12/18/09

DRW HCUSR8228 09352059

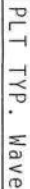
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP C, wind TC, DL=5.0 psf, wind BC DL=5.0 psf, $I_w=1.00$ gcpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

[illegible]

9.02.00

QTY: 1

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

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R8228-
TC DL	10.0 PSF	DATE	12/1

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITU BCG, INC. SHALL NOT

★

☐ 1
☐ 2
☐ 3
☐ 4
☐ 5
☐ 6
☐ 7
☐ 8
☐ 9
☐ 10
☐ 11
☐ 12
☐ 13
☐ 14
☐ 15
☐ 16
☐ 17
☐ 18
☐ 19
☐ 20
☐ 21
☐ 22
☐ 23
☐ 24
☐ 25
☐ 26
☐ 27
☐ 28
☐ 29
☐ 30
☐ 31
☐ 32
☐ 33
☐ 34
☐ 35
☐ 36
☐ 37
☐ 38
☐ 39
☐ 40
☐ 41
☐ 42
☐ 43
☐ 44
☐ 45
☐ 46
☐ 47
☐ 48
☐ 49
☐ 50
☐ 51
☐ 52
☐ 53
☐ 54
☐ 55
☐ 56
☐ 57
☐ 58
☐ 59
☐ 60
☐ 61
☐ 62
☐ 63
☐ 64
☐ 65
☐ 66
☐ 67
☐ 68
☐ 69
☐ 70
☐ 71
☐ 72
☐ 73
☐ 74
☐ 75
☐ 76
☐ 77
☐ 78
☐ 79
☐ 80
☐ 81
☐ 82
☐ 83
☐ 84
☐ 85
☐ 86
☐ 87
☐ 88
☐ 89
☐ 90
☐ 91
☐ 92
☐ 93
☐ 94
☐ 95
☐ 96
☐ 97
☐ 98
☐ 99
☐ 100

[illegible]

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

DESIGN SHOWN. THE SUSTAINABILITY AND USE BUILDING DESIGNED PER AIA/CES 1 SET 2



18.09

DUR.FAC. 1.25

FROM AH

SPACING	24.0"	JREF - 1TXP8228Z01
---------	-------	--------------------

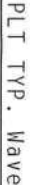
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TD DL=5.0 psf, wind BC DL=5.0 psf 1W=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



9.02.00

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

Scale = .375"/Ft.

	REF
TC LL	20.0 PSF
TC DL	10.0 PSF
TC PL	10.0 PSF

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT

BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TROSS IN CONFORMANCE WITH THE TROSS FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONDITIONS FOR APPLICABLE PROVISIONS OF MD5 (NATIONAL DESIGN SPEC., BY AIAA) AND THE CONNECTOR PLATES ARE MADE OF 2019/1664 (W./W./K.) ASTM A653 GRADE 40/60 (H. K./H./SS) GALV. STEEL. APPLY TO EACH FACE OF PLATES AND WELDS ATTACHED TO THE CONNECTOR PLATES. POSITION OF PLATES TO BE INDICATED BY DRAWING 1604-2.

PLATES TO EACH OF THOSE AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A AND 100B. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS

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.

2.00
OT

TC LL	20.0 PSF	REF	R8228- 60350
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCU8R8228 09352048
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	68321
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TXP8228Z01

Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load

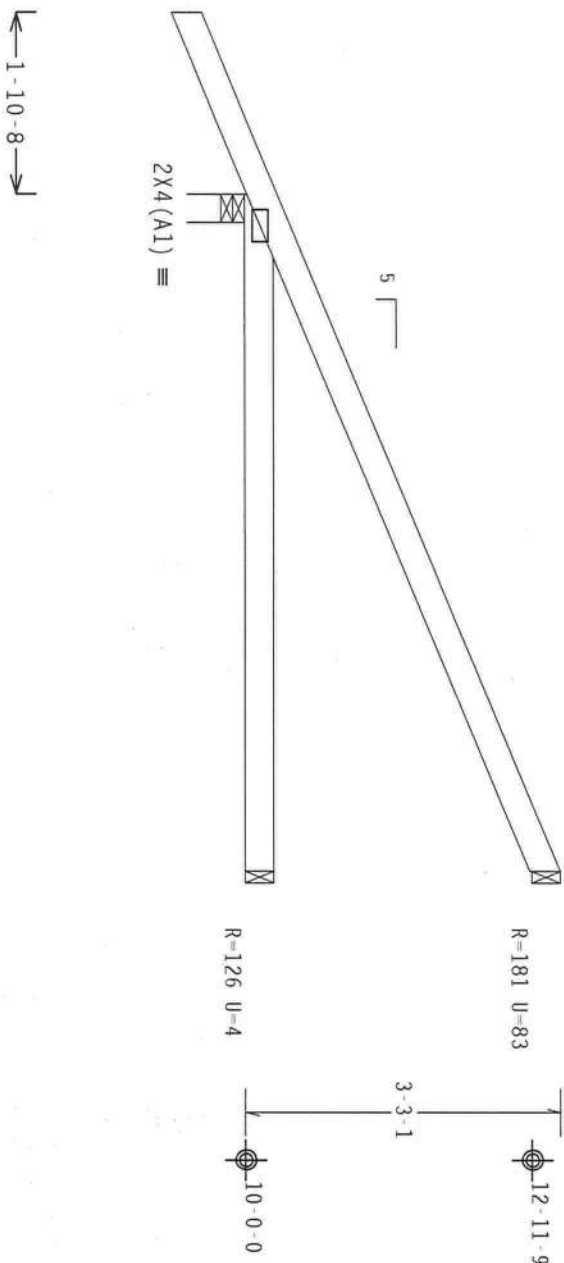
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ Gcpi (+/-)=0.18

Wind reactions based on MAFRS pressures.

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD,
FT/RT=20%(0%)/0(0))

9.02.06

QTY:14 FL/-/4/-/-/R/-/-

Scale = .5"/Ft.

WARNING THESE BUILDING EXTERIOR CASES INVOLVING THE INSTALLATION, SHIPPING, UNLOADING AND BRACING OF STEEL STRUCTURAL COMPONENTS ARE NOT TO BE CONSIDERED A STANDARD PRACTICE. THIS INFORMATION IS BEING REFERRED TO ONLY FOR EDUCATIONAL PURPOSES. IT DOES NOT REPRESENT ANY ENDORSEMENT OR RECOMMENDATION BY THE PROFESSIONAL SOCIETY OF CIVIL ENGINEERS. THE DESIGN OF SUCH PROJECTS SHOULD BE LEFT TO THE RESPONSIBILITY OF THE DESIGNER. THE FOLLOWING INFORMATION WAS OBTAINED FROM THE RECORD DRAWINGS OF THE PROJECTS:

NORTH LANE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICHITA (0600) TRUSS COMPANY OF AMERICA, 65000 DOWNSBORO ROAD, SUITE 100, WICHITA, KS, 67212

ENTERPRISE LANE, MOBILE 318, 523719 FOR SAFETY PRACTICES AND PRECAUTIONS REGARDING THE USE OF ANCHORS, UNLESS OTHERWISE INDICATED THEY SHOULD HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

No. 66648

DOUGLAS FLEMING
LICENSE



ALPINE

Haines City, FL 33844
 FL 608 49778

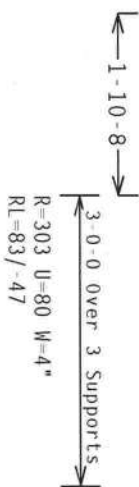
Dec 18 '09

TC LL	20.0 PSF	REF	R8228- 60352
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352050
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	67570
DUR.FAC.	1.25	FROM	GA
SPACING	24.0"	JREF-	1TXP8228201

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 Gcpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

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



Scale = .5"/ft.

2.00
DOUGLAS FLEMING
LICENSE
No. 66648
OTY



ER

OFFICE OF THE
CLERK OF THE
COURT

ORIGINAL EDITED 18

1

[illegible]

TC LL	20.0 PSF	REF	R8228- 60355
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUR8228 09352052
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEON-	6/656
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TXP8228Z01

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCPI (+/-)=0.18

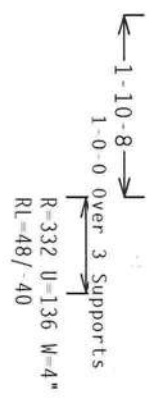
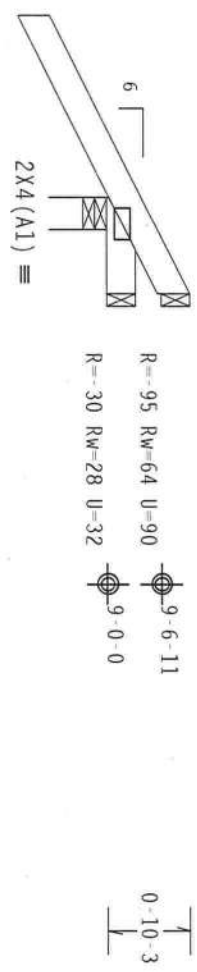
Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MMFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=20%(0%)/0(0)

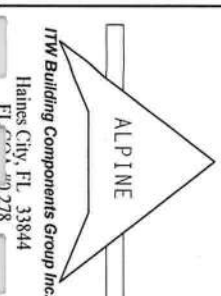
9.02.00

QTY:18 FL/-/4/-/-/R/-

Scale =.5"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE 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 BY ALPINE AND TPI. DESIGNER'S PLATES ARE MORE OR LESS (OR JUST) ASIN ASST GRANT 40/60 (R/KH-S) GARY, STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R8228- 60356
TC DL	10.0 PSF	DATE 12/18/09
BC DL	10.0 PSF	DRW HCUR8228 09352053
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEON- 67660
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TXP8228Z01

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

Roof overhang supports 2.00 psf soffit load.

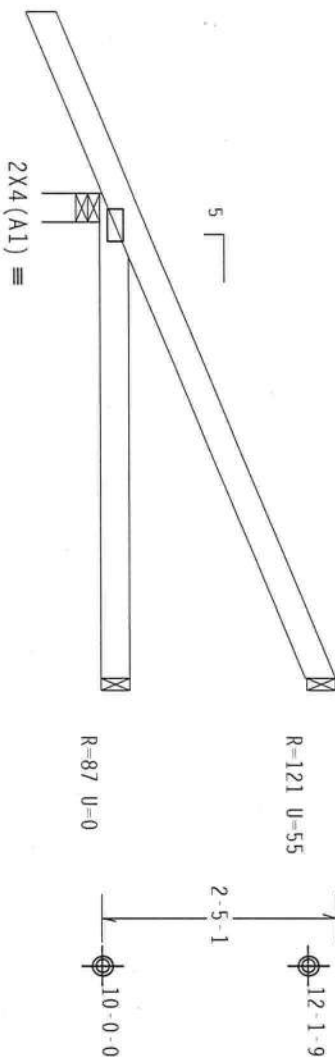
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, Exp C, wind TC DL=5.0 psf,
wind BC DL=5.0 psf, IW=1.00 GCPI(+/-)-0.18

Wind reactions based on MMFRS pressures.

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



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

9.02.00

QTY:4

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

Scale =.5"/Ft.

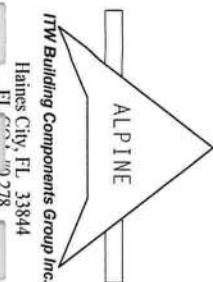
****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR 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. THE RESI, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE RESI, INC. DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE RESI, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE RESI, INC. DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE RESI, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE RESI, INC. DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

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

REF R8228- 60357
DATE 12/18/09
DRW HCUR8228 09352054
HC-ENG JB/DF
SEQN- 67573
FROM AH

JREF- 1TXP8228Z01



SPACING 24.0"

JREF- 1TXP8228Z01

THIS WORK PREPARED FROM COMPUTER INPUT (LUAUS & DIMENSIONS) SUBMITTED BY IKUSS MFK.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 gcpi (+/-) -0.18

Wind reactions based on MWFRS pressures.

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



Scale = .5"/Ft.

DOUGLAS FLEMING
LICENSE
No. 66648



ALPINE

Haines City, FL 33844
FL 33844-2778



TC LL	20.0 PSF	REF	R8228 - 60358
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 093520
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN -	67576
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1TXP8228Z01

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

Roof overhang supports 2.00 psf soffit load.

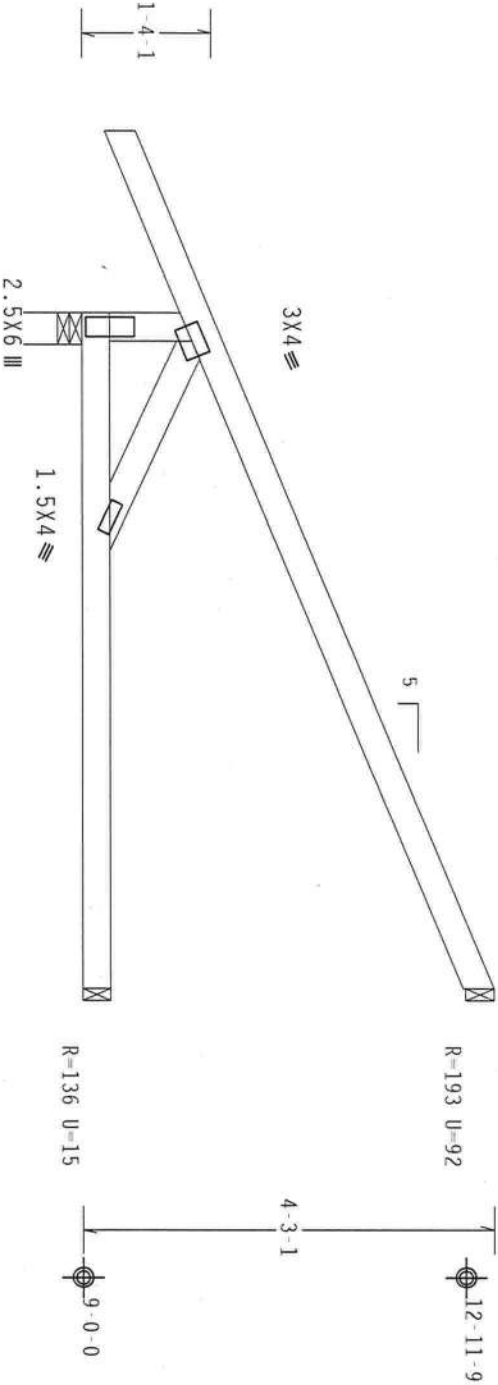
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, located
anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0
psf. Iw=1.00 GCPI(+/-)=0.18

Wind reactions based on MWFRS pressures.

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



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

9.02.00

QTY:7

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

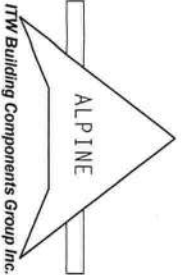
Scale = .5"/Ft.

****WARNING**** BRIDGE EXTERIOR CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&I (BRIDGING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE 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 BY ALPINE AND TPI.

THIS DESIGN IS THE PROPERTY OF BCG, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. ANY VIOLATION OF THIS DESIGN SHALL BE CONSIDERED A VIOLATION OF THE BUILDING CODE. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE



Haines City, FL 33844
FL 00000-0000



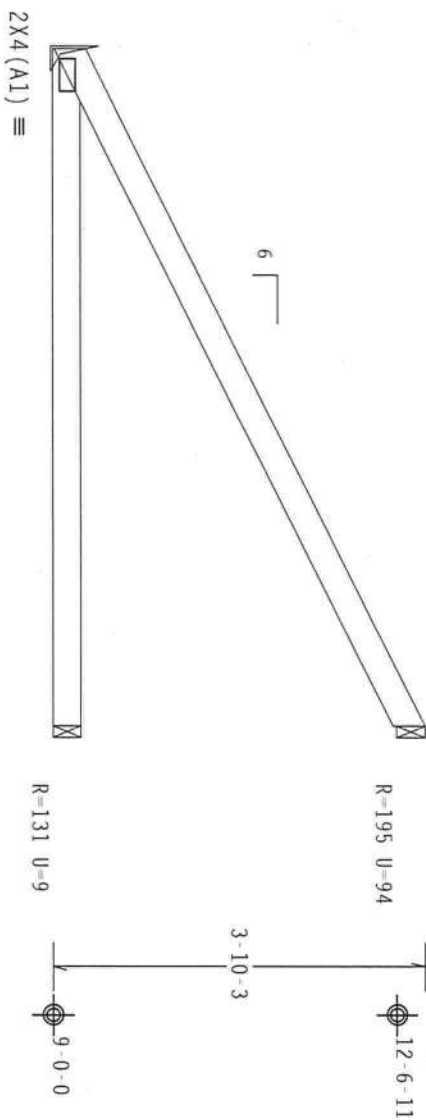
TC LL	20.0 PSF	REF	R8228- 60360
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCSUR8228 09352019
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SECTN	67647
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF	1TXP8228201

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAI II, EXP C, wind TC DL-5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: FBC2007Res/TPI-2002(STD)

$$FT/RT=20\%(0\%)/0(0$$

9.02.00

QTY: 3

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

Scale = .5"/Ft.

WARNING: THESE REINFOR EXTERIOR CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO NC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 317, ALEXANDRIA, VA, 22314) AND UIC (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719) FOR PROPER TRUSSING THESE FUNCTIONS. DIMENSIONS INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED FIELD CHORDS.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE REG. INC. SHALL NOT

BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TROSS IN CONFORMANCE WITH THE FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TROSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC., BY AIAA) AND IPT. 11W BC

CONNECTOR PLATES ARE MADE OF 20/10/16GA (H, H/SS/K) ASTM A653 GRADE 40/60 (H, K/H, SS) GALV. STEEL. APPLY

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

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF 1P11-2002 SEC.3. A SEAL ON THE

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE CROSS COMPONENT

DESIGN SHOWN, THE SOLIDILITY AND USE OF THIS COMPONENT FOR THE BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

[illegible]

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL 800.440.278

Haines City, FL 33844
FL 33844-278



TC LL	20.0 PSF	REF	R8228- 60362
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HCUSR8228 09352058
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEON-	67808
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TXP8228201

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCPI(+/-)-0.18

Wind reactions based on MWFRS pressures.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

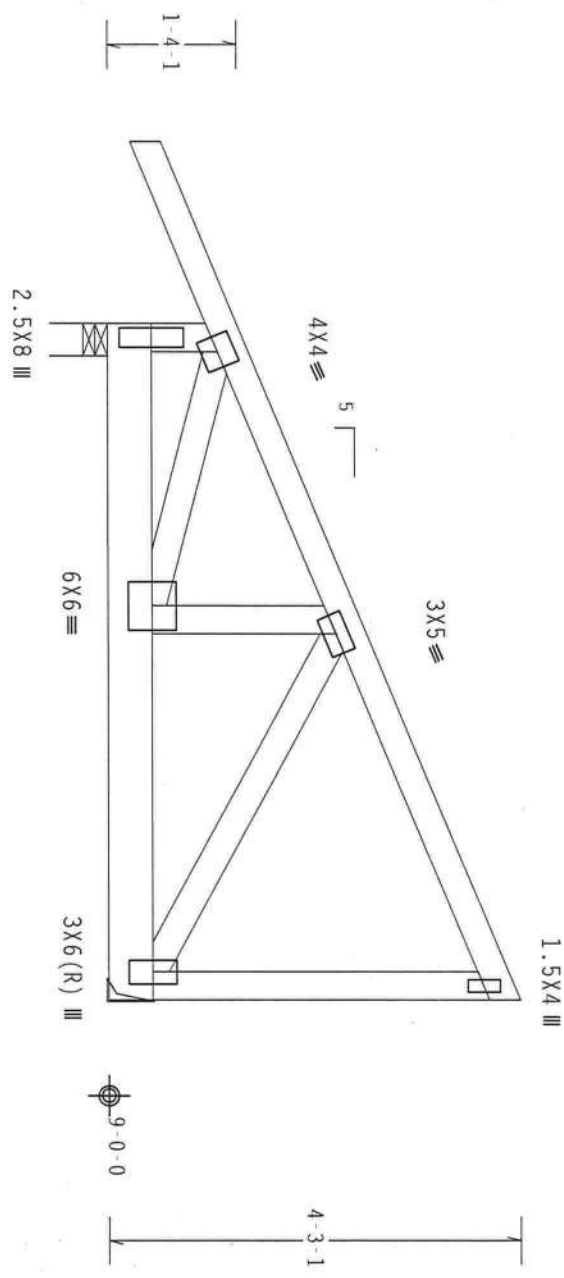
Special loads

TC - From	62 plf at -1.88 to 62 plf at 7.00
BC - From	4 plf at -1.88 to 4 plf at 0.00
BC - From	20 plf at 0.00 to 20 plf at 7.00
BC - 714 lb Conc. Load at	1.06 , 3.06, 5.06

Right end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

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



Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)
R-1206 U-238 H-Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2) 2X6 min. So Pine

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

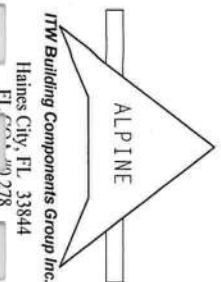
9.02.00

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

Scale =.5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE RCG, 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 BY ALPINE AND TPI. DESIGN COMPLIANCE WITH THE 2012/2015/2018 (OR LATEST) ASHRAE 90.1 GRADE 40/60 (R, K/H, SS) GARY, STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A2 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R8228- 60363
TC DL	10.0 PSF	DATE 12/18/09
BC DL	10.0 PSF	DRW HCURS8228 09352061
BC LL	0.0 PSF	HC-ENG JB/DF
TOT. LD.	40.0 PSF	SEGN- 68171
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1TXP8228Z01

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.

Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load.

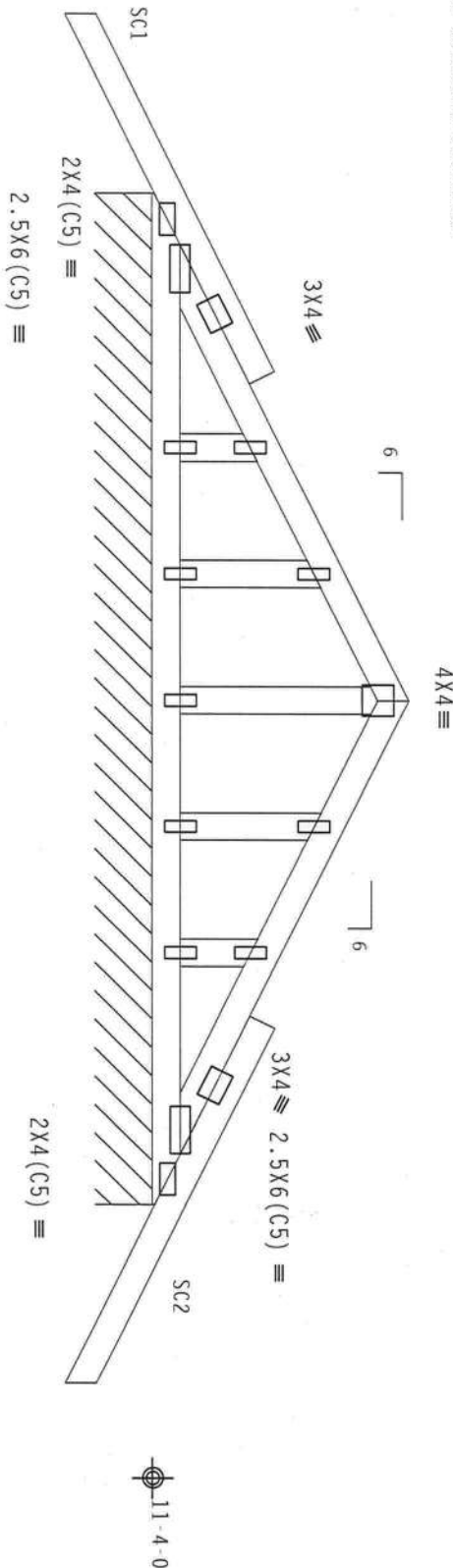


Figure 1: Typical cross section of the bridge deck. The diagram shows a cross-section of a bridge deck with various dimensions. The total width is 10-8-0. The deck is divided into sections with widths of 3-4-0, 6-8-0, and 2-8-0 (NML). The total depth is 10-8-0. The deck is supported by a continuous support. The diagram is labeled "10-8-0 Over Continuous Support" and "1-10-8".

Design Crit: FBC2007Res/TP1-2002(STD)

$$\overline{FT/RT} = 20\%(0\%) / 0(0)$$

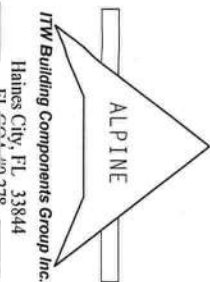
9.02.00

QTY:1

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

Scale = .5"/Ft.

WARNING: PRIESTS' RIGIDING EXTERIOR CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY FBI (FIBER PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AFCA (GOOD TRUSS COUNCIL OF AMERICA, 65000 UNIVERSITY DRIVE, SUITE 1500, MARYSDALE, MI 48319) FOR SAFETY PRACTICES PERTAINING TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID SETTING.

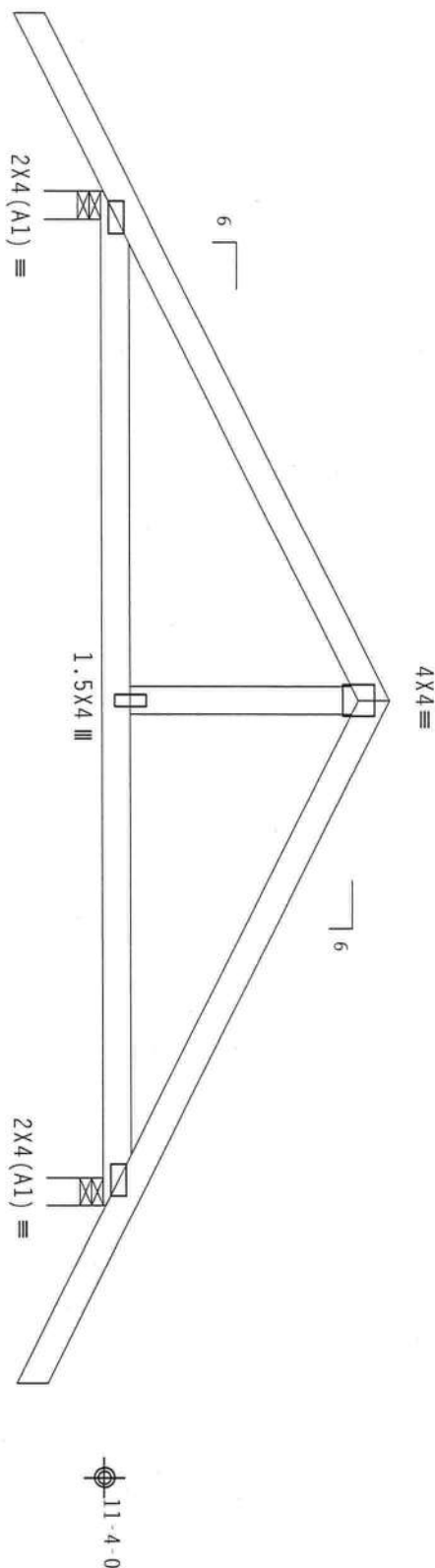
[illegible]

FL/-/4/-/-/R/-		Scale = .5"/Ft.
TC LL	20.0 PSF	REF R8228- 60364
TC DL	10.0 PSF	DATE 12/18/09
BC DL	10.0 PSF	DRW HCUR8228 09352021
BC LL	0.0 PSF	HC-ENG JB/DF *
TOT.LD.	40.0 PSF	SEQN- 68336
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TXP8228201

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 gcpl(+/-)=0.18

Wind reactions based on MIFRS pressures.

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



1-10-8

R=565 U=153 W=3.5"

Scale = .5" / ft.

DOUBLE-ARMING
LICENSE
No. 66648

* * IMPORTANT * * FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI. 1TH BCG

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2 AND 160B-2. THE TRUSS SHALL BE FABRICATED BY THE MANUFACTURER OF PLATE JOINTS. THE MANUFACTURER OF PLATE JOINTS SHALL BE RESPONSIBLE FOR THE DESIGN OF THE PLATE JOINTS AND THE MANUFACTURER OF PLATE JOINTS SHALL BE RESPONSIBLE FOR THE DESIGN OF THE PLATE JOINTS.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE CROSS COMPONENT DESIGN SHOW THE SUITABILITY AND USE OF THIS COMPONENT IS THE RESPONSIBILITY OF THE

BUILDING DESIGN: PER ANSI/APA 1 SEC. 2.

TC LL	20.0 PSF	REF	R8228- 60365
TC DL	10.0 PSF	DATE	12/18/09
BC DL	10.0 PSF	DRW	HGUSR8228 09352020
BC LL	0.0 PSF	HC-ENG	JB/DF *
TOT.LD.	40.0 PSF	SEON-	68325
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TXP8228Z01

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

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED
CIB SHOWN ON SINGLE PLAY 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.

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEERS SEALED DESIGN.

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

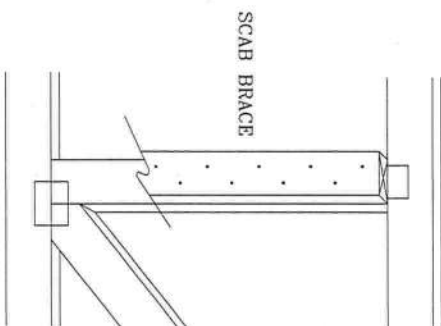
Building Components Group Inc.

Earth City, MO 63045

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



APPLY SCABS) 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



SCAB BRACE

*****WARNING*** READ AND FOLLOW ALL NOTES ON THIS SHEET.** Trussman require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the following notes. Trussman will not be responsible for any damage to the truss system or any other component of the building. Trussman installers shall provide temporary bracing per BISH. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BISH sections B3 and B7. See this job's general notes page for more information.

responsibility of the Building Designer per ANSI/TPI 1 Sec. 2
ITW-BCG: www.itwbcg.com; TPI: www.tpinet.com; MTCA: www.sbciindustry.com; ICC: www.iccsafe.org

DOUGLAS FLEMING
LICENSE
No. 66648
★ '09 ★

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB0109
BC LL	PSF		
NOT. LD.	PSF		
UR. FAC.			
PACING			

NAIL SPACING DETAIL

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

BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCE THIS DETAIL.

LOAD PERPENDICULAR TO GRAIN

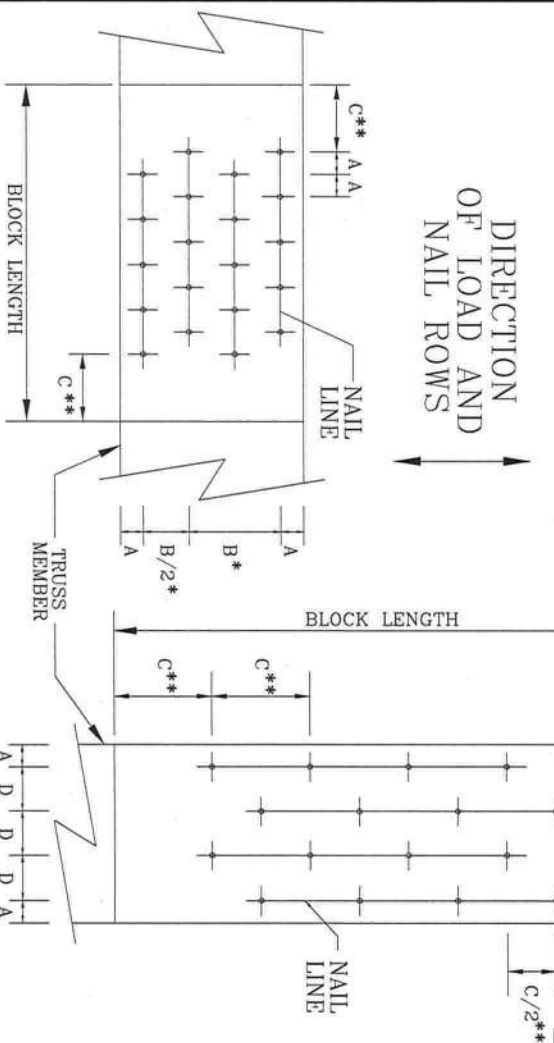
- A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
- B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
- C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN

- A - EDGE DISTANCE (6 NAIL DIAMETERS)
- C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)
- D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 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%



MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES			
	A	B*	C**	D
8d BOX (0.113" X 2.5", MIN)	3/4"	1 3/8"	1 3/4"	7/8"
10d BOX (0.128" X 3", MIN)	7/8"	1 5/8"	2"	1"
12d BOX (0.128" X 3.25", MIN)	7/8"	1 5/8"	2"	1"
16d BOX (0.135" X 3.5", MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
20d BOX (0.148" X 4", MIN)	1"	1 7/8"	2 1/4"	1 1/8"
8d COMMON (0.131" X 2.5", MIN)	7/8"	1 5/8"	2"	1"
10d COMMON (0.148" X 3", MIN)	1"	1 7/8"	2 1/4"	1 1/8"
12d COMMON (0.148" X 3.25", MIN)	1"	1 7/8"	2 1/4"	1 1/8"
16d COMMON (0.162" X 3.5", MIN)	1"	2"	2 1/2"	1 1/4"
GUN (0.120" X 2.5", MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131" X 2.5", MIN)	7/8"	1 5/8"	2"	1"
GUN (0.120" X 3", MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131" X 3", MIN)	7/8"	1 5/8"	2"	1"

LOAD APPLIED PERPENDICULAR TO GRAIN LOAD APPLIED PARALLEL TO GRAIN



Building Components Group Inc.

Earth City, MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI (Building Component Safety Information, by TPI and WTC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent internal restraint of web members and bracing installed per BCSI sections B3 & B7. See this job's general notes page for more information.

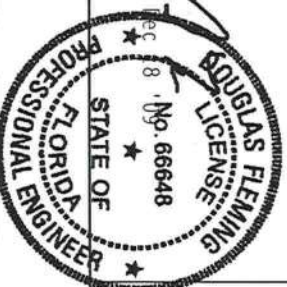
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.

ITW Building Components Group Inc. (ITWBCG) 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. ITWBCG connector plates are made of 20/16/16CA (W/F/S/R) ASTM A553 Grade 57/40/60 K/A/F/S) gale, steeling. Apply plates to each face of truss, providing full contact with the truss web. The plates shall be installed in accordance with the design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. ITW - BCSI: www.itwbcg.com; TPI: www.tpi.net; WTC: www.abctindustry.com; ICC: www.iccsafe.org

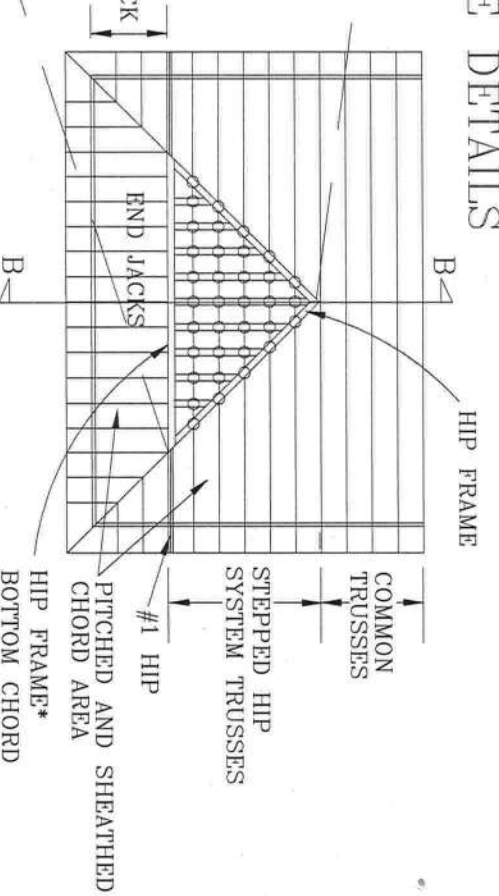
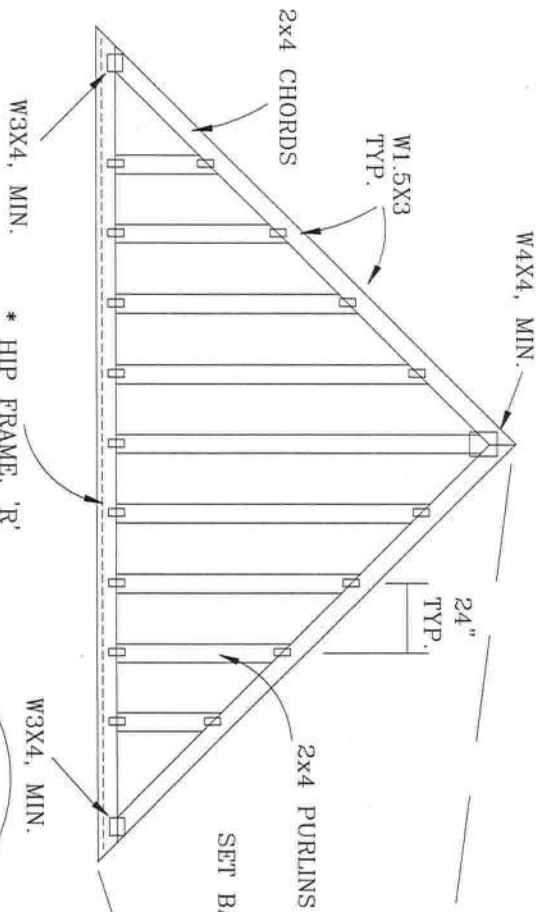
REF NAIL SPACE

DATE 1/1/09

DRWG CENNAISP0109



* HIP FRAME DETAILS



ATTACH HIP FRAME TO FLAT CHORDS OF STEPPED HIP AT ALL OVERLAPPING POINTS WITH 2-10d (0.148"x3") COMMON NAILS. BOTTOM CHORD OF HIP FRAME TO BE ATTACHED TO #1 HIP WITH 10d COMMON (0.148"x3") NAILS @ 6" O.C. MAXIMUM SPACING.

SECTION B-B

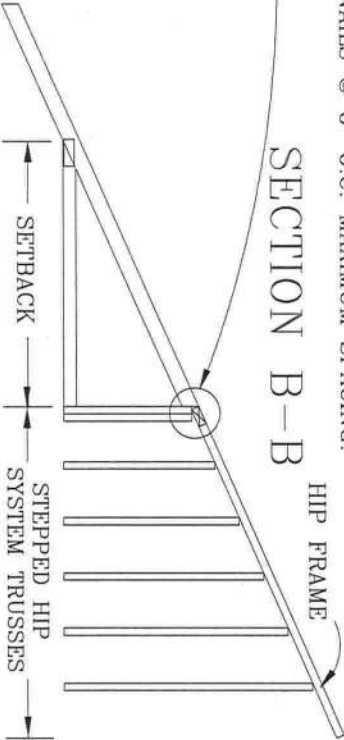
USE THIS DETAIL FOR ASCE 7-02 OR ASCE 7-05 WIND, 110 MPH, 30' MEAN HEIGHT, ENCLOSED BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=4.2 PSF, Kzt=1.00

HIP FRAME STOPS AT PLUMB CUT OF JACKS TO MAINTAIN PITCH CONTINUITY.

* HIP FRAME LUMBER IS SPF, SO. PINE, HF, OR DFL STANDARD, STUD GRADE, OR BETTER.

SEE ENGINEER'S SEALED DESIGN FOR SETBACK, LUMBER, PLATING, LOADING AND DURATION FACTOR REQUIRED.

* HIP FRAME CHORDS MAY BE TRIMMED UP TO 2" TO FIT. PURLINS MUST BE INTACT AND PROPERLY ATTACHED.



HIP FRAME - PROVIDED BY TRUSS MANUFACTURER. HIP FRAME IS DESIGNED TO PROVIDE BRACING FOR FLAT TOP CHORDS OF HIP FRAME SYSTEM WHERE INDICATED. STRUCTURAL PANELS MUST BE PROPERLY ATTACHED DIRECTLY TO HIP FRAME PURLINS.



Building Components Group Inc.

Earth City, MO 63045

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI (Building Component Safety Information, by TPI and WTC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 & B7. See this job's general notes page for more information.

****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW Building Components Group Inc. (ITWBCG) 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. ITWBCG connector plates are made of 2018/16GA (W1/3/K) ASTM A653 grade 37/40/60 (K/W/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and on joint details. A seal on this drawing or cover page indicates acceptance and professional seal of the manufacturer. The responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.

ITW-BCG: www.itwbcg.com; TPI: www.tpi.net; WTC: www.bchindustry.com; ICC: www.iccsafe.org



REF	HIP FRAME
DATE	1/1/09
DRWG	HIPFRAME0109

CABLE TRUSS PLATE SIZES

REFER TO APPROPRIATE ITW CABLE DETAIL FOR MINIMUM PLATE SIZES FOR VERTICAL STUDS.

④ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK SPICE, WEB AND HEEL PLATES.

⑤ IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE THAT COVERS THE TOTAL AREA OF THE OVERLAPPED PLATES TO SPAN THE WEB.

EXAMPLE:



"T" REINFORCEMENT ATTACHMENT DETAIL

"J" REINFORCING MEMBER

**REINFORCING
MEMBER**

TOENAIL

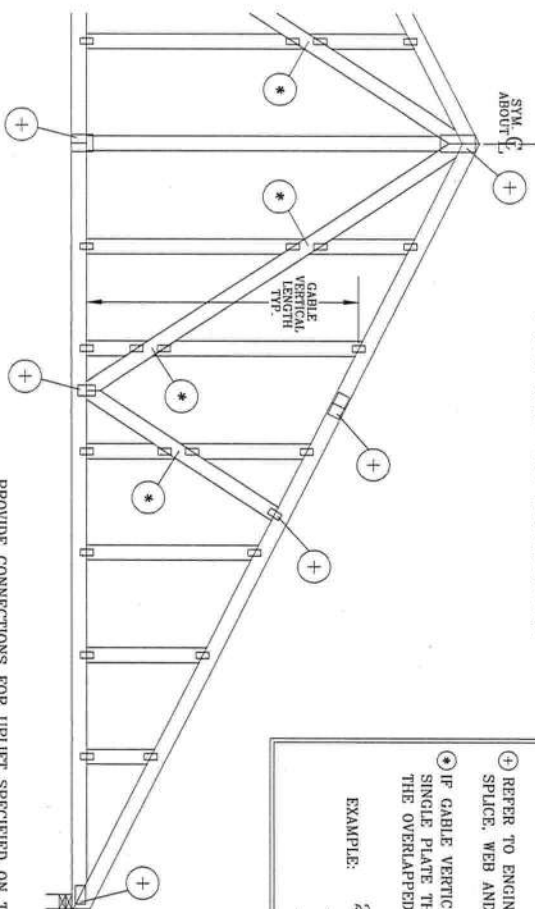
9

ENDNAIL.

TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS,
MULTIPLY "T" INCREASE BY LENGTH (BASED ON
APPROPRIATE ITW GABLE DETAIL).

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

WEB LENGTH INCREASE W/ "T" BRACE



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN

ATTACH EACH "T" REINFORCING MEMBER WITH

END DRIVEN NAILS:

(4) NAILS IN TOP AND BOTTOM CHORD

TOENAILD NAILS.

10d COMMON (0.148"x3",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ITW GABLE DETAIL FOR ASCENDING

WIND LOAD

ASCE 7-98 CABLE DETAIL DRAWINGS

AI3015980109, AI2015980109, AI1015980109, AI0015980109

A13030980109, A12030980109, A11030980109, A10030980109

ASCE 7-02 CABLE DETAIL DRAWINGS

AI3013020109, AI2013020109, AI1013020109, AI0013020109, AI4013020109,
AI3030030109, AI2030030109, AI1030030109, AI0030030109, AI4030030109,

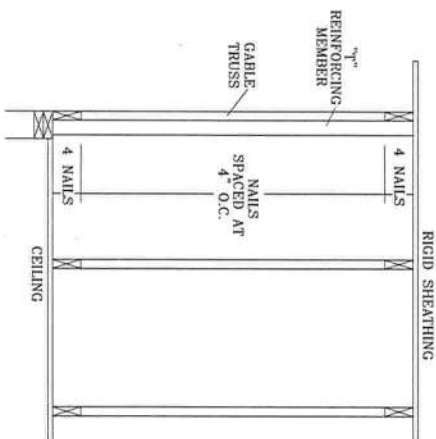
ASCE 7-05 CABLE DETAIL DRAWINGS
A13030020103, A12030020103, A11030020103, A10030020103, A14030020103

MOORE, J. C. GADGET BELT AND DINNER. A13015050109 A11015050109 A10015050109 A14015050109

A13030050109 A12030050109 A11030050109 A10030050109 A14030050109

APPROPRIATE THE CABLE DETAIL FOR MAXIMUM

SEE APPROPRIATE ITW CABLE DETAIL FOR
UNREINFORCED CABLE VERTICAL LENGTH



****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the manufacturer's instructions for details. For more information, see *Trusses* in the *Building Component Safety* information, by TPI and WCA, for safety practices prior to performing these functions. Installers shall provide temporary bracing per BC31. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid panel. Locations shown for permanent lateral restraint of webs shall have bracing installed per BC38 sections B5 & B7. See this job's general notes page for more information.

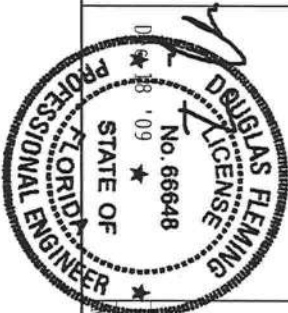
****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR



TWIN

Building Components Group Inc

Earth City, MO 63045



MAX TOT. LD. 60 PSF

OUR FAC. ANY

MAX SPACING 24.0"

REF LET-IN VERT

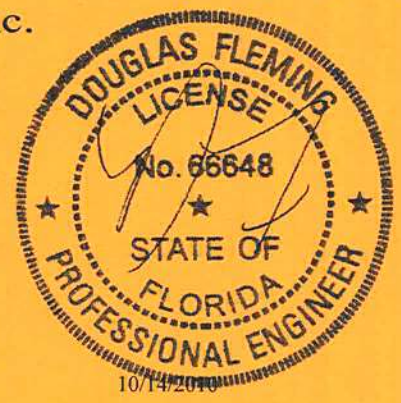
DATE 1/1/09

DRWG GBLETTIN0105

Customer Watkins
Revision Permit # 28726

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: IU61487-Z0114101739



Truss Fabricator: Anderson Truss Company
Job Identification: 9-244--Fill in later EDGLEY -- , **
Truss Count: 77
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Versions 9.02, 9.05.
Structural Engineer of Record: The identity of the structural EOR did not exist as of the seal date per section 61G15-31.003(5a) of the FAC
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-05 -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: HCUSR487

Douglas M. Fleming
-Truss Design Engineer-

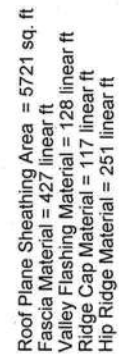
1950 Marley Drive
Haines City, FL 33844

Details: CNNAILSP-HIPFRAME-A1101505-GBLLETIN-

#	Ref	Description	Drawing#	Date
1	03255--H7A		10287009	10/14/10
2	03256--H9A		10287002	10/14/10
3	03257--H11A		10287003	10/14/10
4	03258--H13A		10287004	10/14/10
5	03259--H15A		10287005	10/14/10
6	03260--H17A		10287006	10/14/10
7	03261--H19A		10287007	10/14/10
8	03262--A		10287010	10/14/10
9	03263--AG		10287008	10/14/10
10	03264--H7B		10287029	10/14/10
11	03265--H7B1		10287001	10/14/10
12	03266--H9B1		10287002	10/14/10
13	03267--H13B1		10287003	10/14/10
14	03268--H15B1		10287004	10/14/10
15	03269--B10		10287049	10/14/10
16	03270--B9		10287050	10/14/10
17	03271--H9B		10287042	10/14/10
18	03272--H11B		10287043	10/14/10
19	03273--BH1		10287059	10/14/10
20	03274--BH2		10287065	10/14/10
21	03275--BH3		10287041	10/14/10
22	03276--B1		10287066	10/14/10
23	03277--B2		10287062	10/14/10
24	03278--B3		10287061	10/14/10
25	03279--B4		10287064	10/14/10
26	03280--B5		10287063	10/14/10
27	03281--B6		10287053	10/14/10
28	03282--B7		10287058	10/14/10
29	03283--B8		10287052	10/14/10
30	03284--B3		10287068	10/14/10
31	03285--H11B1		10287005	10/14/10
32	03286--H7C		10287001	10/14/10
33	03287--C		10287011	10/14/10
34	03288--C1		10287055	10/14/10
35	03289--C2		10287057	10/14/10
36	03290--C3		10287056	10/14/10
37	03291--H7D		10287016	10/14/10
38	03292--HM7D		10287036	10/14/10

#	Ref	Description	Drawing#	Date
39	03293--H9D		10287017	10/14/10
40	03294--D		10287018	10/14/10
41	03295--D5		10287033	10/14/10
42	03296--D4		10287013	10/14/10
43	03297--D3		10287035	10/14/10
44	03298--D2		10287034	10/14/10
45	03299--D1		10287040	10/14/10
46	03300--HM9D		10287038	10/14/10
47	03301--E		10287019	10/14/10
48	03302--EG2		10287025	10/14/10
49	03303--EG1		10287031	10/14/10
50	03304--HF2		10287020	10/14/10
51	03305--HF1		10287015	10/14/10
52	03306--HF1A		10287067	10/14/10
53	03307--HF3		10287039	10/14/10
54	03308--H7G		10287044	10/14/10
55	03309--H9G		10287046	10/14/10
56	03310--G		10287047	10/14/10
57	03311--EJ7		10287051	10/14/10
58	03312--EJ7A		10287028	10/14/10
59	03313--CJ5		10287030	10/14/10
60	03314--HJ7		10287022	10/14/10
61	03315--CJ3		10287037	10/14/10
62	03316--CJ1		10287045	10/14/10
63	03317--CJ5A		10287069	10/14/10
64	03318--HJ7A		10287006	10/14/10
65	03319--CJ3A		10287026	10/14/10
66	03320--CJ1A		10287027	10/14/10
67	03321--EJ7S		10287054	10/14/10
68	03322--EJ1.4		10287032	10/14/10
69	03323--HJ1.2		10287021	10/14/10
70	03324--EJ7H		10287048	10/14/10
71	03325--EJ7G1		10287007	10/14/10
72	03326--EJ7G		10287014	10/14/10
73	03327--KGE		10287008	10/14/10
74	03328--K		10287024	10/14/10
75	03329--K-1		10287023	10/14/10
76	03330--KG		10287012	10/14/10

#	Ref	Description	Drawing#	Date
77	03331--H1.4L		10287060	10/14/10



(1) - plates so marked were sized using a Fabrication Tolerance of 0% and a Rotational Tolerance of 0 degrees.

Webs 2x4 SP #3 :W3, W9 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

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

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

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

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

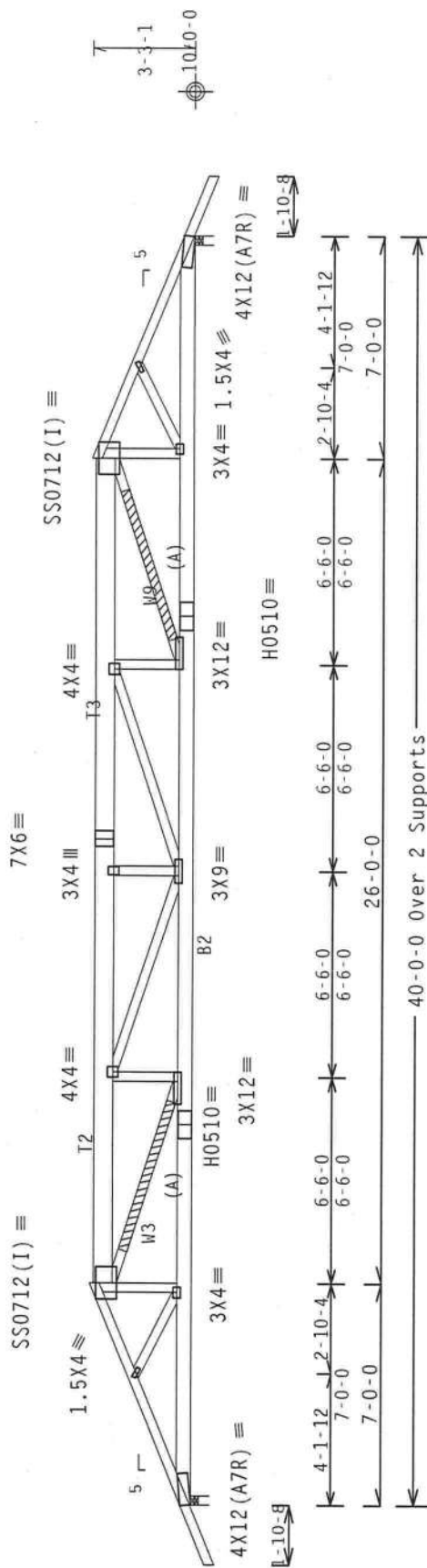
Calculated vertical deflection is 0.75" due to live load and 0.79" due to dead load at $X = 20'-0"$.

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-) -0.18

Wind reactions based on MWFRS pressures.

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

Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-10-8 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 1-10-8 overhang. Right side jacks have 7-0-0 setback with 0-0-0 cant and 1-10-8 overhang.



R=3382 U=1395 W=3.487"

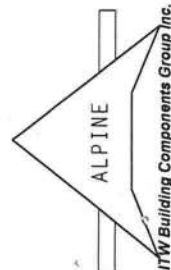
R=3382 U=1395 W=3.5"

PLT TYP. 20 Gauge HS.18 Gauge HS, Design Crit: FBC2007Res/TPI-2002 (STD)
Wave FT/RT=20%(0%) 10 (0)

Wave

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

Scale = .1875"/Ft.



ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

*HARRING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BEARING. INTERFERE TO BEST BUILDING COMPONENT INFORMATION), HANDLING BY TPI (TRUSS PLATE INSTITUTION), 218 S. LESTER STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND HICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE DRIVE, SUITE 100, FORT WORTH, TEXAS 76116. THESE TRUSSES ARE DESIGNED TO PERFORM THESE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

[illegible]

TC LL	20.0	PSF	REF	R487--	3255
TC DL	10.0 <td>PSF</td> <td>DATE</td> <td>10/14/10</td> <td></td>	PSF	DATE	10/14/10	
BC DL	10.0 <td>PSF</td> <td>DRW</td> <td>HCUSR487</td> <td>10287009</td>	PSF	DRW	HCUSR487	10287009
BC LL	0.0 <td>PSF</td> <td>HC-ENG</td> <td>KD/DF</td> <td></td>	PSF	HC-ENG	KD/DF	
TOT.LD.	40.0 <td>PSF</td> <td>SEQN-</td> <td>77303</td> <td></td>	PSF	SEQN-	77303	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1U61487	Z01

(9-244--Fill in later EDGLEY -- ** - H9A)

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

Roof overhang supports 2.00 psf soffit load.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

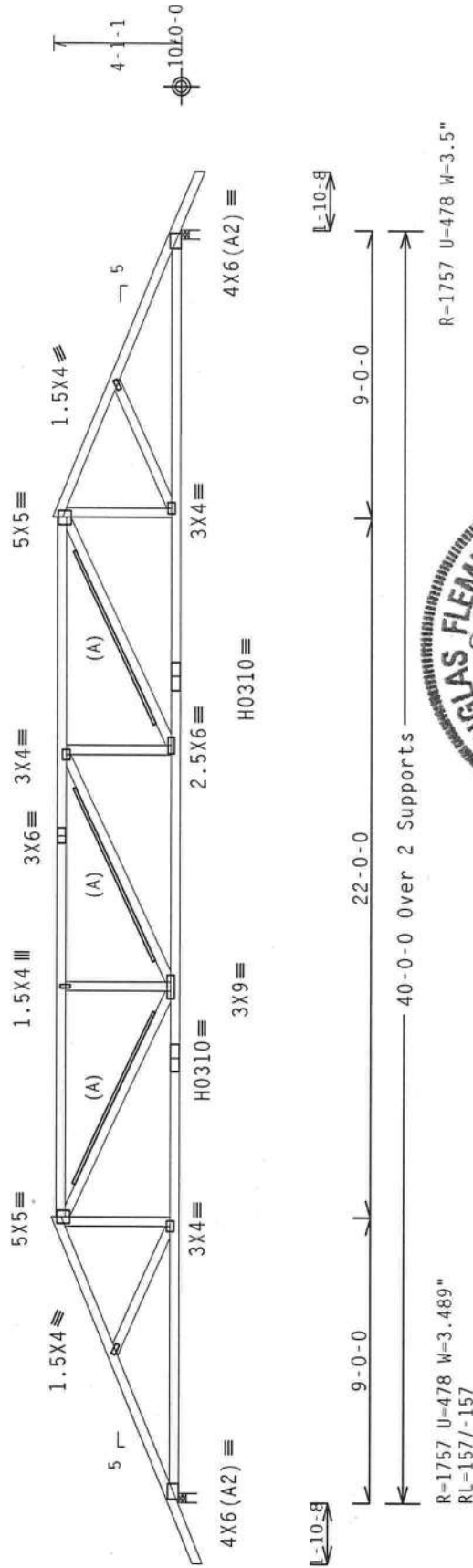
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind
BC DL=5.0 psf. $I_w=1.00$ $G_{Cp1}(+/-)=-0.18$

Wind reactions based on MMFRS pressures.

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

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



PLT TYP. 20 Gauge HS, Wave

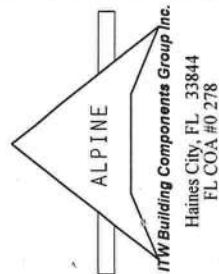
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%)/0(0)

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487--	3256
TC DL	10.0 PSF	DATE	10/14/10	
BC DL	10.0 PSF	DRW	HCUSR487	10287002
BC LL	0.0 PSF	HC-ENG	TCE/DF	*
TOT.LD.	40.0 PSF	SEQN-	67599	
DUR.FAC.	1.25	FROM	AH	
SPACING	24.0"	JREF-	1U61487_Z01	

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION AND INSTRUCTIONS FOR PROPER INSTALLATION. TRUSSES MUST BE INSTALLED IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS AND THE INSTRUCTIONS OF THE MANUFACTURER. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN PERMISSION OF THE MANUFACTURER. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN PERMISSION OF THE MANUFACTURER. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN PERMISSION OF THE MANUFACTURER.

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SPECIFICATIONS OR THE INSTRUCTIONS OF THE MANUFACTURER SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SPECIFICATIONS OR THE INSTRUCTIONS OF THE MANUFACTURER SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SPECIFICATIONS OR THE INSTRUCTIONS OF THE MANUFACTURER SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.



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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpt (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

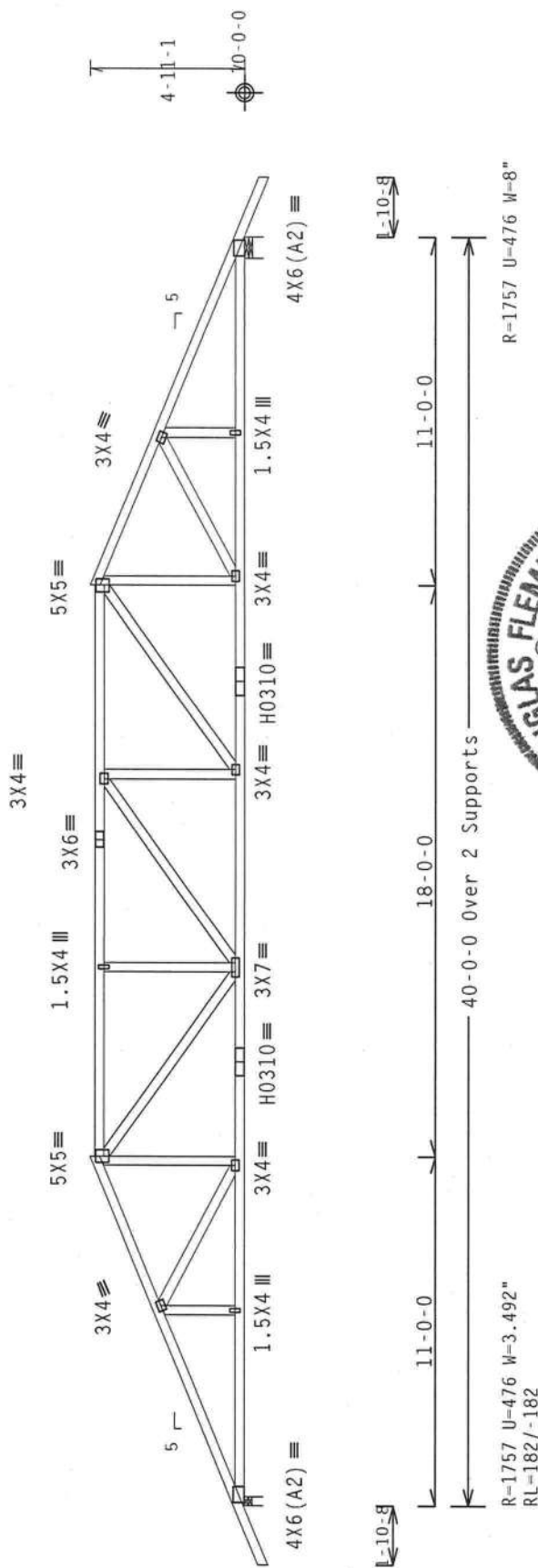
Wind reactions based on MWFRS pressures.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

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

MFERS loads based on trusses located at least 7.50 ft. from roof edge.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. 20 Gauge HS, Wave

FL/-/4/-/-/R/-
Scale = .1875"/Ft.

[illegible]

TC LL	20.0 PSF	REF R487 - - 3257
TC DL	10.0 PSF	DATE 10/14/10

[illegible]

DRW	HCHS487	10287003	*
HC-ENG	TCE/DF		
10.0	PSF		
0.0	PSF		
40.0	PSF		
SEQN-	67605		
FROM	AH		
1161487	701		

ALPINE

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

(9-244--Fill in later EDGLEY -- , ** - H13A)

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

Roof overhang supports 2.00 psf soffit load.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

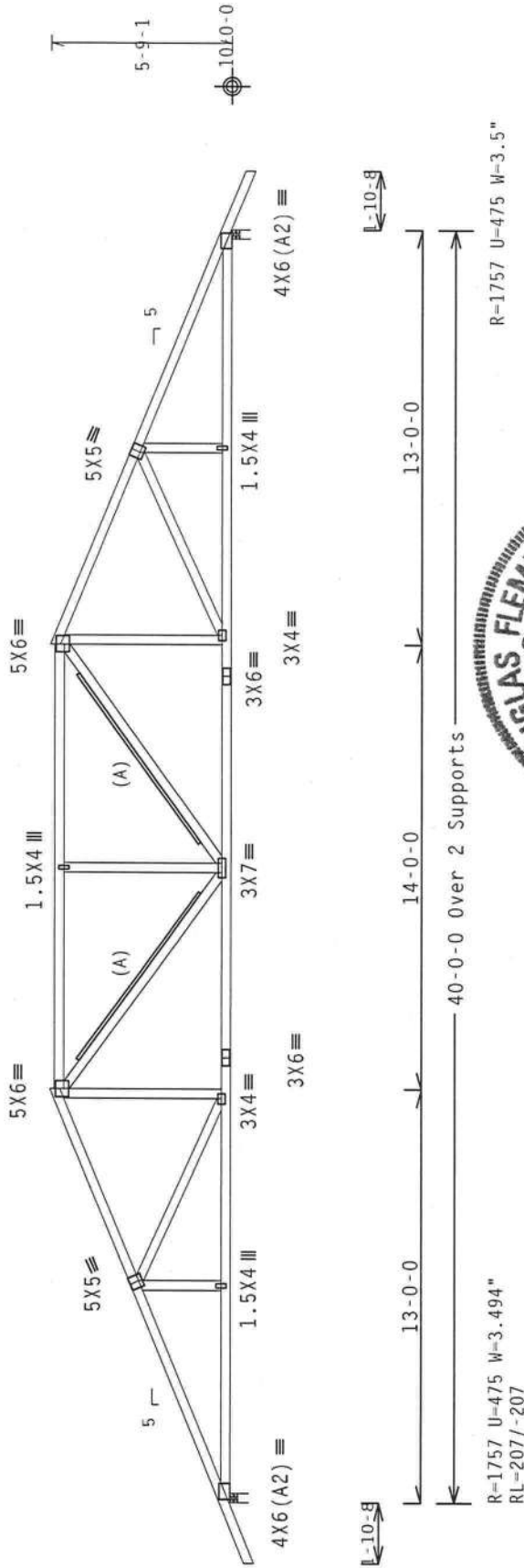
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cp1}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

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

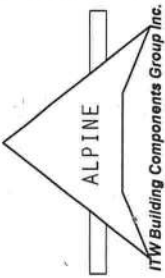
Deflection meets L/240 live and L/180 total load.



R-1757 U-475 W-3.494"
RL-207/-207

R-1757 U-475 W-3.5"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%)/0(0)

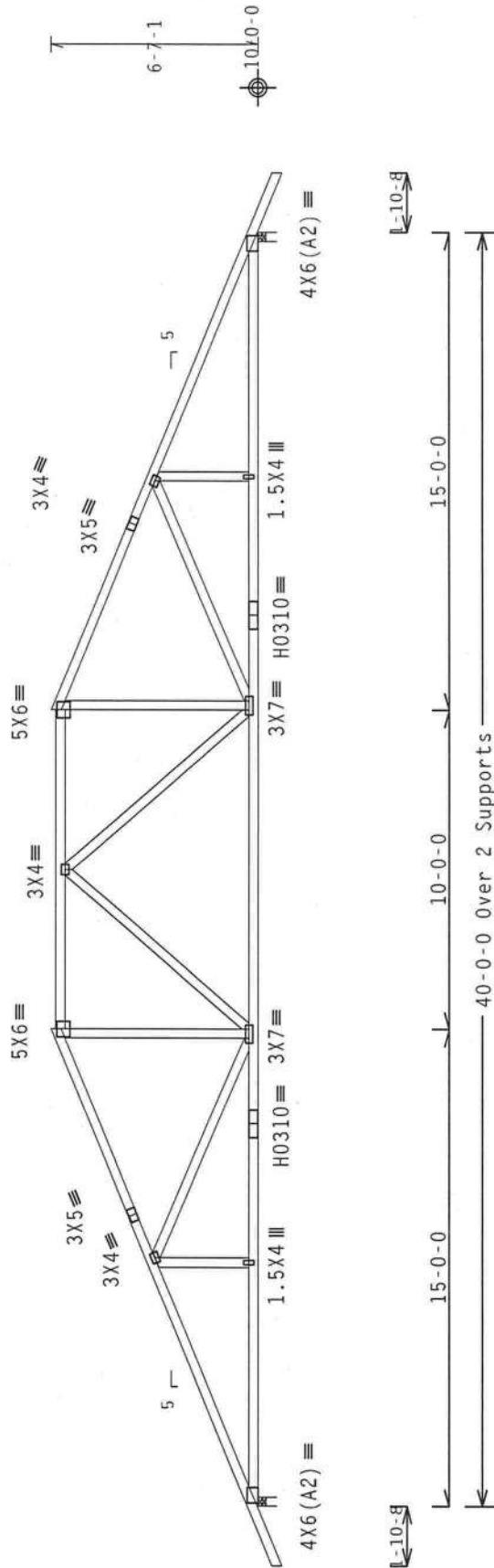
PLT TYP. Wave	 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	Douglas Fleming LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 10/14/2010	TY: 9.02/03.0610/16 FL/-4/-/-R/- Scale = .1875"/Ft.	TC LL	20.0 PSF	REF	R487--	3258
				TC DL	10.0 PSF	DATE	10/14/10	
				BC DL	10.0 PSF	DRW	HCUSR487	10287004
				BC LL	0.0 PSF	HC-ENG	TCE/DF	*
				TOT.LD.	40.0 PSF	SEQN-	67614	
				DUR.FAC.	1.25	FROM	AH	
				SPACING	24.0"	JREF-	1U61487_Z01	

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL-5.0 psf, wind BC DL-5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

Wind reactions based on MWFRS pressures:

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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



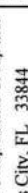
R=1829 U=167 W=3.496"
RL=231/-231

R=1829 II=167 W=3.5"

PLT TYP. 20 Gauge HS.Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%) / 0 (0)

FL/-/4/-/-/R/-/
Scale = .1875"/Ft.



ALPINE

nTW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 3788

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION 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 NITCA (NATIONAL TRUSS COUNCIL OF AMERICA), 1000 UNLAWLESS 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 BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASCE) AND TPI. (TRUSS PLATE INSTITUTE) CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/S/P) ASTM A653 GRADE 40/60 (W. K/H/S/S) GALV. STEEL. APPLICABLE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A. 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 SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/TPI 1 SEC. 2.

DATE: 10/14/2010
 REF: R487-- 3259
 DATE: 10/14/10
 DRW: HCUSR487 10287005
 HC-ENG TCE/DF
 SEQN- 67622
 40.0 PSF
 0.0 PSF
 1.25
 24.0"

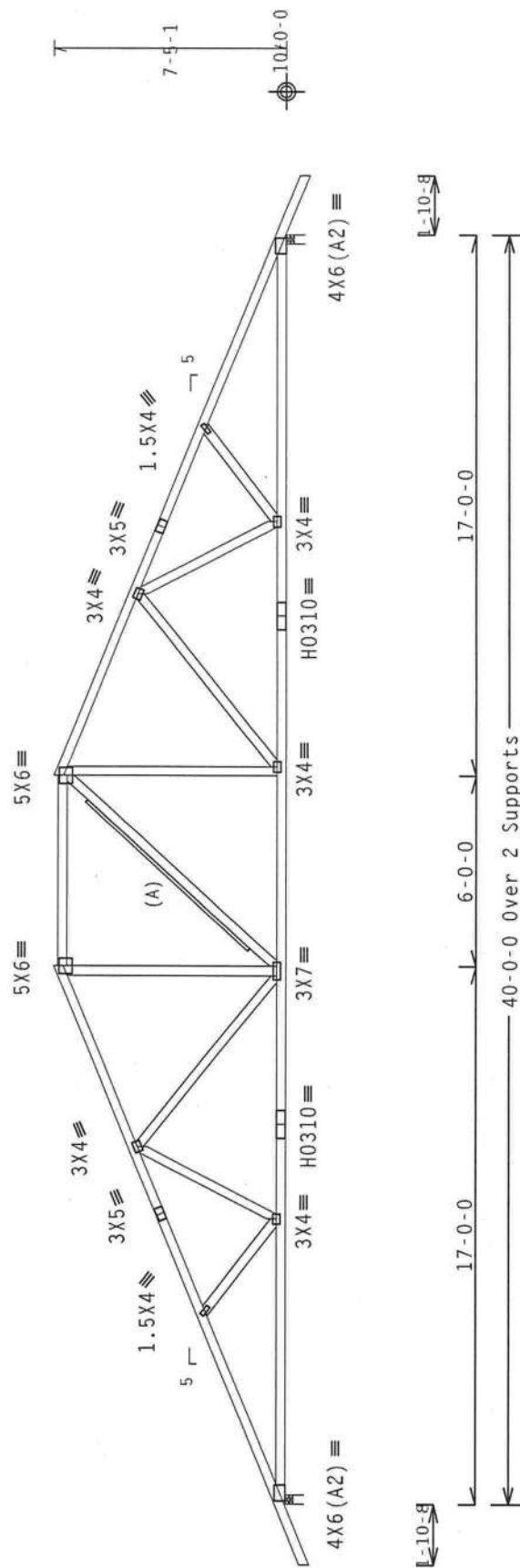
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

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



R=1804 U=162 W=3.499"
RL=256/-256

R-1813 U-162 W-3-5"

Design Crit: FBC2007Res/TPI-2002 (STD)

PLT TYP. 20 Gauge HS. Wave

FL/-/4/-/-/R/-
Scale = .1875"/Ft.

[illegible]

ING-
TRA
8/25/88
10/1/88

[illegible]

STATE OF
FLORIDA
PROFESSIONAL ENGINEER
10/14/2010

DRW	HCUSR48/	10287006
HC-ENG	TCE/DF	*
SEQN-	67631	
JREF-	1U61487_Z01	

8C LL	0.0 PSF
TOT.LD.	40.0 PSF
OUR.FAC.	1.25
SPACING	24.0"

STATE OF
FLORIDA
PROFESSIONAL ENGINEER
10/14/2010

DRW	HCUSR48/	10287006
HC-ENG	TCE/DF	*
SEQN-	67631	
JREF-	1U61487_Z01	

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

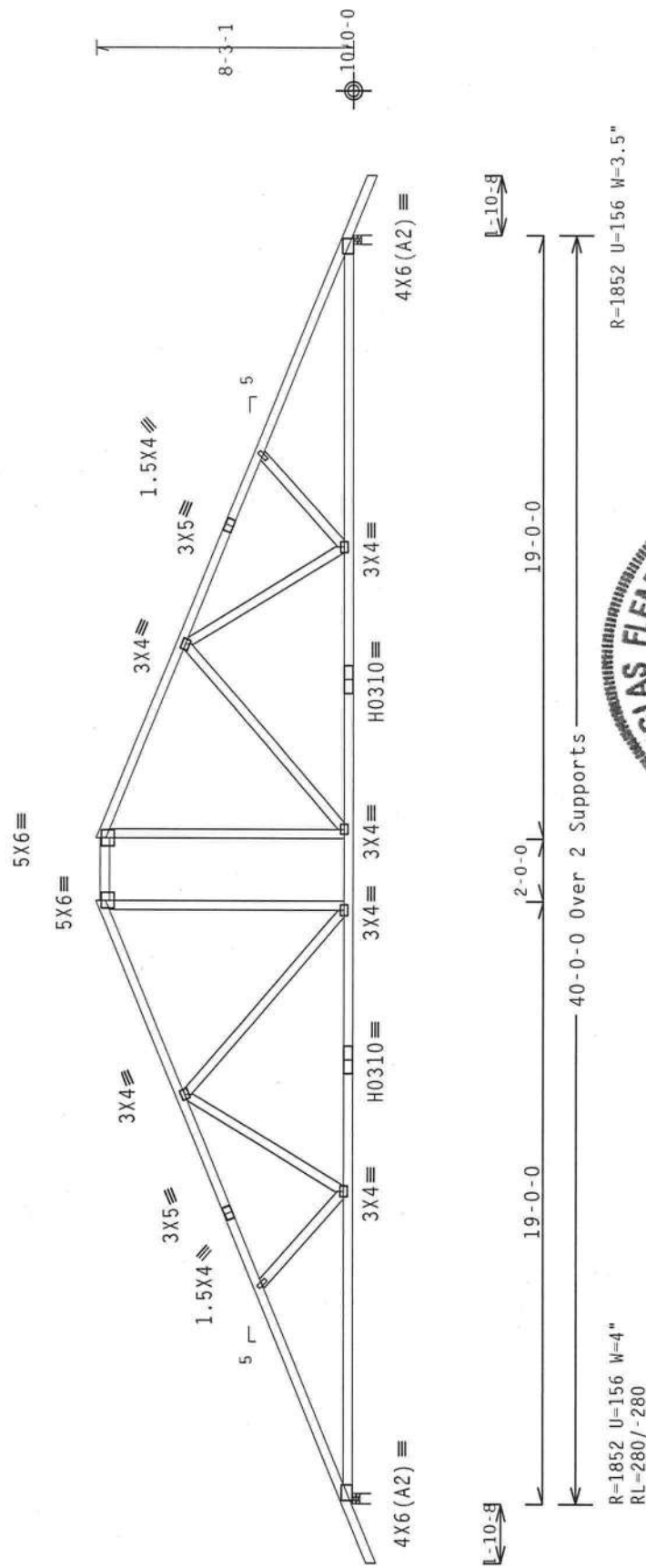
Wind reactions based on MWFRS pressures.

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

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



R=1852 U=156 W=4"
RL=280/-280

R=1852 U=156 W=3.5"

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=20%(0%)/0(0)

PLT TYP. 20 Gauge HS, Wave

Scale = .1875"/Ft.

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

QTY

03:0610/16

0(0)0

FT/RT=20% (0%)

•
•
•
•
•
•
•
•
•
•

Wave

PLT TYP. 20 Gauge HS

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESCUE BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY ITI (LUXES PLATE INSTITUTE), 1000 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

[illegible]

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

(9-244--Fill in later EDGLEY -- , ** - A)

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

Roof overhang supports 2.00 psf soffit load.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

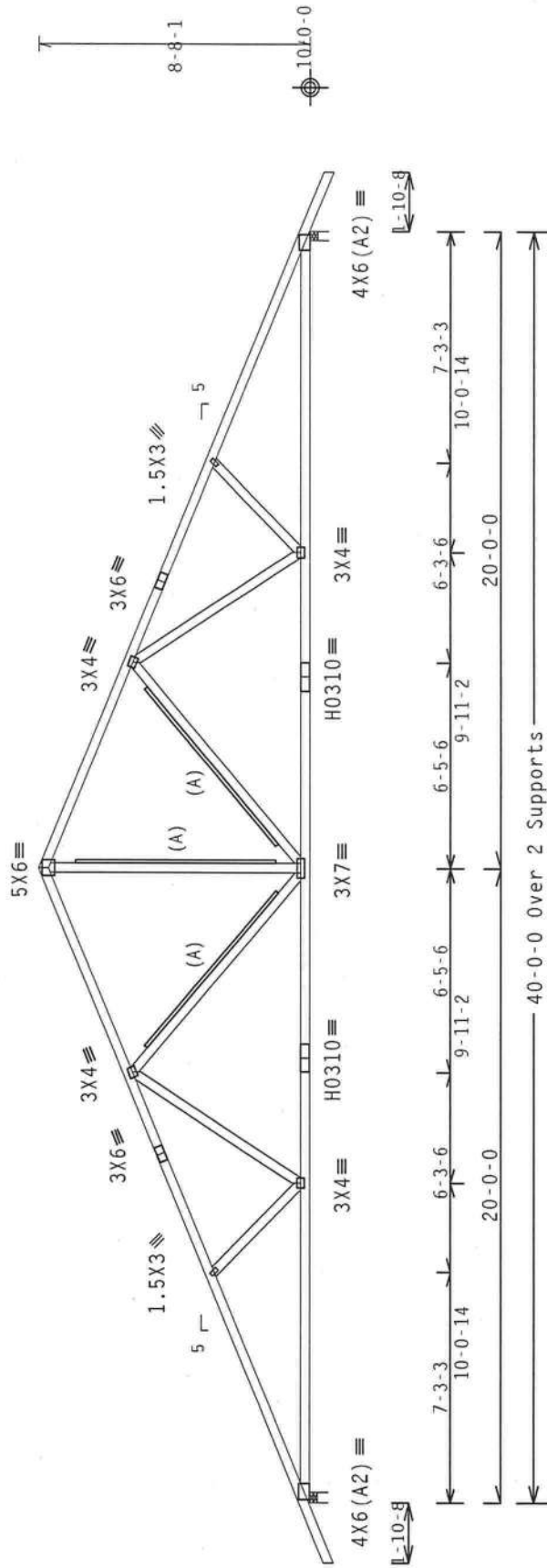
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1 (+/-)=0.18

Wind reactions based on MWFRS pressures.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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



R=1877 U=152 W=3.5"

R=1877 U=152 W=4"

RL=293/-293

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=20%(0%)/0(0)

PLT TYP. 20 Gauge HS, Wave

Scale = .1875"/Ft.

FL/-4/-/-R/-

QTY 7

9.05.03.0319.17

No. 66648

9.05.03.0319.17

9.05.03.0319.17

9.05.03.0319.17

DOUGLAS FLEMING LICENSE No. 66648

STATE OF FLORIDA PROFESSIONAL ENGINEER

PLT TYP. 20 Gauge HS, Wave

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

EL COA #0 278

REF R487-- 3262

DATE 10/14/10

DRW HCUR487 10287010

HC-ENG KD/DF

SEQN- 151129

JREF- 1U61487_Z01

(9-244--Fill in later EDGLEY -- , ** - AG)

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #5 :B3 2x8 SP #1 Dense:
Webs 2x4 SP #3 :W5, W6, W8, W9 2x4 SP #2 Dense:
:Lt Wedge 2x4 SP #3:

Special loads

-----Lumber-----
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 plf at 0.00 to 62 plf at 20.00
TC- From 62 plf at 20.00 to 62 plf at 41.87
BC- From 20 plf at 0.00 to 20 plf at 40.00
BC- From 4 plf at 40.00 to 4 plf at 41.87
BC- 1311.74 lb Conc. Load at 1.94
BC- 1307.48 lb Conc. Load at 2.94, 4.94, 6.94
BC- 1139.15 lb Conc. Load at 8.94
BC- 1153.05 lb Conc. Load at 10.94, 12.94
BC- 1282.56 lb Conc. Load at 14.94
BC- 1329.07 lb Conc. Load at 16.94
BC- 1517.91 lb Conc. Load at 18.94
BC- 1523.09 lb Conc. Load at 20.94
BC- 1485.56 lb Conc. Load at 22.94

Wind reactions based on MWFRS pressures.

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

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3" nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 4.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

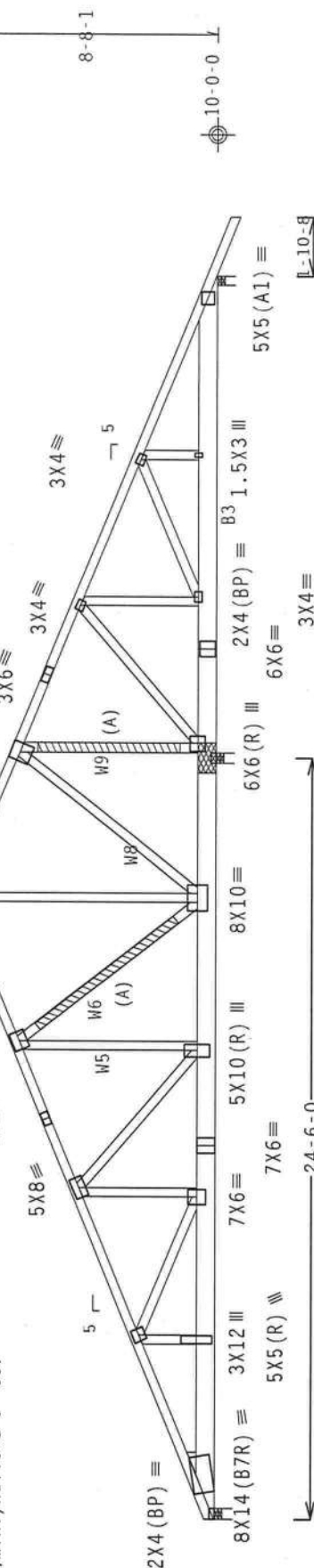
Brg blocks: 0.131"x3" nails
brg x-loc #blocks length/blk #nails/blk wall plate
2 24.333' 12" 14 Rigid Surface
Brg block to be same size and species as bottom chord.
Refer to drawing CNAISP0109 for more information.

*** Negative reaction(s) of -895# MAX. (See below) from a non-wind load
case requires uplift connection.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind
BC DL=5.0 psf. 1w=1.00 gcpi (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

7X8(R) // Deflection meets L/240 live and L/180 total load.



40-0-0 over 3 supports

R=7820 U=1263 W=4"

R=-896 RW=64 U=0 W=3.5"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%)/0(0)

PLT TYP. Wave

FL/-4/-1-/R/-

Scale = .1875"/Ft.

REF	R487--	3263
DATE	10/14/10	
DRW	HCUSR487	10287008
HC-ENG	KD/DF	
SEQN-	150983	
FROM	AH	
JREF-	1U61487_Z01	



ALPINE

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

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS IN CONFORMANCE WITH THE TPI DESIGN SPECIFICATIONS. THE TRUSS SHALL BE FABRICATED, HANDLED, SHIPPED, INSTALLED & BRACED IN ACCORDANCE WITH THE TPI DESIGN SPECIFICATIONS. THE TRUSS SHALL BE MADE OF 20/18/16GA (H-H/SS/H) ASTM A553 GRADE 40/60 (H, K/H-SS) GALV. STEEL. APPLICABLE CONNECTOR PLATES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AIA/ASA) AND TPI. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHALL INDICATE THE DESIGNER'S ACCEPTANCE OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

(9-244--Fill in later EDGLEY -- , ** - H7B)

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:

:T2 2x6 SP SS:

Bot chord 2x6 SP SS

Webbs 2x4 SP #3 :W3, W11, W15 2x4 SP #2 Dense:

:W12, W17 2x6 SP #2:

:Lt Wedge 2x8 SP #1 Dense:

Brg blocks:0.131"x3" nails

brg x-loc #blocks length/blk #nails/blk wall plate

1 0.000' 1 12" 4 Rigid Surface

Brg block to be same size and species as bottom chord.

Refer to drawing CNAILSP0109 for more information.

(1) - plates so marked were sized using a Fabrication Tolerance of 0% and a Rotational Tolerance of 0 degrees.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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

10X10(I) =

2X4 =

2.5X6 =

3X4 =

6X10 =

4X5 =

3X4 =

SS0514 =

8X14(B7R) =

2X4(BP) =

6X10 =

4X5 =

3X4 =

SS0514 =

10X14(R) =

8X10(R) =

10X12(R) =

8X10 =

2.5X8 =

6X8 =

10X14(R) =

8X10(R) =

10X12(R) =

8X10 =

2.5X8 =

6X8 =

10X14(R) =

8X10(R) =

10X12(R) =

8X10 =

2.5X8 =

6X8 =

10X14(R) =

8X10(R) =

10X12(R) =

8X10 =

2.5X8 =

6X8 =

10X14(R) =

8X10(R) =

10X12(R) =

8X10 =

2.5X8 =

6X8 =

Special loads

----- (Lumber

TC- From

62 plf at -1.88 to 62 plf at 7.00

TC- From

62 plf at 7.00 to 62 plf at 21.67

TC- From

62 plf at 21.67 to 62 plf at 23.33

TC- From

62 plf at 23.33 to 62 plf at 24.79

TC- From

62 plf at 24.79 to 62 plf at 32.00

BC- From

4 plf at -1.88 to 4 plf at 0.00

BC- From

20 plf at 0.00 to 20 plf at 32.00

TC- 433.68 lb Conc. Load at 7.03

TC- 183.78 lb Conc. Load at 9.06,11.06,13.06

TC- -38.20 lb Conc. Load at 14.60

BC- 486.94 lb Conc. Load at 7.03

BC- 127.38 lb Conc. Load at 9.06,11.06,13.06

BC- 746.93 lb Conc. Load at 14.60

BC- 1535.63 lb Conc. Load at 21.73

BC- 504.70 lb Conc. Load at 23.73,25.73,27.73,29.73

31.73

Right end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

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

7X10(R) III

6' - 6"

6X8 =

8X10 =

10X14(R) III

8X10(R) III

10X12(R) III

8X10 =

2.5X8 III

6X8 =

1-8-01-5-8

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

Special loads

----- (Lumber

TC- From

62 plf at -1.88 to 62 plf at 7.00

TC- From

62 plf at 7.00 to 62 plf at 21.67

TC- From

62 plf at 21.67 to 62 plf at 23.33

TC- From

62 plf at 23.33 to 62 plf at 24.79

TC- From

62 plf at 24.79 to 62 plf at 32.00

BC- From

4 plf at -1.88 to 4 plf at 0.00

BC- From

20 plf at 0.00 to 20 plf at 32.00

TC- 433.68 lb Conc. Load at 7.03

TC- 183.78 lb Conc. Load at 9.06,11.06,13.06

TC- -38.20 lb Conc. Load at 14.60

BC- 486.94 lb Conc. Load at 7.03

BC- 127.38 lb Conc. Load at 9.06,11.06,13.06

BC- 746.93 lb Conc. Load at 14.60

BC- 1535.63 lb Conc. Load at 21.73

BC- 504.70 lb Conc. Load at 23.73,25.73,27.73,29.73

31.73

Right end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

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

7X10(R) III

6' - 6"

6X8 =

8X10 =

10X14(R) III

8X10(R) III

10X12(R) III

8X10 =

2.5X8 III

6X8 =

1-8-01-5-8

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

3-8-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

4-8-3

3-9-12

9-0-0

Top chord 2x4 SP #2 Dense : I1 2x6 SP SS:
: I2 2x6 SP #1 Dense:
Bot chord 2x6 SP SS : B2 2x6 SP #2:
Webs 2x4 SP #3 : W1, W6, W8, W11 2x4 SP #2 Dense:
: W2 2x6 SP #2:
: Lt Bearing Leg 2x6 SP #2:

Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC-From	62 plf at 0.00 to	62 plf at 22.48
TC-From	62 plf at 22.48 to	62 plf at 23.33
TC-From	62 plf at 23.33 to	62 plf at 28.96
TC-From	62 plf at 28.96 to	62 plf at 32.00
BC-From	20 plf at 0.46 to	20 plf at 32.00
PLT- 192.77 lb Conc. Load at (0.90,13.10), (2.90,13.10)		
(5.90,13.10), (8.90,13.10), (10.90,13.10), (19.0,13.10)		

BC- 1206.10 lb Conc. Load at 14.54
PLB- 135.73 lb Conc. Load at (0.90, 9.04), (2.90, 9.04), (4.90, 9.04)
(6.90, 9.04), (8.90, 9.04), (10.90, 9.04), (12.90, 9.04)

Wind reactions based on MNFRS pressures.

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCpf (+/-)0.18

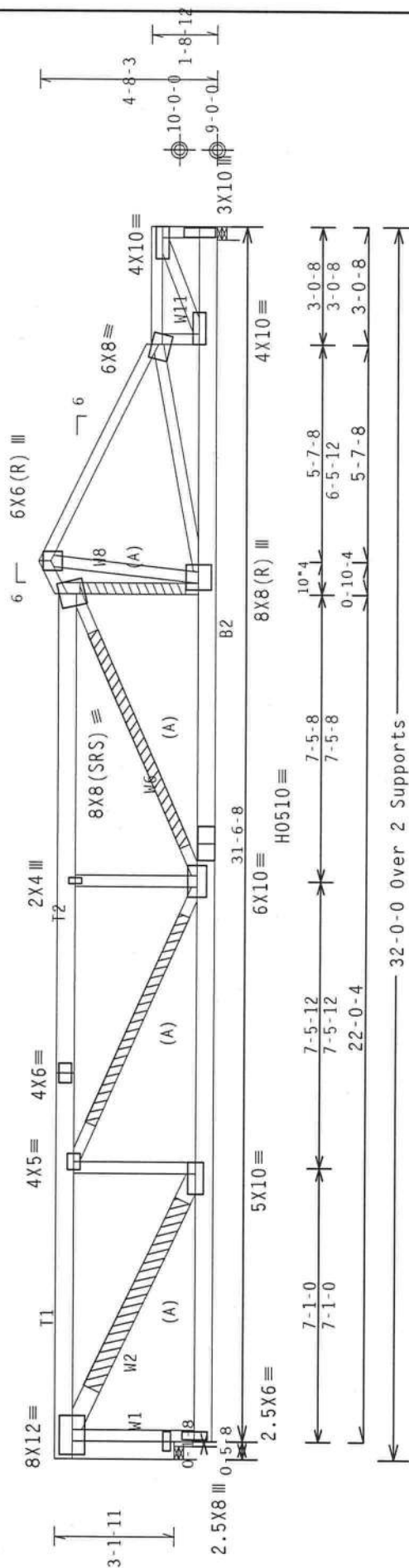
Max JT VERT DEFL: LL: 0.31" DL: 0.31" recommended camber 1/2"

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

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

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

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



R=3798 U=1056 W=4"

R=2334 II=649 W=4"

PLT TYP. 20 Gauge HS.Wave

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=20\%(0\%)/0(0)$

03 0319/17 0TY

Scale = .25"/Ft.

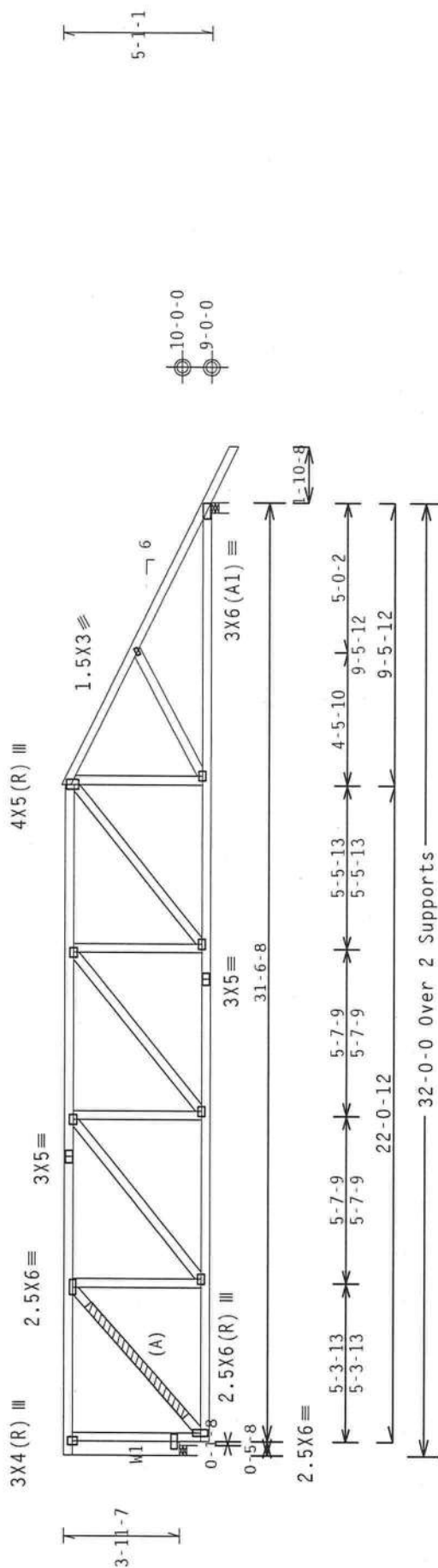
[illegible]

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x4 SP #2 Dense:
:Lt Bearing Leg 2x6 SP #2:

Roof overhang supports 2.00 psf soffit load.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
Bottom chord checked for 10.00 psf non-concurrent live load.

Wind reactions based on MWFRS pressures.

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



R=1308 U=364 W=4"
RL=74/-193

Note: All Plates Are 3X4 Except As Shown.

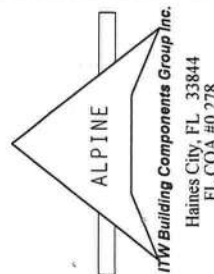
PLT TYP, Wave

PLT TYP. Wave

9.05.03.0319.17

FL / - / 4 / - / - / R / - /
Scale = 1875" / Ft

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, INSTALLING AND BRACING. PLEASE REFER TO BUSH BUILDING COMPONENTS SAFETY MANUAL FOR PROPER HANDLING AND BRACING PROCEDURES. SHIPPING, INSTALLING AND BRACING MUST BE DONE BY PERSONNEL TRAINED IN THESE FUNCTIONS. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WTC 4000, WASHINGTON, DC 20001. THUSSES CANNOT BE USED FOR ANY OTHER PURPOSES. IF YOU ARE NOT A LICENSED CONTRACTOR, PLEASE DO NOT ATTEMPT TO PERFORM THESE FUNCTIONS. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

[illegible]

TC LL	20.0	PSF	REF	R487 --	3266
TC DL	10.0	PSF	DATE	10/14/10	
BC DL	10.0	PSF	DRW	HCUSR487	10287002
BC LL	0.0	PSF	HC-ENG	KD/DF	
TOT.LD.	40.0	PSF	SEQN-	152480	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1U61487_Z01	

(9-244--F111 in later EDGLEY --, ** - H1581)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x4 SP #2 Dense:
:Lt Bearing Leg 2x6 SP #2:

Roof overhang supports 2.00 psf soffit load.

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

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

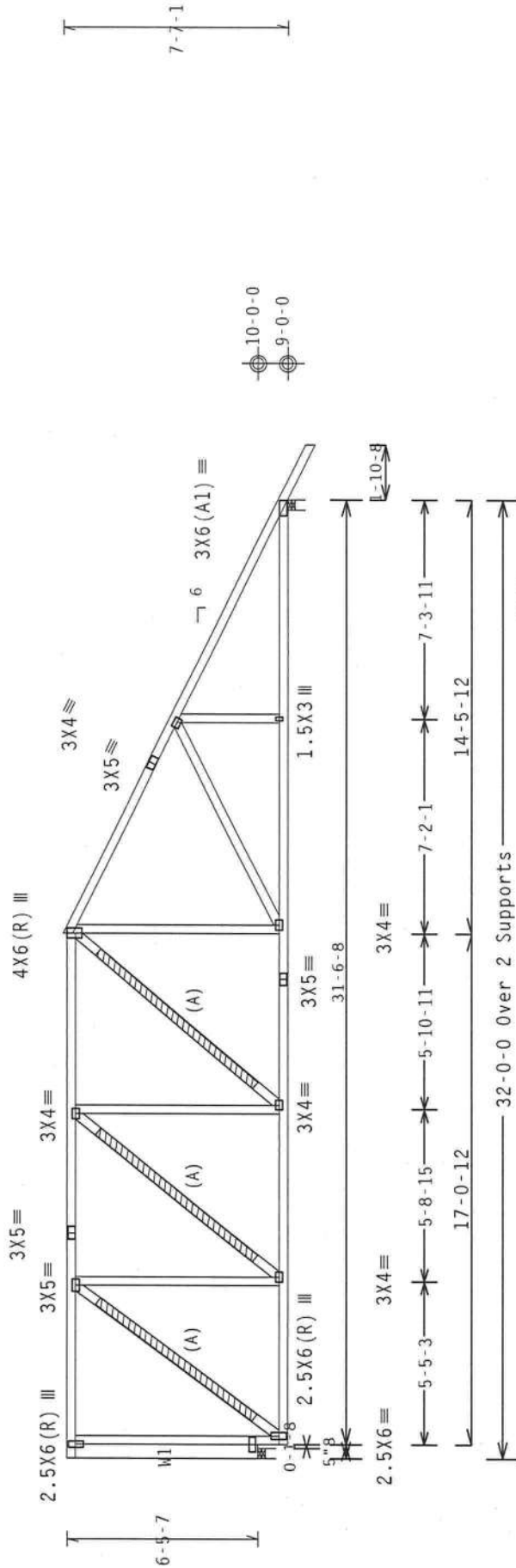
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

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



R-1509 U-333 W-4"
RL-95/-186

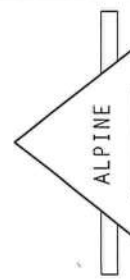
Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=20%(0)/0(0)

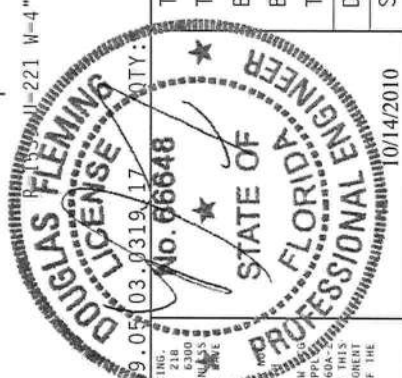
PLT TYP. Wave

Scale = .1875"/Ft.

REF R487-- 3268



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



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO UCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 HENDERSON STREET, SUITE 312, ALEXANDRIA, VA 22304 AND TCA (TRUSS COUNCIL OF AMERICA), 10000 WILSON AVENUE, SUITE 100, BOSTON, MA 02124 FOR ADDITIONAL INFORMATION. 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 BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (ADDITIONAL DESIGN SPEC. BY AISC) AND TPI-STEEL TRUSS MANUFACTURING PRACTICES. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 10041. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

JREF - 1U61487_Z01

11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpt (+/-)=0.18

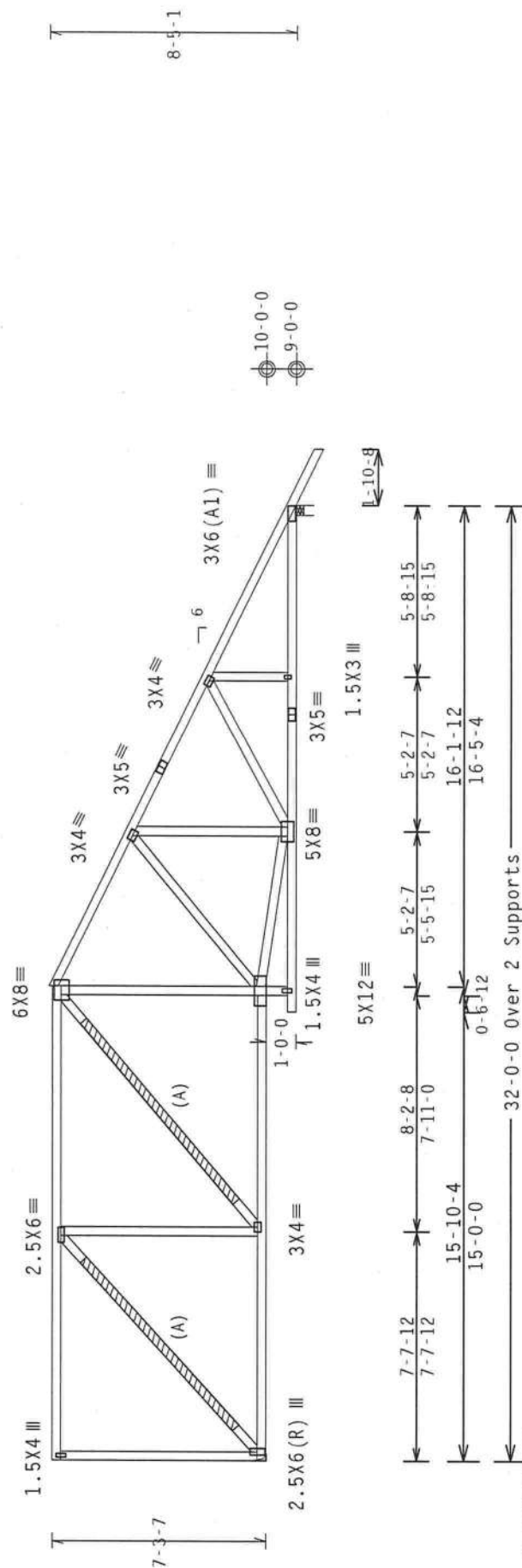
Wind reactions based on MWFRS pressures.

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

Truss passed check for 20 psf additional bottom chord live load in

Truss passed check for 20 psi additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



Scale = .1875"/Ft.

TC 11	20 0 PSF
-------	----------

10.0 F3F

TOT	10	40	0	PCE
-----	----	----	---	-----

DIIP EAC	1	25
----------	---	----

010	SPACING	24 0"
	DOCKING:	1:25

010	SPACING	24.0"
-----	---------	-------

24.0	JFACING
------	---------

(9-244--Fill in later EDGLEY -- , ** - H98)

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

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpf(+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

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

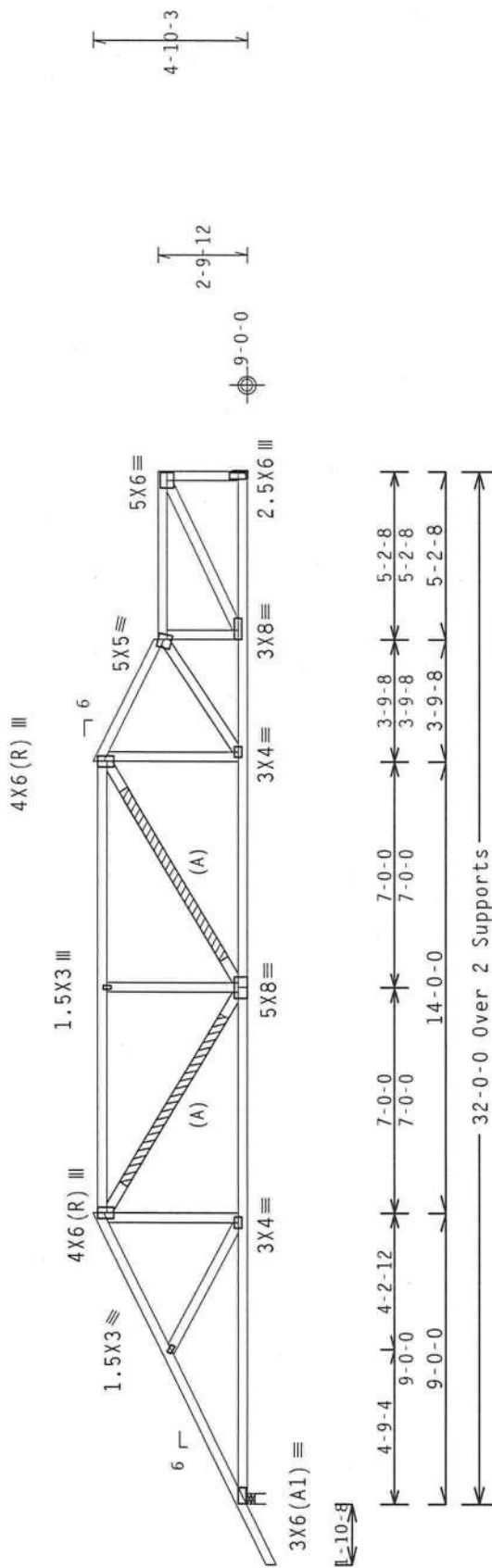
Right end vertical not exposed to wind pressure.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

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

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



R=1453 U=385 W=4"
RL=138/-115

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=20%(0%)/0(0)

FL/-/4/-/-/R/-/-
Scale = .1875"/Ft.

PLT TYP. Wave

*WARNING** THUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. TO BESS' COMPONENTS ARE NOTED IN THE FOLLOWING: 1. 12' X 12' X 1/2" THUSSES (4000LBS) ARE SUPPLIED AS A COMPLETE UNIT TO THE TRUSS COUNCIL OF AMERICA. ENTERPRISE LINE #401501, LINE #53719 AND LINE #53719. TO PERFORM THESE FUNCTIONS, OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA. (IN. M/25FT) ASTM A653 GRADE 40/60 (IN. K/H/55) GALV. STEEL. APPLICABLE TO LATCH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-160E. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA A3 OF TPI-2002 SEC. 2. A SEAL ON THIS DRAWING INDICATES ACCEPTABLE PROFESSIONAL ENGINEERING RESPONSIBILITY TO SELECT FOR THE TRUSS COMPONENT THE MOST APPROPRIATE TYPE OF THIS CONNECTOR FOR ANY BUILDING. THE RESPONSIBILITY OF THE BUILDING DESIGNER NEW AREA/161.1 SEC. 2.

ALPTNF

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

Haines City, FL 33844
FL COA #0 278

JREF- 1U61487_Z01

24.0"

SPACING

2010

10/14/

15

ABILITY OF THE

THE RESPONSIBILITY

ANY BUILDING I

S COMPONENT FOR

AND USE OF THIS
SEC. 2.

THE SUITABILITY
PER ANSI/ISO 1

IGN SHAN. THE
LIDING DESIGNER

4

City, FL 3384
COA #0 278Haines C
FL 0

(9-244--Fill in later EDGLEY -- , ** - H11B)

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

Roof overhang supports 2.00 psf soffit load.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

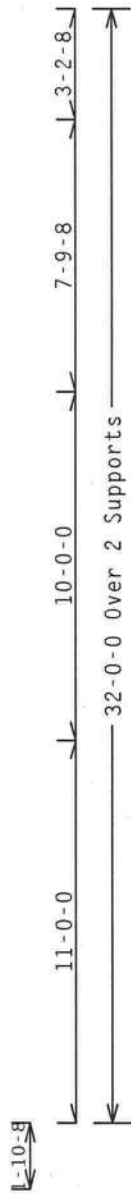
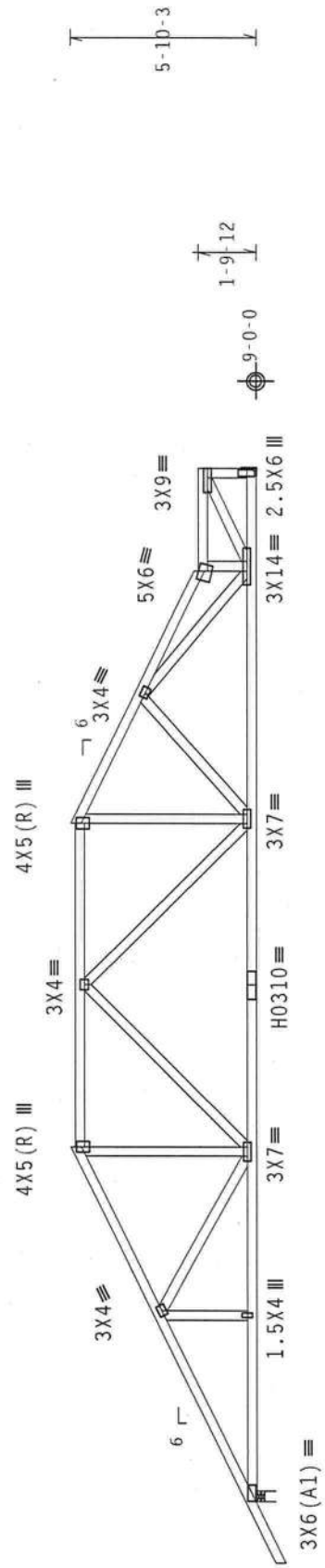
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

Wind reactions based on MWFRS pressures.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 gcpl(+/-)-0.18



R-1508 U=212 W=4"
RL-177/-168

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

PLT TYP. 20 Gauge HS, Wave	Scale = .1875"/Ft.	
	TC LL	20.0 PSF
	TC DL	10.0 PSF
	BC DL	10.0 PSF
	BC LL	0.0 PSF
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	TOT.LD.	40.0 PSF
	DUR.FAC.	1.25
	SPACING	24.0"
	REF	R487-- 3272
	DATE	10/14/10
Douglas Fleming Professional Engineer No. 66648 State of Florida 10/14/2010	DRW	HCUSR487 10287043
	HC-ENG	TCE/DF
	SEQN-	72866
	FROM	AH
	JREF-	1U61487_Z01

(9-244--Fill in later EDGLEY -- , ** - BH1)

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

Roof overhang supports 2.00 psf soffit load.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

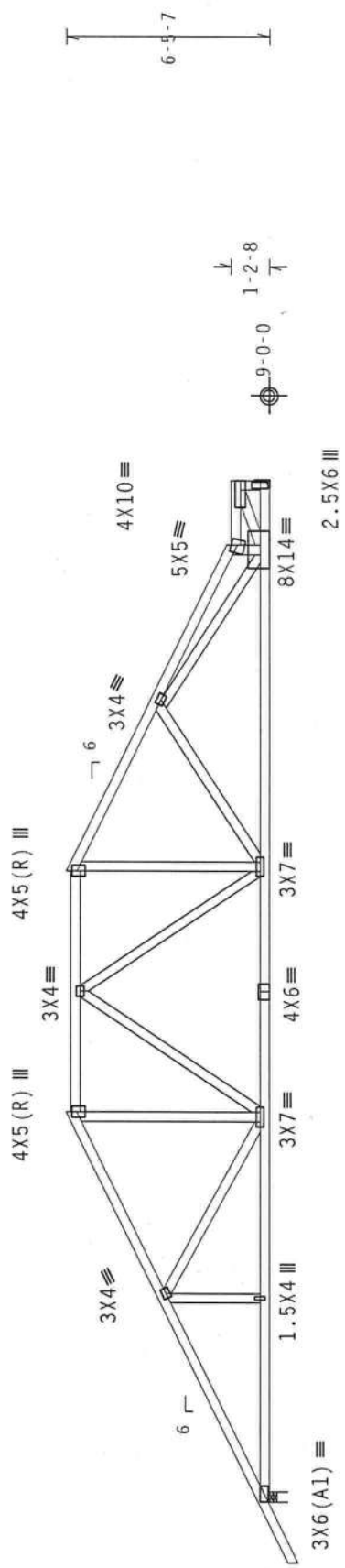
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf(+/-)-0.18

Wind reactions based on MWFRS pressures.

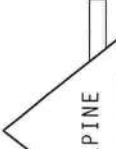
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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



12'-2-8" 7'-7-0" 2'-0-0"
32'-0-0" Over 2 Supports
R-1507 U=187 W=4"
RL=201/-201

1361 U=141

PLT TYP. Wave	Design Crit: FBC2007Res/TPI-2002 (STD)		Scale = .1875"/Ft.	
	FT/RT=20%(0%)/0(0)	QTY: 1	FL/-4/-/-R/-	REF R487-- 3273
 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WTC (WOOD TRUSS COUNCIL OF AMERICA, 6100 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. ANY TRUSS MANUFACTURER SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHIMS TO A PROPERLY ATTACHED RIGID CEILING.		TC LL 20.0 PSF	DATE 10/14/10
	IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.		TC DL 10.0 PSF	DRW HCUR487 10287059
			BC DL 10.0 PSF	HC-ENG TCE/DF
			BC LL 0.0 PSF	SEQN- 72875
			TOT.LD. 40.0 PSF	FROM AH
		DUR.FAC. 1.25	SPACING 24.0"	JREF- 1U61487_Z01

(9-244--Fill in later EDGLEY -- , ** - BH2)

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

111110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl (+/-)=0.18

Max JT VERT DEFL: LL: 0.19" DL: 0.20" recommended camber 3/8"

Bottom chord checked for 10.00 psf non-concurrent live load.

WFRS loads based on trusses located at least 15.00 ft. from roof edge.

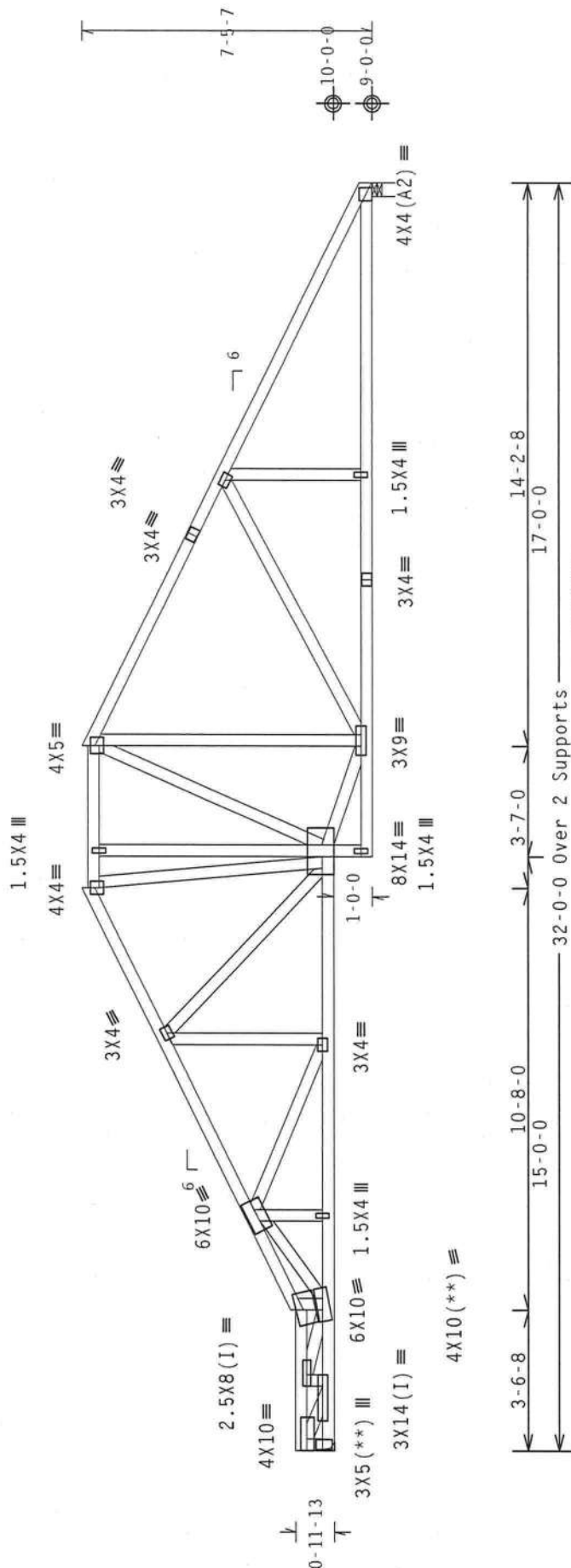
(I) - plates so marked were sized using a Fabrication Tolerance of 0% and a Rotational Tolerance of 0 degrees.

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

Wind reactions based on MWFRS pressures.

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

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



R-1312 U-125
RL-178/-204

R=1324 U=131 W=4"

PLOT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%) / 0(0)

FL/-/4/-/-/R/-
Scale = .25"/Ft.



ALPINE

nTW Building Components Group Inc.
Haines City, FL 33844
El Caya, #L 2788

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. RETURN TO nTW BUILDING COMPONENTS SAFETY INFORMATION, PUBLISHED BY nTW (PUSH PLATE) INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND nTW GROSS COUNCIL OF AMERICA, ENTERPRISE LANE, WAITSOM, NJ 52719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN, INCLUDING THE PROVISIONS OF THE NATIONAL DESIGN SPECIFICATIONS, SHALL BE THE RESPONSIBILITY OF THE DESIGN CONTRACTOR. WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPECIFICATIONS, ALL nTW BUILDING COMPONENTS CONNECTOR PLATES ARE MADE OF 20/18/16GA (H-M-SS/A) ASTM A653 GRADE 40/60 (A, E/F-SS) GALV. STEEL. APPLIC. 10GA-2 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 10GA-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 SEC. 2.

STATE OF FLORIDA

PROFESSIONAL ENGINEER

No. 06848

10/14/2010

TC LL	20.0	PSF	REF	R487--	3274
TC DL	10.0	PSF	DATE	10/14/10	
BC DL	10.0	PSF	DRW	HCUSR487	10287065
BC LL	0.0	PSF	HC-ENG	TCE/DF	
TOT.LD.	40.0	PSF	SEQN-	72889	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1U61487_Z01	

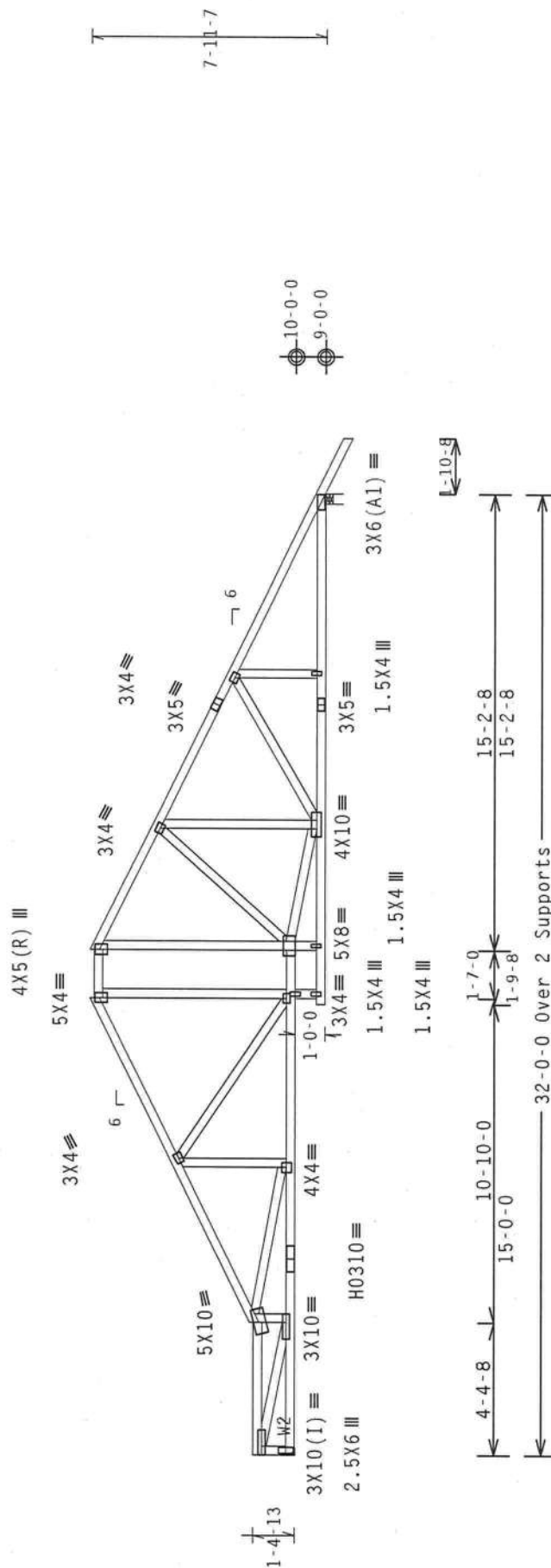
1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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

047/7 STAFF NOTIFICATION
DUP ALL NOT/7



R=1307 U=112
RL-220/-237

ULT TYP. 20 Gauge HS, Wave

FL/-/4/-/-/R/-		Scale = .1875"/Ft.
C LL	20.0 PSF	REF R487 - - 3275
C DL	10.0 PSF	DATE 10/14/10
C DL	10.0 PSF	DRW HCUSR487 10287041
C LL	0.0 PSF	HC-ENG TCE/DF
OT.LD.	40.0 PSF	SEQN- 72900
UR.FAC.	1.25	
SPACING	24.0"	JREF- 11161487 701

9.02:03.061016
 No. 06648
 218
 6300
 HAVE
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER
 01/14/2010

ALPINE

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

(9-244--Fill in later EDGLEY -- , ** - B2)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpf (+/-) = 0.18

Left end vertical not exposed to wind pressure.

Wind reactions based on MWFRS pressures.

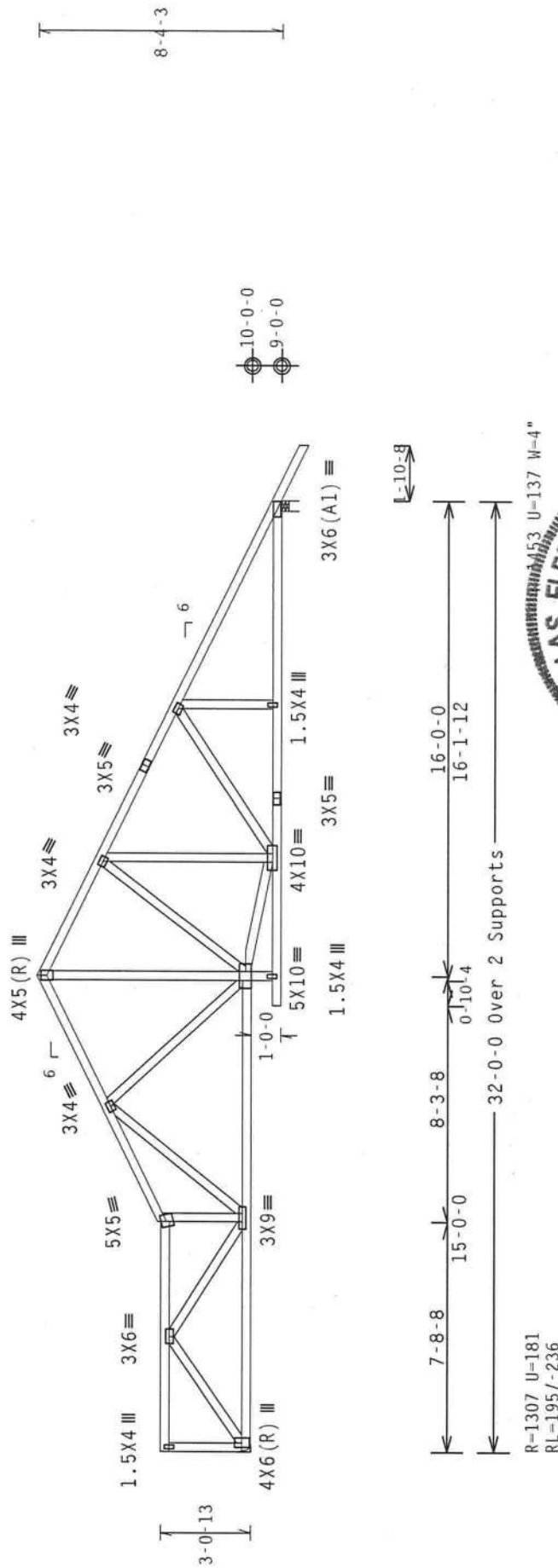
Roof overhang supports 2.00 psf soffit load.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

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

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



R-1307 U-181
RL-195/-236

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%) / 0 (0)

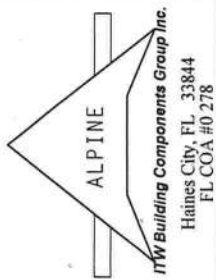
PLT TYP. Wave

Scale = .1875" / Ft.	FL / - / 4 / - / - / R / -	TC LL 20.0 PSF	REF R487 -- 3277
		TC DL 10.0 PSF	DATE 10/14/10
		BC DL 10.0 PSF	DRW HCUSR487 10287062
		BC LL 0.0 PSF	HC-ENG TCE/DF
		TOT.LD. 40.0 PSF	SEQN- 72924
		DUR.FAC. 1.25	FROM AH
		SPACING 24.0"	JREF- 1U61487_Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS FABRICATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), INC. 210 ALABAMA STREET, ALABAMA CITY, AL 35005. ALL TRUSSES MUST BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE TPI STANDARD SPECIFICATIONS FOR TRUSS FABRICATION, OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TPI SPECIFICATIONS, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, BY ANYONE, SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE INSTALLER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. 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.

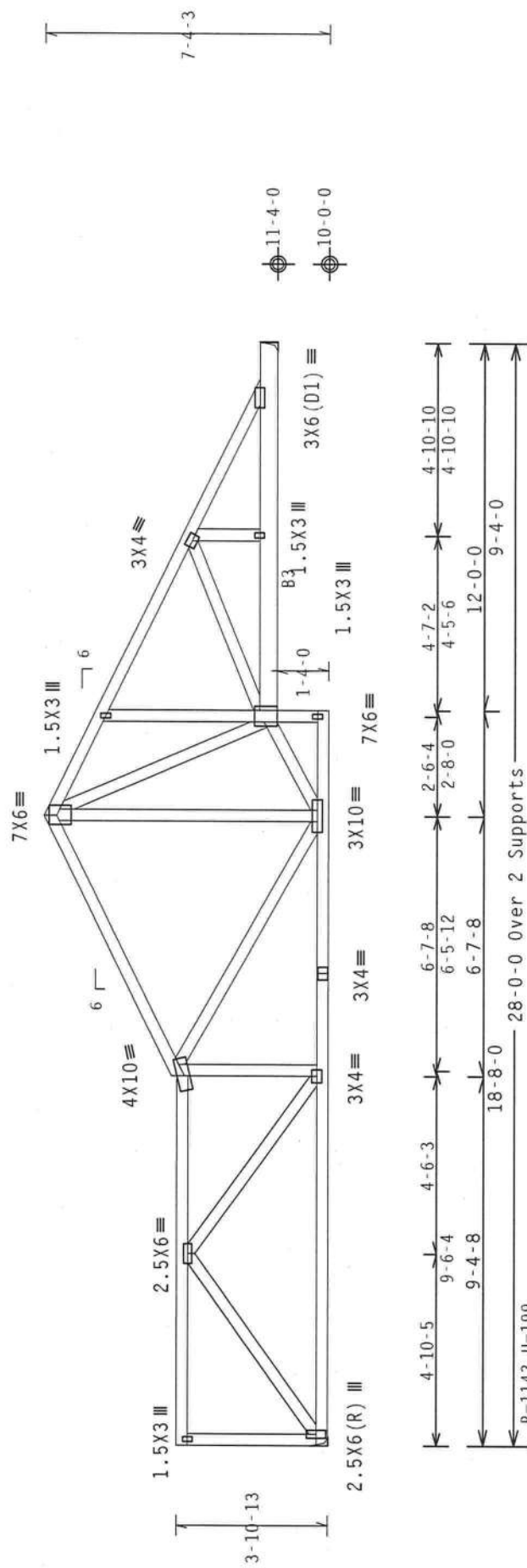


111110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf(+/-)=0.18

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.



RL-116/150 H-Simpson LUS26
 w/ (4) 10d Common, 0.148"x3.0" nails in Truss
 w/ (4) 10d Common, 0.148"x3.0" nails in Girder
 Supporting Member is (2) 2x6 SP #2
 8-1161 U-91 H-Simpson HUS26
 w/ (4) 10d Common, 0.148"x3.0" nails in Truss
 w/ (4) 10d, 0.148"x1.5" nails in Girder
 Supporting Member is (1) 2x6 SP #2

PLT TYP.: Wave

FT/RT=20%(0%)/0(0)

3.0319/17 QTY:

Scale = .25"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND MAINTENANCE. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY IPTI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND AITCA (WOOD TRUSS COUNCIL OF AMERICA), ENTERPRISE LANE, WAUWATON, MI 48091, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

[illegible]

TC LL	20.0 PSF	REF	R487--	3278
TC DL	10.0 PSF	DATE	10/14/10	
BC DL	10.0 PSF	DRW	HCUSR487	1028706
BC LL	0.0 PSF	HC-ENG	KD/DF	
TOT.LD.	40.0 PSF	SEQN-	151018	
DUR.FAC.	1.25	FROM	AH	
SPACING	24.0"	JREF-	1U61487	201



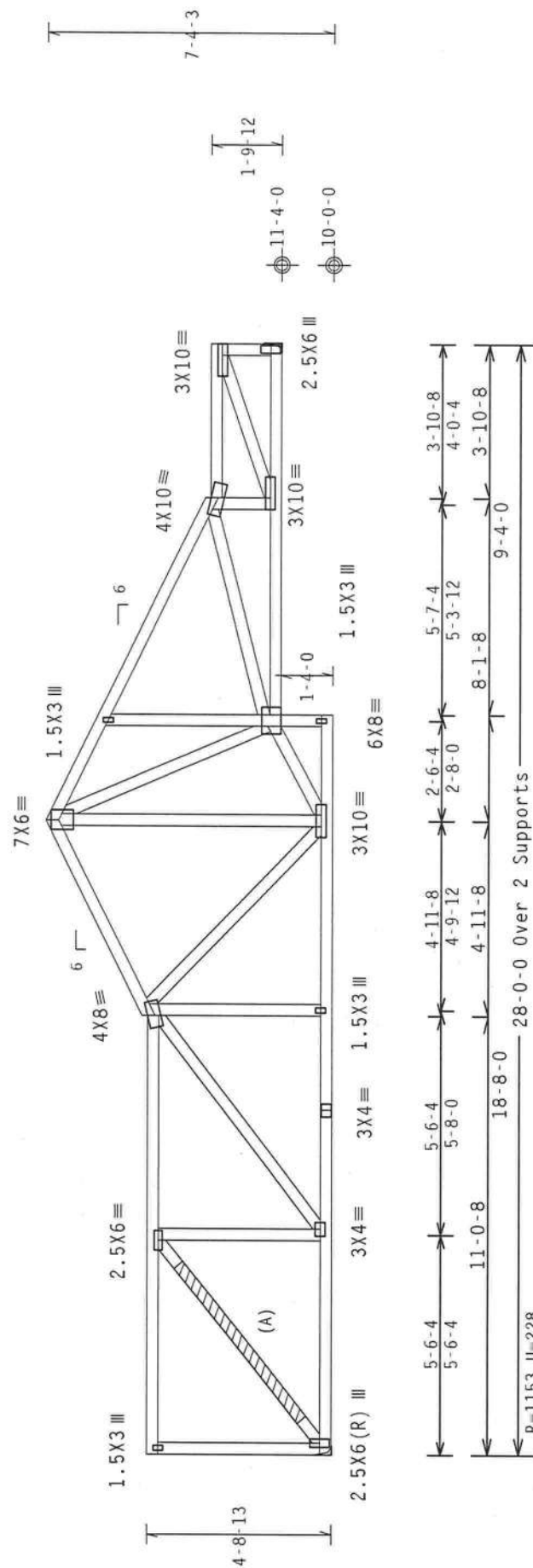
ALPINE
Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0278

111110 mph wind, 15.25 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



R-1153 U-228

RL=86/-111 H=Simpson LUS26

(4) 10d Common, 0.148"x3.0" nails in Truss

(4) 10d Common, 0.148"x3.0" nails in Girder

Supporting Member is (2) 2x6 SP #2
FRC2007Res/TPI-2002/STON

Design Crit: FBC200/Res/PI-2002 (SID)
FT/RT=20%(0%)/0(0)

FT/RT=20%(0%)/0(0)

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND HOISTING. SEE THE FOLLOWING INFORMATION FOR A COMPLETE LIST OF PRECAUTIONS TO BE OBSERVED. ALWAYS REFER TO BC'S BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTION).

NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WITCA (WOOD TRUSS COUNCIL OF AMERICA, 100 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS.

OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ITW 8CG, INC., SINCE HE IS RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TESS TO CONFORMANCE WITH THIS DESIGN WILL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.**

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI. TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTOR PLATES ARE MADE OF 20/18/1684 (W,H/S5/H) ASTM A563 GRADE 40/60 (W, K/H,SS) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS.

Group Inc.

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

100

PLT TYP. Wave

Scale = .25"/Ft.

REF R487-- 3279

DATE 10/14/10

MAIL 10/14/10

HW AC05R48/ I028/00

HC-ENG KD/UF

151084

FROM AH

REF- 1U61487_Z0

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

1110 mph wind, 15.75 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpf (+/-)=0.18

End verticals not exposed to wind pressure.

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

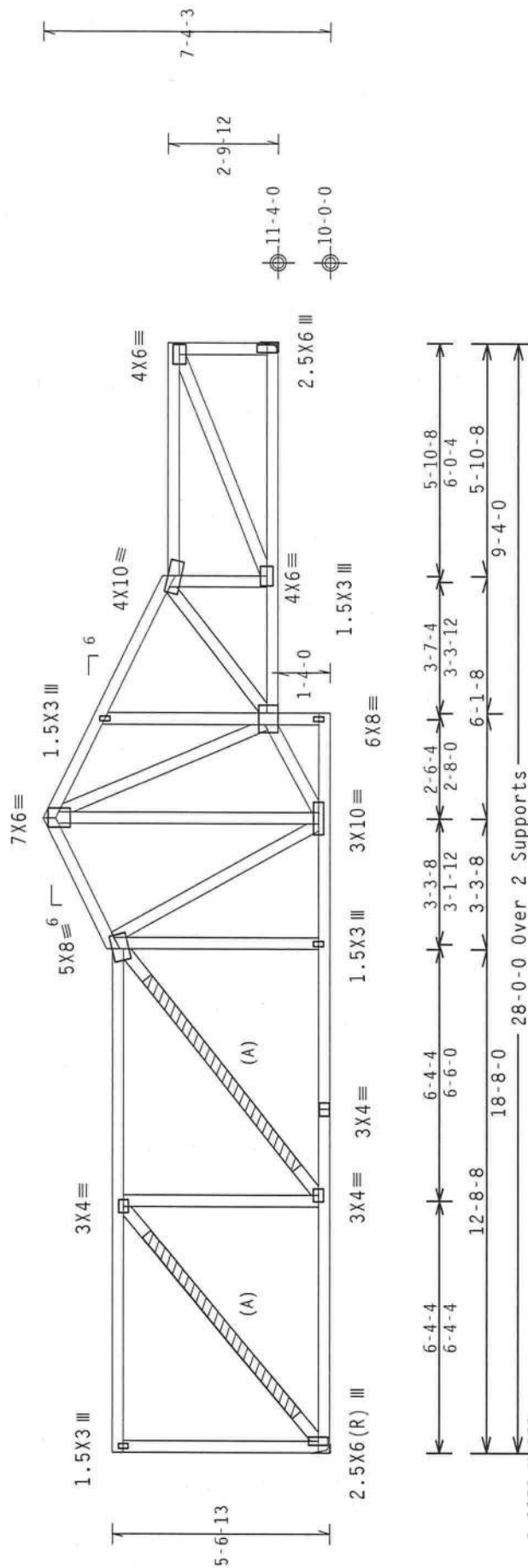
Bottom chord checked for 10.00 psf non-concurrent live load.

MMWFRS loads based on trusses located at least 15.75 ft. from roof edge.

Wind reactions based on MWFRS pressures.

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

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



R-1153 U-260

RL=60/-82 H=Simpson LUS26

w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder

Supporting Member is (2)2x6 SP #2 Design Crit: FBC2007Res/TPI-2002 (STD)

PLT TYP. Wave

03.0319/17 OTY: FL/-14/-1-/R/-

Scale = .25"/Ft.

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND REMOVAL. REFER TO BESIG UNSTEERING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (THUSSE PLATE INSTITUTE), 218 W. 12TH ST., SUITE 100, ST. LOUIS, MO 63102, FOR A COMPLETE LIST OF TPI DISTRIBUTORS. TPI'S 1-800-368-6363. TPI ENTERPRISE, INC., 440150R, M1, 57219170, FOR SAFETY PRACTICES TO BE FOLLOWED WHEN PERFORMING THESE FUNCTIONS. THESE THUSSES ARE DESIGNED TO BE USED IN CONJUNCTION WITH THE TPI THUSSE PLATE. THE THUSSES ARE NOT TO BE USED ON OTHERSHEE INDICATED TOP CHORD SINCE THEY ARE NOT PROPERLY ATTACHED RIGID CORDS. THE THUSSES ARE NOT TO BE USED ON BOTTOM CHORD SINCE THEY ARE NOT PROPERLY ATTACHED RIGID CORDS.

No. 66648	★	TC LL	20.0 PSF
	★	TC DL	10.0 PSF

REF	R487 - - 3280
DATE	10/14/10

*****IMPORTANT***** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ITW BCG, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH ITPI, OR FOR FABRICATING, HANDLING, SHIPPING, INSTALLING OR ERECTING TRUSSES, BY AFAPA AND TPI. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPECIFICATION) BY AFAPA AND TPI. ITN CONECTOR PLATES ARE MADE OF 2018/T1706GA (H/HSS/A) ASTM A663 GRADE 40/60 (H, K/H-SS) GALV. STEEL. APPLICABLE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A THROUGH 100D. INSPECTION OF PLATES FOLLOWED BY COSS SHALL BE PERFORMED BY 11/11-2002 (SEC. 3). THE SEAL ON THIS DRAWING IS THE PROPERTY OF ITW BCG, INC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS SEAL ON THIS DRAWING. SHOWN THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AFAPA/TPI 1 SEC. 2.

BC DL	10.0	PSF
BC LL	0.0	PSF
TOT.LD.	40.0	PSF
DUR.FAC.	1.25	
SDACTING	4.0"	

DRW HCURS487 10287063
4C-ENG KD/DF
5EQN- 151090
FROM AH
DCE- 11061497 701

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

Haines City, FL 33844
FL COA #0 278

(9-244--Fill in later EDGLEY -- , ** - B3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B3 2x6 SP #2:
Webs 2x4 SP #3

Left end vertical not exposed to wind pressure.

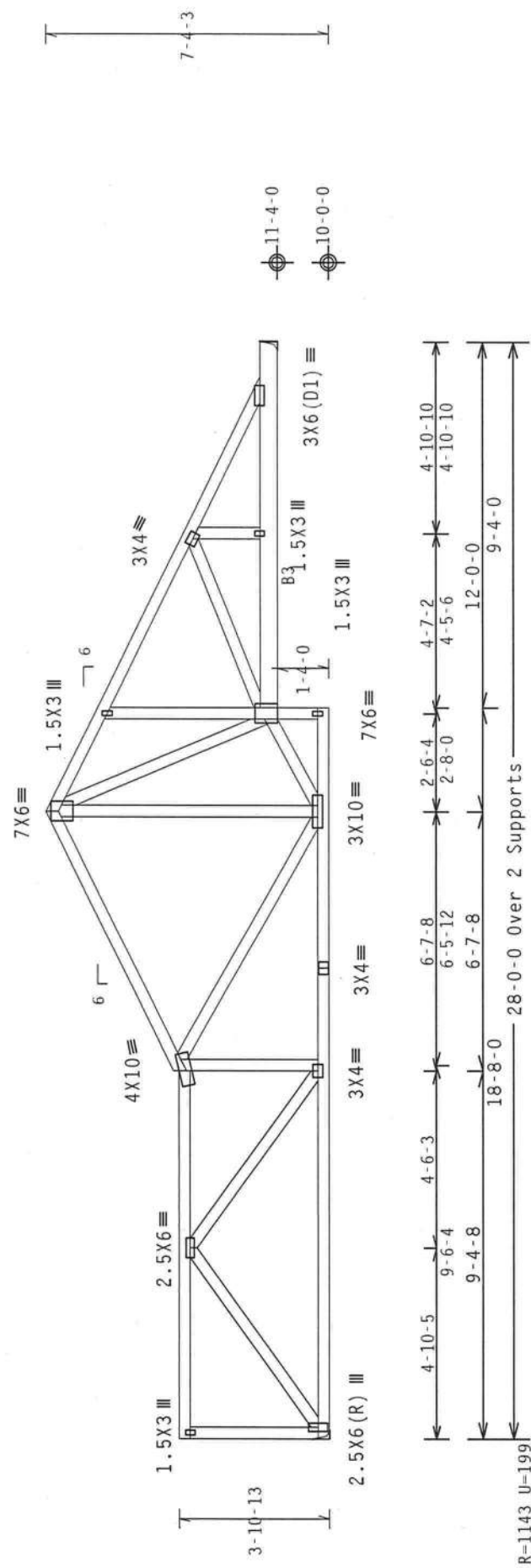
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



R-1143 U-1991
RL-116/-150 H-Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Supporting Member is (2)2x6 SP #2
Design Cr1t: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)
Scale = .25"/Ft.

PLT TYP. Wave

ALPINE

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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD INSTITUTE COUNCIL OF AMERICA, ENTERPRISE LANE, HADISON, NJ 07610) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL BE RESPONSIBLE FOR ANY BEVIATION 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 AOS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI.

CONNECTOR PLATES ARE MADE OF 2018/166A (W/MS573) ASTM A653 GRADE 40/60 (W/AF&PA) GALV. STEEL. APPLICABLE SPECIFICATIONS FOR EACH PLATE TYPE ARE LISTED IN THE UNIFORM SPECIFICATIONS FOR STEEL BUILDING TRUSSES. EACH PLATE SHALL BE FOLLOWED BY THE UNIFORM SPECIFICATIONS FOR STEEL BUILDING TRUSSES. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

FL/RT=20%(0%)/0(0)

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

REF R487-- 3284
DATE 10/14/10
DRW HCUSR487 10287068
HC-ENG KD/DF
SEQN- 150950
FROM AH
JREF- 1U61487_Z01

Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense
Webbs	2x4	SP	#3	
:Lt Bearing	Leg	2x6	SP	#2:

Roof overhang supports 2.00 psf soffit load.

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

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

MMWFRS loads based on trusses located at least 15.00 ft. from roof edge.

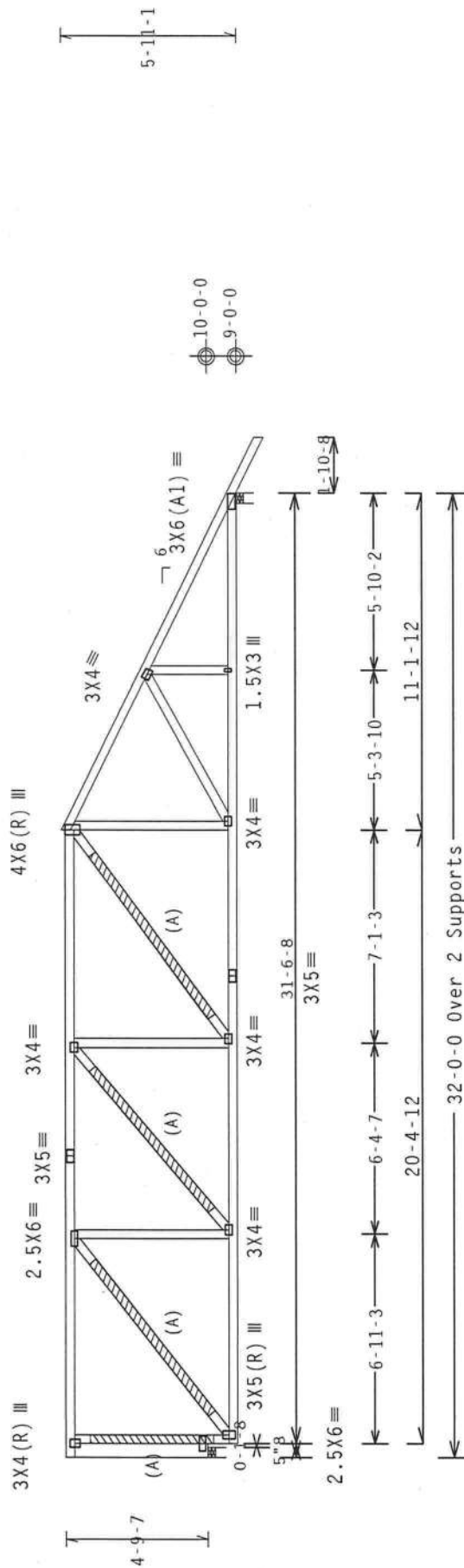
1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCri (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

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



R=1347 U=343 W=4"
RL=81/-148

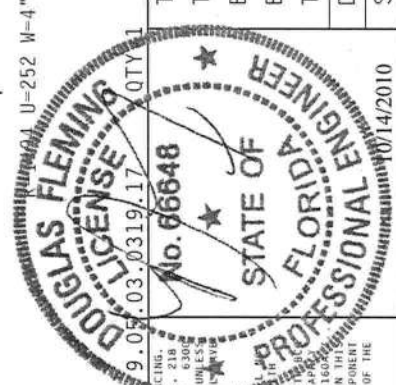
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%) / 0 (0)

PLT TYP. Wave

FL/-/4/-/-/R/-
Scale = .1875" / Ft.

TC LL	20.0	PSF	REF R487--	3285
TC DL	10.0	PSF	DATE	10/14/10
BC DL	10.0	PSF	DRW HCUR487	10287005
BC LL	0.0	PSF	HC-ENG KD/DF	
TOT.LD.	40.0	PSF	SEQN-	152498
DUR.FAC.	1.25		FROM AH	
SPACING	24.0"		JREF-	1U61487_Z01

*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP TRUSSING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304-1049, (408) 461-1100, OR TPI'S CONCISE SAFETY FUNCTIONS, UNDER THE NAME OF TPI TRUSSING, P.O. BOX 1001, CHICAGO, IL 60601-0100, (312) 427-1519. ALL TRUSSES ARE DESIGNED TO BE PROPERLY ATTACHED TO SUPPORTING STRUCTURAL PANELS AND BOTTOM CHORD STRINGS. IMPROPERLY ATTACHED TOP CHORD STRINGS CAN HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD STRINGS BEING PROPERLY ATTACHED, RESULTING IN COLLAPSE.

[illegible]

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

(9-244--Fill in later EDGLEY -- , ** - C)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind
BC DL=5.0 psf. 1w=1.00 GCpl (+/-)=0.18

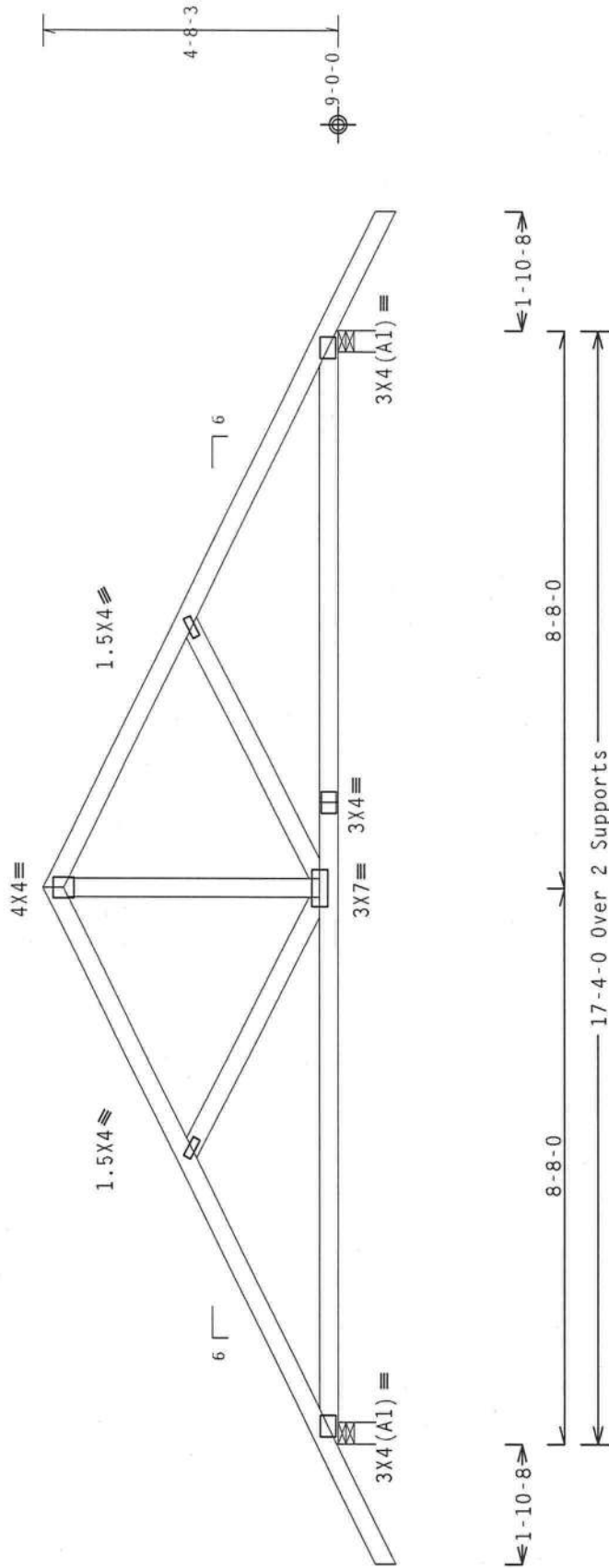
Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



R-839 U-223 W-4"

R-839 U-223 W-4"

RL=188/-188

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=20%(0%/0(0))

PLT TYP. Wave

Scale = .375"/Ft.

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	PLT TYP. Wave		FT/RT--20%(0%)/0(0)		9.08.03.0610/16	QTY 3	FL/-4/-/-R/-	Scale =.375"/Ft.
	WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.							
	IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL BE RESPONSIBLE FOR DELIVERING THIS DESIGN TO THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN							

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

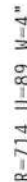
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/1866 (A572) ASTM A572 GRADE 40/50 (40/50 G30, STEEL, APPLICABLE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS LOCATED ON EACH FACE OF TRUSS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS ARE IN FEET AND INCHES. UNLESS OTHERWISE INDICATED, THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CL0SED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf(+/-)=0.18

Wind reactions based on MWFRS pressures.

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



R=714 U=88
RL=87/-86

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

Scale = .375" / Ft.

[illegible]

(9-244--Fill in later EDGLEY --, ** - C2)

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

End verticals not exposed to wind pressure.

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

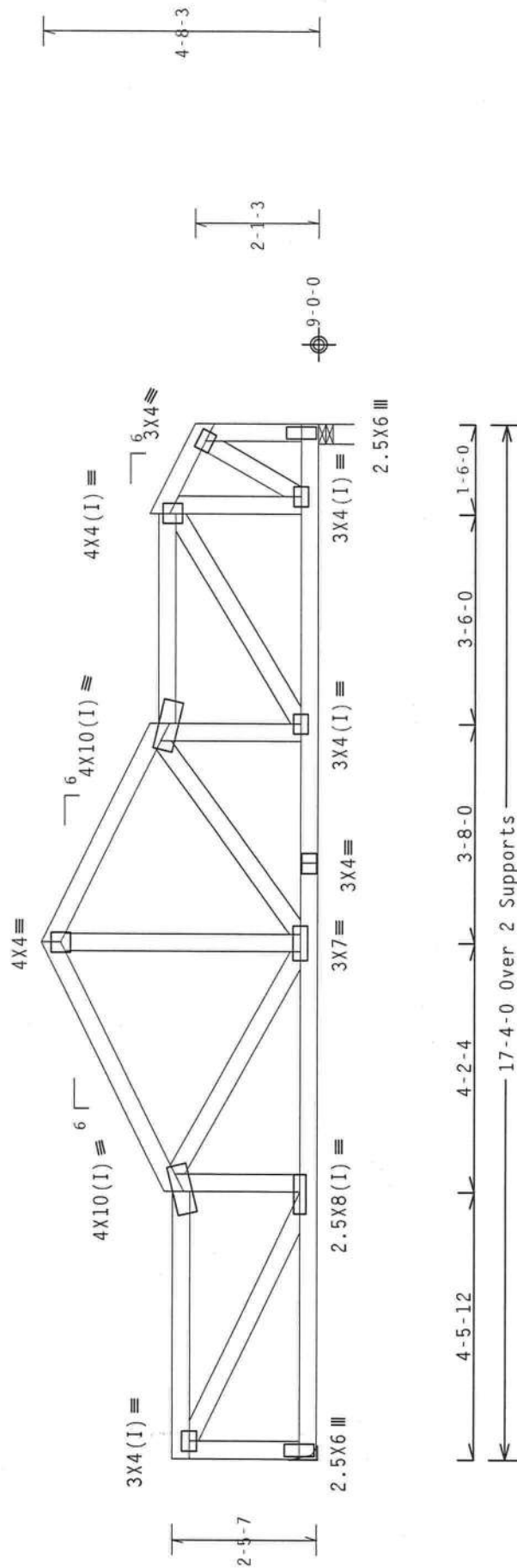
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, Exp C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



R-714 U-116
RL=66/-73

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

Scale = .375"/Ft.

FL/-4/-/-R/-

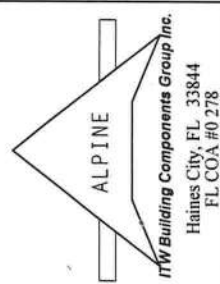
TC LL 20.0 PSF
TC DL 10.0 PSF
BC DL 10.0 PSF
BC LL 0.0 PSF
TOT.LD. 40.0 PSF
DUR.FAC. 1.25
SPACING 24.0"

REF R487-- 3289
DATE 10/14/10
DRW HCUSR487 10287057
HC-ENG TCE/DF
SEQN- 73030
JREF- 1U61487_Z01



WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE DESIGN.

IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE DESIGN.

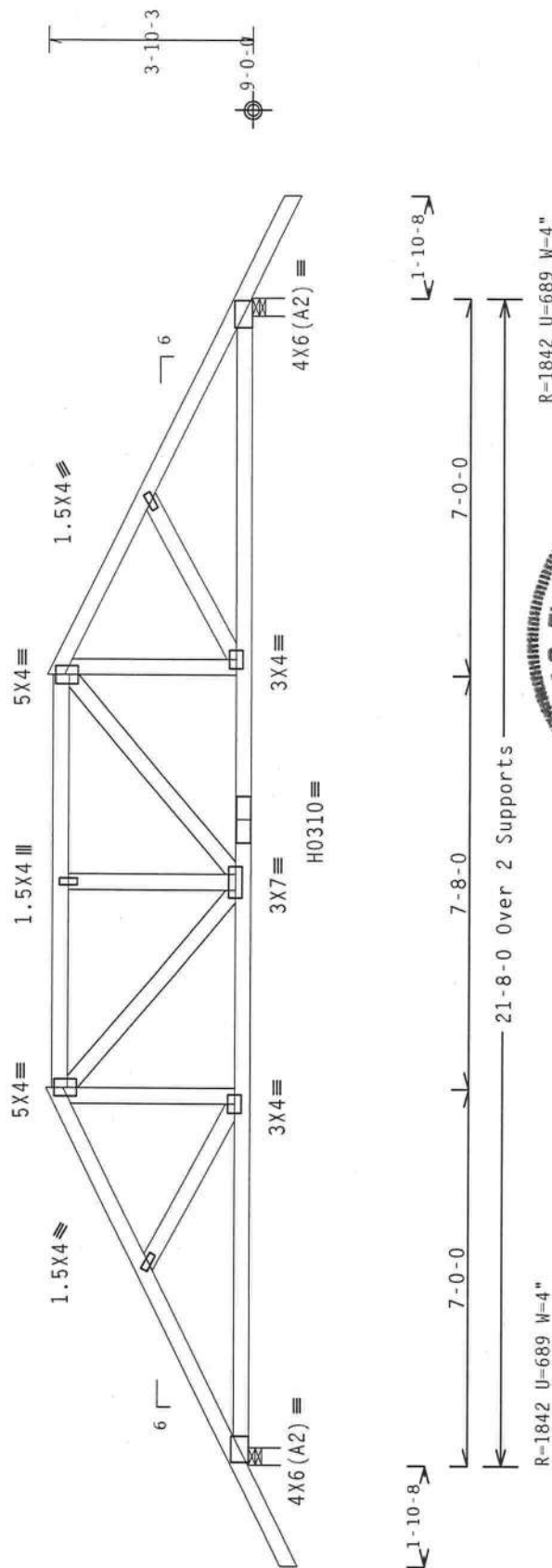


11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCpf (+/-)=-0.18

Wind reactions based on MWFRS pressures.

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

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

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%) / 0(0)

FL/-/4/-/-/R/- Scale = .3125"/Ft.

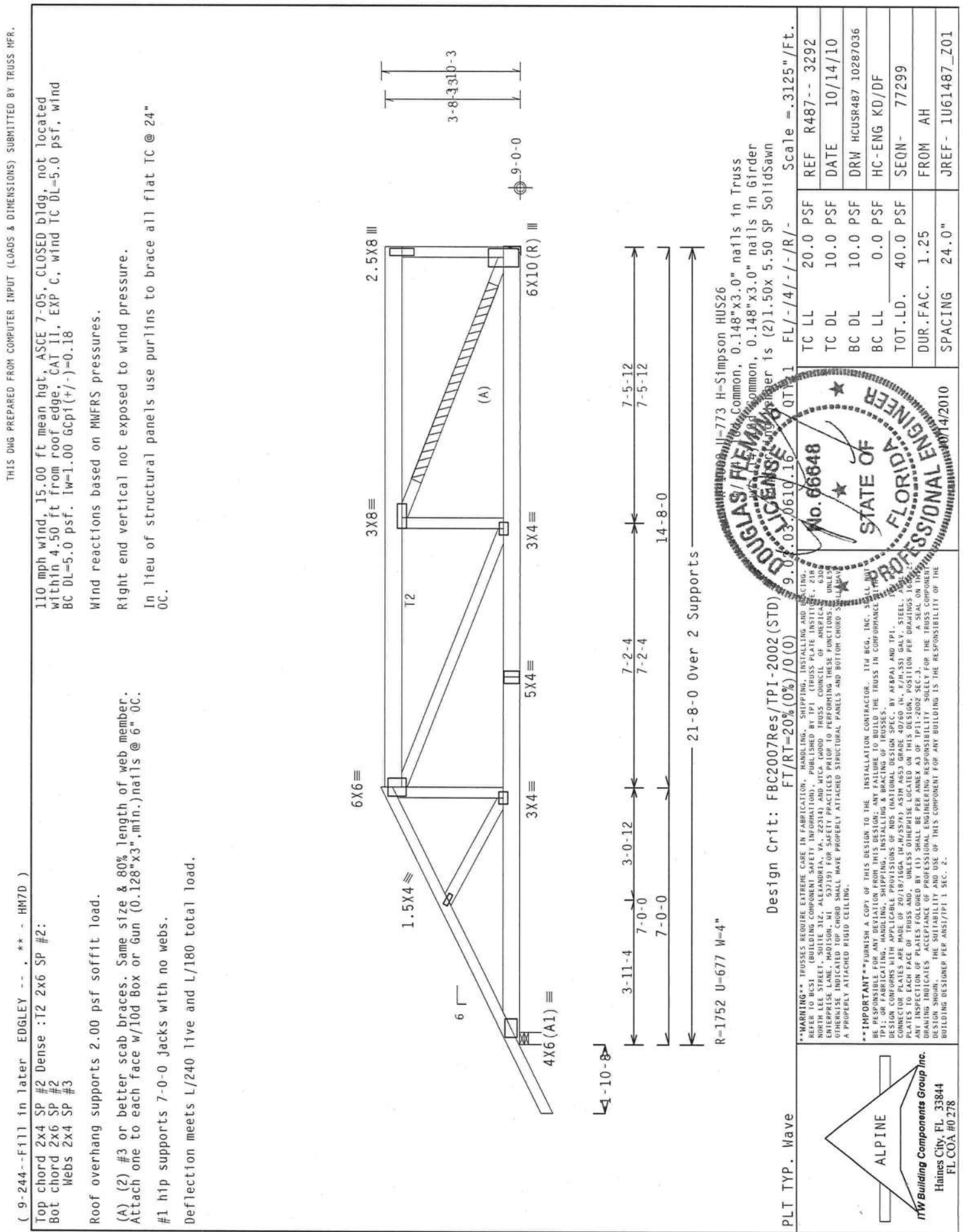
TC LL	20.0	PSF	REF R487 -- 3291
TC DL	10.0	PSF	DATE 10/14/10
BC DL	10.0	PSF	DRW HCUSR487 10287016
BC LL	0.0	PSF	HC-ENG TCE/DF
TOT.LD.	40.0	PSF	SEGN- 68178
DUR.FAC.	1.25		FROM AH
SPACING	24.0"		JREF- 1U61487_Z01



ALPINE

TTW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278



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

(9-244--Fill in later EDGLEY -- , ** - HM7D)
Top chord 2x4 SP #2 Dense :T2 2x6 SP #2:
Bot chord 2x4 SP #2
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

(A) (2) #3 or better scab braces. Same size & 80% length of web member.
Attach one to each face w/10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

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

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

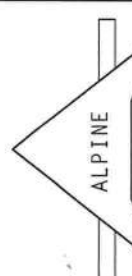
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind
BC DL=5.0 psf. IW=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)
Scale = .3125"/Ft.

PLT TYP. Wave			ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	
	No. 66848		FLORIDA PROFESSIONAL ENGINEER	
	STATE OF		10/14/2010	
	No. 66848		DATE	
	9.0.0.0610.16		10/14/10	
	9.0.0.0610.16		DRW HCUR487 10287036	
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND ERECTING. THE TRUSS IS DESIGNED TO BE USED IN CONFORMANCE WITH THE DESIGN SPECIFICATIONS AND NOT FOR OTHER PURPOSES. THE TRUSS IS NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF THE TRUSS MANUFACTURER. THE TRUSS IS NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF THE TRUSS MANUFACTURER.		TC LL 20.0 PSF		REF R487-- 3292
		TC DL 10.0 PSF		DATE
		BC DL 10.0 PSF		DRW HCUR487 10287036
		BC LL 0.0 PSF		HC-ENG KD/DF
		TOT.LD. 40.0 PSF		SEQN- 77299
		DUR.FAC. 1.25		FROM AH
		SPACING 24.0"		JREF- 1U61487_Z01

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-) =0.18

Roof overhang supports 2.00 psf soffit load.

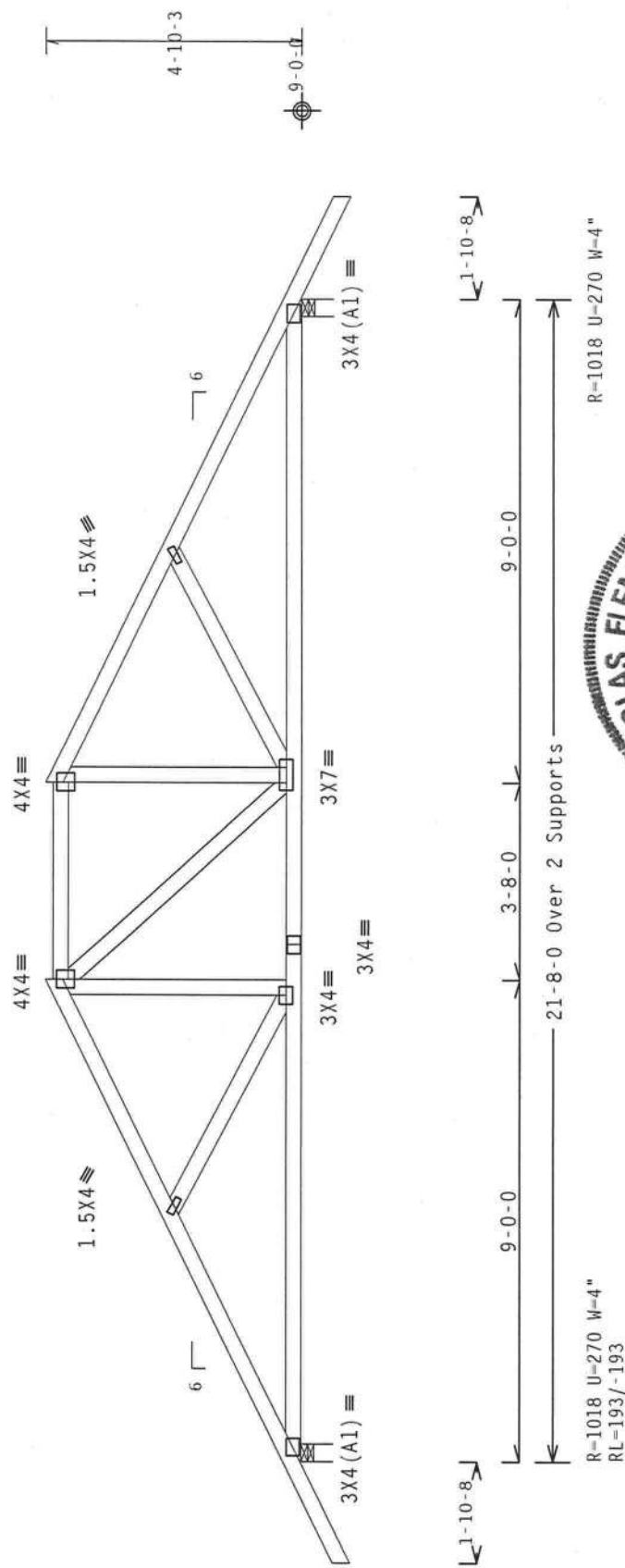
Wind reactions based on MWFRS pressures.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

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

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%) / 0 (0)

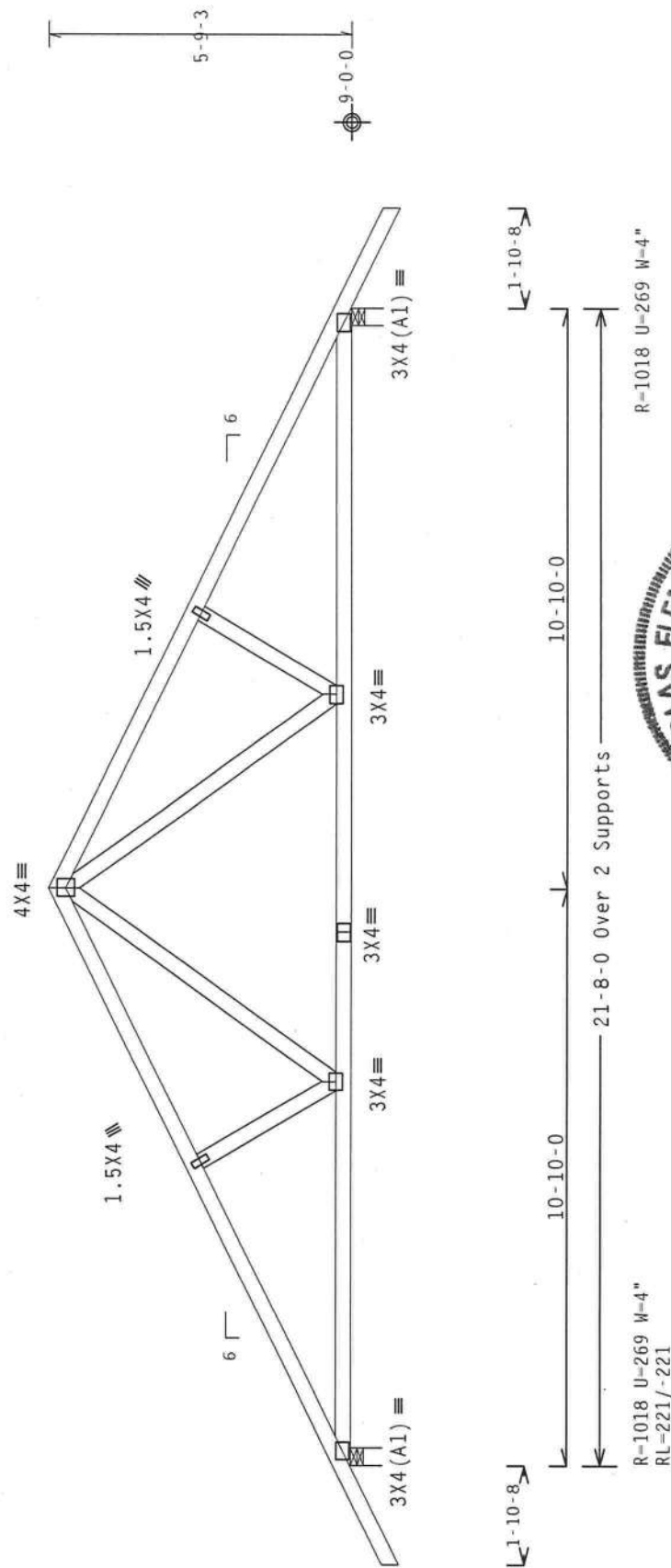
FL/-/4/-/-/R/-
Scale = .3125"/Ft.

[illegible]

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCp1(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

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

TC LL	20.0	PSF	REF	R487--	3294
TC DL	10.0	PSF	DATE	10/14/10	
BC DL	10.0	PSF	DRW	HCURS487	10287018
BC LL	0.0	PSF	HC-ENG	TCE/DF	*
TOT.LD.	40.0	PSF	SEQN-	68188	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1U61487_Z01	

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND ERECTING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MICA (4000 TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PROEP TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED HIGD COWLING.

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ITW ECG, INC., SUITE 100, BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO DO SO WILL BE THE RESPONSIBILITY OF THE DESIGNER. FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFAPA) AND TPI.

CONNECTOR PLATES ARE MADE OF 2018/16GA (U-H/SS/KV) ASTM A653 GRADE 40/60 (N, K/H-SS) GALV. STEEL. ALL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON 40/60 (N, K/H-SS) GALV. STEEL. ALL UNINSPECTED TOP PLATES ENCLOSURE SHALL BE PER AMERICAN TPI-1-26002 SEC.3. A SEAL ON THE BOTTOM OF THE PLATE INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN.

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

DATE: 1/4/2010



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

<u>Top</u>	chord	2x4	SP #2	Dense
<u>Bot</u>	chord	2x4	SP #2	Dense
	webs	2x4	SP #3	

Roof overhang supports 2.00 psf soffit load.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

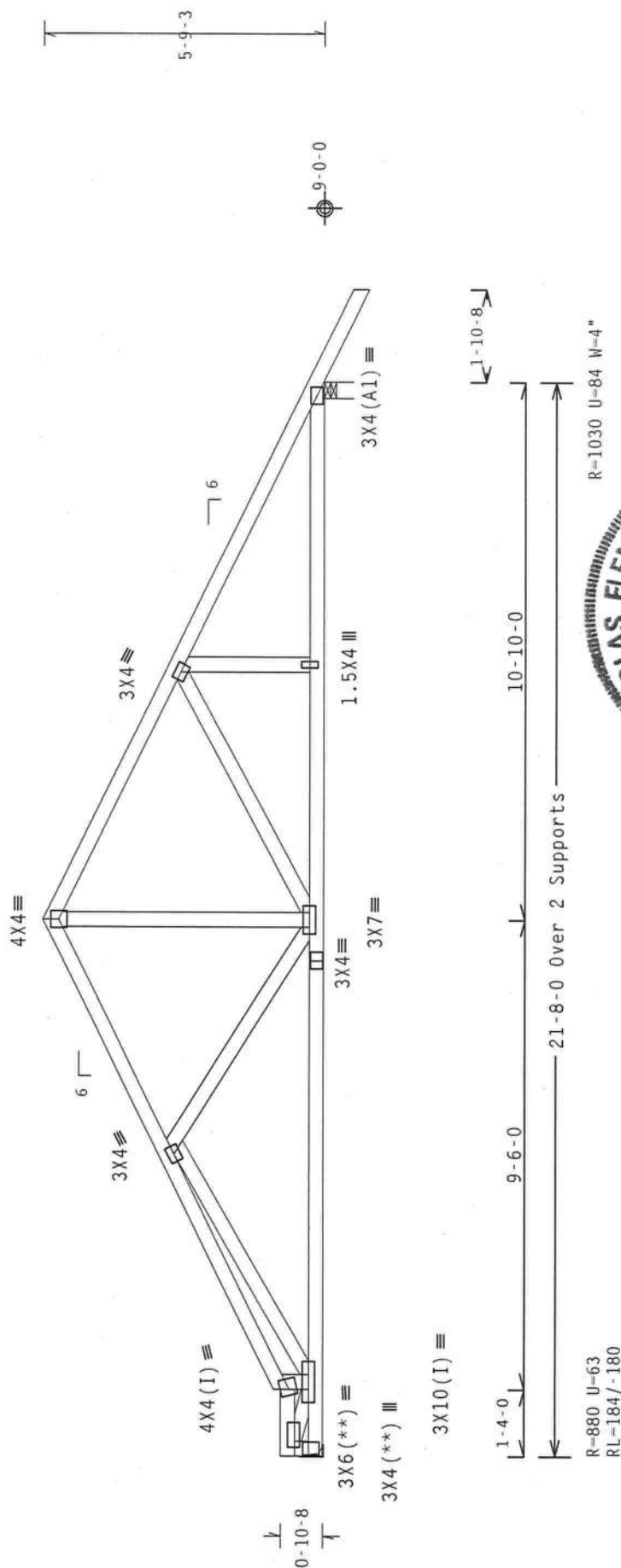
MMWFRS loads based on trusses located at least 15.00 ft. from roof edge.

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

11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, 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.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%) / 0(0)

FL/-/4/-/-/R/-
Scale = .3125"/Ft.

TC LL	20.0	PSF	REF R487-- 3295
TC DL	10.0	PSF	DATE 10/14/10
BC DL	10.0	PSF	DRW HCURS487 10287033
BC LL	0.0	PSF	HC-ENG TCE/DF
TOT.LD.	40.0	PSF	SEON- 72795
DUR.FAC.	1.25		FROM AH
SPACING	24.0"		REF- 1UG1487 Z01



ALPINE

TW Building Components Group Inc.

Haines City, FL 33844

(9-244--Fill in later EDGLEY -- , ** - D4)

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

Roof overhang supports 2.00 psf soffit load.

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

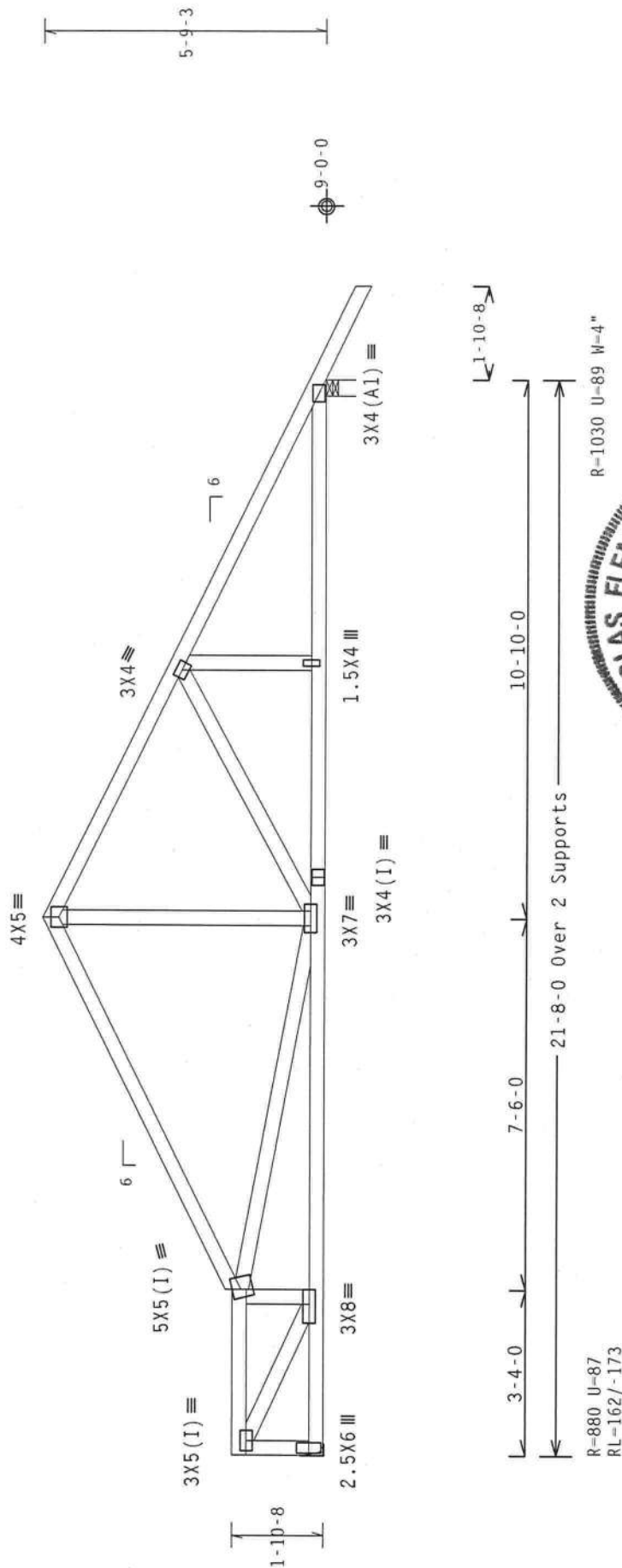
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%)/0(0)

Scale = .3125"/Ft.

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

REF	R487--	3296
DATE	10/14/10	
DRW	HCSR487	10287013
HC-ENG	TCE/DF	
SEQN	72810	
FROM	AH	
JREF	1U61487_Z01	

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

IMPORTANT-- FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL BE RESPONSIBLE FOR FURNISHING THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE TRUSS SHALL BE DESIGNED AND FABRICATED IN ACCORDANCE WITH THE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PAI) AND TPI. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PAI) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/166A (H-H/SS/H) ASTM A653 GRADE 40/60 (H, K/H/SS) GALV. STEEL. APPLICABLE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16042. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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

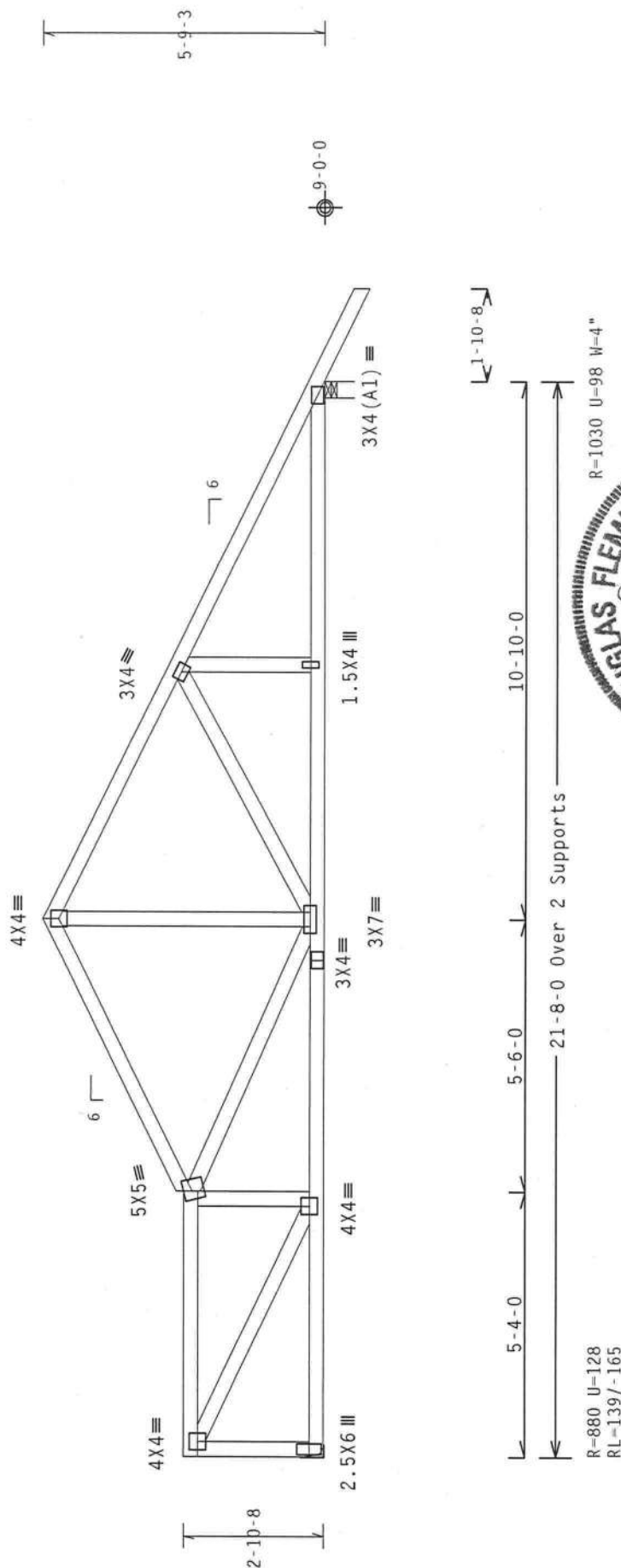
11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 gCp1 (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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

MFERS loads based on trusses located at least 15.00 ft. from roof edge.



R=880 U=128
RL=139/-165

PLT TYP. Wave

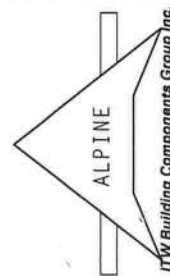
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%) / 0 (0)

9 02 03 0610 16

Scale = 3125"/Ft

TC LL	20.0	PSF	REF R487-- 3297
TC DL	10.0	PSF	DATE 10/14/10
BC DL	10.0	PSF	DRW HCUR487 10287035
BC LL	0.0	PSF	HC-ENG TCE/DF
TOT.LD.	40.0	PSF	SEQN- 72818
DUR.FAC.	1.25		FROM AH
SPACING	24.0"		JREF- 1U61487 Z01

10/14/2010



Haines City, FL 33844
FL COA #0278

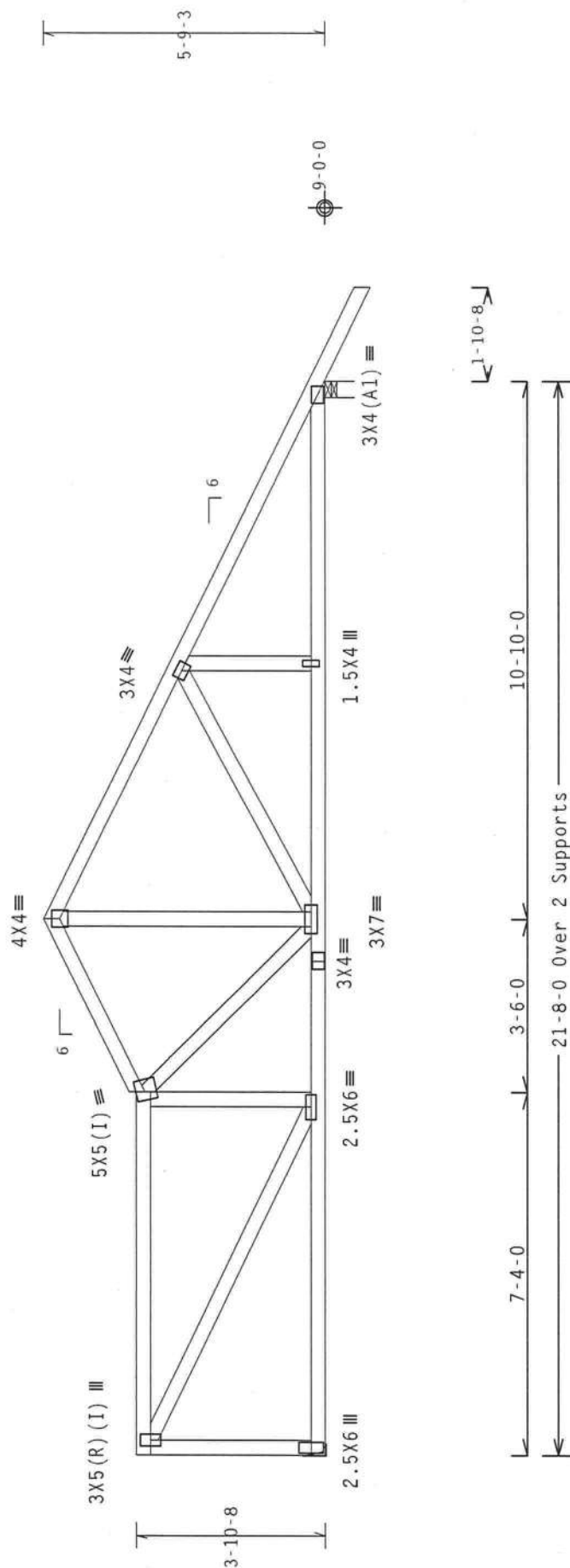
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpt (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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

WFRS loads based on trusses located at least 7.50 ft. from roof edge.



R-880 U-241
RL-116/-158

R=1030 U=262 W=4"

PLT TYP. Wave

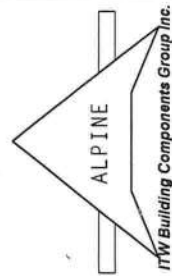
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

FL/-/4/-/-/R/-
Scale = .3125"/Ft.

TC LL	20.0	PSF	REF	R487--	3298
TC DL	10.0	PSF	DATE	10/14/10	
BC DL	10.0	PSF	DRW	HCUSR487	10287034
BC LL	0.0	PSF	HC-ENG	TCE/DF	
TOT.LD.	40.0	PSF	SEQN-	72826	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1U61487_Z01	

10/14/2010

JREF- 1U61487 701



Haines City, FL 33844
FL COA #0278

(9-244--Fill in later EDGLEY -- ** - D1)

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

Max JT VERT DEFL: LL: 0.11" DL: 0.15" recommended camber 1/4"

Bottom chord checked for 10.00 psf non-concurrent live load.

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

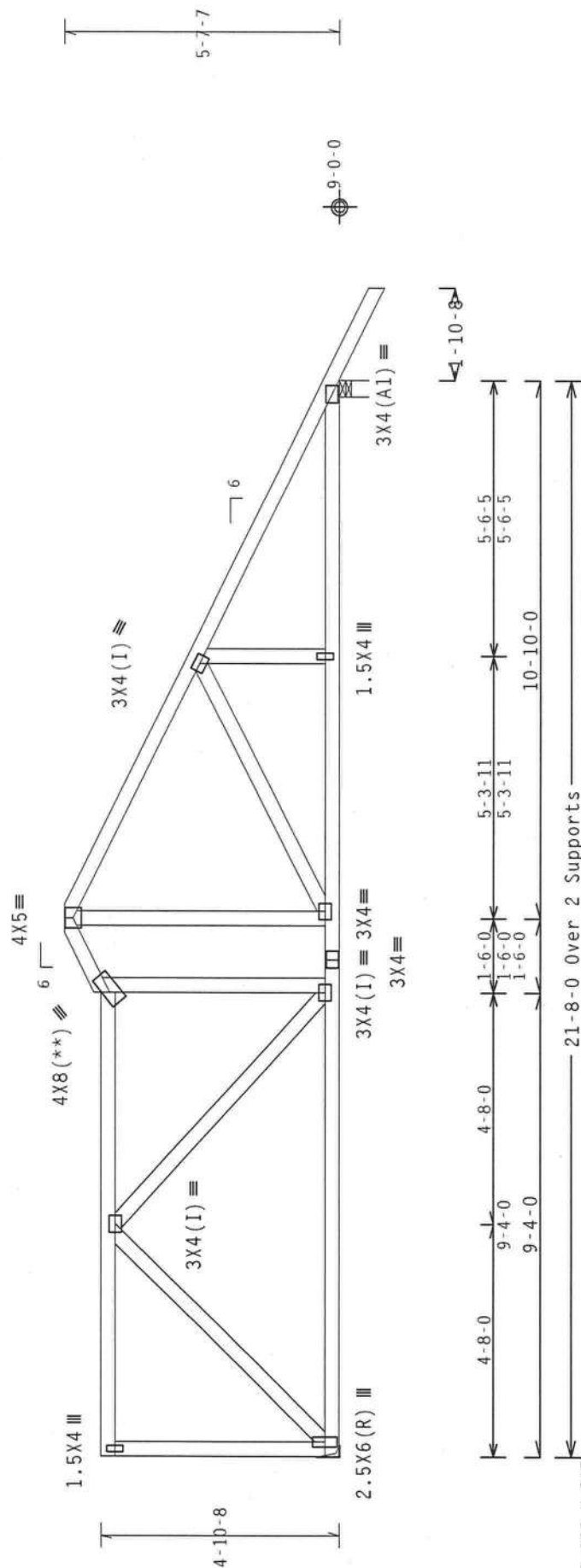
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

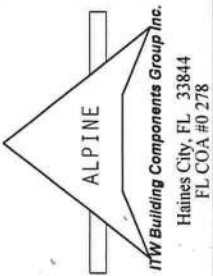
Wind reactions based on MWFRS pressures.

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

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



PLT TYP. Wave
R-880 U-245
RL-90/-192 H-Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 16d Common, 0.162"x3.5" nails in Girder
Supporting Member is (2)2x6 SP #2
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)
Scale = .3125" / Ft.
REF R487 -- 3299
DATE 10/14/10
DRW HCUSR487 10287040
HC-ENG KD/DF
SEQN- 151138
FROM AH
JREF- 1U61487_Z01



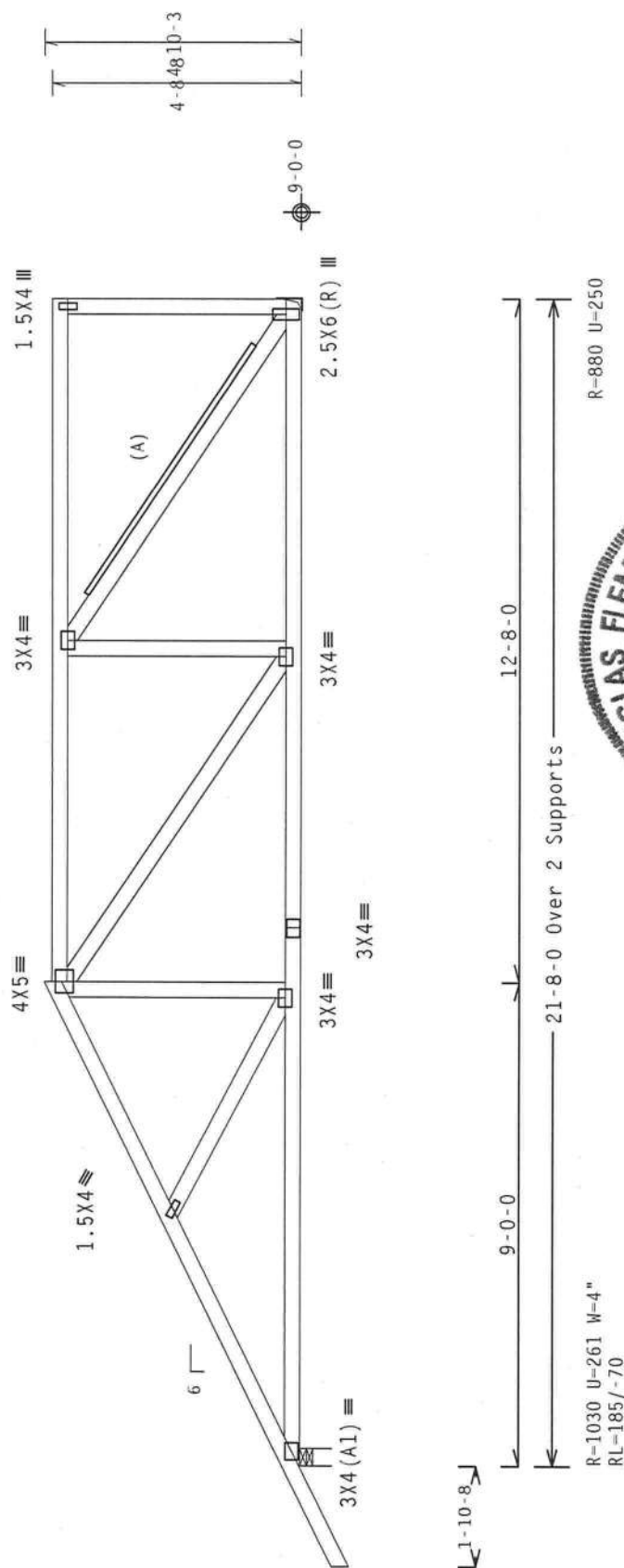
11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

MMWFRS loads based on trusses located at least 7.50 ft. from roof edge.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%) / 0(0)

FL / - / 4 / - / - / R / - / - / Scale = .3125" / Ft.

TC LL	20.0	PSF	REF R487-- 3300
TC DL	10.0	PSF	DATE 10/14/10
BC DL	10.0	PSF	DRW HCUR487 10287038
BC LL	0.0	PSF	HC-ENG TCE/DF
TOT.LD.	40.0	PSF	SEQN- 68221
DUR.FAC.	1.25		FROM AH
SPACING	24.0"		JREF- 1U61487_Z01

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

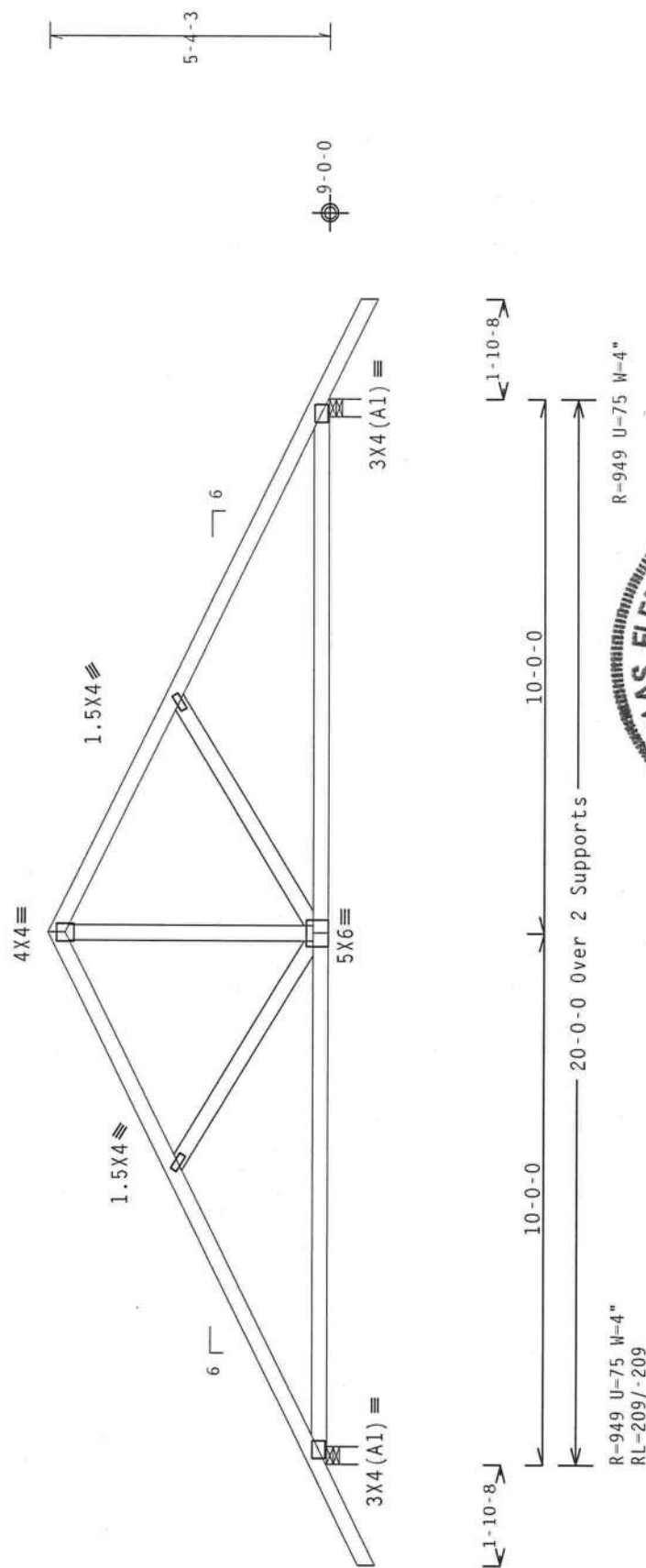
[illegible]

11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.



Design Crit: FBC2007Res/TPI-2002(STD)

9.0/03.0610.16 QT/2 FL/-4/-/-R/-
Scale = .3125"/Ft.

PLT TYP. Wave



ALPINE

TW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

TC LL	20.0	PSF	REF R487-- 3301
TC DL	10.0	PSF	DATE 10/14/10
BC DL	10.0	PSF	DRW HCUR487 10287019
BC LL	0.0	PSF	HC-ENG TCE/DF *
TOT.LD.	40.0	PSF	SEQN- 68291
DUR.FAC.	1.25		FROM AH
SPACING	24.0"		JREF- 1UG1487_Z01

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

2 COMPLETE TRUSSES REQUIRED

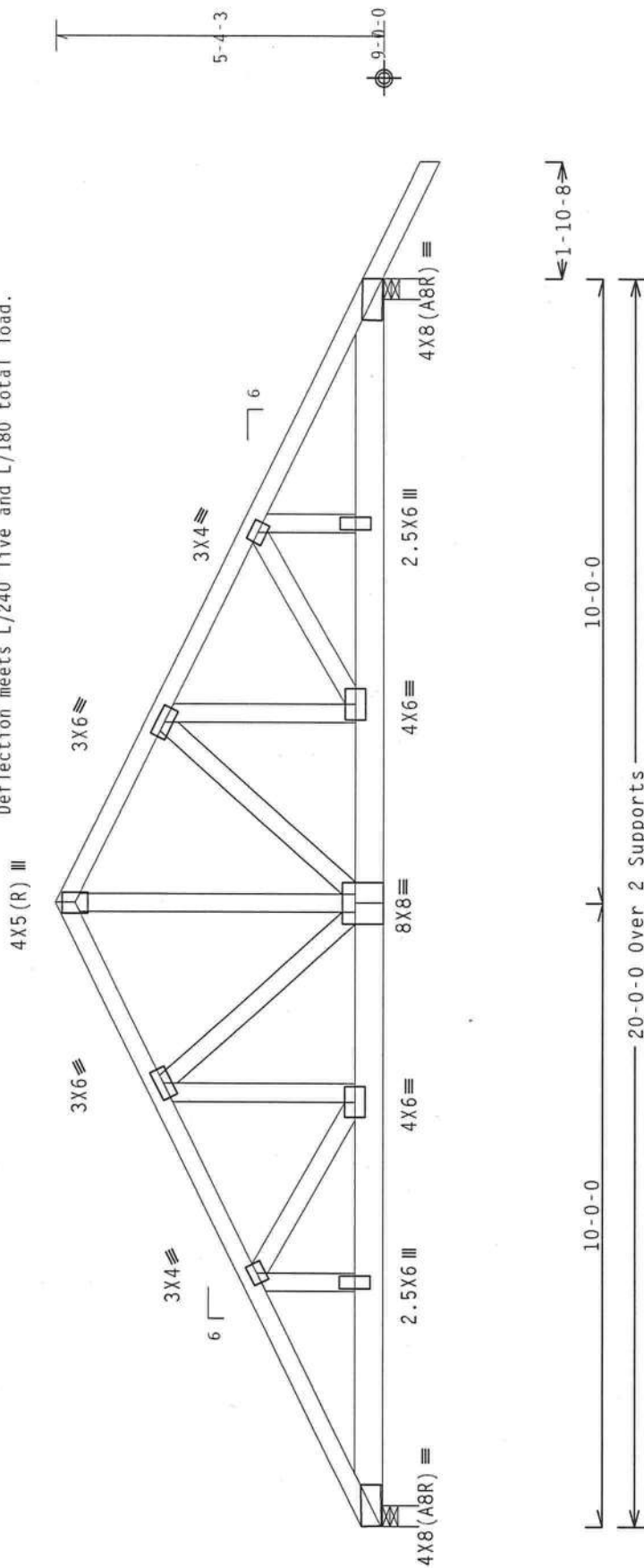
Nail Schedule: 0.131"x3" nails
 Top Chord: 1 Row @ 12.00" o.c.
 Bot Chord: 1 Row @ 4.25" o.c.
 Webs : 1 Row @ 4" o.c.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

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



R-5088 U-1111 W-4"

R-3803 II-1181 W-4"

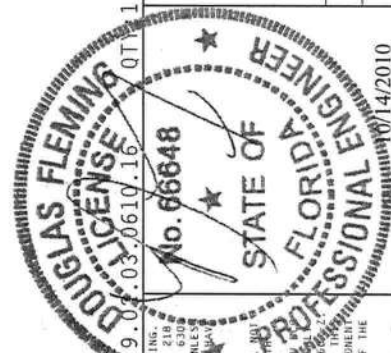
PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
 $FT/RT=20\%(0\%)/0(0)$

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

Scale = .375"/Ft.

TC LL	20.0	PSF	REF R487-- 3302
TC DL	10.0	PSF	DATE 10/14/10
BC DL	10.0	PSF	DRW HCUR487 10287025
BC LL	0.0	PSF	HC-ENG TCE/DF
TOT.LD.	40.0	PSF	SEQN- 68299
DUR.FAC.	1.25		FROM AH
SPACING	24.0"		UREF- 1U61487_Z01



ALPINE

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

(9-244--Fill in later EDGLEY -- , ** - EG1)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2 :B2 2x4 SP #2 Dense:
Webs 2x4 SP #3 :W7 2x4 SP #2 Dense:
:Lt Wedge 2x4 SP #3 :Rt Wedge 2x4 SP #3:

Special loads

Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 plf at -1.88 to 62 plf at 10.00
TC- From 62 plf at 10.00 to 62 plf at 20.00
BC- From 4 plf at -1.88 to 4 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 20.00
BC- 5373.73 lb Conc. Load at 12.73
BC- 1307.47 lb Conc. Load at 14.73
BC- 1362.37 lb Conc. Load at 16.73
BC- 1360.70 lb Conc. Load at 17.94

Roof overhang supports 2.00 psf soffit load.

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

2 COMPLETE TRUSSES REQUIRED

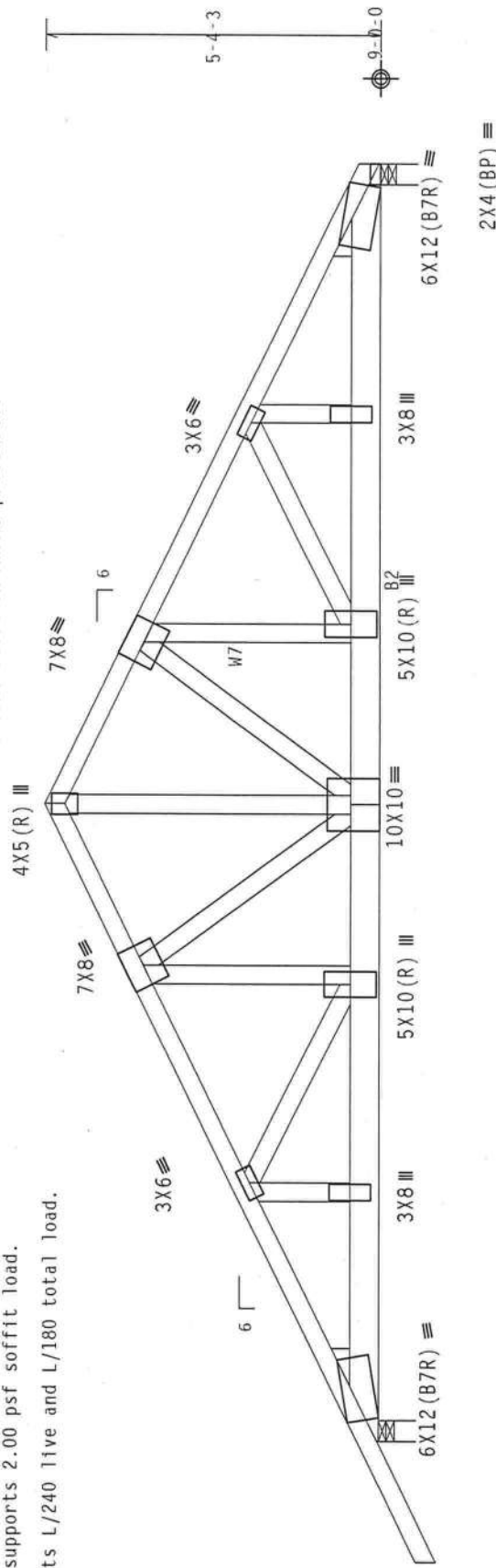
Nail Schedule: 0.131"x3" nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 3.25" o.c.
Webs : 1 Row @ 4" o.c.

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

4" o.c. spacing of nails perpendicular and parallel to
grain required in area over bearings greater than 4"

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind
BC DL=5.0 psf. LW=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.



L=1-10-8

10-0-0

10-0-0

20-0-0 Over 2 Supports

R-3587 U=815 W=4"

R=7590 U=1456 W=4"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%)/0(0)

FL/-/4/-/-/R/- Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487 -- 3303
TC DL	10.0 PSF	DATE	10/14/10
BC DL	10.0 PSF	DRW	HCUSR487 10287031
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT.LD.	40.0 PSF	SEQN-	68305
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1U61487_Z01

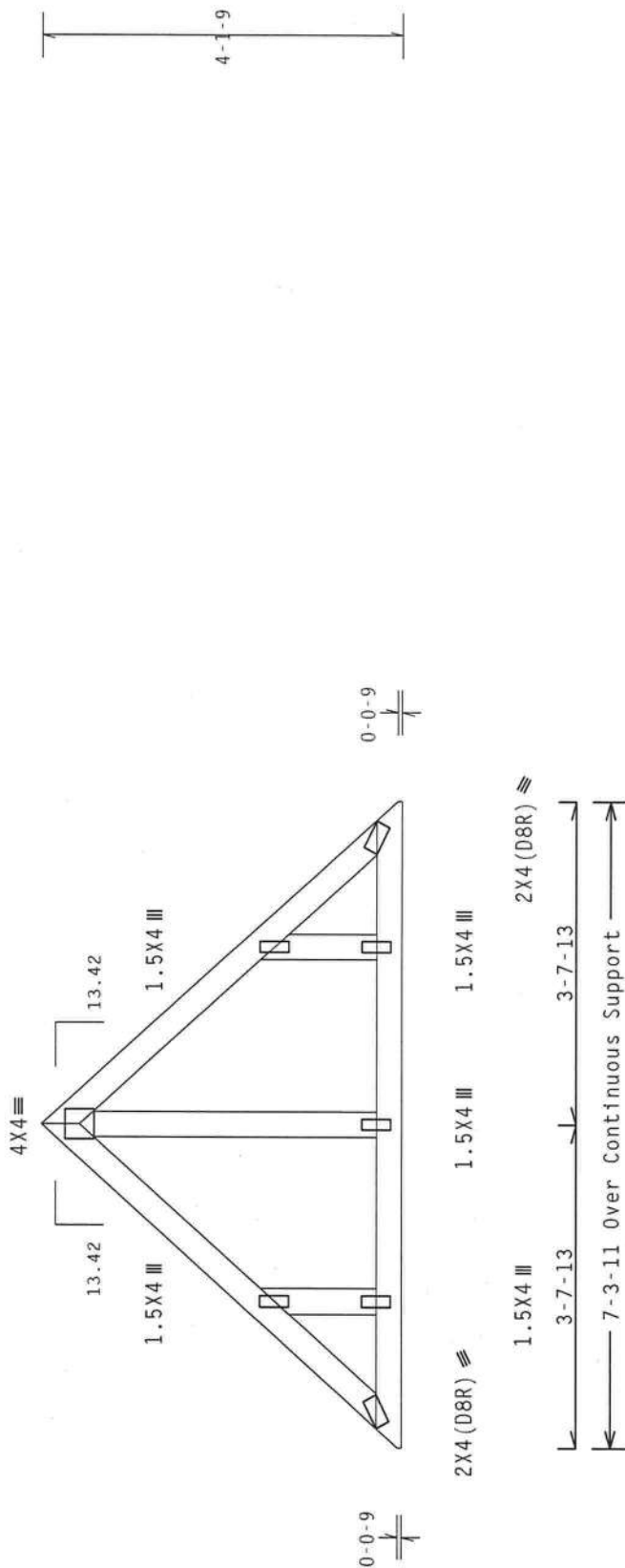


ALPINE

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

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

Note: This design is not to be used as a roof truss. It is only to be used as a roof Hip Frame. See detail HIPFRAME0109 for more information.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=20%(0%)/0(0)

Scale = .5"/Ft.

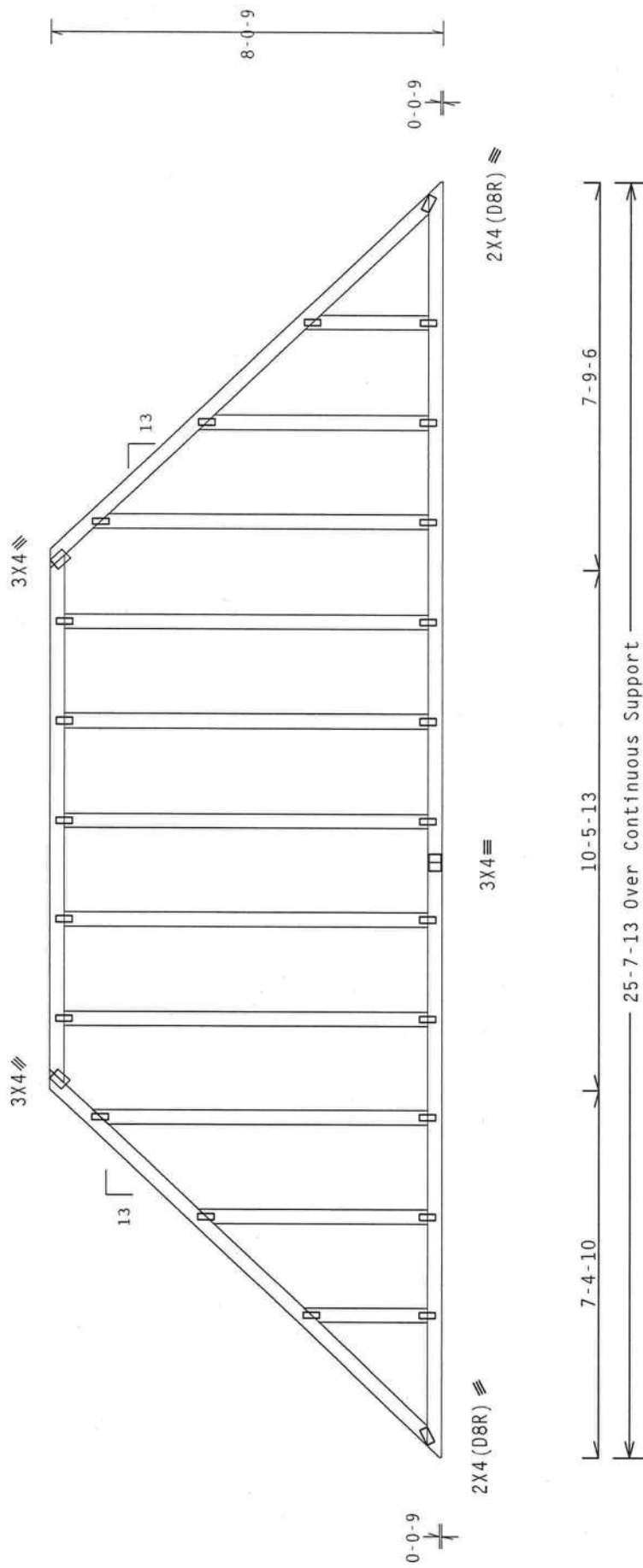
TC LL	20.0	PSF	REF R487-- 3304
TC DL	10.0	PSF	DATE 10/14/10
BC DL	10.0	PSF	DRW HCUR487 10287020
BC LL	0.0	PSF	HC-ENG TCE/DF
TOT.LD.	40.0	PSF	SEQN- 68348
DUR.FAC.	1.25		FROM AH
SPACING	24.0"		JREF- 1UG1487 Z01

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND ERECTING. ALL STEEL JOISTS MUST BE PROPERLY BRACED TO PREVENT BUCKLING. CONTACT THE MANUFACTURER FOR MORE INFORMATION. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304. TEL: 703-836-9900 FAX: 703-836-9901. WWW.FORSAFSA.COM

[illegible]

RECEIVED
JAN 14 2010

Note: This design is not to be used as a roof truss. It is only to be used as a roof Hip Frame. See detail HIPFRAME0109 for more information.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave

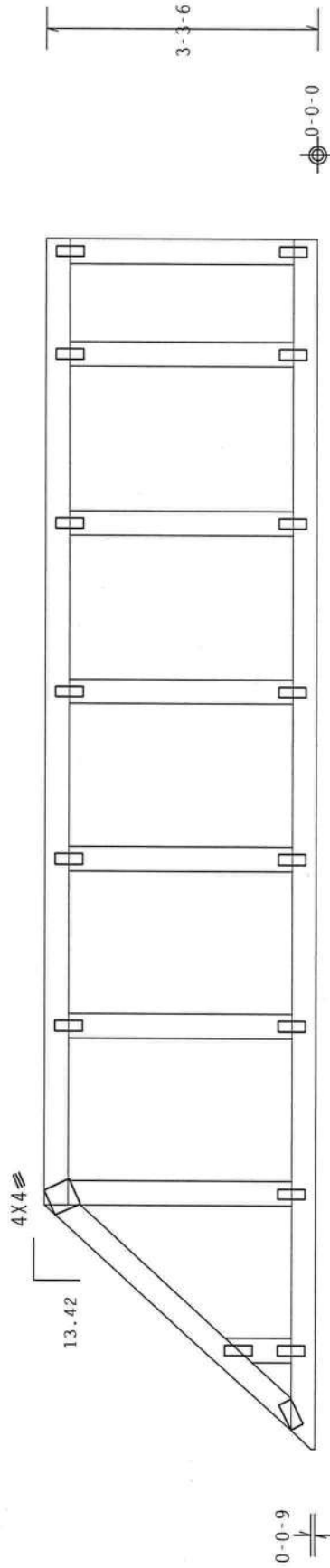
FL/-/4/-/-/R/-
Scale = .3125"/Ft.

[illegible]

(9-244--Fill in later EDGLEY -- , ** - HF3)

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

Note: This design is not to be used as a roof truss.
It is only to be used as a roof Hip Frame.
See detail HIPFRAME0109 for more information.



2X4 (D8R)

0-0-8

11-6-2

14-4-13 Over Continuous Support

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

PLT TYP. Wave

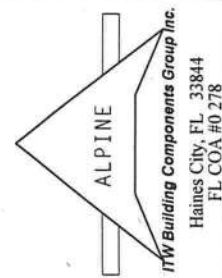
FT/RT=20%(0)/0(0)

FL/-4/-/-R/-

Scale = .5" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND MTCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/16GA (H-H/SS/A) ASTM A552 GRADE 40/60 (H. F/H-SS) GALV. STEEL. APPL. TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE DESIGNER'S CONSENT TO THE TRUSS COMPONENT. THE SEAL IS THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



REF	R487 --	3307
DATE	10/14/10	
DRW	HCUSR487	10287039
HC-ENG	TCE/DF	
SEQN	68351	
FROM	AH	
JREF	1U61487_Z01	

(9-244--Fill in later EDGLEY -- ** - H7G)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind
BC DL=5.0 psf. Iw=1.00 GCpi(+/-)-0.18

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

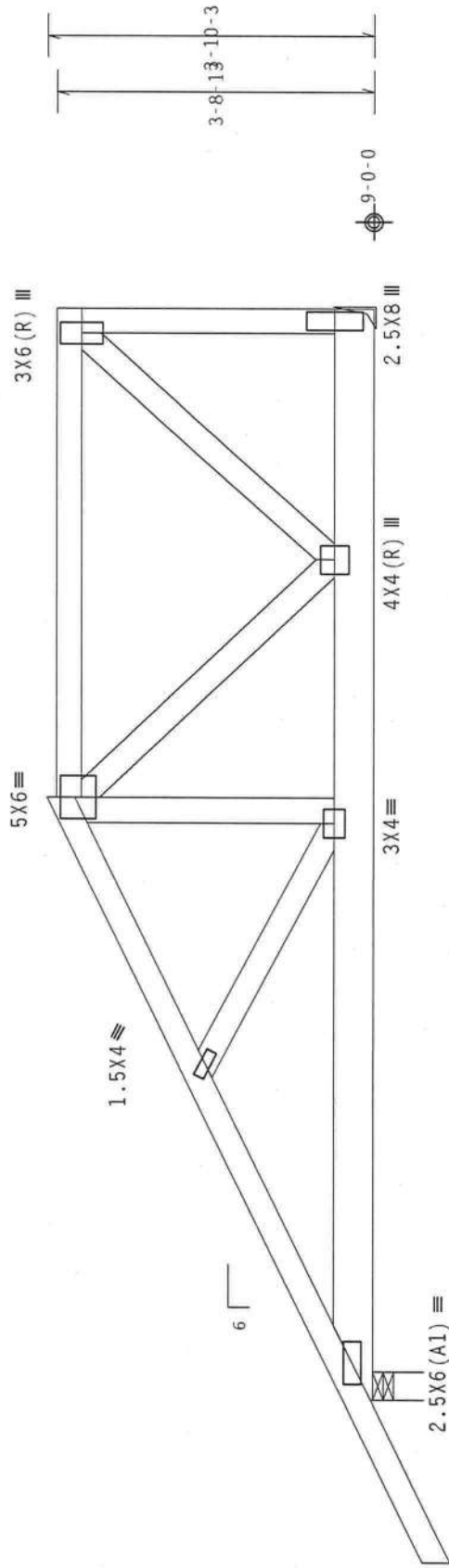
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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 -1.87 to 62 plf at 7.00
TC- From 62 plf at 7.00 to 62 plf at 12.67
BC- From 4 plf at -1.87 to 4 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 12.67
TC- 444.48 lb Conc. Load at 7.03
TC- 194.58 lb Conc. Load at 9.06, 11.06
BC- 491.03 lb Conc. Load at 7.03
BC- 131.47 lb Conc. Load at 9.06, 11.06

Right end vertical not exposed to wind pressure.



1-10-8

7-0-0

5-8-0

12-8-0 Over 2 Supports

R-1221 U-366 W-4"

R-1536 U-437

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=20%(0%)/0(0)

FL/-4/-/-R/-

Scale = .5" / Ft.

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND ERECTING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND METAL HOOK 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.		9.03	03.0610.16	QTY 1
	IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ITW BCG, INC. SHEET 1 OF 1. BE RESPONSIBLE FOR THE TRUSS DESIGN AND THE TRUSS IN COMPLIANCE WITH THE TRUSS DESIGN SPECIFICATIONS. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/16GA (U-H/SS/H) ASTM A553 GRADE 40/60 (H, K/H-SS) GALV. STEEL. APPLICABLE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1002. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE DESIGNER'S ACCEPTANCE OF THE TRUSS COMPONENT. THE SEALING OF THE TRUSS COMPONENT SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT DESIGNER. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.		TC LL	20.0 PSF	REF R487 -- 3308
			TC DL	10.0 PSF	DATE 10/14/10
			BC DL	10.0 PSF	DRW HCUSR487 10287044
			BC LL	0.0 PSF	HC-ENG TCE/DF
			TOT.LD.	40.0 PSF	SEQN - 68311
			DUR.FAC.	1.25	FROM AH
			SPACING	24.0"	JREF- 1U61487_Z01

(9-244--Fill in later EDGLEY -- , ** - H9G)

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

11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

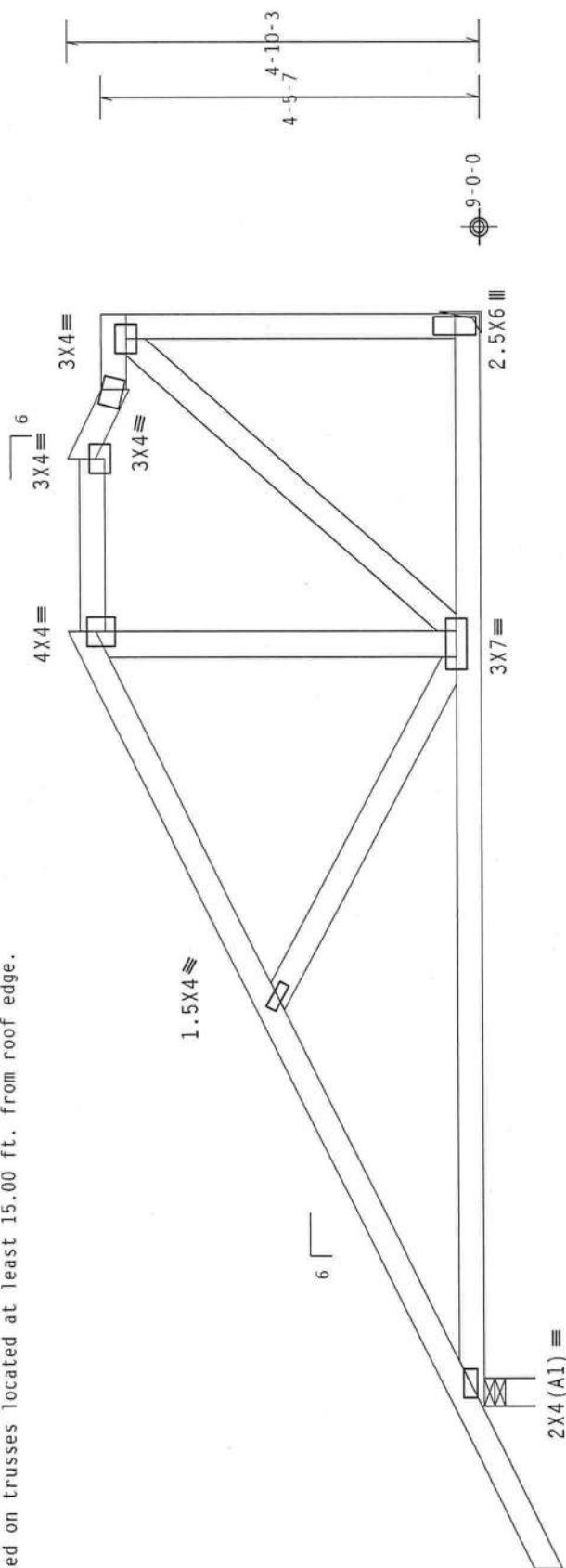
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Right end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

WINDERS loads based on trusses located at least 15.00 ft. from roof edge.



1-10-8

9-0-0

12-8-0 Over 2 Supports

R=664 U=71 W=4"
RL=126/-78

R-505 U-95

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

Scale = .5"/Ft.

PLT TYP.: Wave

WARNING ** TUSSELS REQUIRE EXTREME CARE IN FABRICATING, UNLOADING, SHIPPING, INSTALLING AND BRACING. REFER TO BUSHY (LOADING COMPLETION) AND COMPLEX (UNLOADING) PUBLICATIONS BY TPI (TUSSELS PLATE INSTITUTE) 630020, 630021, 630022, 630023, 630024, 630025, 630026, 630027, 630028, 630029, 630030, 630031, 630032, 630033, 630034, 630035, 630036, 630037, 630038, 630039, 630040, 630041, 630042, 630043, 630044, 630045, 630046, 630047, 630048, 630049, 630050, 630051, 630052, 630053, 630054, 630055, 630056, 630057, 630058, 630059, 630060, 630061, 630062, 630063, 630064, 630065, 630066, 630067, 630068, 630069, 630070, 630071, 630072, 630073, 630074, 630075, 630076, 630077, 630078, 630079, 630080, 630081, 630082, 630083, 630084, 630085, 630086, 630087, 630088, 630089, 630090, 630091, 630092, 630093, 630094, 630095, 630096, 630097, 630098, 630099, 630100, 630101, 630102, 630103, 630104, 630105, 630106, 630107, 630108, 630109, 630110, 630111, 630112, 630113, 630114, 630115, 630116, 630117, 630118, 630119, 630120, 630121, 630122, 630123, 630124, 630125, 630126, 630127, 630128, 630129, 630130, 630131, 630132, 630133, 630134, 630135, 630136, 630137, 630138, 630139, 630140, 630141, 630142, 630143, 630144, 630145, 630146, 630147, 630148, 630149, 630150, 630151, 630152, 630153, 630154, 630155, 630156, 630157, 630158, 630159, 630160, 630161, 630162, 630163, 630164, 630165, 630166, 630167, 630168, 630169, 630170, 630171, 630172, 630173, 630174, 630175, 630176, 630177, 630178, 630179, 630180, 630181, 630182, 630183, 630184, 630185, 630186, 630187, 630188, 630189, 630190, 630191, 630192, 630193, 630194, 630195, 630196, 630197, 630198, 630199, 630200, 630201, 630202, 630203, 630204, 630205, 630206, 630207, 630208, 630209, 630210, 630211, 630212, 630213, 630214, 630215, 630216, 630217, 630218, 630219, 630220, 630221, 630222, 630223, 630224, 630225, 630226, 630227, 630228, 630229, 630230, 630231, 630232, 630233, 630234, 630235, 630236, 630237, 630238, 630239, 630240, 630241, 630242, 630243, 630244, 630245, 630246, 630247, 630248, 630249, 630250, 630251, 630252, 630253, 630254, 630255, 630256, 630257, 630258, 630259, 630260, 630261, 630262, 630263, 630264, 630265, 630266, 630267, 630268, 630269, 630270, 630271, 630272, 630273, 630274, 630275, 630276, 630277, 630278, 630279, 630280, 630281, 630282, 630283, 630284, 630285, 630286, 630287, 630288, 630289, 630290, 630291, 630292, 630293, 630294, 630295, 630296, 630297, 630298, 630299, 630300, 630301, 630302, 630303, 630304, 630305, 630306, 630307, 630308, 630309, 630310, 630311, 630312, 630313, 630314, 630315, 630316, 630317, 630318, 630319, 630320, 630321, 630322, 630323, 630324, 630325, 630326, 630327, 630328, 630329, 630330, 630331, 630332, 630333, 630334, 630335, 630336, 630337, 630338, 630339, 630340, 630341, 630342, 630343, 630344, 630345, 630346, 630347, 630348, 630349, 630350, 630351, 630352, 630353, 630354, 630355, 630356, 630357, 630358, 630359, 630360, 630361, 630362, 630363, 630364, 630365, 630366, 630367, 630368, 630369, 630370, 630371, 630372, 630373, 630374, 630375, 630376, 630377, 630378, 630379, 630380, 630381, 630382, 630383, 630384, 630385, 630386, 630387, 630388, 630389, 630390, 630391, 630392, 630393, 630394, 630395, 630396, 630397, 630398, 630399, 630400, 630401, 630402, 630403, 630404, 630405, 630406, 630407, 630408, 630409, 630410, 630411, 630412, 630413, 630414, 630415, 630416, 630417, 630418, 630419, 630420, 630421, 630422, 630423, 630424, 630425, 630426, 630427, 630428, 630429, 630430, 630431, 630432, 630433, 630434, 630435, 630436, 630437, 630438, 630439, 630440, 630441, 630442, 630443, 630444, 630445, 630446, 630447, 630448, 630449, 630450, 630451, 630452, 630453, 630454, 630455, 630456, 630457, 630458, 630459, 630460, 630461, 630462, 630463, 630464, 630465, 630466, 630467, 630468, 630469, 630470, 630471, 630472, 630473, 630474, 630475, 630476, 630477, 630478, 630479, 630480, 630481, 630482, 630483, 630484, 630485, 630486, 630487, 630488, 630489, 630490, 630491, 630492, 630493, 630494, 630495, 630496, 630497, 630498, 630499, 630500, 630501, 630502, 630503, 630504, 630505, 630506, 630507, 630508, 630509, 630510, 630511, 630512, 630513, 630514, 630515, 630516, 630517, 630518, 630519, 630520, 630521, 630522,

	20	0	DCE
--	----	---	-----

REF R487 -- 3309

TO BE SUBMITTED TO THE BOARD OF DIRECTORS FOR APPROVAL AND ADOPTION BY RESOLUTION. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA., 22314) AND WICA (4000 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

1000

DATE 10/14/10

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. IIM BCG, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS IN CONFORMANCE WITH THE FOLLOWING REQUIREMENTS:

1. FABRICATING, HANDLING, SHIPPING, INSTALLING & SPACING OF TRUSSES. IIM BCG, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS IN CONFORMANCE WITH THE FOLLOWING REQUIREMENTS:

2. DESIGN CONFORM WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC.) BY AISC AND TPI. IIM BCG, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS IN CONFORMANCE WITH THE FOLLOWING REQUIREMENTS:

3. CONNECTOR PLATES ARE TO BE 1/4" THICK AND 48" LONG. IIM BCG, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS IN CONFORMANCE WITH THE FOLLOWING REQUIREMENTS:

4. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-2002 SEC. 3. IIM BCG, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS IN CONFORMANCE WITH THE FOLLOWING REQUIREMENTS:

5. DRAPING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT OF THIS PROJECT. IIM BCG, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS IN CONFORMANCE WITH THE FOLLOWING REQUIREMENTS:

6. ALLOWING DESIGNER PER ANNEX A OF TPI-2002 SEC. 3. IIM BCG, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS IN CONFORMANCE WITH THE FOLLOWING REQUIREMENTS:

70 10.0 P3F

DRW HCU5K48/ 1028/040

[illegible]

0.0 PSF

HC-ENG TCE/DF

DESIGN: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
TYPE: CONNECTIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI.
MATERIALS: STEEL PLATES MADE OF 20/18/16GA. (W/MSS/A) ASTM A663 GRADE 40/60 (N, K/H/S) GALV. STEEL
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED IN THIS DESIGN, POSITION PER DRAWINGS 160A
& 160B. A SEAL ON THIS SIDE OF THE TRUSS COMPONENT SHALL BE USED TO PREVENT CORROSION.
INSPECTION: ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-2002 SEC. 3.
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
SHOWING, THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANNS/TPI 1 SEC. 2.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CONNECTION PLATES MADE OF 20X18/16GSM OR A16S/PTM ASTM A563 GRADE 40760 (K, PHS-S3) GALV. STEEL.
PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE SPECIFIED IN THIS DESIGN, POSITION PER DRAWINGS 160A-
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPII-2002 SEC. 3.-
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
DESIGN SHOWN, THE SUBSTANTIALITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANNEX/TPII 1 SEC. 2.

TOT.LD. 40.0 PSF

SEQN- 68316

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.

0110	EAC	1	25
------	-----	---	----

FROM AH

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

03.01.2006 12:07

FROM ALL

DESIGN SHOWN. THE SOFTWARE AND USE OF THIS SOFTWARE FOR THE DETERMINATION OF THE BEST QUALITY BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

SPACING 24.0"

JREF- 1U61487_Z01

(9-244--Fill in later EDGLEY -- , ** - 6)

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

Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load.

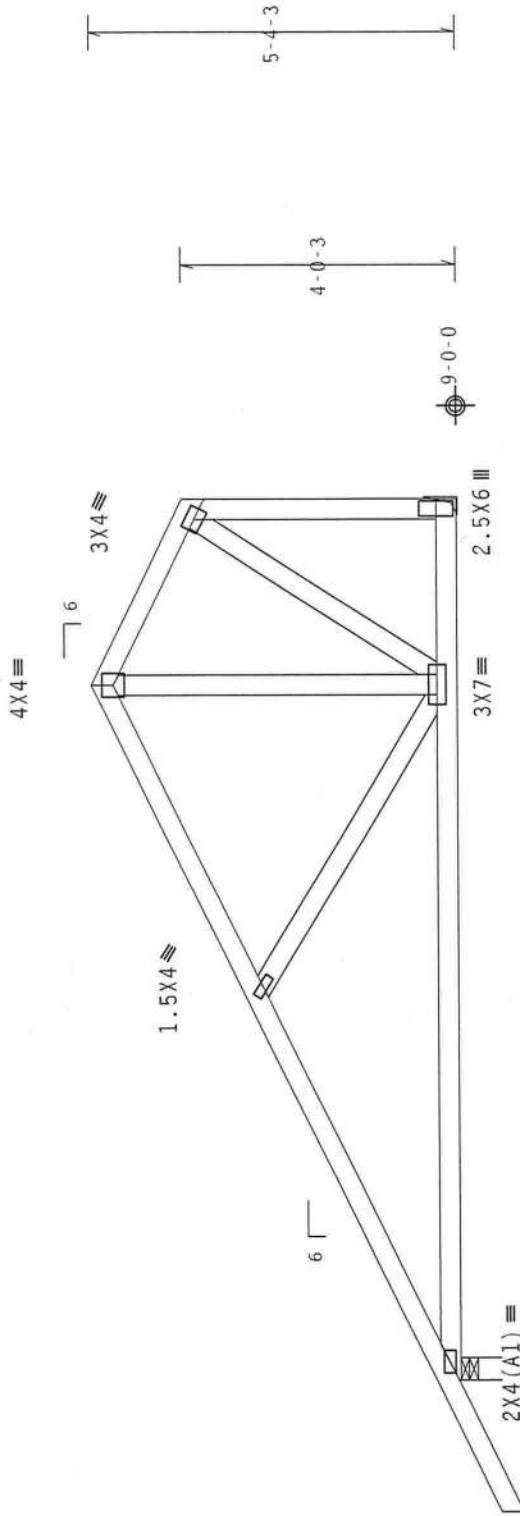
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, 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.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



1'-10'-8"

10'-0'-0"

2'-8'-0"

12'-8'-0" Over 2 Supports

R-664 U=62 W=4"

RL=145/-103

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=20%(0%)/0(0)

Scale = .375"/Ft.

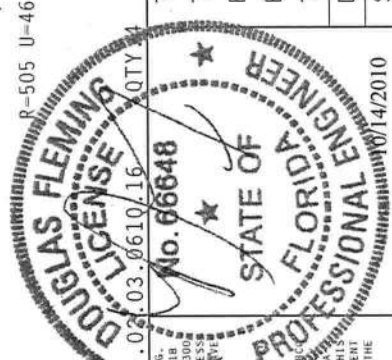
PLT TYP. Wave



rtw Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND HCA (HOOD CORD TRUSSING ASSOCIATION), 100 ENTERPRISE LANE, HOUSTON, TEXAS 77057, FOR THE LATEST INFORMATION ON THE PROPER HANDLING, SHIPPING, AND BRACING OF TRUSSES. A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGNER CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018 TUBULAR STEEL. THE TRUSS IS DESIGNED FOR STEEL JOIST. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	FL/-/4/-/-/R/-	QTY 4	Scale = .375"/Ft.
TC DL	10.0 PSF			REF R487-- 3310
BC DL	10.0 PSF			DATE 10/14/10
BC LL	0.0 PSF			DRW HCUSR487 10287047
TOT.LD.	40.0 PSF			HC-ENG TCE/DF
DUR.FAC.	1.25			SEQN- 68321
SPACING	24.0"			FROM AH
				JREF- 1U61487_Z01

(9-244--Fill in later EDGLEY -- , ** - EJ7)

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

Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load.

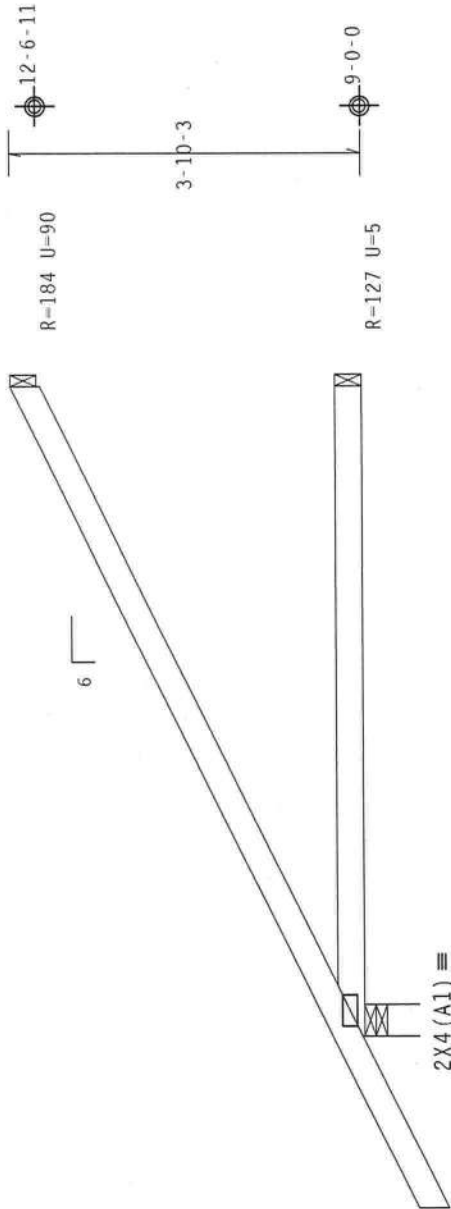
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



← 1-10-8 →
← 7-0-0 Over 3 Supports →
R=440 U-93 W-4"
RL=151/-62

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

Scale = .5" / Ft.



TC LL	20.0 PSF	REF	R487 -- 3311
TC DL	10.0 PSF	DATE	10/14/10
BC DL	10.0 PSF	DRW	HCUSR487 10287051
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT.LD.	40.0 PSF	SEQN -	67650
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1U61487_Z01

ALPINE

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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATFORM INSTITUTION), NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304, FOR TRUSS HANDLING AND BRACING PRACTICES. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES BY AERPAQ AND TPI, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (INTERNATIONAL BUILDING CODES), IBCS 40750 (4.7.5.0) GALT, STEEL, APPROVED FOR CONNECTION FOR TRUSSES AND BRACING. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

(9-244--Fill in later EDGLEY -- . ** - EJ7A)

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

Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load.

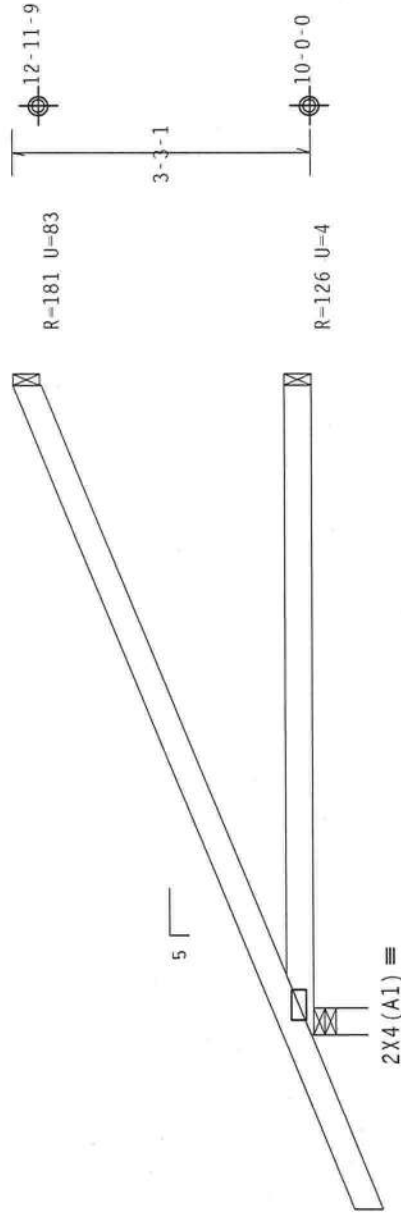
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, 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 (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



1'-10" - 8" →
7'-0" - 0" Over 3 Supports
R=435 U=104 W=3.49"
RL=126/-39

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

Scale = 5" / Ft.

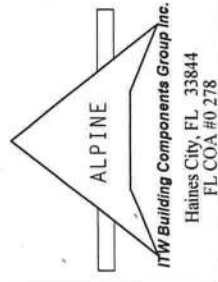
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R487--	3312
DATE	10/14/10	
DRW	HCUSR487	10287028
HC-ENG	TCE/DF	
SEQN-	67570	
FROM	GA	
JREF-	1U61487_Z01	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATFORM INDUSTRIES), 2100 NORTH LEE STREET, SUITE 312, AUSTIN, TEXAS 78741, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL 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 - BY AERPA) AND TPI. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (HORIZONTAL DESIGN) AND AISC (VERTICAL DESIGN). UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

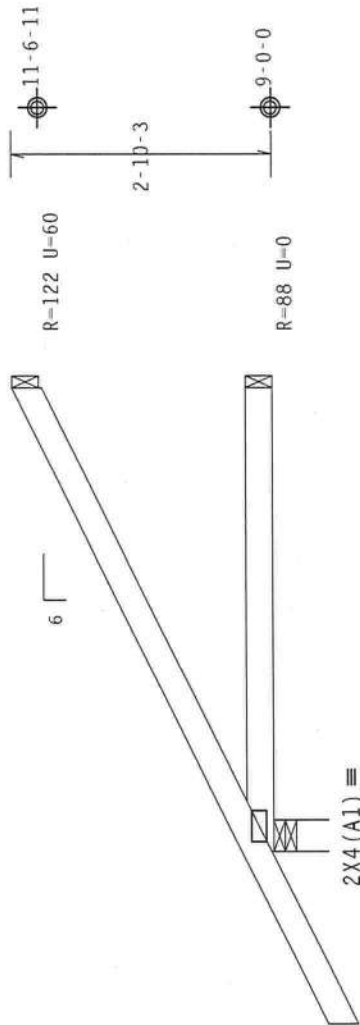


110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



$\leftarrow 1-10-8 \rightarrow$
 $\leftarrow 5-0-0 \text{ Over } 3 \text{ Supports } \rightarrow$
 R-365 U-84 W-4"
 RL-117/-55

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY) INFORMATION, PUBLISHED BY THE TRUSS MANUFACTURING INSTITUTE, 1000 WEST STREET, SUITE 202, ALPHARETTA, GA 30201, (770) 962-3313, FOR CONSTRUCTION AND BRACING REQUIREMENTS. IF ANY OF THE ABOVE PRACTICES ARE NOT FOLLOWED, THE TRUSS COMPANY WILL NOT BE RESPONSIBLE FOR THE TRUSS BEING USED TO PERFORM 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 DETAILATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF ROSESSES. THE TRUSS COMPANY DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE 2010 INTERNATIONAL BUILDING CODE, AS AMENDED BY ASEA/AL AND TPI. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR THE TRUSS BEING USED TO PERFORM THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.L.D. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

REF R487-- 3313

DATE 10/14/10

DRW HCUSR487 10287030

HC-ENG TCE/DF

SEQN- 67653

FROM AH

JREF- 1U61487_Z01

10/14/2010

STATE OF FLORIDA

PROFESSIONAL ENGINEER

ITW Building Components Group Inc.

Haines City, FL 33844

Phone: 888.466.7788

ALPINE

(9-244--Fill in later EDGLEY -- , ** - CJ3)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL-5.0 psf, wind BC DL-5.0 psf. Iw=1.00 GCp1(+/-)=0.18

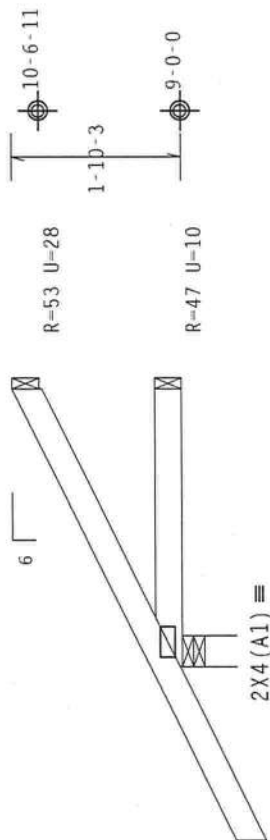
Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



$\leftarrow 1-10-8 \rightarrow$
 $\leftarrow 3-0-0 \text{ Over } 3 \text{ Supports} \rightarrow$

R=303 U=80 W=4"
RL=83/-47

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave

9.02.03.0610/16 QTY: 4 FL/-/4/-/-/R/-

Scale = .5"/Ft.

*WARNING** PUSSIES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BURNING TO BECH. (BURNING OF ANY CATEGORY IS PROHIBITED) PULP BY TPUSS PLATE INSTITUTE 218
ENTERPRISES, INC. 4250 N. CENTRAL AVE. SUITE 2231A, ALEXANDRIA, VA 22314 (4000) TRUSS COUNCIL OF AMERICA, 6300
S. GARDEN AVE. SUITE 100, AUSTIN, TX 78748 (512) 343-1111 FAX: (512) 343-1112
*NOTE: THE FOLLOWING INFORMATION IS FOR YOUR INFORMATION ONLY. IT IS NOT A CONTRACT. THE TRUSS COUNCIL OF AMERICA
DOES NOT GUARANTEE THE QUALITY OF THE TRUSSES. THE TRUSS COUNCIL OF AMERICA IS NOT RESPONSIBLE FOR THE
DESIGN OR CONSTRUCTION OF THE TRUSSES. THE TRUSS COUNCIL OF AMERICA IS NOT RESPONSIBLE FOR THE
PERFORMANCE OF THE TRUSSES. THE TRUSS COUNCIL OF AMERICA IS NOT RESPONSIBLE FOR THE
SAFETY OF THE TRUSSES. THE TRUSS COUNCIL OF AMERICA IS NOT RESPONSIBLE FOR THE
LIFE OF THE TRUSSES. THE TRUSS COUNCIL OF AMERICA IS NOT RESPONSIBLE FOR THE
PROPERLY ATTACHED RIGID CEILING

ING.	No. 66648	TC LL	20.0 PSF
------	-----------	-------	----------

DATE 10/14/10

012
009
6300
★
TC DI
10 0 PSE

DATE 10/14/10

15 3
10 2
5 1
0 0
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10
11 11
12 12
13 13
14 14
15 15
16 16
17 17
18 18
19 19
20 20
21 21
22 22
23 23
24 24
25 25
26 26
27 27
28 28
29 29
30 30
31 31
32 32
33 33
34 34
35 35
36 36
37 37
38 38
39 39
40 40
41 41
42 42
43 43
44 44
45 45
46 46
47 47
48 48
49 49
50 50
51 51
52 52
53 53
54 54
55 55
56 56
57 57
58 58
59 59
60 60
61 61
62 62
63 63
64 64
65 65
66 66
67 67
68 68
69 69
70 70
71 71
72 72
73 73
74 74
75 75
76 76
77 77
78 78
79 79
80 80
81 81
82 82
83 83
84 84
85 85
86 86
87 87
88 88
89 89
90 90
91 91
92 92
93 93
94 94
95 95
96 96
97 97
98 98
99 99
100 100
101 101
102 102
103 103
104 104
105 105
106 106
107 107
108 108
109 109
110 110
111 111
112 112
113 113
114 114
115 115
116 116
117 117
118 118
119 119
120 120
121 121
122 122
123 123
124 124
125 125
126 126
127 127
128 128
129 129
130 130
131 131
132 132
133 133
134 134
135 135
136 136
137 137
138 138
139 139
140 140
141 141
142 142
143 143
144 144
145 145
146 146
147 147
148 148
149 149
150 150
151 151
152 152
153 153
154 154
155 155
156 156
157 157
158 158
159 159
160 160
161 161
162 162
163 163
164 164
165 165
166 166
167 167
168 168
169 169
170 170
171 171
172 172
173 173
174 174
175 175
176 176
177 177
178 178
179 179
180 180
181 181
182 182
183 183
184 184
185 185
186 186
187 187
188 188
189 189
190 190
191 191
192 192
193 193
194 194
195 195
196 196
197 197
198 198
199 199
200 200
201 201
202 202
203 203
204 204
205 205
206 206
207 207
208 208
209 209
210 210
211 211
212 212
213 213
214 214
215 215
216 216
217 217
218 218
219 219
220 220
221 221
222 222
223 223
224 224
225 225
226 226
227 227
228 228
229 229
230 230
231 231
232 232
233 233
234 234
235 235
236 236
237 237
238 238
239 239
240 240
241 241
242 242
243 243
244 244
245 245
246 246
247 247
248 248
249 249
250 250
251 251
252 252
253 253
254 254
255 255
256 256
257 257
258 258
259 259
260 260
261 261
262 262
263 263
264 264
265 265
266 266
267 267
268 268
269 269
270 270
271 271
272 272
273 273
274 274
275 275
276 276
277 277
278 278
279 279
280 280
281 281
282 282
283 283
284 284
285 285
286 286
287 287
288 288
289 289
290 290
291 291
292 292
293 293
294 294
295 295
296 296
297 297
298 298
299 299
300 300
301 301
302 302
303 303
304 304
305 305
306 306
307 307
308 308
309 309
310 310
311 311
312 312
313 313
314 314
315 315
316 316
317 317
318 318
319 319
320 320
321 321
322 322
323 323
324 324
325 325
326 326
327 327
328 328
329 329
330 330
331 331
332 332
333 333
334 334
335 335
336 336
337 337
338 338
339 339
340 340
341 341
342 342
343 343
344 344
345 345
346 346
347 347
348 348
349 349
350 350
351 351
352 352
353 353
354 354
355 355
356 356
357 357
358 358
359 359
360 360
361 361
362 362
363 363
364 364
365 365
366 366
367 367
368 368
369 369
370 370
371 371
372 372
373 373
374 374
375 375
376 376
377 377
378 378
379 379
380 380
381 381
382 382
383 383
384 384
385 385
386 386
387 387
388 388
389 389
390 390
391 391
392 392
393 393
394 394
395 395
396 396
397 397
398 398
399 399
400 400
401 401
402 402
403 403
404 404
405 405
406 406
407 407
408 408
409 409
410 410
411 411
412 412
413 413
414 414
415 415
416 416
417 417
418 418
419 419
420 420
421 421
422 422
423 423
424 424
425 425
426 426
427 427
428 428
429 429
430 430
431 431
432 432
433 433
434 434
435 435
436 436
437 437
438 438
439 439
440 440
441 441
442 442
443 443
444 444
445 445
446 446
447 447
448 448
449 449
450 450
451 451
452 452
453 453
454 454
455 455
456 456
457 457
458 458
459 459
460 460
461 461
462 462
463 463
464 464
465 465
466 466
467 467
468 468
469 469
470 470
471 471
472 472
473 473
474 474
475 475
476 476
477

DRW HCUR487 10287037

STATE OF
BC DL
10.0 PST

HC-ENG TCE/DF

BC LL 0.0 PSF

SEQN-	67656
-------	-------

TOT.LD. 40.0 PSF

FROM AH

DUR. FAC.	1.25
-----------	------

JREF- 1U61487_Z01

THE	SPACING	24.0"
-----	---------	-------

[illegible]

(9-244--F111 in later EDGLEY -- , ** - CJ1)

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

Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load.

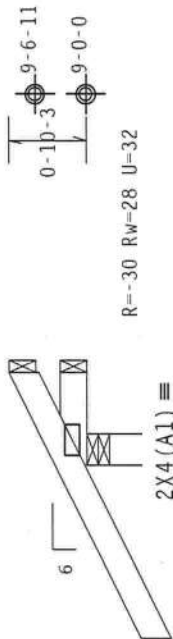
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located
anywhere in roof, CAT II, Exp C, wind TC DL-5.0 psf, wind BC DL-5.0
psf. $I_w=1.00$ GCp1 (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

R=-95 Rw=64 U=90



R=-30 Rw=28 U=32

1'-10-8" →
1'-0-0" over 3 Supports

R=332 U=136 W=4"
RL=48/-40

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave



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



QTY 18	FL/-/4/-/R/-	Scale = .5" / Ft.
TC LL	20.0 PSF	REF R487-- 3316
TC DL	10.0 PSF	DATE 10/14/10
BC DL	10.0 PSF	DRW HCUR487 10287045
BC LL	0.0 PSF	HC-ENG TCE/DF
TOT.LD.	40.0 PSF	SEQN- 67660
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1U61487_Z01

(9-244--Fill in later EDGLEY -- , ** - CJ5A)

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

Roof overhang supports 2.00 psf soffit load.

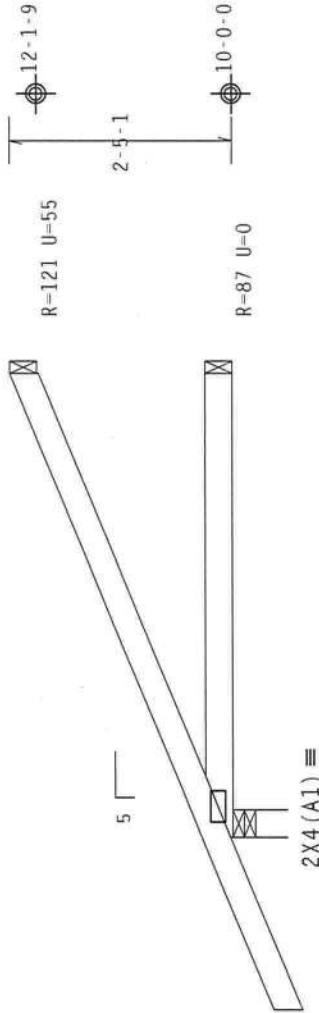
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

Wind reactions based on MWFRS pressures.

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



1-10-8
5-0-0 Over 3 Supports
R=362 U=92 W=3.49"
RL=97/-35

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

Scale = .5" / Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	PLT TYP. Wave				Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=20%(0%)/0(0)				Scale = .5" / Ft.			
	PLT TYP. Wave				Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=20%(0%)/0(0)				Scale = .5" / Ft.			
	PLT TYP. Wave				Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=20%(0%)/0(0)				Scale = .5" / Ft.			
	PLT TYP. Wave				Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=20%(0%)/0(0)				Scale = .5" / Ft.			
	PLT TYP. Wave				Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=20%(0%)/0(0)				Scale = .5" / Ft.			
	PLT TYP. Wave				Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=20%(0%)/0(0)				Scale = .5" / Ft.			

(9-244--Fill in later EDGLEY -- , ** - CJ3A)

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

Roof overhang supports 2.00 psf soffit load.

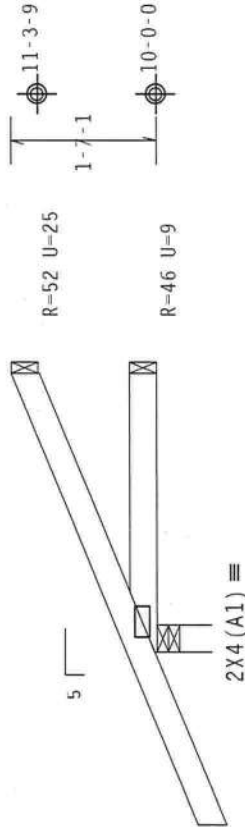
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof. CAT II, Exp C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. W=1.00 GCpl(+/-)-0.18

Wind reactions based on MMFRS pressures.

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



1-10-8
3-0-0 Over 3 Supports

R=299 U=85 W=3.491"
RL=69/-32

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

Scale =.5"/Ft.

REF R487-- 3319

DATE 10/14/10

DRW HCUR487 10287026

HC-ENG TCE/DF

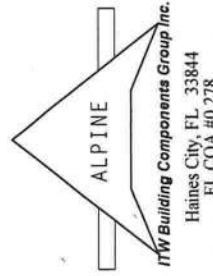
SEQN- 67576

FROM AH

JREF- 1U61487_Z01

****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 WPCA (WOOD PRESERVATION COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, HADISON, NJ 07615) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL MATERIALS SHALL HAVE PROPERLY ATTACHED STRUCTURAL TAPES AND BOTTOM CHORD SHALL BE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. STEEL CONNECTOR PLATES ARE MADE OF 2018/106A (U-4/55/73) ASTM A553 GRADE 40/60 (IN 1/4" & 3/8" GALV. STEEL). ANY INSPECTION OF PLATES FOLLOWED BY THIS SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



(9-244--Fill in later EDGLEY -- , ** - EJ7S)

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

Roof overhang supports 2.00 psf soffit load.

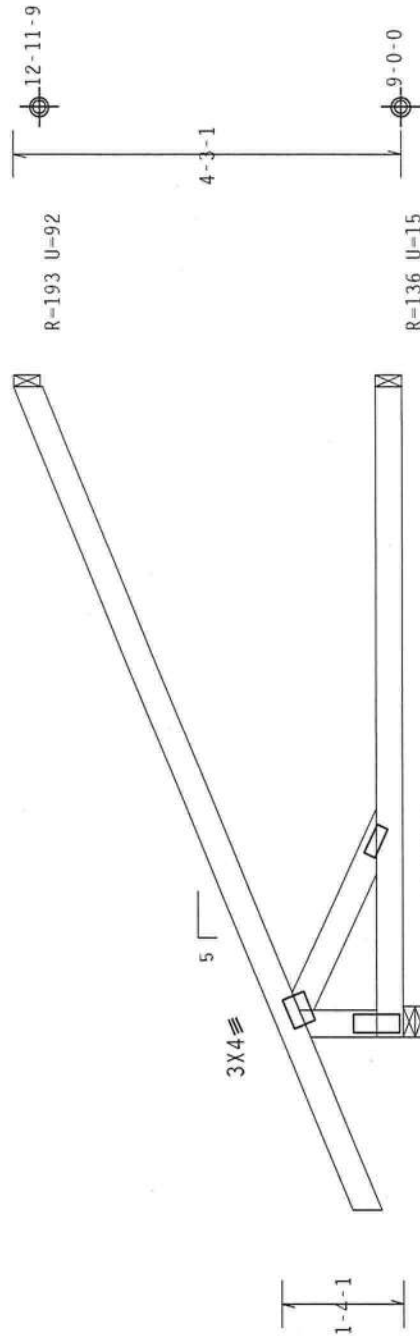
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, Exp C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCp1(+/-)=0.18

Wind reactions based on MWFRS pressures.

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



1-10-8
7-0-0 Over 3 Supports
1-10-8

R=426 U=83 W=3.99"

RL=125/-38

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=20%(0%)/0(0)

PLT TYP. Wave

Scale = .5" / Ft.

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

REF R487-- 3321

DATE 10/14/10

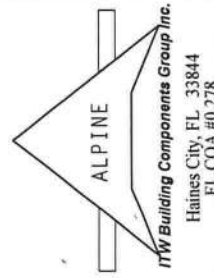
DRW HCUSR487 10287054

HC-ENG TCE/DF *

SEQN- 67647

FROM AH

JREF- 1U61487_Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD INSTITUTE FOR CONSTRUCTION), 6300 ENTERPRISE LANE, HANOVER, MD 21076 FOR SAFETY PRACTICES. THESE INSTRUCTIONS ARE TO BE USED IN CONJUNCTION WITH A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI-STEEL CONNECTOR PLATES ARE MADE IN THE U.S. 2018/1664 (U.S. 2018/1664) ASSOCIATED WITH THIS DESIGN. POSITION PER DRAWINGS IS TO BE FOLLOWED. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

(9-244--Fill in later EDGLEY -- , ** - EJ1.4)

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

Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load.

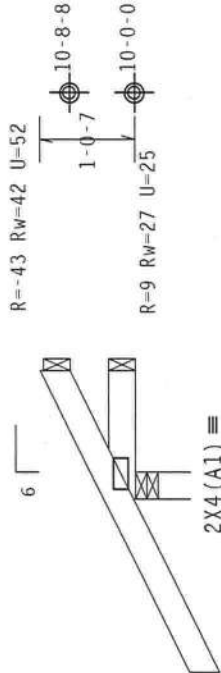
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof. CAT II. Exp C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ Gcpi(+/-)=0.18

Wind reactions based on MMFRS pressures.

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

Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



1-10-8
1-4-8 Over 3 Supports

R=299 U=109 W=3.5"
RL=55/-41

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=20%(0)/0(0)

PLT TYP. Wave

Scale =.5"/Ft.

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

REF R487-- 3322

DATE 10/14/10

DRW HCUR487 10287032

HC-ENG TCE/DF

SEQN- 67805

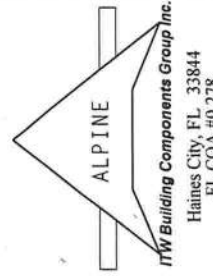
FROM AH

JREF- 1U61487_Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTION), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD INSTITUTE FOR THE COUNCIL OF AMERICA, ENTERPRISE LANE, HADISON, NJ 07610) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHAFTS A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL BE RESPONSIBLE FOR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. 1TH BLDG. CONNECTOR PLATES ARE MADE OF 2018/1664 (W/H/55/73) ASH 40/60 (IN. 8/16/55) GALV. STEEL. APPLY TO EACH FACE OF TRUSS AND BOTTOM CHORD. UNLESS OTHERWISE SPECIFIED, ALL TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHAFTS A PROPERLY ATTACHED RIGID CEILING. 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.



(9-244--Fill in later EDGLEY -- , ** - HJ1.2)

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

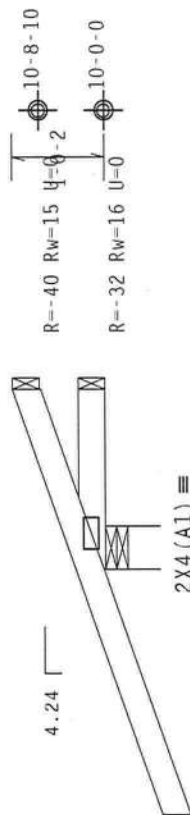
Hipjack supports 1-4-8 setback jacks with no webs.

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

11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpl (+/-)=0.18

Wind reactions based on MWFRS pressures.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



2-7-13
1-11-5 Over 3 Supports
R=218 W=5 657"

Design Crit: FBC2007Res/TPI-2002(STD)

Scale = .5"/Ft.

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

03.0610.16 OT 2

FT/RT=20%(0%) / 0(0)

design of the

BIT TVP Wave

TC LL	20.0	PSF	REF	R487--	3323
TC DL	10.0	PSF	DATE	10/14/10	
BC DL	10.0	PSF	DRW	HCUSR487	10287021
BC LL	0.0	PSF	HC-ENG	TCE/DF	
TOT.LD.	40.0	PSF	SEQN-	59107	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1U61487_Z01	

No. 66848
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
000014/2010

N. HANDLING, SHIPPING, INSTALLING AND ERECTING.
 CONTRACTOR TO BE AWARE OF THE STATE OF NEW YORK
 VICE MAJOR ROUNDS COUNCIL OF AMERICA, P.O. BOX 630
 HATED PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
 THE CONTRACTOR HAS BEEN ADVISED BY THE CONTRACTING
 STRUCTURAL PANELS AND BOTTOM CHORD SECTIONS.
 INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT
 FAILURE TO BUILD THE TRUSS IN CONFORMANCE
 CONTRACTING CODES BY AISC360 AND TPI.
 4052 GRADE 40760 (N. 1/4M35) STEEL, APPROXIMATE
 ON THIS DESIGN, POSITION PER DRAWINGS 100%
 UNLESS AS OF TPI1-2002 SEC.3.
 RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS
 ENTIRE RISK FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

EXE EXTEME CARE IN FABRICATING
COMPONENT SAFETY INFORMATION)
ALEXANDRIA, VA, 22314) AND
1 537/19) FOR SAFETY PRACTICES
SHOULD HAVE PROPERLY ATTACH
CEILING.

****WARNING**** TRUSSES REQUIRE
 REFER TO BGCI (BUILDING CODE
 NORTH LEE STREET, SUITE 312
 ENTERPRISE LANE, MADISON, WI
 OTHERWISE INDICATED TOP CHORD
 A PROPERLY ATTACHED RIGID C

****IMPORTANT****FURNISH A C
 BE RESPONSIBLE FOR ANY DEVIATION
 TPI: OR FABRICATING, HANDLING
 DESIGN CONFORMS WITH APPLICABLE
 CONNECTOR PLATES APE MADE OF
 PLATES TO EACH FACE OF TRUSSES
 ANY INSPECTION OF PLATES FOR
 DRIPPING INDICATES THE SUITAB
 BUILDING SHOWN, THE SUITAB
 DESIGNING DESIGNER PELANSI/

ALPINE

nw Building Components Group Inc.
Haines City, FL 33844
Tel. COA #0 728

(9-244--Fill in later EDGLEY -- , ** - EJ7H)

	Top chord	2x4	SP	#2	Dense
30t	chord	2x4	SP	#2	Dense

Bottom chord checked for 10.00 psf non-concurrent live load.

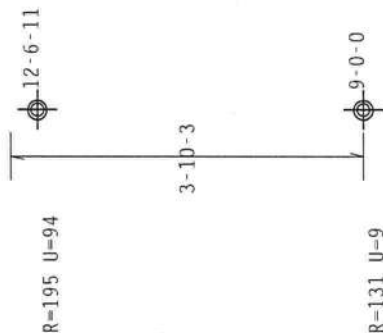
Deflection meets L/240 live and L/180 total load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpf(+/-)=0.18

Wind reactions based on MWFRS pressures.

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.


$$2 \times 4(A1) \equiv$$

7-0-0 Over 3 Supports

R=294 U=41

RL=119/-26

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=20%(0%) / 0(0)

Scale = .5"/Ft.

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

OTY3

03-0610/16

9.0

0(0)

20%

FT/

5

22

ve

TYP

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BOLTING. REFER TO BEST AVAILABLE COMPONENT SAFETY INFORMATION, PUBLISHED BY THE MANUFACTURER, FOR THE FOLLOWING: NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304. THESE PRACTICES APPLY TO CONSTRUCTING THESE TRUSSES. OTHERWISE, INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

9
8
7
6
5
4
3
2
1

100

[illegible]

ALPINE
MW Building Components Group Inc.
 Haines City, FL 33844

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

Laines City, FL 33844
FL COA #0278

1000

(9-244--Fill in later EDGLEY --, ** - EJ7G1)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #5
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, Exp C, wind TC DL=5.0 psf, wind
BC DL=5.0 psf. Iw=1.00 GCpi(+/-)-0.18

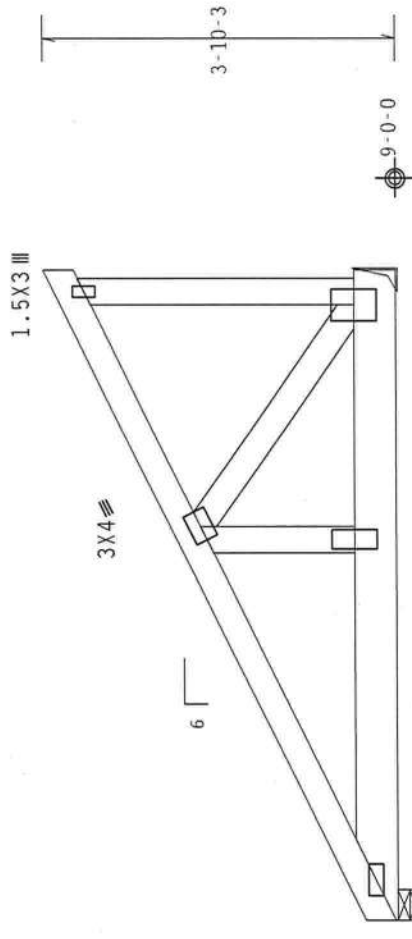
Wind reactions based on MWFRS pressures.

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
BC- From 20 plf at 0.00 to 20 plf at 7.00
BC- 293.51 lb Conc. Load at 1.40, 3.40, 5.40

Right end vertical not exposed to wind pressure.

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



4'-1'-4" 2'-8'-0" 2'-10'-12"
4'-1'-4" 2'-10'-12"
7'-0'-0" Over 2 Supports
R-749 U=143 W=4"

R-708 U=136 H-Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.162"x3.5" nails in Girder
w/ (6) 10d Common, 0.162"x3.5" nails in Girder
w/ (6) 10d Common, 0.162"x3.5" nails in Girder
w/ (6) 10d Common, 0.162"x3.5" nails in Girder

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=20%(0%)/0(0)

Scale = .5" / Ft.

PLT TYP. Wave

ALPINE FL COA #0 278 rtw Building Components Group Inc. Haines City, FL 33844	No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 07/14/2010		TC LL 20.0 PSF	REF R487 -- 3325
			TC DL 10.0 PSF	DATE 10/14/10
			BC DL 10.0 PSF	DRW HCUSR487 10287007
			BC LL 0.0 PSF	HC-ENG KD/DF
			TOT.LD. 40.0 PSF	SEQN- 151536
			DUR.FAC. 1.25	FROM AH
		SPACING 24.0"	JREF- 1U61487_Z01	

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 630 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA&P) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/1664 (W, H/55/3) ASTM A653 GRADE 40/60 (H, K/M-SS) GALV. STEEL. ADHERE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AS PER 11-2002 (REC. 3) FOR THE TRUSS COMPANY. DRAWING INDICATES THE RELIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

(9-244--Fill in later EDGLEY --, ** - EJ7G)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind
BC DL=5.0 psf. Iw=1.00 GCpf(+/-)=0.18

Wind reactions based on MWFRS pressures.

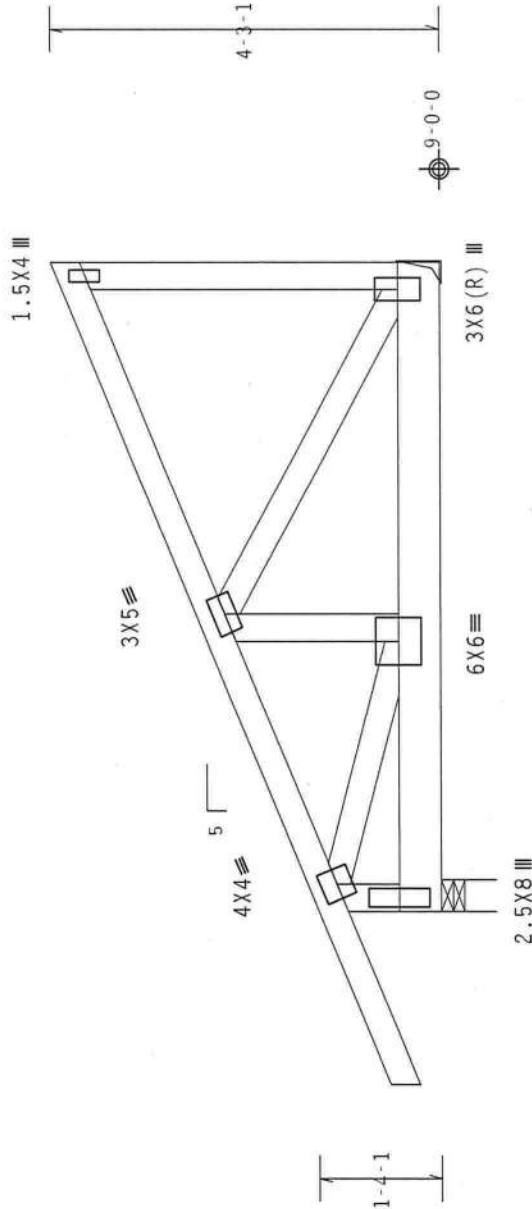
Deflection meets L/240 live and L/180 total load.

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 plf at -1.88 to 62 plf at 7.00
BC- From 4 plf at -1.88 to 4 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 7.00
BC- 713.79 lb Conc. Load at 1.06, 3.06, 5.06

Right end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.



1-10-8
7-0-0 Over 2 Supports
R=1631 U=326 W=4"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

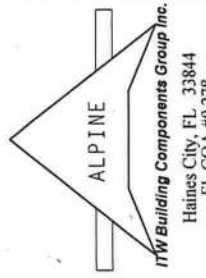
FL/-4/-/-R/-

Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R487--	3326
TC DL	10.0 PSF	DATE	10/14/10	
BC DL	10.0 PSF	DRW	HCUSR487	10287014
BC LL	0.0 PSF	HC-ENG	TCE/DF	
TOT.LD.	40.0 PSF	SEQN-	68171	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1U61487_Z01	

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6201 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.



(9-244--Fill in later EDGLEY -- , ** - KGE)

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

```

Stack Chord SC1 2x4 SP #2 Dense::Stack Chord SC2 2x4 SP #2 Dense:

```

Roof overhang supports 2.00 psf soffit load.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

Stacked top chord must NOT be notched or cut in area (INNL). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6 tie-plates.

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Tw=1.00 GCpl(+/-)=0.18

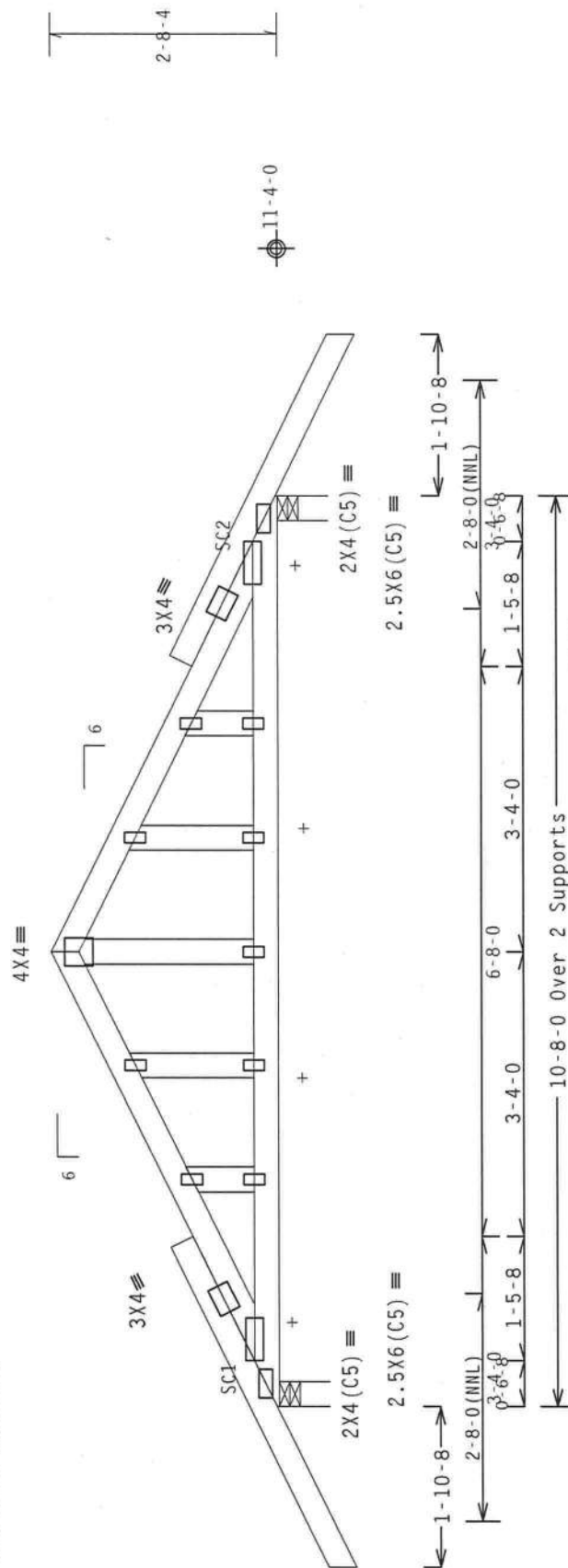
Wind reactions based on MWFRS pressures.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

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

+ MEMBER TO BE Laterally Braced for Out of Plane Wind Loads.
Bracing System to be Designed and Furnished by Others.



R=648 U=299 W=3.5"
RL=140/-140

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

PIT TYP. Wave

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

Scale = .5"/Ft.

[illegible]

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16 GA. (IN/US/SS) LATH A653 GRADE 40/60 (IN. K/H/SS) GALV. STEEL. APPLICABLE TO ALL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2 THROUGH 100A-10. THE DESIGNER SHALL BE RESPONSIBLE FOR PROVIDING A SEAL ON THIS PLATE TO PREVENT CORROSION OF THE TRUSS COMPONENTS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-2002 SEC. 3.1. THE DESIGNER SHALL BE RESPONSIBLE FOR PROVIDING AN OPERATING INDICATOR TO INDICATE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1. SEC. 2.

TC 11	20.0 PSE
-------	----------

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

10.0 PSF

3C DL 10.0 PSF

0.0 PSF

	100
TOTAL	<u>100</u>

40.00 PSF

OUR.FAC. 1.25

SPACING 24.0"

(9-244--Fill in later EDGLEY -- , ** - K)

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

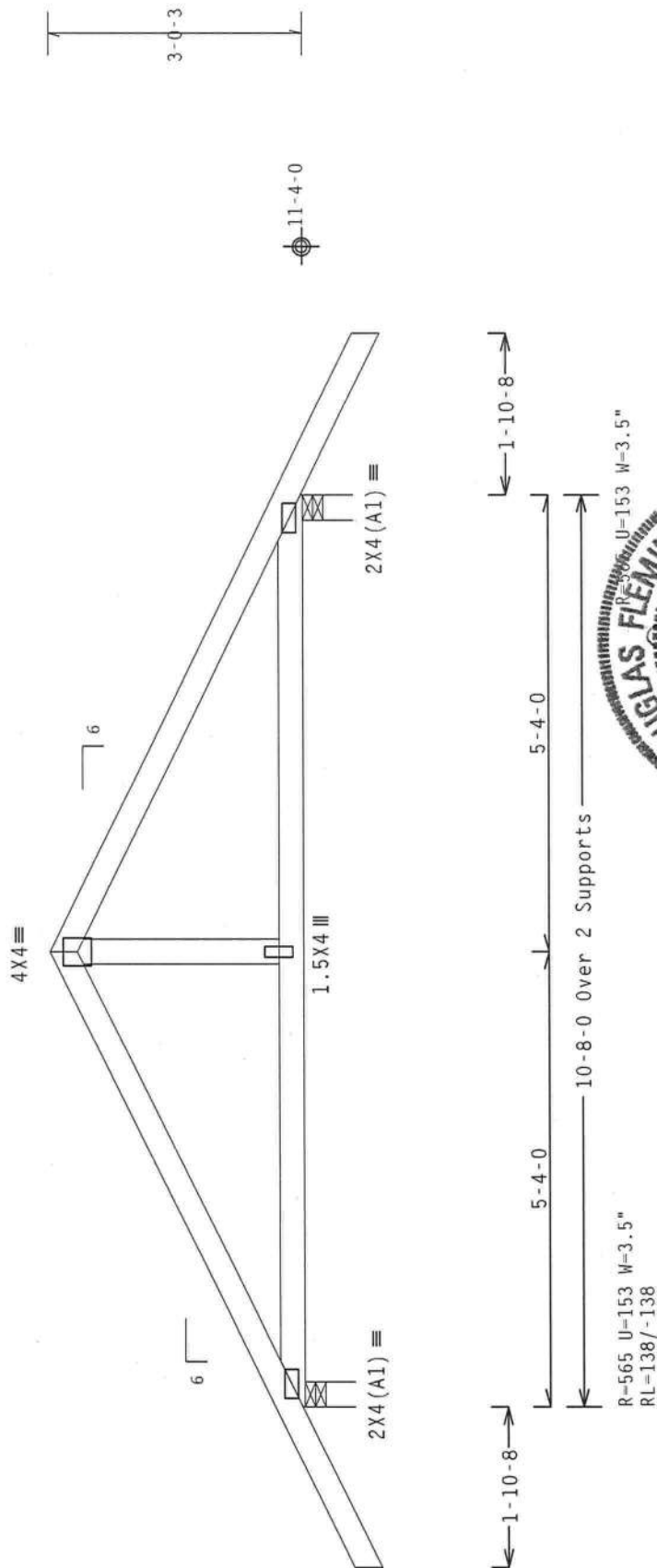
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located
anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0
psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MMFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=20%(0%)/0(0)

Scale = .5" / Ft.

FL/-4/-/-R/-

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

REF R487-- 3328

DATE 10/14/10

DRW HCUSR487 10287024

HC-ENG TCE/DF

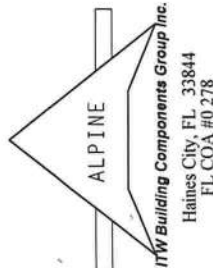
SEQN- 68325

FROM AH

JREF- 1U61487_Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL BE RESPONSIBLE FOR VERIFICATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/10GA (IN, W/SS/A) ASTM A653 GRADE 40/60 (IN, K/P, SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. LOCAL INSPECTION OF PLATES FOLLOWED BY VISUAL INSPECTION OF THE TRUSS SHALL BE SUFFICIENT TO VERIFY THE DESIGN. DESIGN SHOWN THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

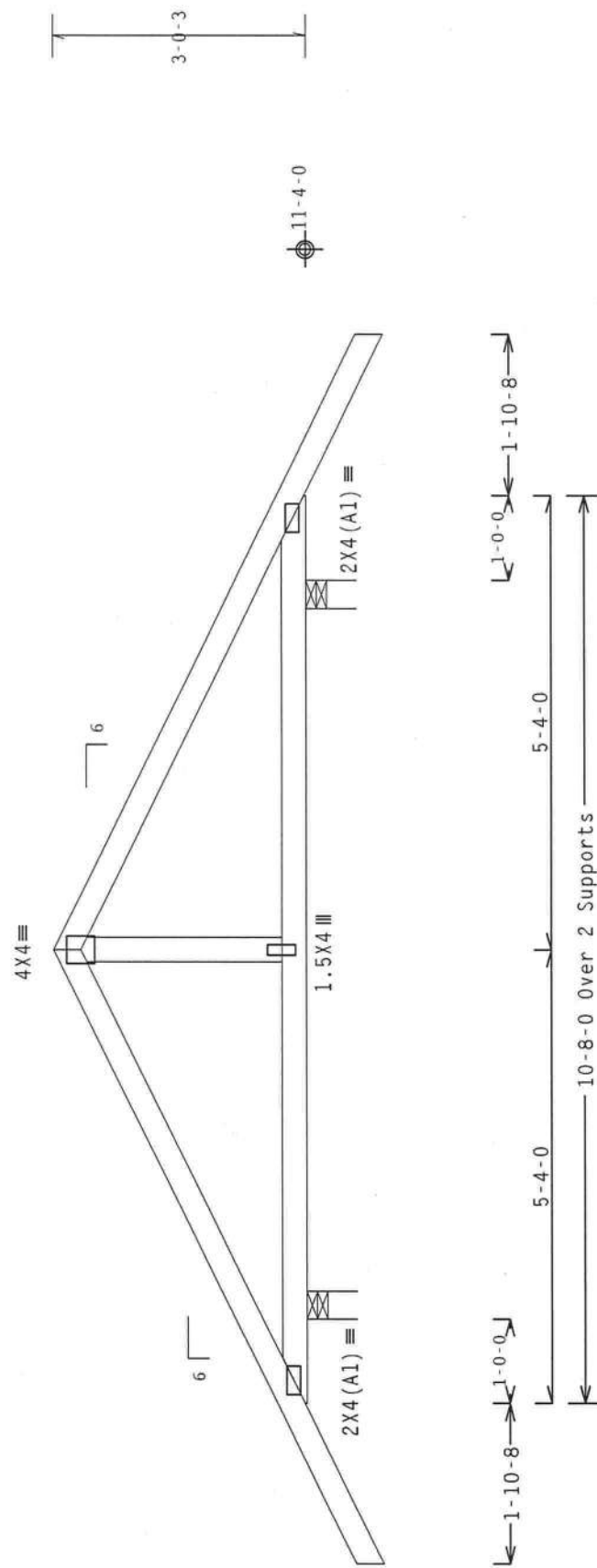


THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)=0.18

Wind reactions based on MWFRS pressures.

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



R=565 U=146 W=4"
RL=138/-138

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

Scale = .5"/Ft.

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

16

9.

 $FT/RT=20\%(0\%)/0(0)$

Design Critique

Wave

p17

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND UNLOADING. REFER TO STEEL BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND THE FOLLOWING PRECAUTIONS MUST BE OBSERVED:

1. PERSONNEL RESPONSIBLE FOR MOVING CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHOWN TO BROTHERY ATTACHED MAJOR FIELD JOINT.

EXTREME CARE IN FA
COMPONENT SAFETY INFO
ALEXANDRIA, VA. 22
53719) FOR SAFET
SHALL HAVE PROPER
TIMING

****WARNING**** TRUSSE
REFER TO BCST 190
NORTH LEE STREET, SE
ENTERPRISE LANE, MAI
OTHERWISE INDICATED
A PROPERLY ATTACHED

5

1

[illegible]

**COPY OF THIS DESIGN INFORMATION FROM THIS DESTROYED BY THE NATIONAL ARCHIVES, SHIPING, INSTA-
BLE PROVISIONS OF N
F 20/18/16GA (H.H./SS
AND UNLESS OTHER
LOWED BY (1) SHALL
E OF PROFESSIONAL E
LITY AND USE OF THI
PI 1 SEC. 2.**

*****IMPORTANT** FURNISHING**
BE RESPONSIBLE FOR THE
TYPING, OR FABRICATING
DESIGN CONFORMS WITH
CONNECTOR PLATES AND
PLATES TO EACH FACE
ANY INSPECTION OF
DRAWING INDICATES A
DESIGN SHOWN. THE
BUILDING DESIGNER PH

ALPINE
ing Components Group
City, FL 33844



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

Haines City, FL 33844
FL COA #0278

(9-244--Fill in later EDGLEY -- , ** - KG)

Top chord 2x4 SP #2 Dense

Bot chord 2x6 SP SS

Webbs 2x4 SP #3

:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

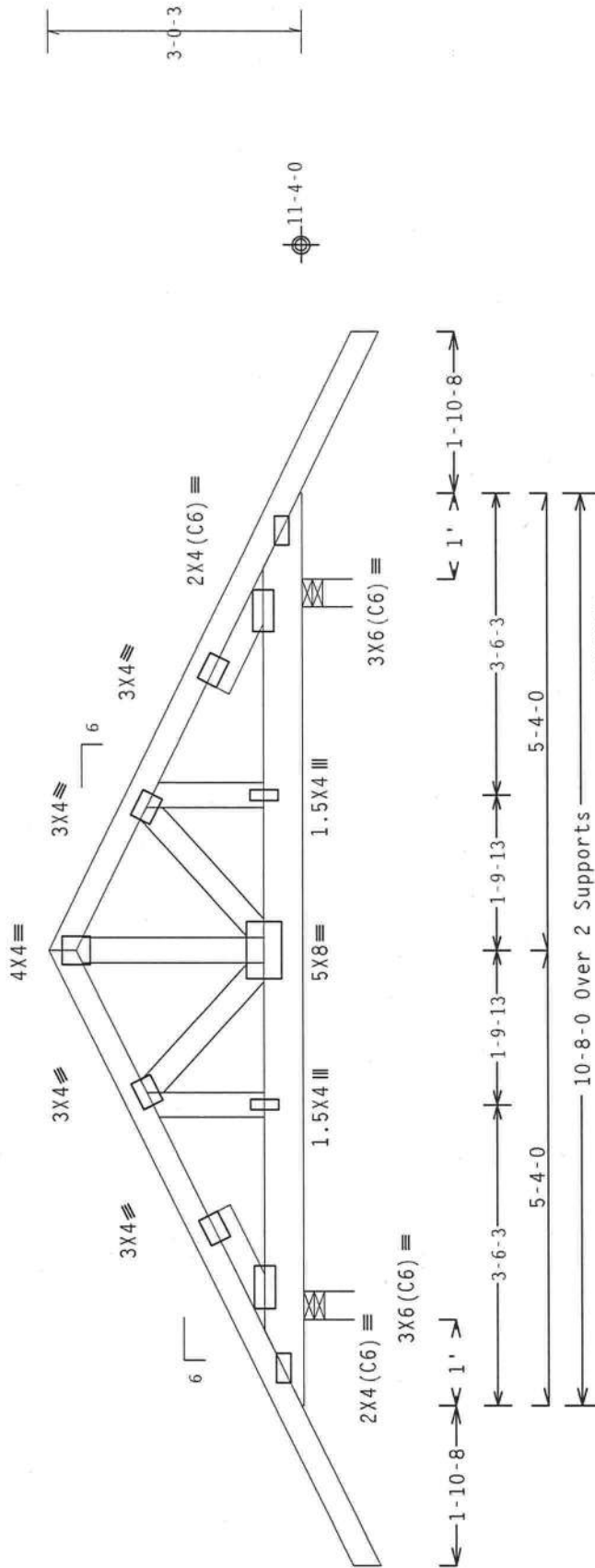
Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP C, wind TC DL-5.0 psf, wind BC DL-5.0 psf. IW=1.00 GCpl(+/-)-0.18

Wind reactions based on MMFRS pressures.

Girder supports 28-0-0 span to BC one face and 2-0-0 span to TC/BC split opposite face.



R-3388 U=893 W=4"

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=20%(0%)/0(0)

Scale = 5" / Ft.

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

TY: 03-03-0319-17

No. 06648

REF R487-- 3330

DATE 10/14/10

DRW HCUSR487 10287012

HC-ENG KD/DF

SEQN- 151011

FROM AH

JREF- 1U61487_Z01

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (U/H/SS/73) ASTM A653 GRADE 40/60 (H, 6/16/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED OR NOTED, POSITION PER DRAWING. THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278



(9-244--Fill in later EDGLEY -- , ** - H1.4L)

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

Roof overhang supports 2.00 psf soffit load.

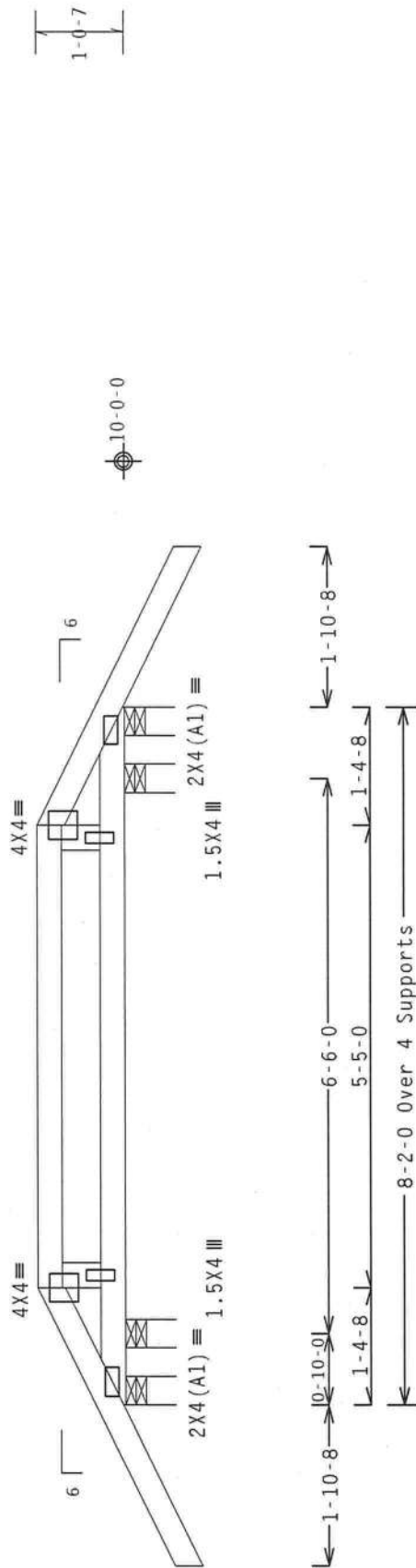
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located
anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0
psf. 1w=1.00 GCpf (+/-)-0.18

Wind reactions based on MWFRS pressures.

#1 hip supports 1-4-8 jacks with no webs.



R-315 U=130 W=4"
R-147 U=22 W=4"

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=20%(0%)/0(0)

PLT TYP. Wave

Scale =.5"/Ft.

REF R487-- 3331

DATE 10/14/10

DRW HCUSR487 10287060

HC-ENG TCE/DF

SEQN- 68342

FROM AH

JREF- 1U61487_Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6308 ENTERPRISE LANE, HADISON, NJ 07610 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL BE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/1064 (U-M/SS74) ASTM A653 GRADE 40/60 (U-M/SS74) GALV. STEEL. ALL PLATES SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3.1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3.1. 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.

