

APPLICANTMITCHELL SAADPHONE386.454.7298

ADDRESS349SW THORNE LANEF.T. WHITEFL32038

OWNERMITCHELL SAADPHONE386.454.7298

ADDRESS349SW THORNE LANEF.T. WHITEFL32038

CONTRACTORMITCHELL SAADPHONE386.454.7298

LOCATION OF PROPERTY47-S TO US 27-S TO C-138,TR TO FIRST L AFTER TURN, TO THORNE  
TR, AND IT' TH 4TH PLACE ON R.

TYPE DEVELOPMENTSCREEN ROOM ADDITIONESTIMATED COST OF CONSTRUCTION122050.00

HEATED FLOOR AREAL699.00TOTAL AREAL2441.00HEIGHTSTORIES

FOUNDATIONWALLSROOF PITCHFLOOR

LAND USE & ZONINGA-3MAX. HEIGHT

Minimum Set Back Requirments:STREET-FRONT30.00REAR25.00SIDE25.00

NO. EX.D.U.1FLOOD ZONEXDEVELOPMENT PERMIT NO.

PARCEL ID30-7S-17-10058-121SUBDIVISIONSFRP

LOT11BLOCKPHASEUNITTOTAL ACRES

Culvert Permit No.Culvert WaiverContractor's License NumberApplicant/Owner/Contractor

EXISTINGX-08-015BLKJTHN

Driveway ConnectionSeptic Tank NumberLU & Zoning checked byApproved for IssuanceNew Resident

COMMENTS:1 FOOT ABOVE ROAD. NO IMPACT FEE. ADDITION TO EXISTING STRUCTURE

Check # or Cash2920

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary PowerFoundationMonolithic

Under slab rough-in plumbingSlabSheathing/Nailing

FramingRough-in plumbing above slab and below wood floor

Electrical rough-inHeat & Air DuctPeri. beam (Lintel)

Permanent powerC.O. FinalCulvert

M/H tie downs, blocking, electricity and plumbingPool

ReconnectionPump poleUtility Pole

M/H PoleTravel TrailerRe-roof

BUILDING PERMIT FEE \$615.00CERTIFICATION FEE \$12.21SURCHARGE FEE \$12.21

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

FLOOD DEVELOPMENT FEE \$FLOOD ZONE FEE \$25.00CULVERT FEE \$TOTAL FEE714.42

INSPECTORS OFFICECLERKS OFFICE

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

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

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

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

**Columbia County Building Permit Application**

**For Office Use Only** Application # 0802-30 Date Received 2/25 By JW Permit # 26816  
 Zoning Official BLK Date 03.03.08 Flood Zone X FEMA Map # MA Zoning A-3  
 Land Use A-3 Elevation N/A MFE MA River MA Plans Examiner OK JH Date 2-29-08  
 Comments No Impact Fee. Addition to existing Structure

☒ NOC ☒ EH ☒ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # \_\_\_\_\_  
☐ Dev Permit # \_\_\_\_\_ ☐ In Floodway ☐ Letter of Authorization from Contractor  
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. X08-015 Cell # 386.365.5827

Name Authorized Person Signing Permit Mitchell Saad Phone 386 454-7298

Address 349 SW Thorne Lane, Ft White, FL 32038

Owners Name Mitchell Saad Phone 386-454-7298

911 Address 349 SW Thorne Lane, Ft White, FL 32038

Contractors Name Owner Phone 386-454-7298

Address Same as above

Fee Simple Owner Name & Address Mitchell Saad 349 SW Thorne Lane Fort White Florida

Bonding Co. Name & Address \_\_\_\_\_

Architect/Engineer Name & Address Nicholas Paul Gerler 1758 NW Brown Rd Lake City FL

Mortgage Lenders Name & Address Bank of America

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

Property ID Number 30-75-17-10058-121-HX Estimated Cost of Construction \$30,000

Subdivision Name Santa Fe River Plantation Lot 11 Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase \_\_\_\_\_

Driving Directions South on US 27, 8 miles S. of Ft White. Right on CR 138.

First left after Turn. Down to Thorne Lane. Right on Thorne.

4th house on Right Number of Existing Dwellings on Property 1

Construction of 1 SCREEN ROOM Addition Total Acreage 1.84 Lot Size 1.84

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 13'

Actual Distance of Structure from Property Lines : Front 50' Side 50' Side 200' Rear 40'

Number of Stories 1 Heated Floor Area 1699 Total Floor Area 2441 Roof Pitch 4/12

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# - 2920 -



# COLUMBIA COUNTY BUILDING DEPARTMENT

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

## NOTARIZED DISCLOSURE STATEMENT

### FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved for yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that if I am not physically doing the work or physically supervising free labor from friends or relatives, that I must hire licensed contractors, i.e. electrician, plumber, mechanical (heating & air conditioning), etc. I further understand that the violation of not physically doing the work, and the use of unlicensed contractors at the construction site, will cause the project to be shut down by the inspection staff of the Columbia County Building Department. Additionally, state statutes allows for additional penalties. I also understand that if this violation does occur, that in order for the job to proceed, I will have a licensed contractor come in and obtain a new permit as taking the job over. I understand that if I hire subcontractors under a contract price, that they must be licensed to work in Columbia County, i.e. masonry, drywall, carpentry. Contractors licensed by the Columbia County Contractor Licensing Section or the State of Florida are required to have worker's compensation and liability coverage.

#### TYPE OF CONSTRUCTION

- ( ) Single Family Dwelling      ( ) Two-Family Residence      ( ) Farm Outbuilding  
 ( ) Other \_\_\_\_\_ ☒ Addition, Alteration, Modification or other Improvement

I, Mitchell Reed, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number \_\_\_\_\_

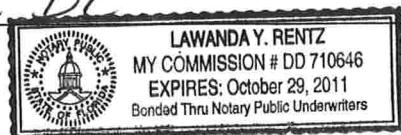
Owner Builder Signature

Date

#### FLORIDA NOTARY

The above signer is personally known to me or produced identification FL DL

Notary Signature Lawanda Y. Rentz Date 02-25-08

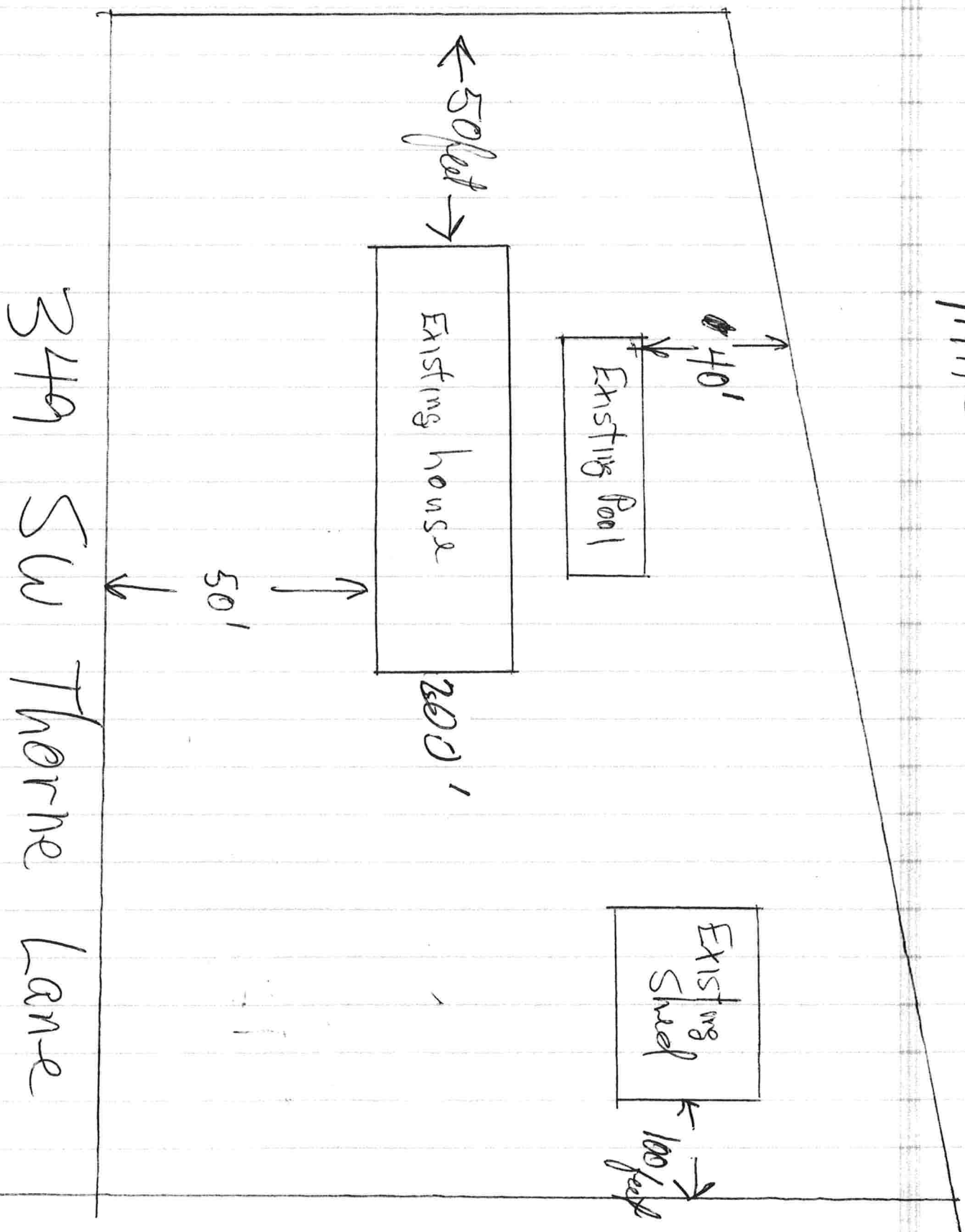


#### FOR BUILDING DEPARTMENT USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7). Date \_\_\_\_\_ Building Official/Representative \_\_\_\_\_



Mitch Saad





# NOTICE OF COMMENCEMENT

Tax Parcel Identification Number 30-75-17-10058-121

County Clerk's Office Stamp or Seal

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description):

a) Street (job) Address: 349 SW Thorne Lane, Fort White, FL 32038

2. General description of improvements:

3. Owner Information

a) Name and address: Mitchell Saad 349 SW Thorne Lane, Ft White FL 32038

b) Name and address of fee simple titleholder (if other than owner) Same

c) Interest in property

4. Contractor Information

a) Name and address: Donny Mitchell Saad 349 SW Thorne Lane, Fort White, FL 32038

b) Telephone No.: 386-454-7298 Fax No. (Opt.)

5. Surety Information

a) Name and address: NA

b) Amount of Bond: NA

c) Telephone No.:

6. Lender

a) Name and address: NA

b) Phone No.

Inst: 200812004462 Date: 3/4/2008 Time: 4:27 PM

DC, P. DeWitt Cason, Columbia County Page 1 of 1

7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:

a) Name and address:

b) Telephone No.:

Fax No. (Opt.)

8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b) Florida Statutes:

a) Name and address:

b) Telephone No.:

Fax No. (Opt.)

9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified):

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

STATE OF FLORIDA  
COUNTY OF COLUMBIA

10.

Mitchell Saad

Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Mitchell Saad

Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 4th day of March, 2008, by:

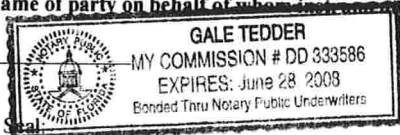
Mitchell SAAD as owner (type of authority, e.g. officer, trustee, attorney fact) for N/A (name of party on behalf of whom instrument was executed).

Personally Known OR Produced Identification Type DL

Notary Signature

Gale Tedder

Notary Stamp or Seal



—AND—

11. Verification pursuant to Section 92.525, Florida Statutes, Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Mitchell Saad

Signature of Natural Person Signing (in line #10 above.)

26816

# 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: ITGV8228Z0121095348

Truss Fabricator: Anderson Truss Company  
Job Identification: 8-020--OWNER BUILDER Mitchell Saad -- 386-454-7298//397-8585wk \*\*  
Truss Count: 18  
Model Code: Florida Building Code 2004 and 2006 Supplement  
Truss Criteria: ANSI/TPI-2002(STD)/FBC  
Engineering Software: Alpine Software, Version 7.36.  
Structural Engineer of Record: The identity of the structural EOR did not exist as of  
Address: the seal date per section 61G15-31.003(5a) of the FAC  
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration  
Floor - N/A  
Wind - 110 MPH ASCE 7-02 -Partially Enclosed

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: VALTRUSS-

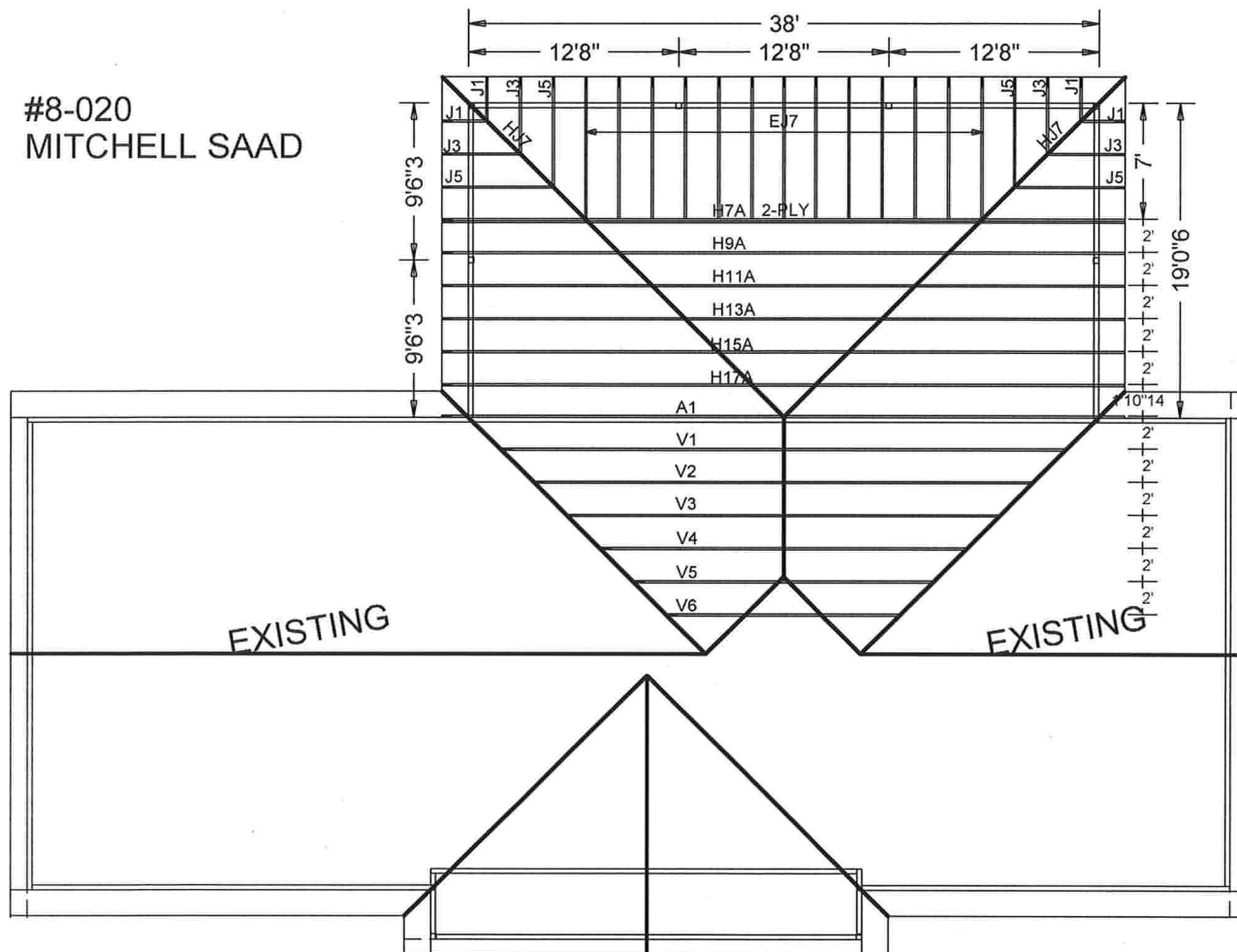
Seal Date: 04/21/2008

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

#	Ref	Description	Drawing#	Date
1	32259--	H7A	08112010	04/21/08
2	32260--	H9A	08112002	04/21/08
3	32261--	H11A	08112001	04/21/08
4	32262--	H13A	08112003	04/21/08
5	32263--	H15A	08112004	04/21/08
6	32264--	H17A	08112007	04/21/08
7	32265--	V1	08112001	04/21/08
8	32266--	V2	08112002	04/21/08
9	32267--	V3	08112003	04/21/08
10	32268--	V4	08112004	04/21/08
11	32269--	V5	08112005	04/21/08
12	32270--	V6	08112006	04/21/08
13	32271--	A1	08112007	04/21/08
14	32272--	J5	08112009	04/21/08
15	32273--	J3	08112005	04/21/08
16	32274--	J1	08112006	04/21/08
17	32275--	EJ7	08112008	04/21/08
18	32276--	HJ7	08112011	04/21/08



#8-020  
MITCHELL SAAD



JOB DESCRIPTION: OWNER BUILDER  
/: Mitchell Saad

JOB NO:  
8-020

PAGE NO:  
1 OF 1



THE FOLLOWING INFORMATION IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.

**2 COMPLETE TRUSSES REQUIRED** 

```

Nailing Schedule: (12d Common (0.148"x3.25",_min.))_nails)
Top Chord: 1 Row @12.00" 0 c.c.
Bot Chord: 1 Row @12.00" 0 c.c.
Webs      : 1 Row @ 4" 0 c.c.

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

```

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

Roof overhang supports 2.00 psf soffit load.

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

Calculated vertical deflection is 0.55" due to live load and 0.84" due to dead load at  $X = 19-0-0$ .



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

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

7.36.0424

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

Scale = .1875"/Ft.

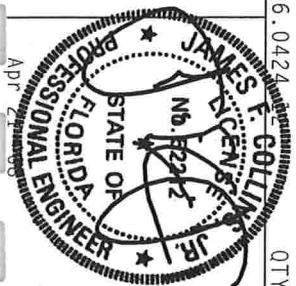
\*WARNING\* - FRAMES BEHIND EXTERIOR GATE IN FABRICATION. HANDLING, SHIPPING, INSTALLING AND PACKING REFER TO GC51 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE CRSSP PLASTIC INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND NICA 4600 TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MADISON, MI 48139 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE 00808 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. ITM BCG, INC. SHALL NOT**

ALPINE

**ITW Building Components Group Inc**

Haines City, FL 33844  
FI Certificate of Authorization # 0076



TC LL	20.0 PSF	REF	R8228 - 32259
TC DL	10.0 PSF	DATE	04/21/08
BC DL	10.0 PSF	DRW	HCUSR8228 08112010
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT.LD.	40.0 PSF	SEQN-	83754
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TGv8228Z01

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

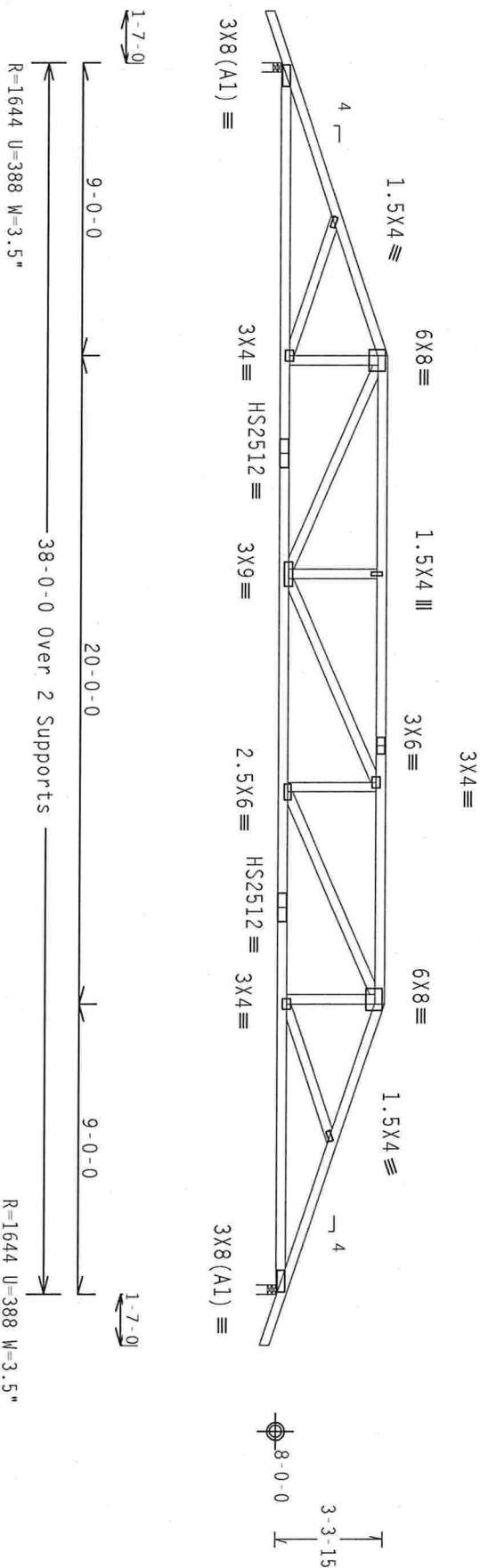
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Calculated vertical deflection is 0.42" due to live load and 0.62" due to dead load at  $X = 15-8-9$ .

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MMFRS pressures.

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



PLT TYP. 20 Gauge HS, Wave

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

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

7.36.0424

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

Scale = .1875"/Ft.

**WARNING:** THESE TRUCKS REQUIRE EXTENSIVE CARE IN INFORMATION, HANDLING, SHIPPING, INSTALLING AND PROTECTING REFER TO GC-1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND GC-2 (TRUSS COMPANY'S LIST OF AMERICA, 6300 INTERSTATE LANE, MOBILE, AL 36689) FOR SAFETY PRACTICES AND PRIOR TO REMOVAL OF THE TRUCKS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

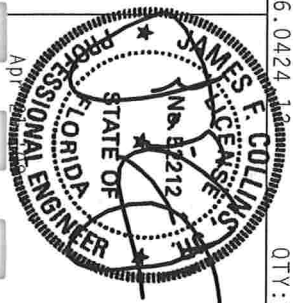
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DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2017-D355 ALUMINUM. SEE DRAWING A31000-00 FOR MORE INFORMATION.

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

THE UNIVERSITY OF CHICAGO

**ITW Building Components Group Inc.**  
Haines City, FL 33844  
FL Certificate of Authorization # 0776

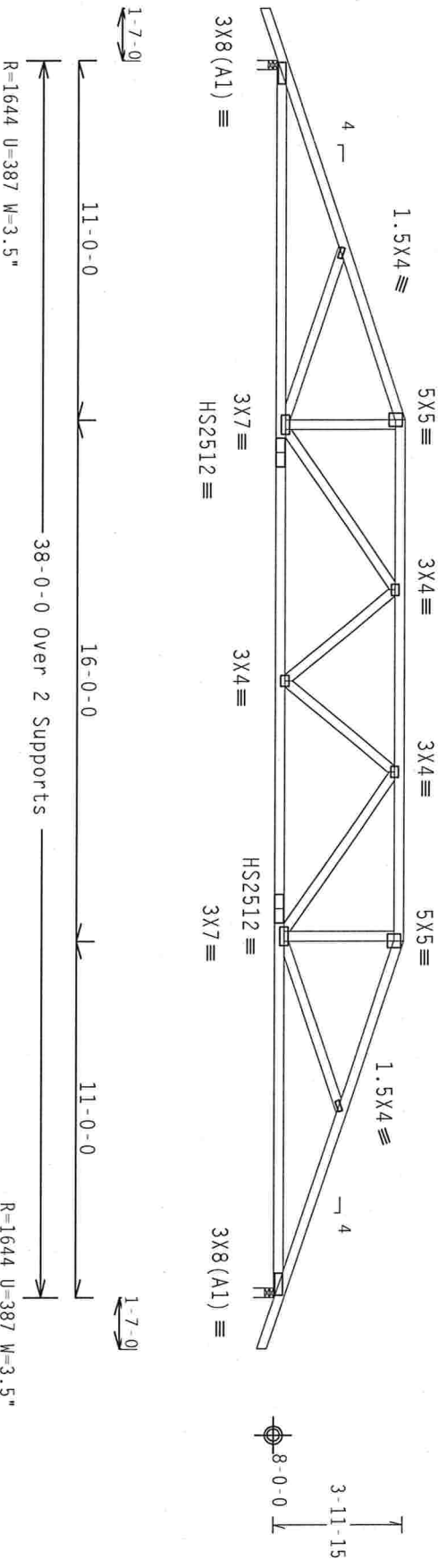


FL / 4 / - / - / R / -		Scale = .1875" / Ft.
TC LL	20.0 PSF	REF R8228 - 32260
TC DL	10.0 PSF	DATE 04/21/08
BC DL	10.0 PSF	DRW HCU8R8228 08112002
BC LL	0.0 PSF	HC-ENG TCE/DF
TOT. LD.	40.0 PSF	SEQN - 83759
DUR. FAC.	1.25	FROM AH
SPACING	24.0"	JREF - 1TGv8228Z01

( 8-020--OWNER BUILDER Mitchell Saad -- 386-454-7298//397-8585wk , \*\* - H11A )  
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.  
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 Gcpi(+/-)=0.55  
Wind reactions based on MMFRS pressures.  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. 20 Gauge HS.Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.0424

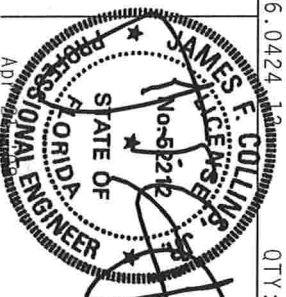
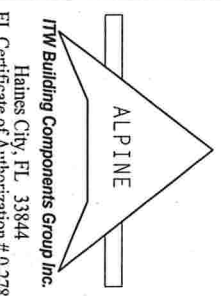
QTY:1 FL/-/4/-/-/R/-

Scale = .1875"/Ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 1000 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BCS (NATIONAL DESIGN SPEC. BY AREA AND TPI. ITW BCG CONNECTIONS ARE MADE OF 20/18/1604 (W/H/S/R) ASH 6053 GRADE 40/50 (Q, K/H, S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY THE SIGNATURE OF THE DESIGNER. THIS SIGNATURE IS THE DESIGNER'S DESIGN SIGNATURE. THE SUFFICIENCY 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- 32261
TC DL	10.0 PSF	DATE	04/21/08
BC DL	10.0 PSF	DRW	HCUSR8228 08112001
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT. LD.	40.0 PSF	SEON-	83764
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TGVB228201



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

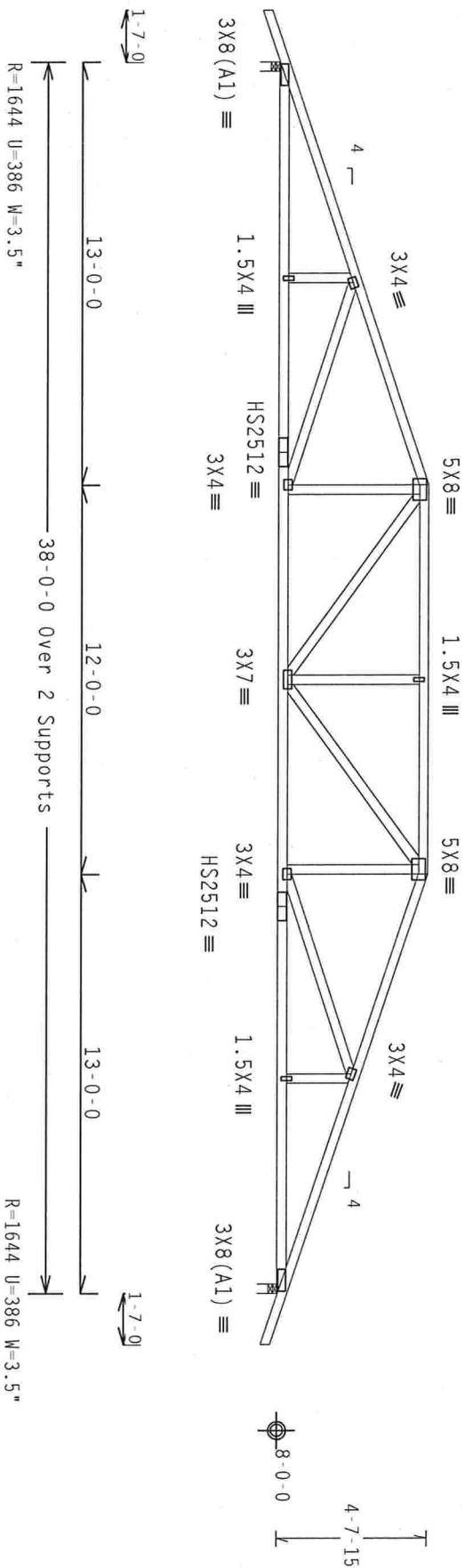
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PLT TYP. 20 Gauge HS.Wave

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

7.36.0424

QTY:1

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

Scale = .1875"/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 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

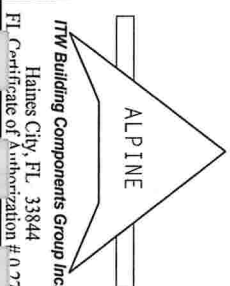
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BOB (NATIONAL DESIGN SPEC. BY AREA) AND TPI. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BOB (NATIONAL DESIGN SPEC. BY AREA) AND TPI.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BOB (NATIONAL DESIGN SPEC. BY AREA) AND TPI. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BOB (NATIONAL DESIGN SPEC. BY AREA) AND TPI.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BOB (NATIONAL DESIGN SPEC. BY AREA) AND TPI. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BOB (NATIONAL DESIGN SPEC. BY AREA) AND TPI.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BOB (NATIONAL DESIGN SPEC. BY AREA) AND TPI. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BOB (NATIONAL DESIGN SPEC. BY AREA) AND TPI.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BOB (NATIONAL DESIGN SPEC. BY AREA) AND TPI. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BOB (NATIONAL DESIGN SPEC. BY AREA) AND TPI.



ITW Building Components Group Inc.  
Haines City, FL 33844  
FL Certificate of Authorization #0778

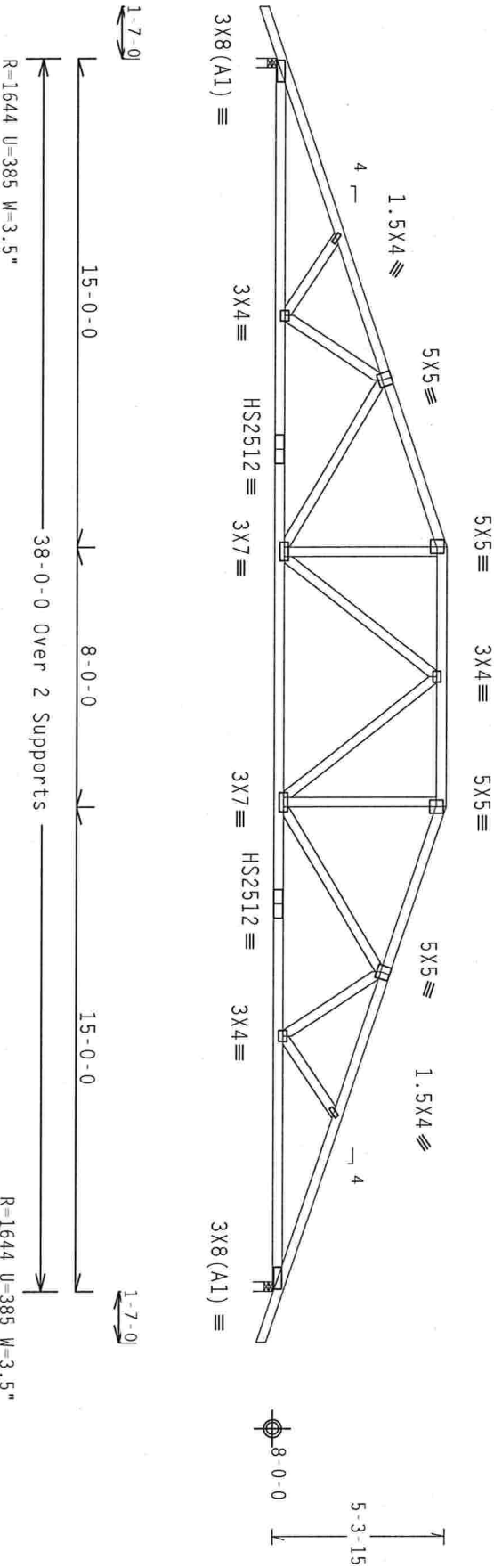


TC LL	20.0 PSF	REF	R8228- 32262
TC DL	10.0 PSF	DATE	04/21/08
BC DL	10.0 PSF	DRW	HCU8R8228 08112003
BC LL	0.0 PSF	HC-ENG TCE/DF	*
TOT. LD.	40.0 PSF	SEON-	83769
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	UREF-	1TGVB228Z01

( 8-020--OWNER BUILDER Mitchell Saad -- 386-454-7298//397-8585wk , \*\* - H15A )  
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.  
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 Gcpl(+/-)=0.55  
Wind reactions based on MMFRS pressures.  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. 20 Gauge HS.Wave  
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/0(0)

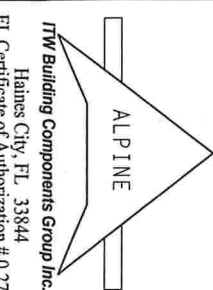
7.36.0424  
QTY:1  
FL/-/4/-/-/R/-  
Scale = .1875"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSI (CONSULTING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314 AND NCA (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.

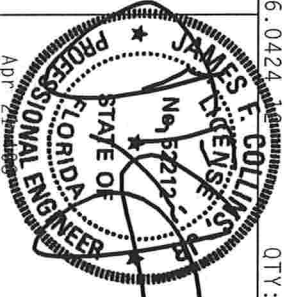
\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TPC, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/AIA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SS/AS) ASTM A653 GRADE 40/50 (W. K/H/SS) GALV. STEEL. TPC BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE TRUSS SHALL BE INSTALLED PER DRAWINGS 160A-2, 160B-2, 160C-2, 160D-2, 160E-2, 160F-2, 160G-2, 160H-2, 160I-2, 160J-2, 160K-2, 160L-2, 160M-2, 160N-2, 160O-2, 160P-2, 160Q-2, 160R-2, 160S-2, 160T-2, 160U-2, 160V-2, 160W-2, 160X-2, 160Y-2, 160Z-2.

ANY INSPECTION OF PLATES FOLLOWED BY VISUAL CHECKS SHALL BE THE SOLE RESPONSIBILITY OF THE TRUSS COMPANY. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE TRUSS COMPANY IS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group Inc.  
Haines City, FL 33844  
FL Certificate of Authorization #0-778



TC LL	20.0 PSF	REF	R8228- 32263
TC DL	10.0 PSF	DATE	04/21/08
BC DL	10.0 PSF	DRW	HCUSR8228 08112004
BC LL	0.0 PSF	HC-ENG TCE/DF	*
TOT.LD.	40.0 PSF	SEON-	83774
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TGVB228201

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

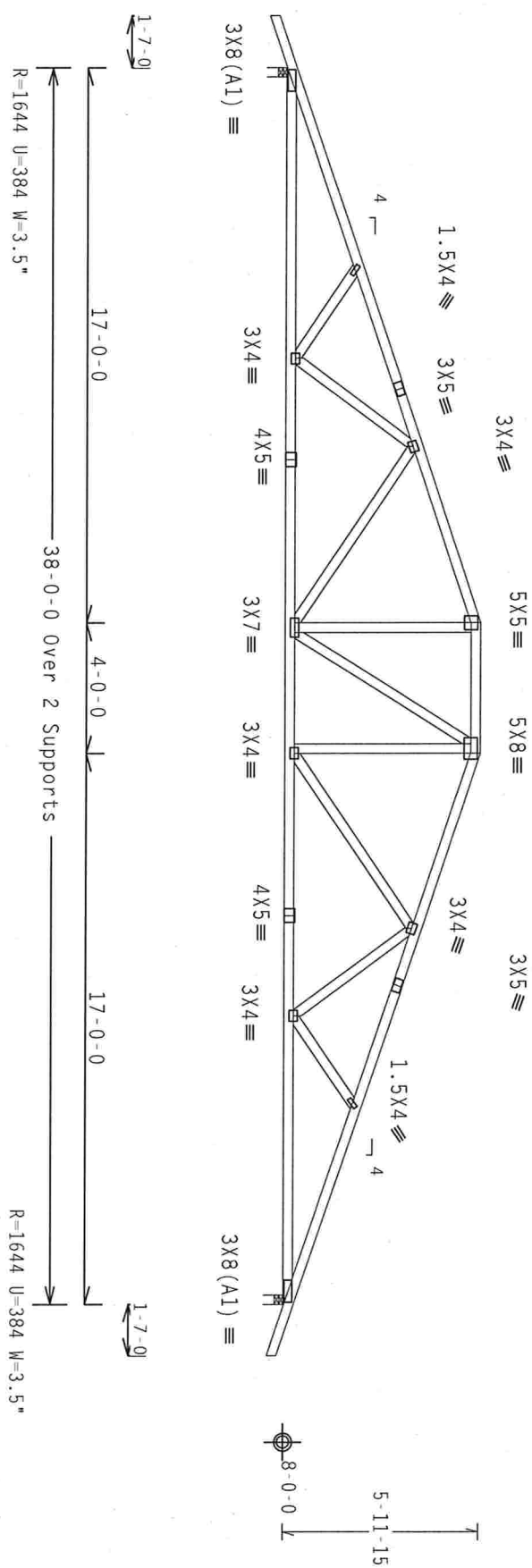
Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpi(+/-)=0.55

Wind reactions based on MMFRS pressures.

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



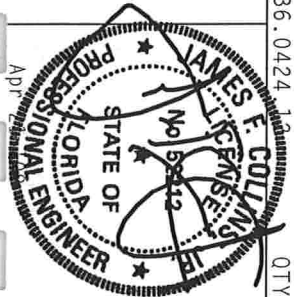
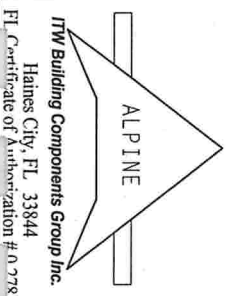
PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/0(0) 7.36.0424 10 QTY:1 FL/-/4/-/R/- Scale = .1875"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 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\*\*** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ALARA) AND TPI. DESIGN TRUSSES ARE MADE TO 20/10/1600 (E/I/S/S/R) ASH 40S3 GRADE 40/60 (4, 6/11.5S) GALV. STEEL. ITW BCG PLATES TO FACTORY SPECIFICATIONS. ALL TRUSSES SHALL BE DESIGNED TO PERFORM PER DRAWINGS 1600-12.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF PLATING. SECTIONS FOR THE TRUSS COMPONENT 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.



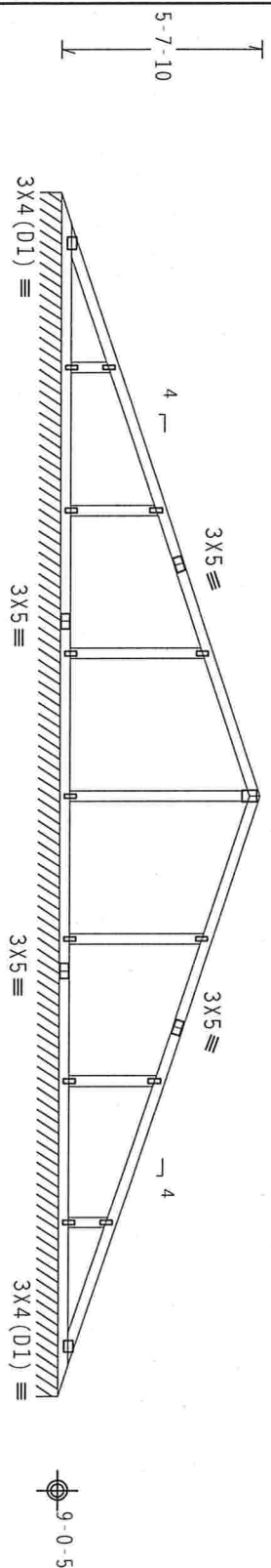
TC LL	20.0 PSF	REF R8228- 32264
TC DL	10.0 PSF	DATE 04/21/08
BC DL	10.0 PSF	DRW HCUR8228 08112007
BC LL	0.0 PSF	HC-ENG TCE/DF *
TOT. LD.	40.0 PSF	SEON- 83779
DUR. FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TGVR228201



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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 Gcpl (+/-)=0.55  
Wind reactions based on MMFRS pressures.  
See DWG VALTRUSS0207 for valley details.



16-10-14 33-9-12 Over Continuous Support 16-10-14

R=81 PLF U=18 PLF W=33-9-12

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

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

7.36.0424

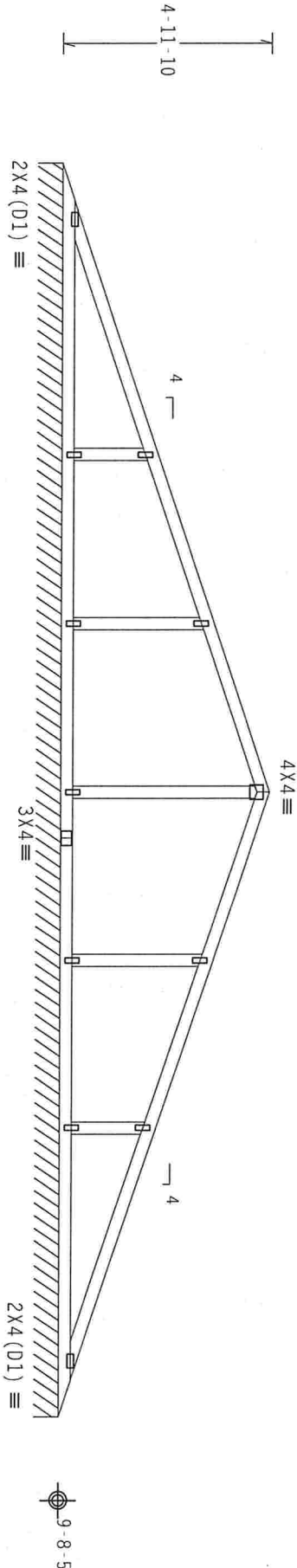
QTY: 1 FL/-/4/-/R/-

Scale = .1875"/ft.

<b>ALPINE</b>		<b>ITW Building Components Group Inc.</b>		<b>Haines City, FL 33844</b>		<b>FL Certificate of Authorization #0-0796</b>	
<b>**WARNING**</b>		<b>TUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.</b>		<b>REFER TO RESI (RESIDUAL COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI, 6300 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.</b>		<b>**IMPORTANT**</b>	
<b>TUSSES</b>		<b>TO THE DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TUSSES.</b>		<b>DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI.</b>		<b>ITW BCG, INC. IS NOT A DESIGNER OF STRUCTURES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2, ANY INSPECTION OF ALPINE TRUSSES, OR ANY OTHER TRUSSES, SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT DESIGNER. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.</b>	
<b>PROFESSIONAL ENGINEER</b>		<b>STATE OF FLORIDA</b>		<b>NO. 52212</b>		<b>APR 27 2008</b>	
<b>TC LL</b>		<b>20.0 PSF</b>		<b>REF R8228- 32265</b>		<b>DATE 04/21/08</b>	
<b>TC DL</b>		<b>10.0 PSF</b>		<b>DRW HCUSR8228 08112001</b>		<b>HC-ENG DAL/AP</b>	
<b>BC DL</b>		<b>10.0 PSF</b>		<b>SEON- 84355</b>		<b>FROM AH</b>	
<b>HC LL</b>		<b>0.0 PSF</b>		<b>UREF- 1TGVB228201</b>		<b>SPACING 24.0"</b>	
<b>TOT. LD.</b>		<b>40.0 PSF</b>					
<b>DUR. FAC.</b>		<b>1.25</b>					

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

Wind reactions based on MMFRS pressures.  
See DWG VALTRUSS0207 for valley details.



R=81 PLF U=18 PLF W=29-9-12

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

TP1-2002(STD)/FBC  
Cq/RT=1.00(1.25)

7.36.0424.12

QTY:1

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

Scale = .25" / Ft.

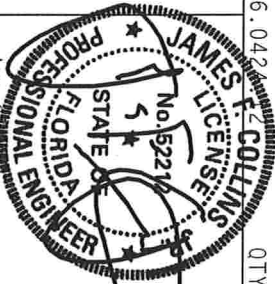
**WARNING**—TRILLES BUILDING EXTERIOR CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY ISI (STEEL PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), 5500 RIVERCHURCH DRIVE, SUITE 100, FARMINGTON, CT, 06030. TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MONTICELLO, VA, 55139 FOR SAFETY PRACTICES AND PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

**ITW Building Components Group Inc.**

Haines City, FL 33844

FL Certificate of Authorization # 00778



Apr 21 08

TC LL	20.0 PSF	REF	R8228- 32266
TC DL	10.0 PSF	DATE	04/21/08
BC DL	10.0 PSF	DRW	HCUSR8228 08112002
BC LL	0.0 PSF	HC-ENG	DAL/AP *
TOT.LD.	40.0 PSF	SEQN-	84360
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TGV8228Z01

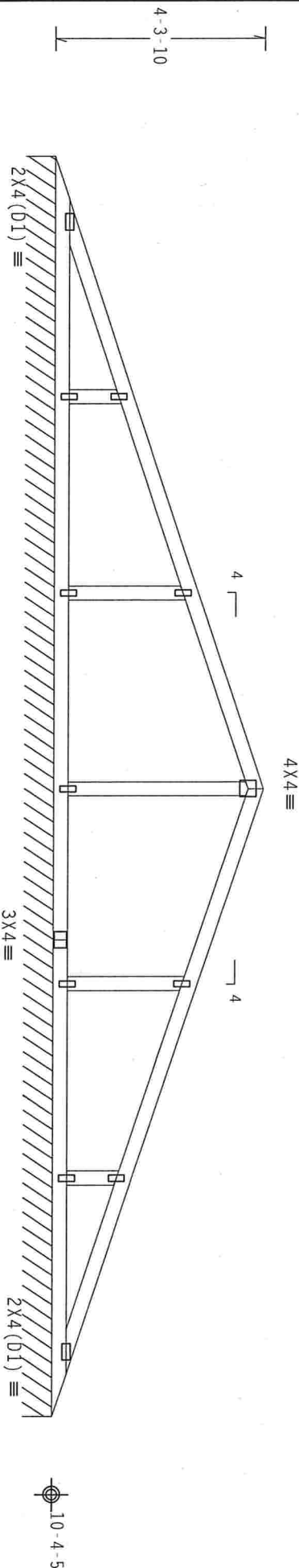
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 Gcpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.



R=81 PLF U=18 PLF W=25-9-12

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

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

7.36.0424

OTY:1

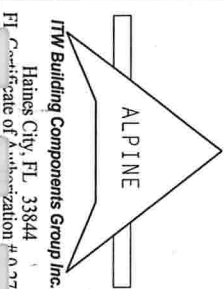
FL/-/4/-/1-/R/-

Scale = .3125"/ft.

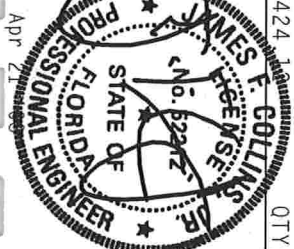
**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WCA (WOOD TRUSS COUNCIL OF AMERICA),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

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BCS (NATIONAL DESIGN SPEC. BY AREA) AND TPI. DESIGNER PLATES ARE MADE OF 2010/1604 (40/1604) ASH/1604 (40/1604) GALV. STEEL. ITW BCG HAS CONDUCTED VISUAL INSPECTIONS OF THIS DESIGN. POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY VISUAL INSPECTION OF THIS DESIGN. DESIGNER'S SEAL AND THIS DESIGN SHOWS. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



FL Certificate of Authorization #0-279



Apr 21 2008

TC LL	20.0 PSF	REF R8228 - 32267
TC DL	10.0 PSF	DATE 04/21/08
BC DL	10.0 PSF	DRW HCUR8228 08112003
BC LL	0.0 PSF	HC-ENG DAL/AP
TOT. LD.	40.0 PSF	SEON- 84365
DUR. FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TGVB228Z01



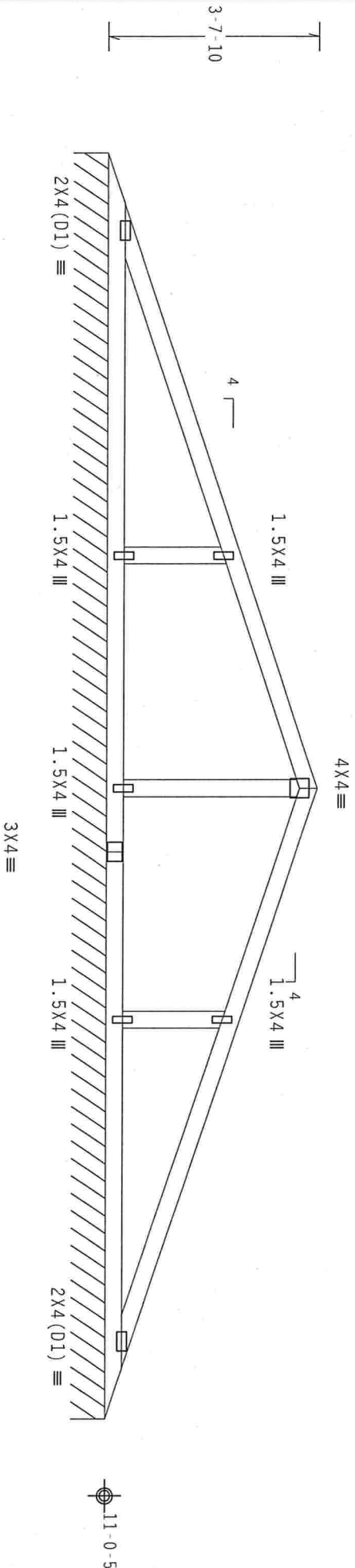
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 Gcpi(+/-)-0.55

Wind reactions based on MMFRS pressures.

See DWG VALTRUSS0207 for valley details.



R=81 PLF U=18 PLF W=21-9-12

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.0424

QTY:1

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

Scale = .375"/Ft.

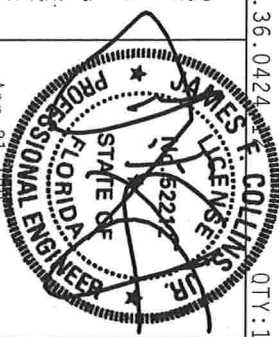
**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCTA (WOOD TRUSS COUNCIL OF AMERICA,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

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization #0778



TC LL	20.0 PSF	REF	R8228- 32268
TC DL	10.0 PSF	DATE	04/21/08
BC DL	10.0 PSF	DRW	HCUSR8228 08112004
BC LL	0.0 PSF	HC-ENG	DAL/AP
TOT. LD.	40.0 PSF	SEQN-	84370
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TGV8228Z01



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

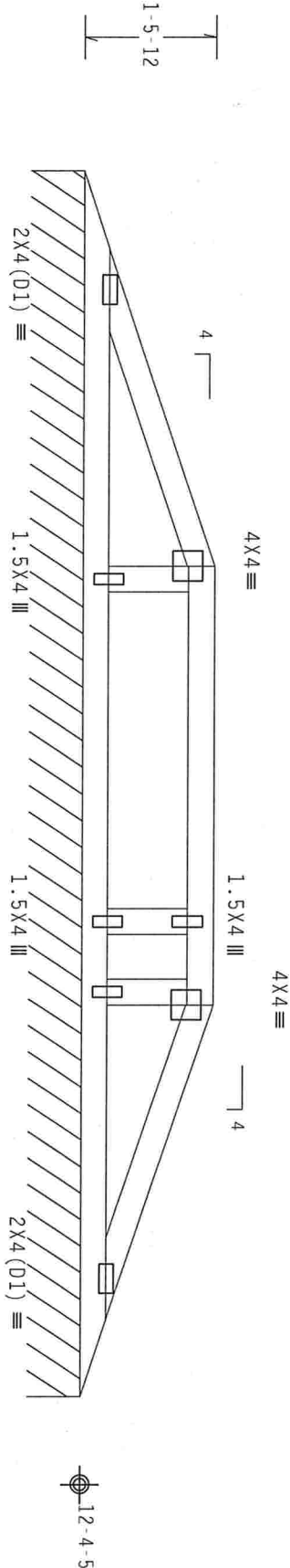
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

See DWG VALTRUSS0207 for valley details.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCPI(+/-)=0.55

Wind reactions based on MMFRS pressures.

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



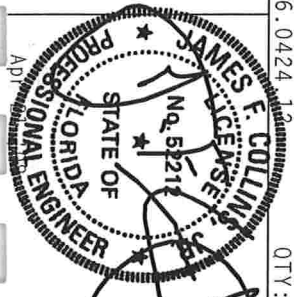
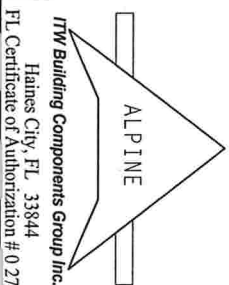
R=81 PLF U=17 PLF W=13-9-12

13-9-12 Over Continuous Support

PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/0(0) 7.36.0424 12 QTY:1 FL/-/4/-/-/R/- Scale =.5"/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 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 THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CONNECTOR PLATES ARE MADE OF 100% HOT ROLLED STEEL. (W, K/H, SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE INDICATED, PER TPI-2002 SEC. 3.2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3.2. 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.



FL	-/4	-/-	R/-	Scale =.5"/Ft.
TC LL	20.0 PSF	REF	R8228- 32270	
TC DL	10.0 PSF	DATE	04/21/08	
BC DL	10.0 PSF	DRW	HCSUR8228 08112006	
BC LL	0.0 PSF	HC-ENG	DAL/AP	*
TOT. LD.	40.0 PSF	SEON-	84379	
DUR. FAC.	1.25	FROM	AH	
SPACING	24.0"	UREF-	1TGVR228Z01	

**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.

**FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment**

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

**NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:**

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

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

*Mitchell Sead*

Owners Signature

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

*Mitchell Sead*

Contractor's Signature (Permitee)

Contractor's License Number \_\_\_\_\_  
Columbia County  
Competency Card Number \_\_\_\_\_

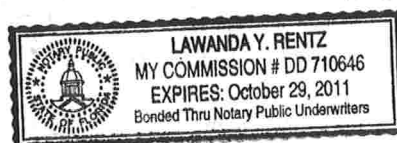
Affirmed under penalty of perjury to by the Contractor and subscribed before me this 25 day of Feb. 2008.

Personally known \_\_\_\_\_ or Produced Identification FL DL

*Lawanda Y. Rentz*

State of Florida Notary Signature (For the Contractor)

SEAL:





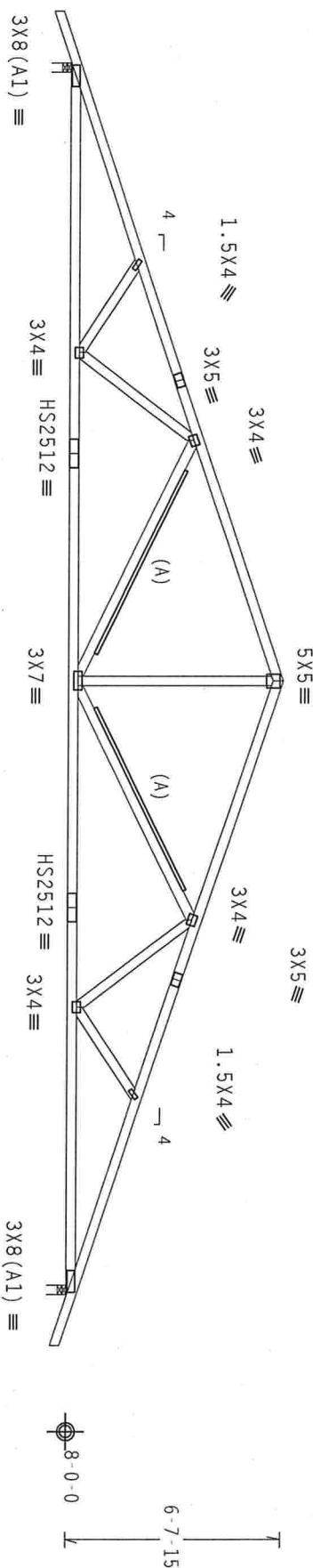
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$  GCFI(+/-)=0.55

Wind reactions based on MMFRS pressures.

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



1'-7'-0" 19'-0-0 38'-0-0 Over 2 Supports 19'-0-0 1'-7'-0"  
R=1637 U=383 W=3.5"

PLT TYP. 20 Gauge HS.Wave

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

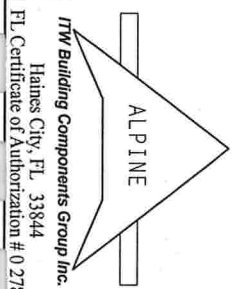
7.36.042

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

Scale = .1875"/ft.

\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (CONSULTING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND AISC (AISC) TRUSS COUNCIL OF AMERICA, 1100 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*\*IMPORTANT\*\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. ITW BCG PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL BE PER AIA/AIA AS OF TPI-1-2002 SEC.3.3. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228- 32271
TC DL	10.0 PSF	DATE	04/21/08
BC DL	10.0 PSF	DRW	HCU8R8228 08112007
BC LL	0.0 PSF	HC-ENG	DAL/AP
TOT.LD.	40.0 PSF	SEQN-	84348
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TGVB228Z01



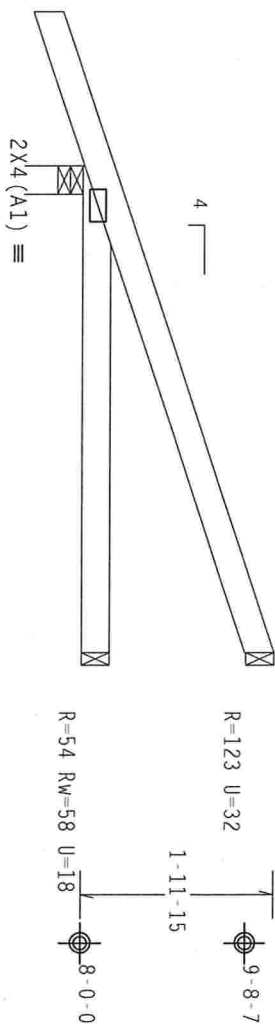
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense

Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 Gcpi (+/-)-0.55

Wind reactions based on MMFRS pressures.



←1-7-0→

←5-0-0 Over 3 Supports →  
R=332 U=64 W=3.5"

PLT TYP. Wave

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

7.36.0424 E COLLINS

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

Scale = .5"/Ft.

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

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

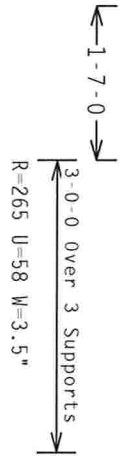
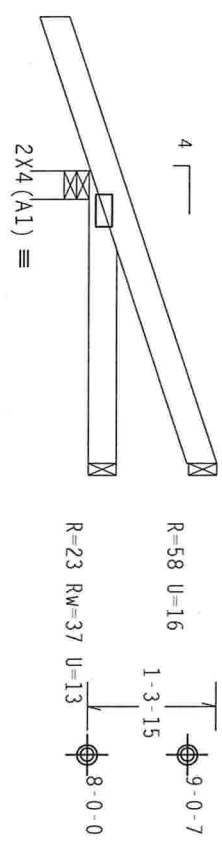
ITW Building Components Group Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 0278



Apr 21 08

TC LL	20.0 PSF	REF	R8228- 32272
TC DL	10.0 PSF	DATE	04/21/08
BC DL	10.0 PSF	DRW	HCUSR8228 08112009
BC LL	0.0 PSF	HC-ENG	DAL/AP
TOT. LD.	40.0 PSF	SEQN-	71766
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TGV8228Z01

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Roof overhang supports 2.00 psf soffit load.  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

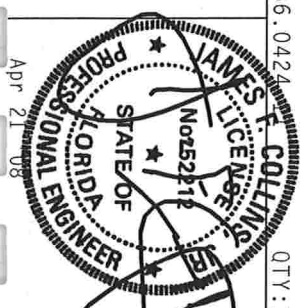
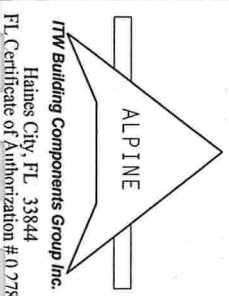
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/0(0)

7.36.0424 F. COLLINS  
QTY: 1 FL/-/4/-/0/R/-

Scale = .5"/Ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 216 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BCS (NATIONAL DESIGN SPEC. BY AREA) AND TPI. ITW BCG TRUSSES ARE DESIGNED TO MEET OR EXCEED ALL APPLICABLE CODES AND STANDARDS. DESIGNATION PER DRAWINGS 1600-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER 23 OF TPI-2002, SECTION 10.0. 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- 32273
TC DL	10.0 PSF	DATE	04/21/08
BC DL	10.0 PSF	DRW	HCSR8228 08112005
BC LL	0.0 PSF	HC-ENG	DAL/AP
TOT. LD.	40.0 PSF	SEON-	71774
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TGV8228Z01

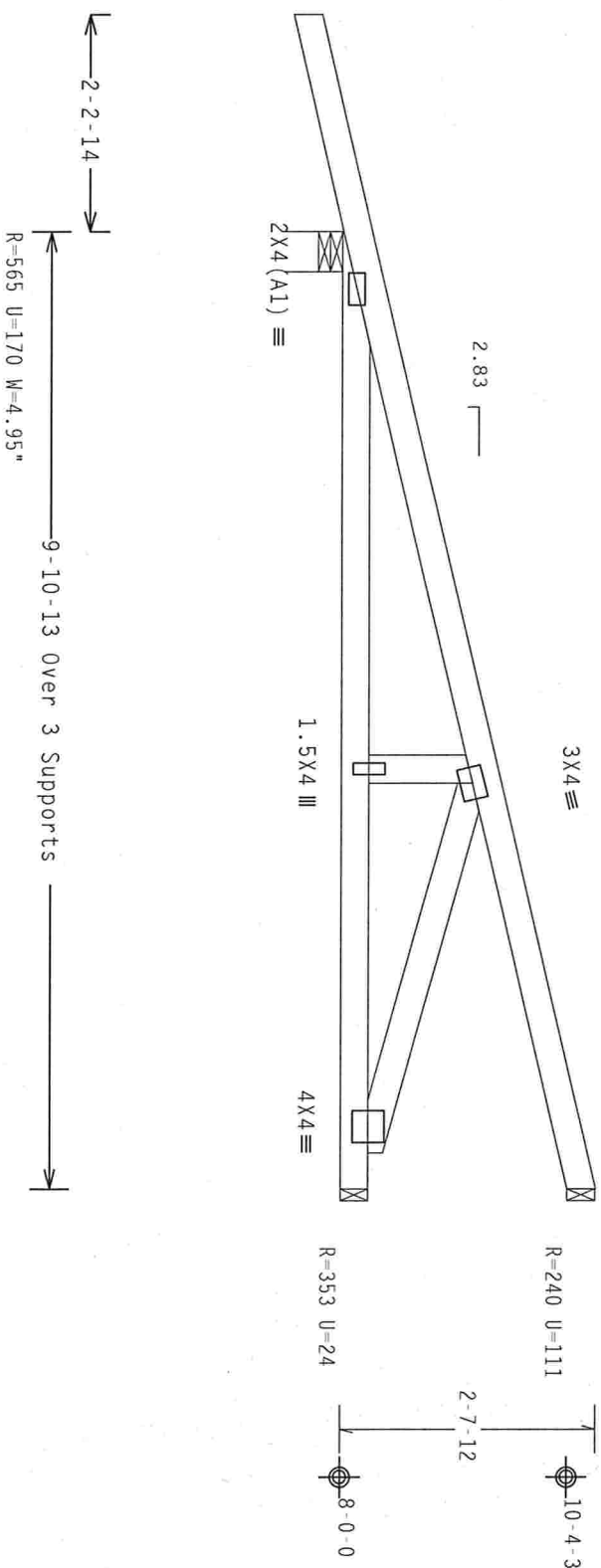




Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, windload BC DL=5.0 psf. lw=1.00 GCPI (+/-)=0.55

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



PLT TYP. Wave

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

7.36.0424.1  
QTY:1

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

Scale = .5" / Ft.

**WARNING:** THESE TRILITE EXHIBIT CASES ARE FABRICATED, MANUFACTURED, SHIPPED, INSTALLING AND BROUGHT TOGETHER WITHOUT THE NECESSARY ATTENTION TO DETAIL. THEREFORE, IT IS RECOMMENDED THAT YOU FOLLOW THE FOLLOWING INSTRUCTIONS TO PREVENT DAMAGE TO YOUR EXHIBITS.

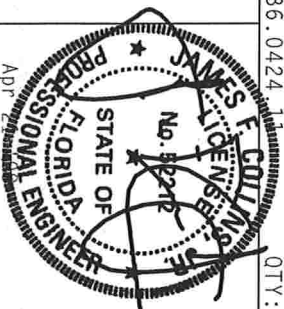
REFER TO DC&I (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI (TRUSS PANEL INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 OR TRUSS COUNCIL OF AMERICA, 63000 ENTERPRISE LANE, MOBILE, AL 36619 FOR SAFETY PRACTICES WITH REGARD TO PERFORMING THE FUNCTIONS UNLESS OTHERWISE INDICATED. FOR CHORUS SHOW HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

## ALPINE

**ITW Building Components Group Inc.**

Haines City, FL 33844

FL Certificate of Authorization # 0 278



TC LL	20.0 PSF	REF	R8228- 32276
TC DL	10.0 PSF	DATE	04/21/08
BC DL	10.0 PSF	DRW	HCUSR8228 08112011
BC LL	0.0 PSF	HC-ENG	DAL/AP
TOT.LD.	40.0 PSF	SEQN-	71770
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TGV8228201

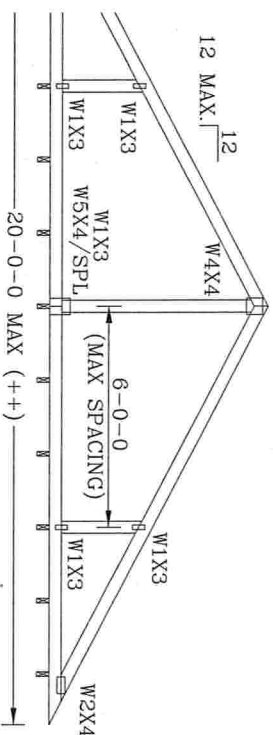
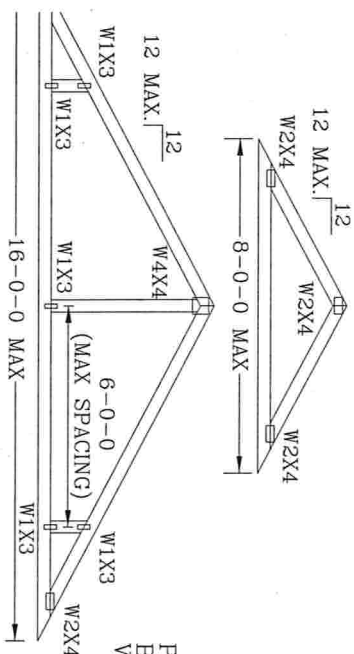
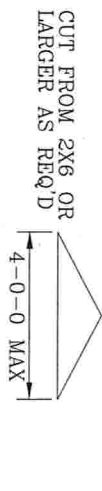


TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.  
BOT CHORD 2X3(\*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.  
WEBS 2X4 SP #3 OR BETTER.

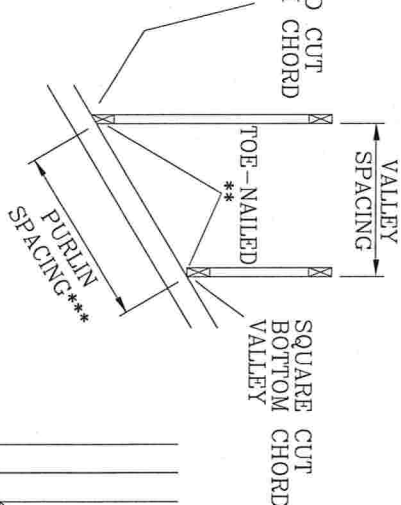
\* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE)

ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH:

(2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR SBC 110 MPH, ASCE 7-93 110 MPH OR ASCE 7-98, ASCE 7-02 OR ASCE 7-05 130 MPH. 15" MEAN HEIGHT, ENCLOSED BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF



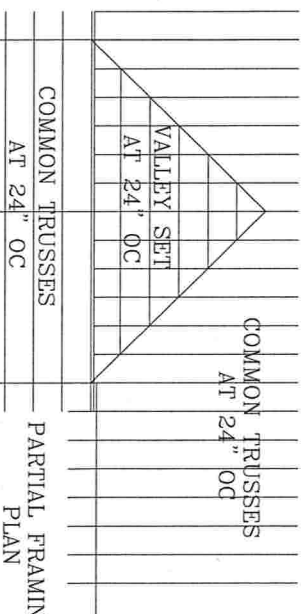
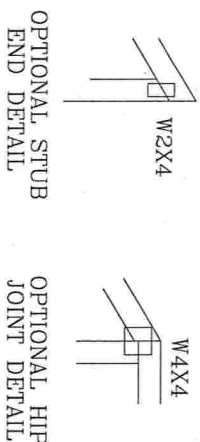
SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING



\*\*\* NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN



COMMON TRUSSES
AT 24" OC

## PARTIAL FRAMING PLAN

THIS DRAWING REPLACES DRAWING A105

REF	VALLEY DETAIL	
DATE	2/23/07	
DRWG	VALTRUSS0207	
-ENG	MLH/KAR	
TC LL	30	30
TC DL	20	15
BC DL	10	10
BC LL	0	0
TOT. LD.	60	55
DUR.FAC.	1.25/1.33	1.15/1.15
SPACING	24"	

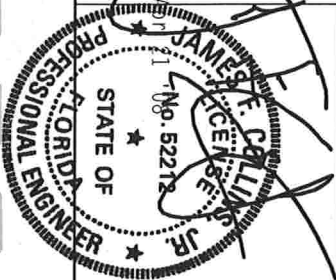
ALPINE

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

**\*WARNING:** THESE REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22304 AND VITA CYCLOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53767 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIONS. UNLESS OTHERWISE INDICATED, EACH CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BUILT UP CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*IMPORTANT:** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE APPLICABLE, HANDLING, SHIPPING, INSTALLING, AND BRACING OF TRUSSES. DESIGN CONFLICTS WITH OR FAVORABLE PROVISIONS OF NOS NATIONAL DESIGN SPEC. BY AREA# AND TEST DATA. BCG CONNECTOR PLATES ARE MADE OF 2018T96GA AND UNS35 ASHWA A663 GRADE 40/60 (A/CSS) DESIGN POSITION PER DRAWING REVISED. UNLESS OTHERWISE LOCATED ON THIS PLAN, ALL TRUSS MEMBER END CONNECTIONS SHALL BE WELDED TO THE CHORDS.

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 MSMT/TPI-1 SEC. 2.



2008.1 Allowable Stress Design

NOTE: THIS COMPONENT IS DESIGNED TO SUPPORT ONLY THE VERTICAL LOADS SHOWN AS DETERMINED BY OTHERS. VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, WIND AND SEISMIC BRACING, AND OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED IS THE RESPONSIBILITY OF THE PROJECT ENGINEER OR ARCHITECT. I DISCLAIM ALL RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS OR OTHER DOCUMENTS THAT MAY BE USED TO INCORPORATE THIS COMPONENT INTO THE BUILDING DESIGN.

1. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE LATERAL STABILITY.
2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE LATERAL STABILITY.
3. DO NOT CUT, NOTCH OR DRILL LP LVL.
4. SHIM ALL BEARINGS FOR FULL CONTACT.
5. VERIFY DIMENSIONS BEFORE CUTTING.
6. THIS LP LVL IS TO BE USED AS A ROOF BEAM ONLY.
7. MAKE PROVISION FOR ADEQUATE DRAINAGE AT EACH END OF COMPONENT.
8. PROVIDE LATERAL BRACING FOR THE TOP EDGE OF EACH END OF COMPONENT.
9. PROVIDE LATERAL BRACING FOR THE BOTTOM EDGE AT EACH END OF COMPONENT.

DESIGN ASSUMES COMPONENTS CARRIED ARE APPLIED TO TOP EDGE OF LP LVL, SUCH THAT LOAD IS DISTRIBUTED EQUALLY TO EACH PLY. ATTACH THE TWO PLYS WITH 2 ROWS OF 16d (3-12") NAILS AT 12" OC, STAGGERED ROWS. NAILS CAN BE DRIVEN FROM ONE FACE OR HALF FROM EACH FACE. NAILS MAY BE COMMON OR BOX NAILS WITH A MINIMUM SHANK DIAMETER OF 0.131". 16d SINKERS (3-14") MAY BE USED, BUT HALF MUST BE DRIVEN FROM EACH FACE.

CONCENTRATED LOADS MUST BE EQUALLY DISTRIBUTED TO ALL PLYS. ADDITIONAL FASTENERS MAY BE REQUIRED.

## LOAD TABLE

NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1) OTHER LOAD CASES FOR LATERAL BRACING ARE CHECKED AS REQUIRED (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER).

DISTRIBUTION	SOURCE	TYPE	TOP/SIDE	LOAD	FROM	TO	LOAD	ID#
UNIFORM	BEAM	HEIGHT	TOP	10 PLF	0'-0"-00	19'-00"-06		0.90
CONCENTRATED	ROOF	LIVE	TOP	1603 LBS	07'-02"-00	00KINBERG-2.50"		1.25
CONCENTRATED	ROOF	DEAD	TOP	1603 LBS	07'-02"-00	00KINBERG-2.50"		0.90
CONCENTRATED	ROOF	LIVE	TOP	822 LBS	09'-01"-00	00KINBERG-2.50"		1.25
CONCENTRATED	ROOF	DEAD	TOP	822 LBS	09'-01"-00	00KINBERG-2.50"		0.90
CONCENTRATED	ROOF	LIVE	TOP	822 LBS	11'-01"-00	00KINBERG-2.50"		1.25
CONCENTRATED	ROOF	DEAD	TOP	822 LBS	11'-01"-00	00KINBERG-2.50"		0.90
CONCENTRATED	ROOF	LIVE	TOP	822 LBS	13'-01"-00	00KINBERG-2.50"		1.25
CONCENTRATED	ROOF	DEAD	TOP	822 LBS	13'-01"-00	00KINBERG-2.50"		0.90
CONCENTRATED	ROOF	LIVE	TOP	822 LBS	15'-01"-00	00KINBERG-2.50"		1.25
CONCENTRATED	ROOF	DEAD	TOP	822 LBS	15'-01"-00	00KINBERG-2.50"		0.90
CONCENTRATED	ROOF	LIVE	TOP	822 LBS	17'-01"-00	00KINBERG-2.50"		1.25
CONCENTRATED	ROOF	DEAD	TOP	822 LBS	17'-01"-00	00KINBERG-2.50"		0.90
CONCENTRATED	ROOF	LIVE	TOP	822 LBS	19'-01"-00	00KINBERG-2.50"		1.25
CONCENTRATED	ROOF	DEAD	TOP	822 LBS	19'-01"-00	00KINBERG-2.50"		0.90
CONCENTRATED	ROOF	LIVE	TOP	166 LBS	05'-01"-00	00KINBERG-2.50"		1.25
CONCENTRATED	ROOF	DEAD	TOP	166 LBS	05'-01"-00	00KINBERG-2.50"		0.90
CONCENTRATED	ROOF	LIVE	TOP	133 LBS	03'-01"-00	00KINBERG-2.50"		1.25
CONCENTRATED	ROOF	DEAD	TOP	133 LBS	03'-01"-00	00KINBERG-2.50"		0.90
CONCENTRATED	ROOF	LIVE	TOP	132 LBS	01'-01"-00	00KINBERG-2.50"		1.25
CONCENTRATED	ROOF	DEAD	TOP	132 LBS	01'-01"-00	00KINBERG-2.50"		0.90

## WARNING NOTES:

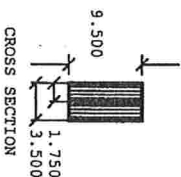
THIS COMPONENT DESIGN IS SPECIFICALLY FOR LP-ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR LP LSL OR LP LJOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL.

PROVIDE RESTRAINT AT CONCENTRATED LOAD TO ENSURE LATERAL STABILITY.

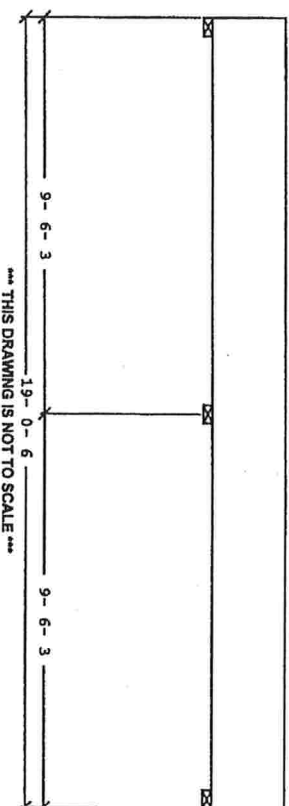
MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LP LVL BEAM AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS BEAM IS CAPABLE OF SUPPORTING THE REACTIONS.

ANCHOR LP LVL ROOF BEAM SECURELY TO BEARINGS OR HANGERS.

PROJECT DESIGNER TO PROVIDE ADEQUATE UPLIFT AND/OR LATERAL ANCHORAGE FOR THIS BEAM AND THE MEMBERS ATTACHING TO IT.



CROSS SECTION



\*\*\* THIS DRAWING IS NOT TO SCALE \*\*\*

MAXIMUM DEFLECTIONS	ALLOWABLE
LIVE LOAD	0.11"
DEAD LOAD	0.12"
TOTAL LOAD	0.19"
MIN BEARING SIZE (IN-SX)	3-0

SUPPORT REACTIONS (LBS):  
 MAXIMUM BEARING NUMBERS  
 DOWN 737 9483 2531  
 UPLIFT --- --- ---

## Handling &amp; Erection

Temporary and permanent bracing for holding component plumb and for resisting lateral forces shall be designed and installed by others. No loads are to be applied to the component during erection. If the design criteria listed above are not followed, the component may be damaged. At no time shall loads greater than design loads be applied to the component.

## Design Criteria

The design and material specified are in substantial conformity with the latest revisions of NDS and ATC. \* Dead load deflection includes adjustment factor for creep. Total load deflection is instantaneous.

## Miscellaneous Information

The use of this component shall be specified by the designer of the complete structure. Obtain all the necessary code compliance approval and conditions. If the design criteria listed above are not followed, the component may be damaged. At no time shall loads greater than design loads be applied to the component.

LP LVL, LP LSL, and CTR, LP LJOIST Specifications

\* Support and connections for LP LVL, LP LSL, CTR and LP LJOIST to the specific applications.

\* Common nails driven parallel to glue lines shall be spaced a maximum of 4" for 10d.

\* Do not notch, drill or alter LP LVL, LP LSL, and CTR, LP LJOIST except as shown in published material from LP. Any use of LP LVL, LSL, and CTR, LP LJOIST contrary to the limits set forth herein, negates any express warranty of the product and LP disclaims all implied warranties including the implied warranties of merchantability and fitness for a particular use.

\* A COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR.

LP is a registered trademark of Louisiana-Pacific Corporation.

## LP LVL, LP LSL, and CTR, LP LJOIST Specifications

The use of this component shall be specified by the designer of the complete structure. Obtain all the necessary code compliance approval and conditions. If the design criteria listed above are not followed, the component may be damaged. At no time shall loads greater than design loads be applied to the component.

## LP Engineered Wood Products

2706 Highway 421 North  
 Wilmington, NC 28401  
 Local 910.762.9878  
 National 800.999.9105

04/25/08

IBC

2008.1

DESIGN CRITERIA:  
 LIVE LOAD = 20 PSF  
 DEAD LOAD = 20 PSF  
 TOTAL LOAD = 40 PSF

ROOF LEFT SPAN CARR. : 0.00 FT  
 ROOF RIGHT SPAN CARR. : 0.00 FT

DEFLECTION CRITERIA:  
 LIVE LOAD DEF.: L / 360  
 TOTAL LOAD DEF.: L / 240

CODE COMPLIANCES:  
 REPORT # ESR-1254  
 I.A. C4ly RR 25167  
 CCAC 11518-R  
 WISCONSIN 200124-W  
 N.Y. CITY MEA 97-94-E  
 HUD MR 1214D

DWG # 0804-092  
 SHEET # 1A of 4



LOAD TABLE

NOTE:  
1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY  
THE VERTICAL LOADS SHOWN AS DETERMINED BY

THE VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, WIND AND SEISM BRACING, AND OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED IS THE RESPONSIBILITY OF THE PROJECT ENGINEER OR ARCHITECT. I DISCLAIM ALL RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS OR OTHER DOCUMENTS THAT MAY BE USED TO INCORPORATE THIS COMPONENT INTO THE BUILDING DESIGN.

2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE LATERAL STABILITY.
3. DO NOT CUT, NOTCH OR DRILL LP LVL.
4. SHIM ALL BEARINGS FOR FULL CONTACT.
6. VERIFY DIMENSIONS BEFORE CUTTING LP LVL TO SIZE.

6. THIS LP LVL IS TO BE USED AS A ROOF BEAM ONLY.  
MAKE PROVISION FOR ADEQUATE DRAINAGE.  
7. PROVIDE LATERAL BRACING FOR THE TOP EDGE AT EACH END OF COMPONENT.  
8. PROVIDE LATERAL BRACING FOR THE BOTTOM EDGE AT EACH END OF COMPONENT.

CONCENTRATED LOADS MUST BE EQUALLY DISTRIBUTED TO ALL PILES. ADDITIONAL FASTENERS MAY BE REQUIRED.

LOAD TABLE									
NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). OTHER LOAD CASES: FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED. (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER).									
DISTRIBUTION		SOURCE	TYPE	TOP/SIDE	LOAD	FROM		TO	
UNIFORM	BEAM	WEIGHT				FX-IN-SX	ZZ- IN-YY		
CONCENTRATED	ROOF	LIVE		TOP	10 KIP	07-02-00	00-13-00		
CONCENTRATED	ROOF	LIVE		TOP	-764 LBS	07-02-00	00-13-00		
CONCENTRATED	ROOF	LIVE		TOP	-387 LBS	09-01-01	00-04INBS		
CONCENTRATED	ROOF	LIVE		TOP	-387 LBS	11-01-01	00-04INBS		
CONCENTRATED	ROOF	LIVE		TOP	-386 LBS	13-01-01	00-04INBS		
CONCENTRATED	ROOF	LIVE		TOP	-385 LBS	15-01-01	00-04INBS		
CONCENTRATED	ROOF	LIVE		TOP	-384 LBS	17-01-01	00-04INBS		
CONCENTRATED	ROOF	LIVE		TOP	-80 LBS	01-01-00	04INBS		
CONCENTRATED	ROOF	LIVE		TOP	-64 LBS	05-01-00	04INBS		
CONCENTRATED	ROOF	LIVE		TOP	-58 LBS	03-01-00	04INBS		

LOAD	IDEF
50"	0.90
50"	1.00
50"	1.00
50"	1.00
50"	1.00
50"	1.00
50"	1.00
50"	1.00
50"	1.00
50"	1.00

2 BEAMS 175 X 8 600 L PVL2650F-1.9E  
 DESIGN CONSISTS OF 2 BEAMS FASTENED  
 TOGETHER (REFER TO NOTES).

```

DESIGN CRITERIA :
LIVE LOAD          = 20 PSE
DEAD LOAD          = 20 PSE
TOTAL LOAD         = 40 PSE

ROOF LEFT SPAN CAR. : 0.00 FT
ROOF RIGHT SPAN CAR. : 0.00 FT

DEFLECTION CRITERIA :
LIVE LOAD DEF.:    L / 360
LIVE LOAD DEF.:    L / 240

CODE COMPLIANCES :
REPORT #
E58-1254
ICC-ES

```

CCAC 11518-R  
WISCONSIN 200124-W  
N.Y. CITY MEA 97-94-E  
HUD MR 1214D

PROVIDE RESTRAINT AT CONCENTRATED LOAD TO ENSURE LATERAL STABILITY.

MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LP LVL BEAM AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS BEAM IS CAPABLE OF SUPPORTING THE REACTIONS.

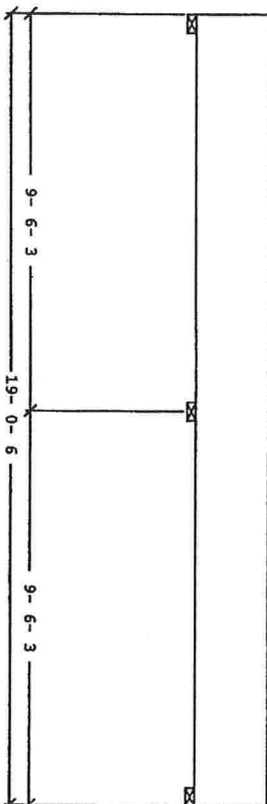
PROVIDE ANCHORAGE FOR UPLIFT AT SUPPORTS. ANCHORAGE DETAIL TO BE PROVIDED BY PROJECT DESIGNER.

ANCHOR LP LVL ROOF BEAM SECURELY TO BEARINGS OR HANGERS.

**PROJECT DESIGNER TO PROVIDE ADEQUATE UPLIFT AND/OR LATERAL ANCHORAGE FOR THIS BEAM AND THE MEMBERS ATTACHING TO IT.**

ANCHOR LP LVL ROOF BEAM SECURELY TO BEARINGS OR HANGERS

PROVIDE ANCHORAGE FOR UPLIFT AT SUPPORTS. ANCHORAGE DETAIL TO BE PROVIDED BY PROJECT DESIGNER.



THIS DRAWING IS NOT TO SCALE

MAXIMUM DEFLECTIONS

	CALCULATED	ALLOWABLE
LIVE LOAD	-0.05"	0.31"
*DEAD LOAD	0.00"	
TOTAL LOAD	-0.05"	0.47"

### Handling & Erection

Temporary and permanent bracing for holding component plumb and for resisting lateral forces shall be designed and installed by others. No loads are to be applied to the component until after all the framing and fastening are completed. At no time shall loads greater than design loads be applied to the component.

Design Criteria

The design and material specified are in substantial conformity with the latest revisions of NDS and AITC.\* Dead load deflection includes adjustment factor for creep. Total load deflection is instantaneous.

### Miscellaneous Information

The use of this component shall be specified by the designer of the complete structure. Obtain all the necessary code compliances approval and instructions from the designers of the complete structure before using this component. If the design criteria listed above does not meet local building code requirements, do not use this design. When this drawing is signed and sealed, the structural design is approved as shown in this drawing based on data provided by the customer. For U/L, L/S and CTR, U/L-Holes are made without lumber and will be drilled under load. Wood in direct contact with concrete must be protected as required by code. Continuous lateral support is assumed (wall, floor beam, etc.). It does not provide on-site inspection. This drawing must have an Architect's or Engineer's seal affixed to be considered an Engineering document.

LP LVL, LP LSL and CTR, LP Joist Specifications

\*Supports dual connections for LP<sub>1</sub>, LP<sub>2</sub>, LP<sub>3</sub>, LSI, CTR and LP<sub>4</sub> to be specially applicable to the following applications:  
 • Common rails driven parallel to guide lines that be spaced a minimum of 4" for 10d and 3" for 5d.  
 • Do not cut, notch, drill or alter LP<sub>1</sub>, LP<sub>2</sub>, LSI, and CTR. LP<sub>3</sub> bolts except as shown in the drawings.  
 • The product is not to be used for any application where the product is contrary to the limited steel from LP<sub>1</sub> any use of LP<sub>1</sub>, LSI, and CTR. LP<sub>3</sub> and LP<sub>4</sub> products and LP<sub>2</sub> disclaims all implied warranties including the implied warranties of merchantability and fitness for a particular use.

\* A COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR.  
LP is a registered trademark of Louisiana-Pacific Corporation.

**LP Engineered Wood Product**

2706 Highway 421 North  
Wilmington, NC 28401  
Local 910.762.9878  
National Wals 800.999.9105

Alfred

700

2008.1

MG # 0804-092

DWG # 0007-002

SHEET # 2A of 4











# 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: ITGH8228Z0107132019

Permit #  
26816

Truss Fabricator: Anderson Truss Company  
Job Identification: 8-020--OWNER BUILDER Mitchell Saad -- 386-454-7298//397-8585wk , \*\*  
Truss Count: 18  
Model Code: Florida Building Code 2004 and 2006 Supplement  
Truss Criteria: ANSI/TPI-2002(STD)/FBC  
Engineering Software: Alpine Software, Version 7.36.  
Structural Engineer of Record: The identity of the structural EOR did not exist as of  
Address: the seal date per section 61G15-31.003(5a) of the FAC  
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration  
Floor - N/A  
Wind - 110 MPH ASCE 7-02 -Partially Enclosed

## 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: VALTRUSS-

Seal Date: 04/07/2008

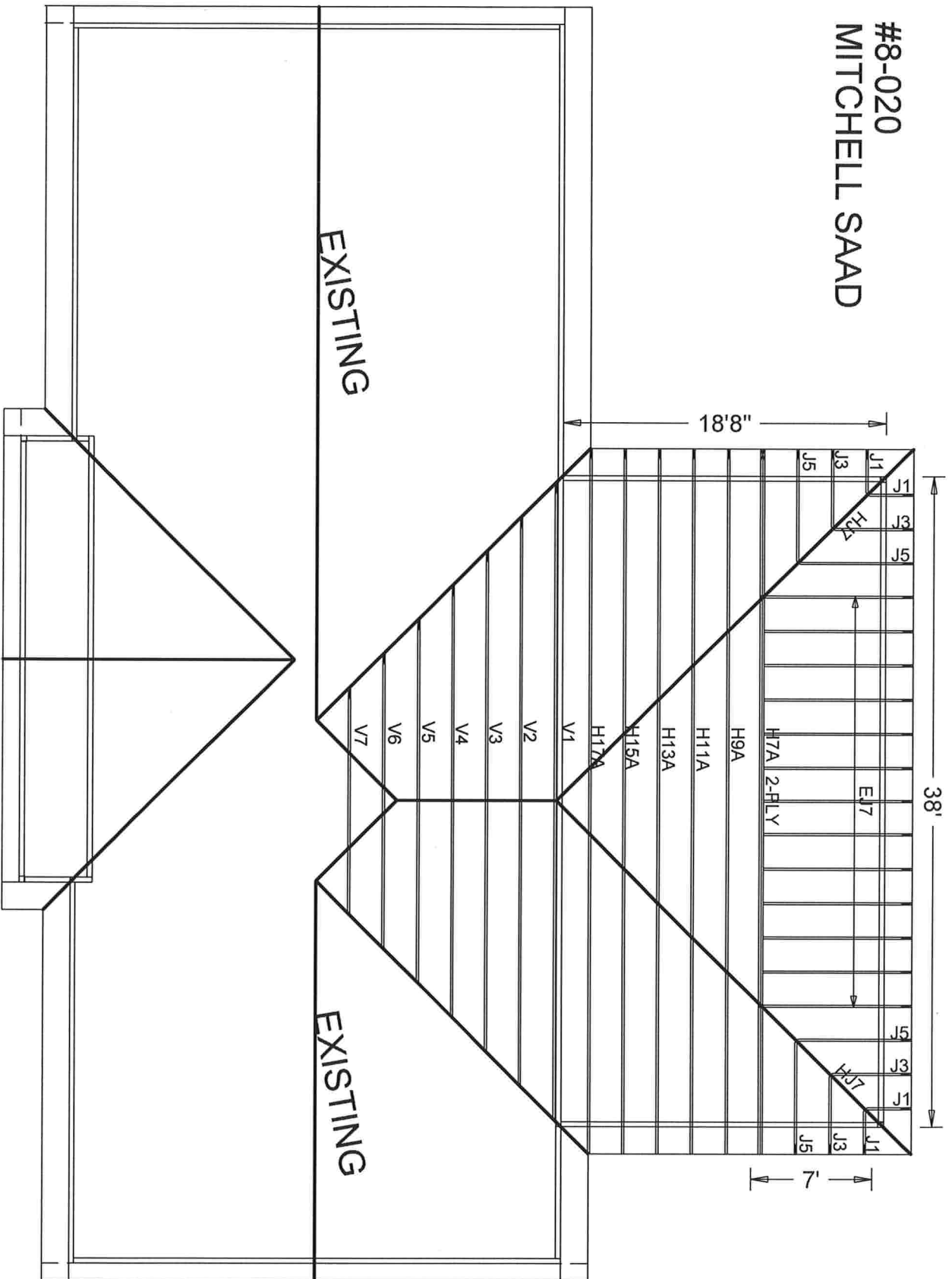
-Truss Design Engineer-  
Doug Fleming

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

#	Ref	Description	Drawing#	Date
1	71153--H7A		08098001	04/07/08
2	71154--H9A		08098002	04/07/08
3	71155--H11A		08098003	04/07/08
4	71156--H13A		08098004	04/07/08
5	71157--H15A		08098005	04/07/08
6	71158--H17A		08098006	04/07/08
7	71159--V1		08098007	04/07/08
8	71160--V2		08098008	04/07/08
9	71161--V3		08098009	04/07/08
10	71162--V4		08098010	04/07/08
11	71163--V5		08098011	04/07/08
12	71164--V6		08098012	04/07/08
13	71165--V7		08098013	04/07/08
14	71166--HJ7		08098005	04/07/08
15	71167--J5		08098004	04/07/08
16	71168--J3		08098001	04/07/08
17	71169--J1		08098002	04/07/08
18	71170--EJ7		08098003	04/07/08



# #8-020 MITCHELL SAAD



JOB DESCRIPTION:: OWNER BUILDER  
/: Mitchell Saad

JOB NO:

8-020

PAGE NO:

1 OF 1

THE UNIVERSITY OF CHICAGO

Nailing Schedule: (12d Common\_(0.148"x3.25", min.)\_nails)

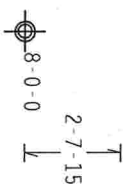
Top Chord:	1 Row	@12.00"	0.c.c.
Bot Chord:	1 Row	@12.00"	0.c.c.
Walls	1 Row	@ 4"	0.c.c.

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

Roof overhang supports 2.00 psf soffit load.

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

Calculated vertical deflection is 0.55" due to live load and 0.84" due to dead load at  $X = 19.0-0$ .


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

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

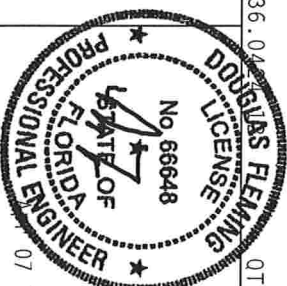
Scale = .1875"/Ft.

DOOR  
LICENSE  
No. 66648

**ITW Building Components Group Inc.**

Haines City, FL 33844

FI Certificate of Authorization #0079



07.08

FL/-/4/-/-/R/-		Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R8228 - 71153
TC DL	10.0 PSF	DATE 04/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08098001
BC LL	0.0 PSF	HC-ENG TCE/DF
TOT.LD.	40.0 PSF	SEQN- 83754
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TGH8228Z01

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

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

Calculated vertical deflection is 0.42" due to live load and 0.62" due to dead load at  $X = 15-8-9$ .

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpi (+/-) -0.55

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



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

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

7.36.04

QTY:1

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

Scale = .1875" / Ft.

\*\*\*WARNING\*\*\* FRAMES (BUILDING COMPONENTS) IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND PROTECTING REFER TO GC#1 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATING INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND (800) TRUSS COUNCIL OF AMERICA, 63000 ENTERPRISE LANE, MONTICELLO, VA, 53179 FOR SAFETY PRACTICES AND PICTS TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MD5 (NATIONAL DESIGN SPEC., BY AIA/PNA) AND TFL.

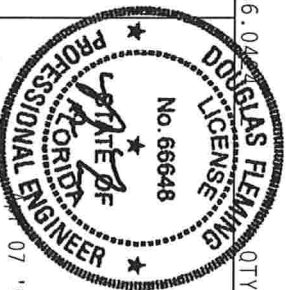
CONNECTOR PLATES ARE MADE OF 20/18/166A (W.M./SS/K) ASTM A653 GRADE 40/60 (H, K/H, SS) GALV. STEEL, APPLY

PLATES TO EACH EAST OUTRIGGER AND UNLESS OTHERWISE NOTED ON THIS DETAIL, CONNECTION SHALL BE PROVIDED ACCORDING TO THE FOLLOWING:

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENTS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN A3 OF TP11-2002 SEC. 3. A SEAL ON THIS

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.

Haines City, FL 33844  
FL Certificate of Authorization # 00779



TC LL	20.0 PSF	REF	R8228- 71154
TC DL	10.0 PSF	DATE	04/07/08
BC DL	10.0 PSF	DRW	HCU8R8228 08098002
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT.LD.	40.0 PSF	SEQN-	83759
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TGH8228Z01

THESE TWO MULTI-MODEL APPROACHES (LOCAL & DIMENSIONAL), SUBMITTED BY IRUSS MFK.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.55

Wind reactions based on MWFRS pressures.

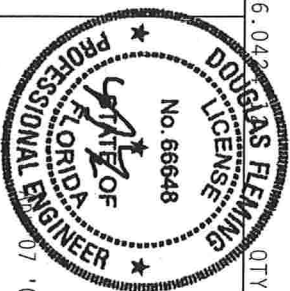
Deflection meets  $L/240$  live and  $L/180$  total load. Creep increase factor for dead load is 1.50.



Scale = .1875" / Ft.

DOUGLAS  
LICENSE  
No. 66648

FL Certificate of Authorization # 0 278



TC LL	20.0 PSF	REF	R8228 - 71155
TC DL	10.0 PSF	DATE	04/07/08
BC DL	10.0 PSF	DRW	HCSR8228 08098003
BC LL	0.0 PSF	HC-ENG	TCE/DF *
TOT.LD.	40.0 PSF	SEQN-	83764
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1TGH8228Z01

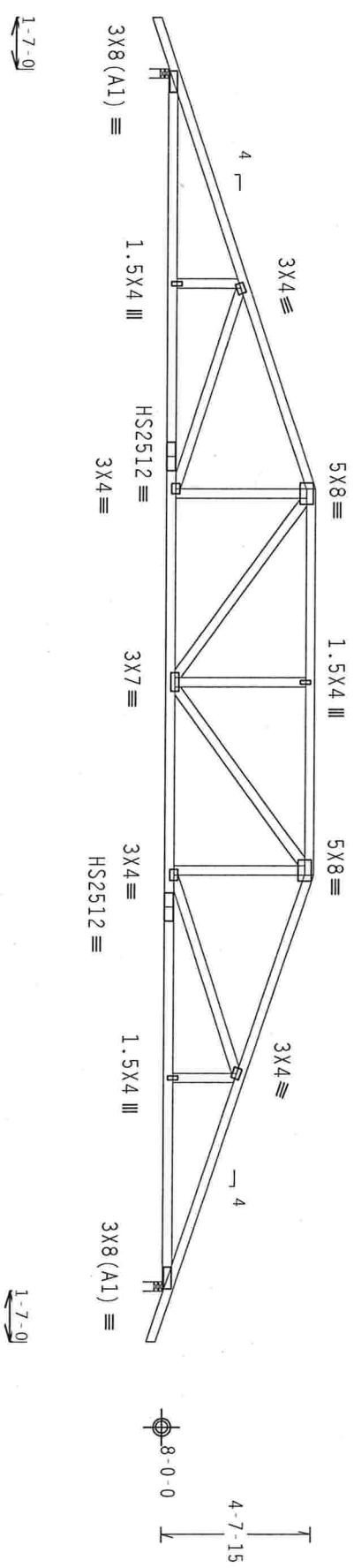


Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg. not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCPI(+/-)=0.55  
Wind reactions based on MWFRS pressures.  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



13'-0'-0" 12'-0'-0" 13'-0'-0"  
38'-0'-0" Over 2 Supports  
R=1644 U=386 W=3.5"

PLT TYP. 20 Gauge HS.Wave  
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/0(0)

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

ALPINE

RTW Building Components Group Inc.  
Haines City, FL 33844  
FL Certificate of Authorization #0778



QTY: 1	FL/-/4/-/1-/R/-	Scale = .1875"/ft.
TC LL	20.0 PSF	REF R8228- 71156
TC DL	10.0 PSF	DATE 04/07/08
BC DL	10.0 PSF	DRW HCUR8228 08098004
BC LL	0.0 PSF	HC-ENG TCE/DF *
TOT. LD.	40.0 PSF	SEQN- 83769
DUR. FAC.	1.25	FROM AH
SPACING	24.0"	UREF- 1TGH8228Z01

110 mph wind, 15.00 ft mean hgt., ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCPI(+)=0.55

Wind reactions based on MWFRS pressures.

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



Scale = .1875" / Ft.

DOUBLEDAY  
LICENSE  
No. 66648

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

**ITW Building Components Group Inc.**

Haines City, FL 33844

FI Certificate of Authorization # 0 278



07 '08

TC LL	20.0 PSF	REF	R8228- 71157
TC DL	10.0 PSF	DATE	04/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08038005
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT.LD.	40.0 PSF	SEQN-	83774
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TGH8228Z01

JREF - 1TG8228Z01

110 mph wind, 15.00 ft mean hgt., ASCE 7-02, PART. ENC. bldg, not  
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC  
DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 GCpl(+/-)=0.55

Wind reactions based on MWFRS pressures.


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



Scale = .1875"/Ft.

DOOR LICENSE  
No. 66648

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

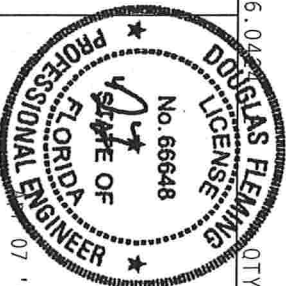


ALPINE

**ITW Building Components Group Inc.**

Haines City, FL 33844

FL Certificate of Authorization # 0 279



30. 70

TC LL	20.0 PSF	REF	R8228- 71158
TC DL	10.0 PSF	DATE	04/07/08
BC DL	10.0 PSF	DRW	HCUR8228 08098006
BC LL	0.0 PSF	HC-ENG	TCE/DF *
TOT.LD.	40.0 PSF	SEON-	83779
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TG8228Z01

JREF - 1TG8228Z01

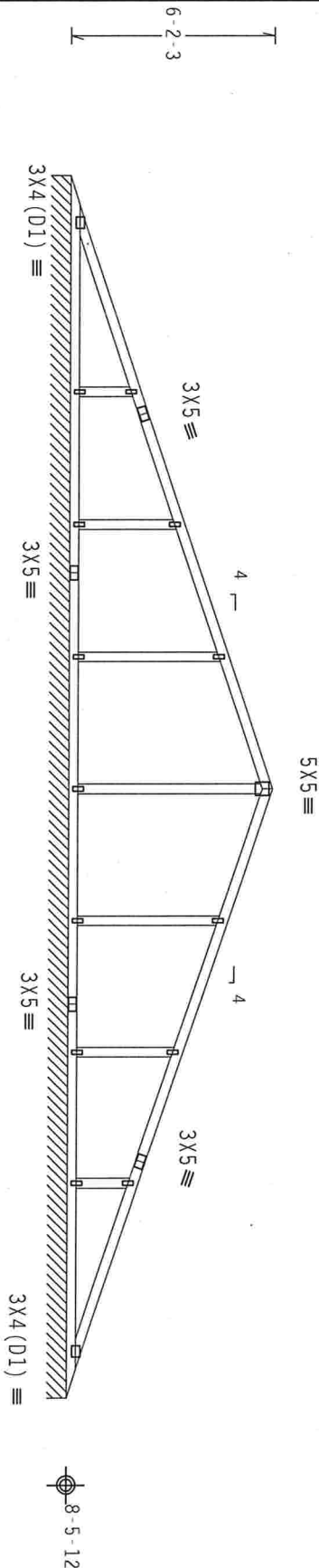
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 Gcpl(+/-)=0.55

Wind reactions based on MFRS pressures.

See DWG VALTRUSS0207 for valley details.



R=81 PLF U=18 PLF W=37-1-0

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

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

7.36.042

QTY: 1

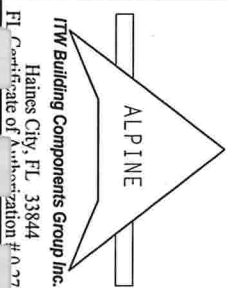
FL/-/4/-/R/-

Scale = .1875"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS COUNCIL OF AMERICA, 6300 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. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN COMPLIANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/A&A) AND TPI. ITM BCG CONNECTION PLATES ARE MADE OF 20/18/16GA (N/A/SSK) ASH 6063 GRADE 40/60 (N/A/SS) GALV. STEEL. APPLY TO ALL TRUSS AND BRACE MEMBERS UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF THIS TRUSS SHALL BE CONDUCTED BY A QUALIFIED SOCIETY 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- 71159
TC DL	10.0 PSF	DATE	04/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08098007
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT.LD.	40.0 PSF	SEQN-	83685
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	ITGH8228Z01

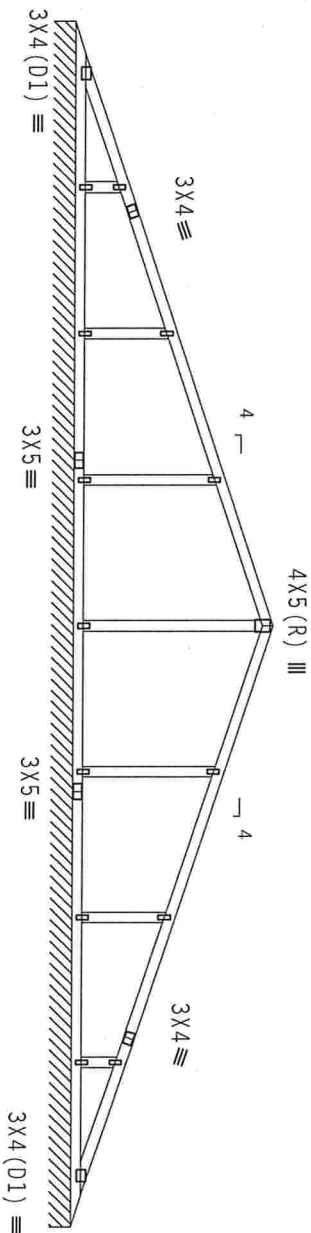
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind tc DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpi(+/-)=0.55

Wind reactions based on MMFRS pressures.

See DWG VALTRUSS0207 for valley details.



5-6-3

R-81 PLF U=18 PLF W=33-1-0

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

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

7.36.042

QTY: 1

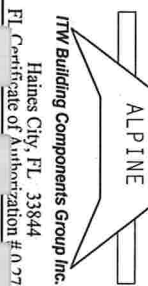
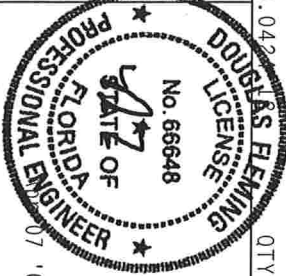
FL/-/4/-/-/R/-

Scale = .1875"/Ft.

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

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



TC LL	20.0 PSF	REF R8228- 71160
TC DL	10.0 PSF	DATE 04/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08098008
BC LL	0.0 PSF	HC-ENG TCE/DF *
TOT.LD.	40.0 PSF	SEON- 83697
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TG8228201

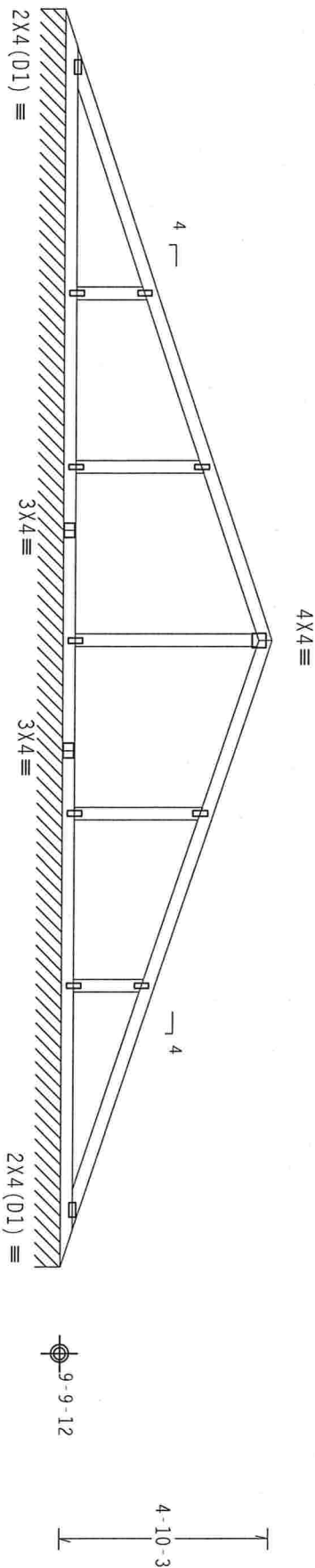
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind tc DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 Gcpl(+/-)=0.55

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.



14-6-8 14-6-8 14-6-8

29-1-0 Over Continuous Support

R-81 PLF U-18 PLF W-29-1-0

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

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

7.36.04

QTY: 1

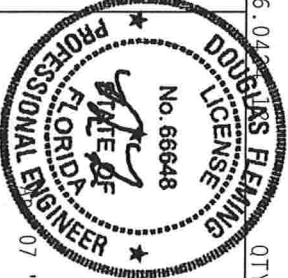
FL/-/4/-/R/-

Scale = .25"/ft.

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

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ITW Building Components Group Inc.  
Haines City, FL 33844  
FL Certificate of Authorization #0-778



TC LL	20.0 PSF	REF	R8228- 71161
TC DL	10.0 PSF	DATE	04/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08098009
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT.LD.	40.0 PSF	SEON-	83702
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TG8228201

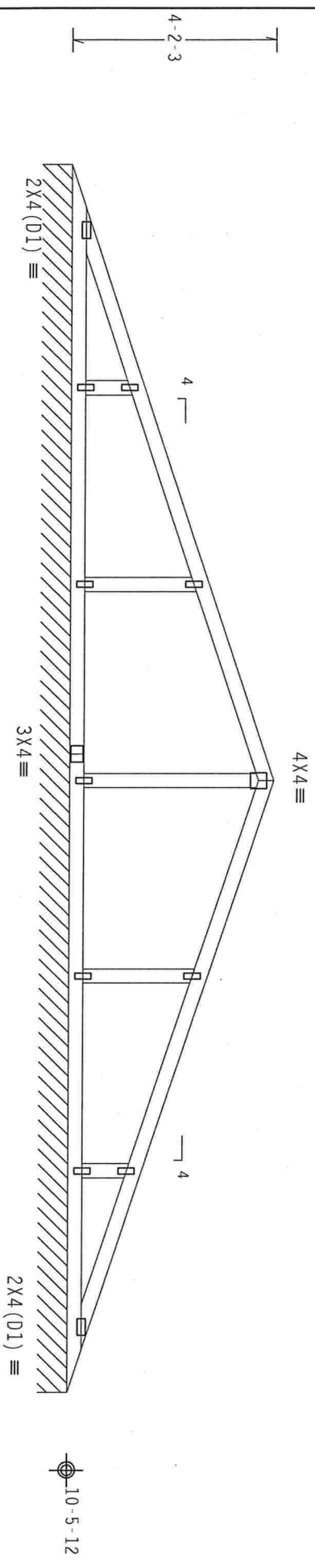


Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpl(+/-)=0.55

Wind reactions based on MWFRS pressures.  
See DWG VALTRUSS0207 for valley details.



12-6-8 25-1-0 Over Continuous Support 12-6-8

Note: All Plates Are 1.5X4 Except As Shown.

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

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

<b>**WARNING**</b> TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSEI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.			
<b>**IMPORTANT**</b> FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TITW 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.			
TITW BCG TRUSSES CONFORM WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AREA) AND TPI. TITW BCG TRUSSES ARE DESIGNED TO BE USED IN CONFORMANCE WITH THE FOLLOWING SPECIFICATIONS: SECTION PER DRAWINGS 100A-2, 100B-2, 100C-2, 100D-2, 100E-2, 100F-2, 100G-2, 100H-2, 100I-2, 100J-2, 100K-2, 100L-2, 100M-2, 100N-2, 100O-2, 100P-2, 100Q-2, 100R-2, 100S-2, 100T-2, 100U-2, 100V-2, 100W-2, 100X-2, 100Y-2, 100Z-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED BY AN ENGINEER OR ARCHITECT. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.			
<b>ALPINE</b>			
Haines City, FL 33844			
TITW Building Components Group Inc.			
FL Certificate of Authorization #00778			
<b>DOUGLAS FLEMING</b> No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER			
TC LL	20.0 PSF	REF	R8228-71162
TC DL	10.0 PSF	DATE	04/07/08
BC DL	10.0 PSF	DRW	HCSR8228 08098010
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT.LD.	40.0 PSF	SEON-	83707
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TG8228201

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, mov  
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC  
DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCPI(+/-)=0.55

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.



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

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

7.36.04

QTY:1

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

Scale = .375" / Ft.

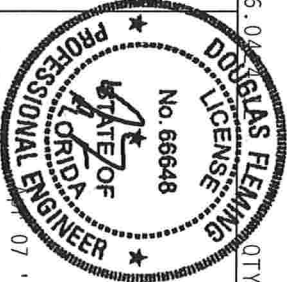
**\*\*\*WARNING\*\*\*** FRILES (BUILDING COMPONENT SAFETY INFORMATION) - MANUFACTURING, SHIPPING, INSTALLING AND PROJECTING REFER TO GC51 (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 (800) TRUSS CONSULT, OF AMERICA, 63000 ENTERPRISE LANE, MONTICELLO, VT, 55139 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, FOUR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

**ITW Building Components Group Inc.**

Haines City, FL 33844

FL Certificate of Authorization # A 278



TC LL	20.0 PSF	REF	R8228- 71163
TC DL	10.0 PSF	DATE	04/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08098011
BC LL	0.0 PSF	HC-ENG	TCE/DF *
TOT.LD.	40.0 PSF	SEQN-	83712
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TGH8228Z01

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

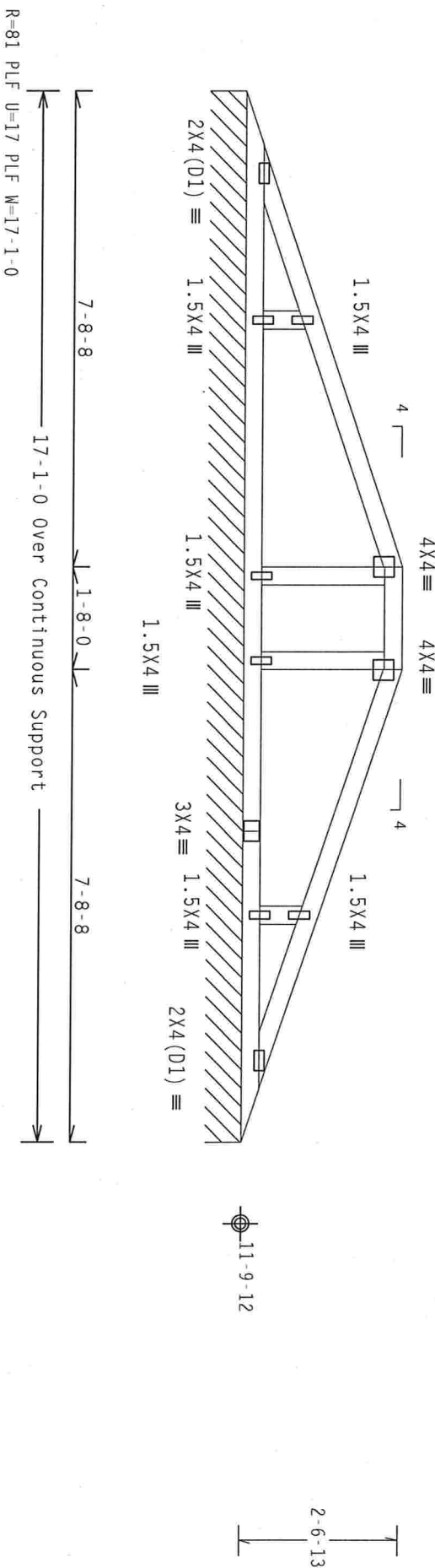
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

See DWG VALTRUSS0207 for valley details.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCPI(+/-)=0.55

Wind reactions based on MWFRS pressures.

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



PLT TYP. Wave

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

7.36.04

QTY: 1

FL/-/4/-/R/-

Scale = .375"/ft.

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

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA, ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ITW Building Components Group Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 0-078



TC LL	20.0 PSF	REF	R8228- 71164
TC DL	10.0 PSF	DATE	04/07/08
BC DL	10.0 PSF	DRW	HCSUR8228 08098012
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT.LD.	40.0 PSF	SEQN-	83717
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TG8228Z01

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

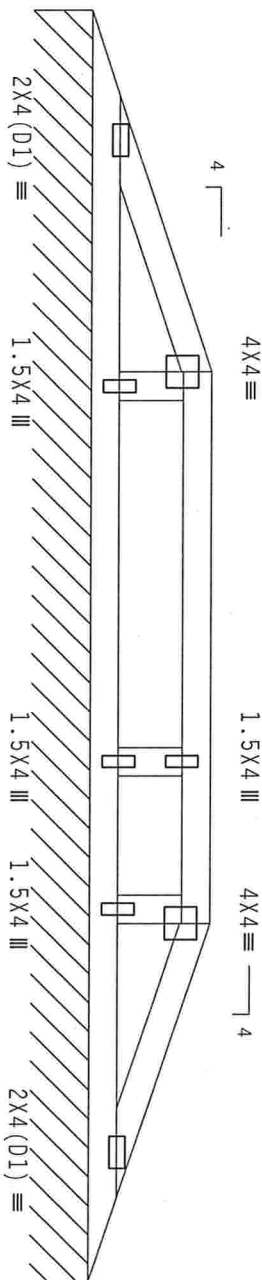
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

See DWG VALTRUSS0207 for valley details.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 gcpl(+/-)=0.55

Wind reactions based on MWFRS pressures.

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



R=81 PLF U=17 PLF W=13-1-0

PLT TYP. Wave

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

7.36.04

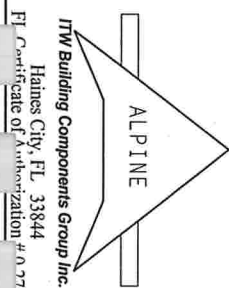
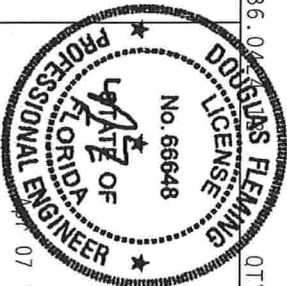
QTY:1

FL/-/4/-/R/-

Scale = .5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE TRUSS COUNCIL OF AMERICA, 600 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314 AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 600 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. BY A/R/A AND TPI. DISCREPANCIES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY A/R/A) AND TPI. ITW BCG CONNECTIONS ARE MADE OF 20/10/16GA (W/H/SS/VS) ASPH A663 GRADE 40/60 (W. R/H/SS) GALV. STEEL. APPLY TO ALL TRUSSES. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY ANY INSPECTION OF PROFESSIONAL ENGINEERING RESPONSIBILITY. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



FL Certificate of Authorization # 0-378

TC LL	20.0 PSF	REF R8228- 71165
TC DL	10.0 PSF	DATE 04/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08098013
BC LL	0.0 PSF	HC-ENG TCE/DF *
TOT.LD.	40.0 PSF	SEON- 83721
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TG8228201

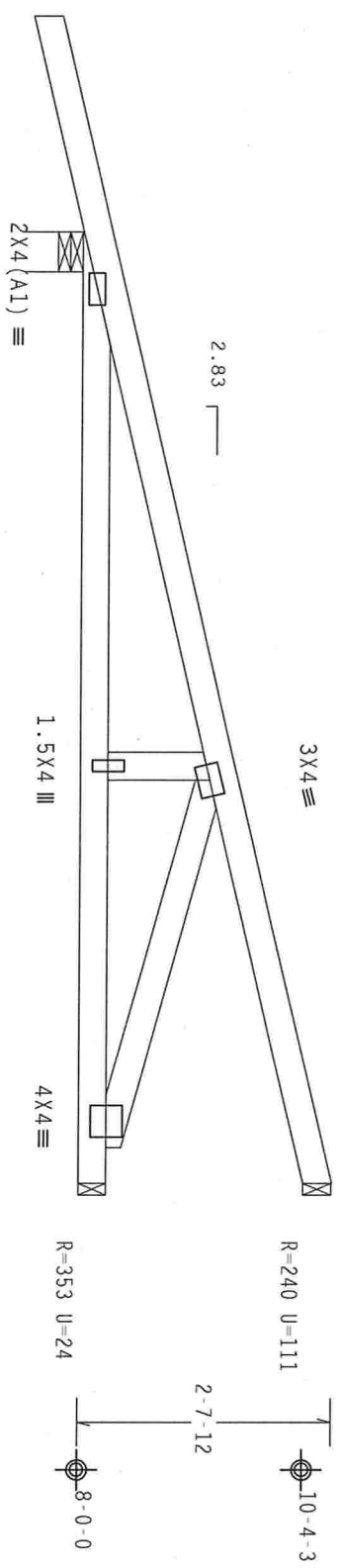
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$  GCFI (+/-)=0.55

Wind reactions based on MMFRS pressures.



2'-2'-14" 9'-10'-13" Over 3 Supports R=565 U=170 W=4.95"

PLT TYP. Wave

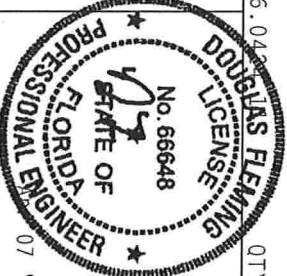
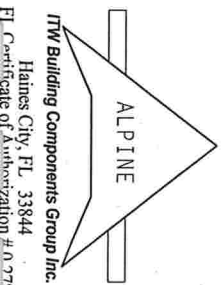
Design Crit: TPI-2002 (STD) / FBC Cq/RT=1.00 (1.25) / 0 (0)

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

Scale = .5" / Ft.

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

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

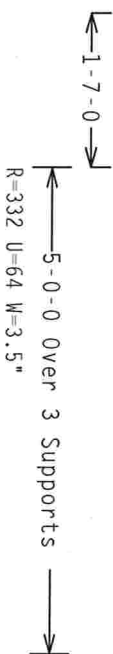


TC LL	20.0 PSF	REF R8228- 71166
TC DL	10.0 PSF	DATE 04/07/08
BC DL	10.0 PSF	DRW HCUSR8228 08098005
BC LL	0.0 PSF	HC-ENG DAL/AP
TOT.LD.	40.0 PSF	SEON- 71770
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TG8228201



110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

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

QTY:1

FL1-141-1-1R1-

Scale = 5" / Ft

**\*\*IMPORTANT\*\***URNISH 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 TROSS IN CONFORMANCE WITH THE OR FABRICATING, HANDLING, SHIPPING, INSTALLING BRACKETS OF TROSSES.

DESIGN CONDITIONS FOR APPLICABLE PROVISIONS OF 805 NATIONAL DESIGN SPEC. (BY AIRWAY AND TITL. THE BCG CONNECTION PLATES ARE MADE OF 20/18/160A (K/H/SS/A) ASTM A563 GRADE 40/60 (K/H/SS) GALV., STEEL. APPLY PLATES TO EACH FACE OF TUBES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1606-2. ANY SPECIFICATION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF P111-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TUBES COMPONENT DESIGN SIGNIF. THE SATURABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/PTI 1 SEC. 2.



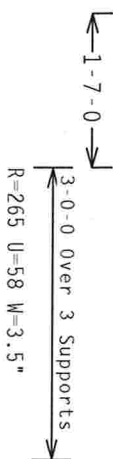
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BC LL	0.0 PSF	HC-ENG	DAL/AP
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DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TGH8228Z01

JREF- 1TG8228Z01

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART\_ENC. bldg, located anywhere in roof, CAT 1I, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.55

Wind reactions based on MWFRS pressures.

Wind reactions based on MWFRS pressures.

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

QTY:1

Scale = .5" / Ft.

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

DESIGN CONDITIONS ARE THE APPLICABLE PROVISIONS OF MOST NATIONAL DESIGN SPEC. BY AREA AND TP1.  
CONCRETE PLATES ARE MADE OF 2018/166A (N.H./SS/V) ASTM A563 GRADE 50/60 (N. K.I./SL) GAST. STEEL. APPLY  
PLATES TO EACH FACE OF TRUSS AM. UNLESS OTHERWISE LOCATED ON THIS-2010, POSITION PER DRAWINGS 1606-2.  
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP1-2010 SEC.2. A SEAL ON THIS  
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT  
DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE  
BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.

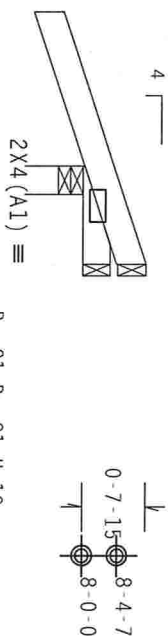


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TC DL	10.0 PSF	DATE	04/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08098001
BC LL	0.0 PSF	HC-ENG	DAL/AP *
TOT.LD.	40.0 PSF	SEQN-	71774
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TGH8228Z01

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$  GCPI(+/-)=0.55

Wind reactions based on MWFRS pressures.

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



R=-59 R<sub>w</sub>=31 U=39

R=-21 R<sub>w</sub>=21 U=19

1-7-0  
1-0-0 Over 3 Supports

R=264 U=80 W=3.5"

PLT TYP. Wave

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

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

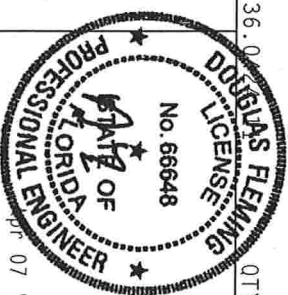
7.36.0

QTY:1

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

Scale = .5"/Ft.

\*\*\*\*\*WARNING\*\*\*\*\* TRUCKS, RELOCATOR, EXTERIOR CEMENT, FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO DC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND MICA 6000 TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES RELATIVE TO PERFORMING THESE OPERATIONS. UNDESSED OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

[illegible]

Apr 07, 08

**ITW Building Components Group Inc.**  
Haines City, FL 33844  
FL Certificate of Authorization # 0 079

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2

DUR.FAC.	1.25
SPACING	24.0

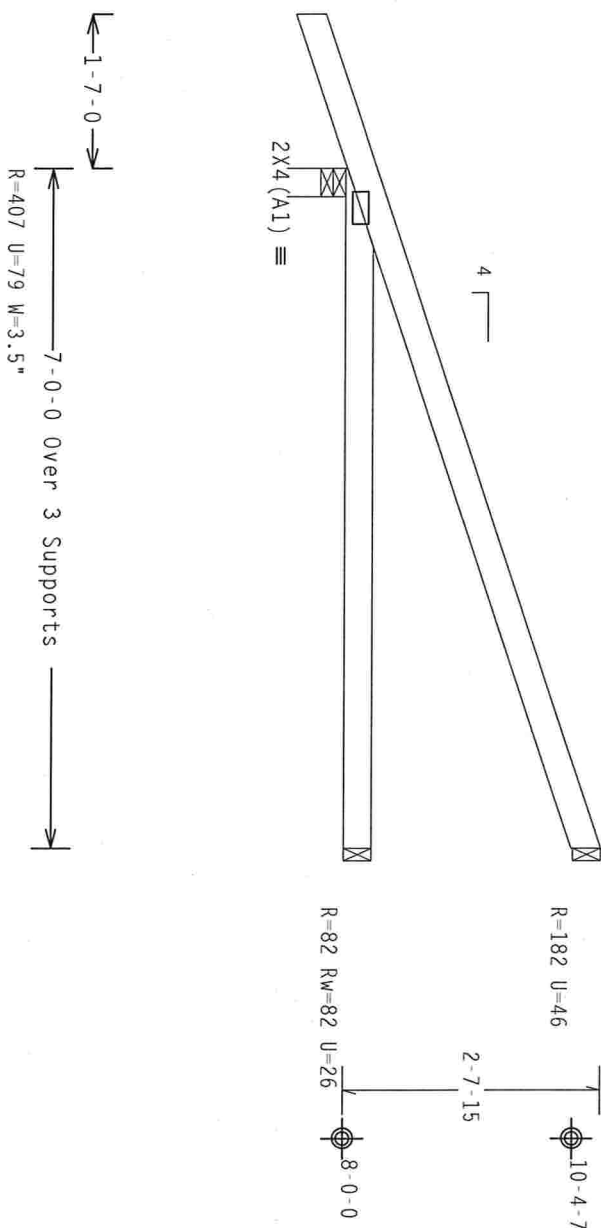
FROM AH  
JREF - 1TGH8228Z01

THE UNIVERSITY OF CHICAGO

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp(1/-)=0.55

Wind reactions based on MWFRS pressures.

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



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

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

7.36.04

QTY:1

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

Scale = .5" / Ft.

\*\*\*\*\*WARNING\*\*\*\*\* TRUCKS (LOADING EXTERIOR GATE IN FABRICATION, UNLOADING, SHIPPING, INSTALLING AND BROCHING REFER TO GC#1 (BUILDING COMPONENT SAFETY INFORMATION)). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD JOINT AND CONNECTIONS INSTITUTE OF AMERICA), 64000 INTERSTATE LAKE, MADISON, WI, 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED GRID CEILING.

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

TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION AND ORIGINATE FROM CONNECTION PLATES ARE MADE OF 20/18/16GA (W.H/SS/K) ASIM A653 GRADE 40/60 (W. K/H,SS) GALV. STEEL. APPLY

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

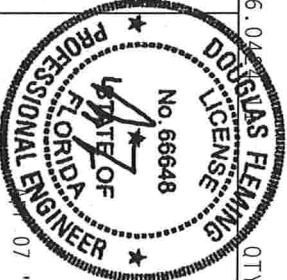
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

**ITW Building Components Group Inc.**

Haines City, FL 33844

FI Certificate of Authorization # 0 278



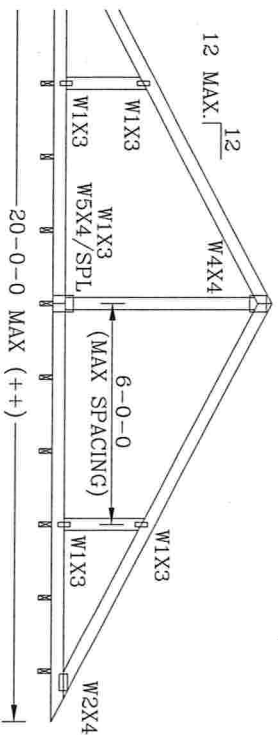
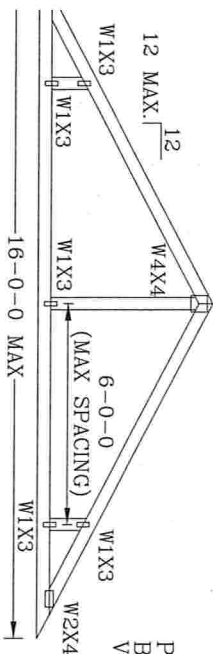
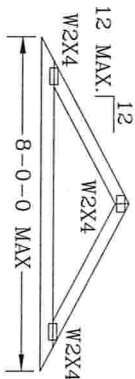
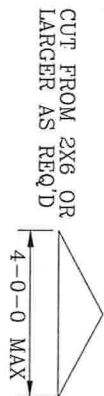
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TC DL	10.0 PSF	DATE	04/07/08
BC DL	10.0 PSF	DRW	HCUSR8228 08098003
BC LL	0.0 PSF	HC-ENG	DAL/AP *
TOT.LD.	40.0 PSF	SEQN-	71760
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TGH8228Z01

# VALLEY TRUSS DETAIL

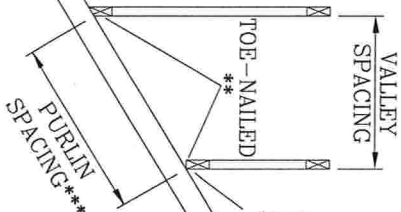
TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.  
BOT CHORD 2X3(\*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.  
WEBS 2X4 SP #3 OR BETTER.

\* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).

\*\* ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH:  
(2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR  
SBC 110 MPH, ASCE 7-93 110 MPH OR ASCE 7-98,  
ASCE 7-02 OR ASCE 7-05 130 MPH. 15' MEAN  
HEIGHT, ENCLOSED BUILDING, EXP. C, RESIDENTIAL,  
WIND TC DL=5 PSF

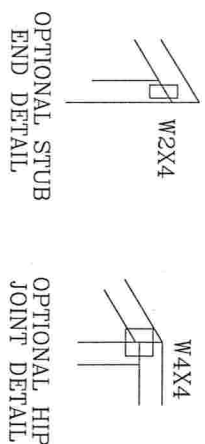
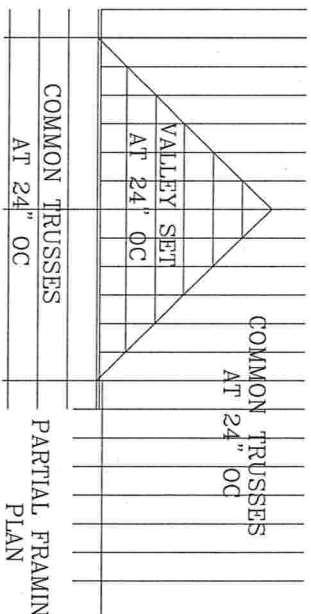


SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.




\*\*\* NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.  
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".  
BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.

UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "T"-BRACE, 80% LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED WITH 8d BOX (0.113" X 2.5") NAILS AT 6" OC, OR CONTINUOUS LATERAL BRACING, EQUALLY SPACED, FOR VERTICAL VALLEY WEBS GREATER THAN 7'9".  
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".  
TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH:  
PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS INSTALLATION  
OR  
PURLINS AT 24" OC OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN  
OR  
BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON ENGINEERS' SEALED DESIGN.



THIS DRAWING REPLACES DRAWING A105

ITW BUILDING COMPONENTS GROUP, INC. POMPAHO BEACH, FLORIDA				<p>***WARNING*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA. 22319) AND WICHA (WOOD TRUSS COUNCIL OF AMERICA, 6900 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.</p> <p>***IMPORTANT*** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH APPLICABLE CODES, HANDLING, SHIPPING, INSTALLING &amp; BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE CODES AND CONSTRUCTION DESIGN SPEC. BY ARCHITECT AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 20 GA. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED IN THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY CD 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.</p>																																											
				<table><thead><tr><th></th><th>TC LL</th><th>30</th><th>30</th><th>40 PSF</th><th>REF</th></tr></thead><tbody><tr><td></td><td>TC DL</td><td>20</td><td>15</td><td>7 PSF</td><td>DATE 2/23/07</td></tr><tr><td></td><td>BC DL</td><td>10</td><td>10</td><td>10 PSF</td><td>DRWG VALTRUSS0207</td></tr><tr><td></td><td>BC LL</td><td>0</td><td>0</td><td>0 PSF</td><td>-ENG MLH/KAR</td></tr><tr><td></td><td>TOT. LD.</td><td>60</td><td>55</td><td>57 PSF</td><td></td></tr><tr><td></td><td>DUR.FAC. 1.25/1.33</td><td>1.15/1.15</td><td></td><td></td><td></td></tr><tr><td></td><td>SPACING</td><td>24"</td><td></td><td></td><td></td></tr></tbody></table>			TC LL	30	30	40 PSF	REF		TC DL	20	15	7 PSF	DATE 2/23/07		BC DL	10	10	10 PSF	DRWG VALTRUSS0207		BC LL	0	0	0 PSF	-ENG MLH/KAR		TOT. LD.	60	55	57 PSF			DUR.FAC. 1.25/1.33	1.15/1.15					SPACING	24"			
	TC LL	30	30	40 PSF	REF																																										
	TC DL	20	15	7 PSF	DATE 2/23/07																																										
	BC DL	10	10	10 PSF	DRWG VALTRUSS0207																																										
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	DUR.FAC. 1.25/1.33	1.15/1.15																																													
	SPACING	24"																																													





Gulf Coast  
Supply & Mfg. Inc.

# GULF-LOK PANEL STANDING SEAM

State of Florida  
Approved



Residence - Carrabelle, Florida



The Gulf-Lok standing seam roofing system is the perfect choice in top-of-the-line roofing for residential and commercial applications and is our most popular, as well as our most cost-effective, standing seam roofing panel. Gulf-Lok features a 1" rib with slotted screw strip on the under-lap side for concealed fasteners, and comes in either Galvalume or any of over 20 colors of 24 gauge steel. Panels are available with either 12- or 16-inch coverage, with on-site manufacturing as the most popular option for delivery. For details and information about Gulf-Lok (including color availability), contact your Gulf Coast representative.

Colors are representative of colors offered and are not intended for matching purposes.

Patina  
Green

Spice  
Burgundy

Dark  
Bronze

Regal  
White

Matte  
Black

Patric  
Bronze

Sand  
Stone

Evergre

Hartfo  
Green

Roma  
Blue

Rega  
Blue

Colom  
Red

Brite  
Red

Brand  
wine

Mansa  
Brown

Slav  
Gray

As  
Gray

Char  
Gray

Copp  
Penny

Medi  
Brown



Gulf Coast  
Supply & Mfg. Inc.

# GULF-LOK PANEL STANDING SEAM

## Features:

**Colors:** 20+ Colors Available  
Color Chart Available Upon  
Request. Also Available in  
Mill Finished Galvalume.

**Coverage:** 12" & 16" Net Coverage

**Gauge:** 24 Gauge Steel

**Substrate:** AZ-50 Galvalume (Painted)  
AZ-55 Galvalume (Mill  
Finish)

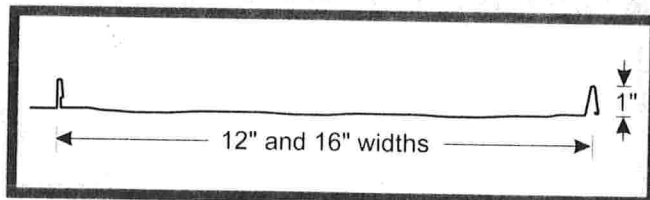
**Warranty:** 40 years

**Testing:** UL580/UL1897 – Uplift Test  
Florida State Approval

**Minimum slope:** 3:12

**Substructure:** 15/32" CDX (minimum)

**Installation:** Detail Manual /  
Installation Guide –  
Available Upon Request



Colors are representative of colors offered and are not intended for matching purposes.

Pa  
Gr

San  
Br

Da  
Bro

Reg  
Wh

Mat  
Blac

Patric  
Bron

San  
Ston

Everg

Hartic  
Gree

Roma  
Bluc

Rega  
Bluc

Colom  
Red

Brite  
Red

Brandy  
wine

Mansa  
Brown

Slac  
Gr

Ac  
Gr

Charco

Copper  
Penny

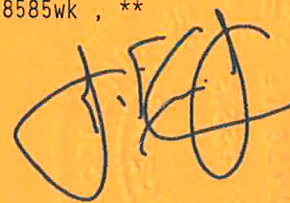
Mediun  
Bronze



# 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: ITE98228Z0521075904

Truss Fabricator: Anderson Truss Company  
Job Identification: 8-020--OWNER BUILDER Mitchell Saad -- 386-454-7298//397-8585wk , \*\*  
Truss Count: 18  
Model Code: Florida Building Code 2004 and 2006 Supplement  
Truss Criteria: ANSI/TPI-2002(STD)/FBC  
Engineering Software: Alpine Software, Version 7.36.  
Structural Engineer of Record: The identity of the structural EOR did not exist as of  
Address: the seal date per section 61G15-31.003(5a) of the FAC  
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration  
Floor - N/A  
Wind - 110 MPH ASCE 7-02 -Closed



Seal Date: 01/21/2008

-Truss Design Engineer-  
James F. Collins Jr.

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

## Notes:

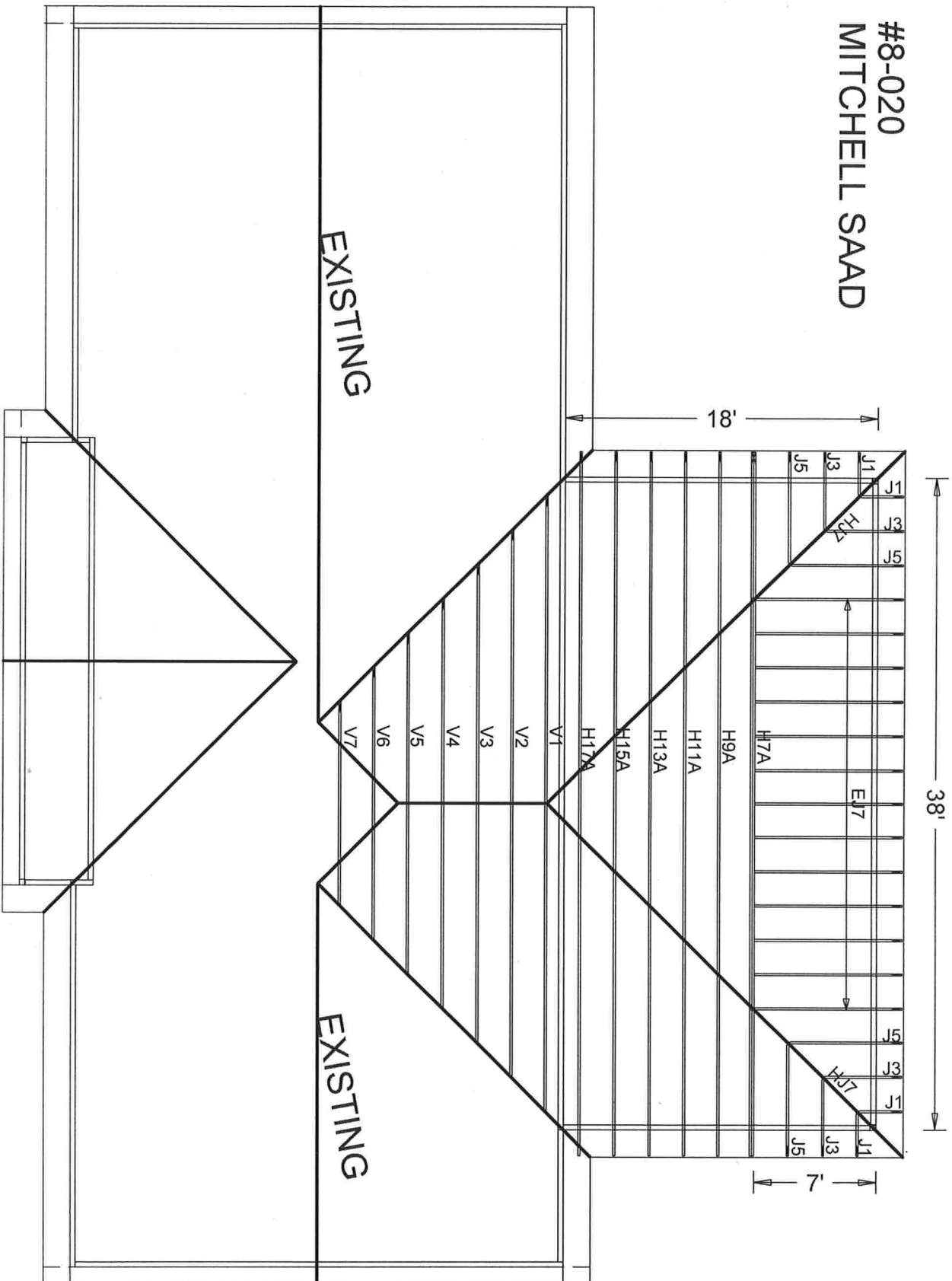
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown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

Details: VALTRUSS-

#	Ref	Description	Drawing#	Date
1	26384--H7A		08021005	01/21/08
2	26385--H9A		08021006	01/21/08
3	26386--H11A		08021007	01/21/08
4	26387--H13A		08021008	01/21/08
5	26388--H15A		08021009	01/21/08
6	26389--H17A		08021010	01/21/08
7	26390--V1		08018044	01/18/08
8	26391--V2		08018040	01/18/08
9	26392--V3		08018041	01/18/08
10	26393--V4		08018042	01/18/08
11	26394--V5		08018043	01/18/08
12	26395--V6		08021003	01/21/08
13	26396--V7		08021004	01/21/08
14	26397--EJ7		08021011	01/21/08
15	26398--J5		08021012	01/21/08
16	26399--HJ7		08021013	01/21/08
17	26400--J3		08021014	01/21/08
18	26401--J1		08021015	01/21/08



# #8-020 MITCHELL SAAD



JOB DESCRIPTION:: OWNER BUILDER  
/: Mitchell Saad

JOB NO:  
8-020

PAGE NO:  
1 OF 1



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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg,  
Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind  
BC DL=5.0 psf. 1w=1.00 GCPI (+/-)=0.55

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. Creep increase  
factor for dead load is 1.50.

## 2 COMPLETE TRUSSES REQUIRED

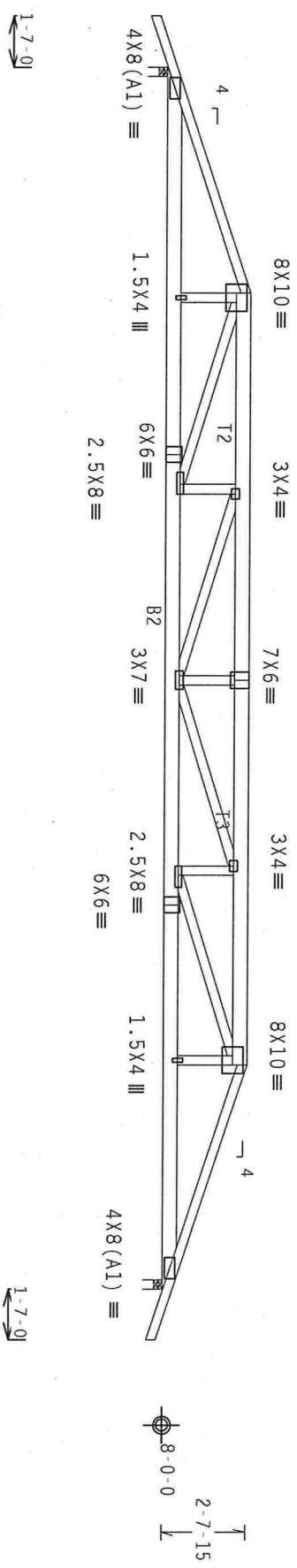
Nailing Schedule: (12d Common (0.148"x3.25", min.)\_nails)

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

Roof overhang supports 2.00 psf soffit load.

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

Calculated vertical deflection is 0.55" due to live load and  
0.84" due to dead load at X = 19-0-0.



1-7-0  
7-0-0  
24-0-0  
38-0-0 Over 2 Supports  
R=3206 U=764 W=3.5"

PLT TYP. Wave

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

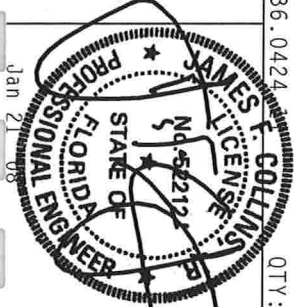
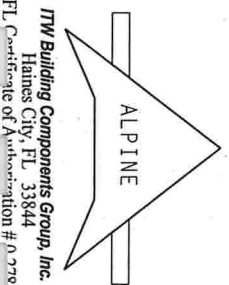
QTY: 1

FL/-/4/-/R/-

Scale = .1875"/ft.

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

**\*\*IMPORTANT\*\*** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS. THE TRUSS IS TO BE USED IN THE NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314 AND WICK (WOOD) TRUSS COUNCIL OF AMERICA, ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



TC LL	20.0 PSF	REF	R8228- 26384
TC DL	10.0 PSF	DATE	01/21/08
BC DL	10.0 PSF	DRW	HCSUR8228 08021005
BC LL	0.0 PSF	HC-ENG	DAL/AP
TOT.LD.	40.0 PSF	SEON-	71763
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	DRFF-	1TE98228205

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCPl(+/-)=0.55

Wind reactions based on MWFRS pressures.

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

Calculated vertical deflection is 0.42" due to live load and 0.62" due to dead load at  $X = 15-8-9$ .



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

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

7.36.0424.11

QTY:1

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

Scale = .1875"/Ft.

\*\*\*\*\*WARNING\*\*\*\*\* FRAMES (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATING INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MOUNTAIN, NJ 07039) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

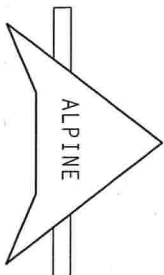
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AIA/PFA) AND TPI. ITW BCG

PLATES TO EACH FACE OF JOINTS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE RETURNED AS OF THIS 2000 SEE 2

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE CONTRACTING AND ENGINEERING PROFESSIONAL, ENGINEERING RESPONSIBILITY SOLELY FOR THE CROSS COMPONENT

1. *Chlorophyll a* (Chl *a*)

**ITW Building Components Group, Inc.**  
Haines City, FL 33844  
FL Certificate of Authorization # 00790



TC LL	20.0 PSF	REF	R8228 - 26385
TC DL	10.0 PSF	DATE	01/21/08
BC DL	10.0 PSF	DRW	HCUSR8228 08021006
BC LL	0.0 PSF	HC-ENG	DAL/AP
TOT.LD.	40.0 PSF	SEQN -	71777
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1TE98228Z05

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

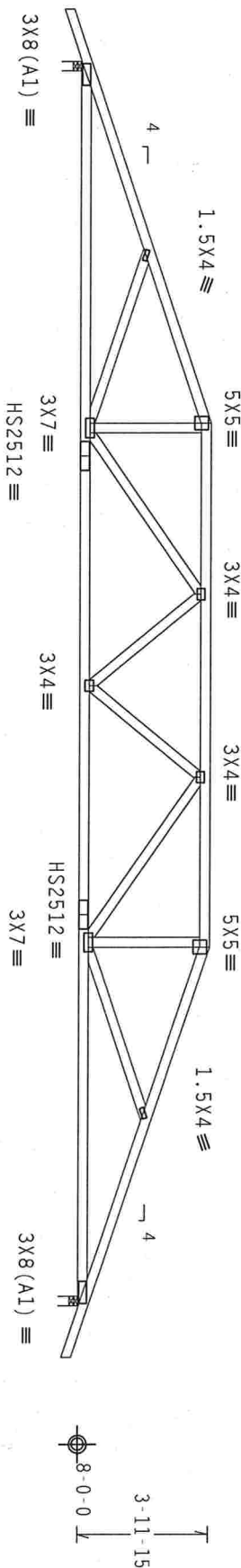
Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1W=1.00 gcpl(+/-)=0.55

Wind reactions based on MWFRS pressures.

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



1-7-01 11-0-0 16-0-0 11-0-0 1-7-01  
R=1644 U=387 W=3.5"

PLT TYP. 20 Gauge HS.Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.0424

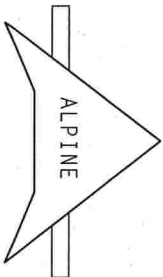
QTY:1

FL/-/4/-/R/-

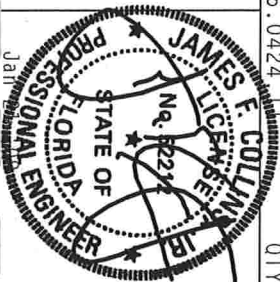
Scale = .1875"/Ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS POINT OF INTEREST, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. BY ACPA) AND TPI. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR WOOD) AND TPI. ITW BCG STATES EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1600-2. ANY DEVIATION FROM THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 0-778



TC LL	20.0 PSF	REF R8228- 26386
TC DL	10.0 PSF	DATE 01/21/08
BC DL	10.0 PSF	DRW HCUSR8228 08021007
BC LL	0.0 PSF	HC-ENG DAL/AP *
TOT.LD.	40.0 PSF	SEON- 71794
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TE98228205

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCPI(+)=0.55

Wind reactions based on MWFRS pressures.

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



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

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

7.36.0424

QTY:1

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

Scale = .1875"/Ft.

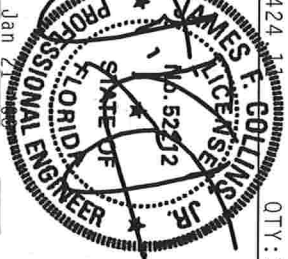
A PROPERLY ATTACHED RIGID CEILING.

TYPE: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

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

DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND ANALYST. SEE 3.

BUILDING DESIGNER PER ANSI/AP1 1 SEC. 2.



**ITW Building Components Group, Inc.**  
Haines City, FL 33844  
FL Certificate of Authorization # 0 0790

TC LL	20.0 PSF	REF	R8228 - 26387
TC DL	10.0 PSF	DATE	01/21/08
BC DL	10.0 PSF	DRW	HCUSR8228 08021008
BC LL	0.0 PSF	HC-ENG DAL/AP	*
TOT.LD.	40.0 PSF	SEQN -	71799
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1TE98228205



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

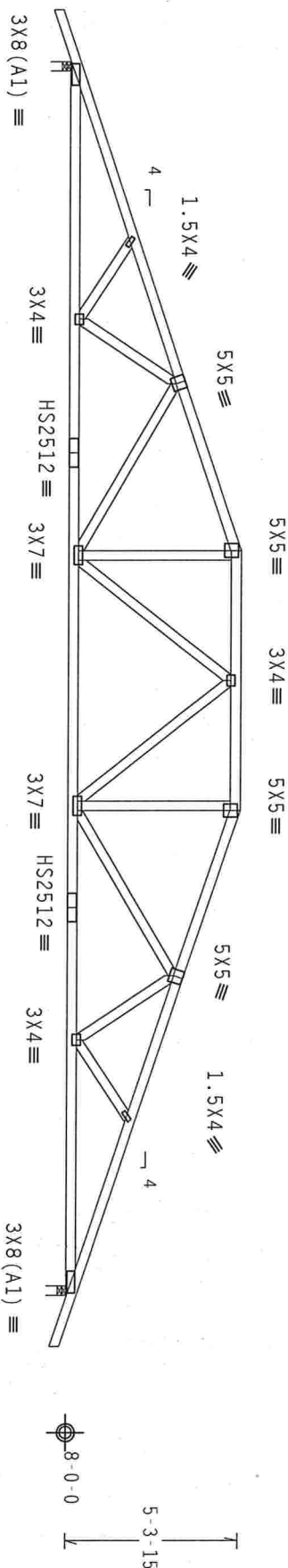
Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 Gcpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

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



15'-0'-0" 8'-0'-0" 15'-0'-0"  
38'-0'-0" Over 2 Supports  
R=1644 U=385 W=3.5"

PLT TYP. 20 Gauge HS,Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.0424

QTY:1

FL/-/4/-/R/-

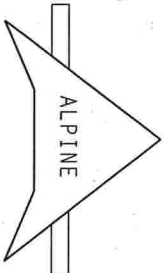
Scale = .1875"/ft.

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

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. ITW BCG PLATES AND PURLINS ARE MADE OF 20/18/16GA (W/H/SS/K) ASTM A653 GRADE 40/60 (K/4/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160B-2, 160C-2, 160D-2, 160E-2, 160F-2, 160G-2, 160H-2, 160I-2, 160J-2, 160K-2, 160L-2, 160M-2, 160N-2, 160O-2, 160P-2, 160Q-2, 160R-2, 160S-2, 160T-2, 160U-2, 160V-2, 160W-2, 160X-2, 160Y-2, 160Z-2.

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



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



TC LL	20.0 PSF	REF	R8228- 26388
TC DL	10.0 PSF	DATE	01/21/08
BC DL	10.0 PSF	DRW	HCSUR8228 08021009
BC LL	0.0 PSF	HC-ENG	DAL/AP *
TOT.LD.	40.0 PSF	SEQN-	71802
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	ITE98228205



[illegible]

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

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC

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

QTY:1

Scale = .1875"/Ft.



OFFICE OF THE  
SHERIFF  
COUNTY OF LOS ANGELES  
CALIFORNIA

WORLDWIDE

ORIGINAL EVIDENCE

00-17 1100

[illegible]

ud

SPACING 24.0"

REF - 11E98228705

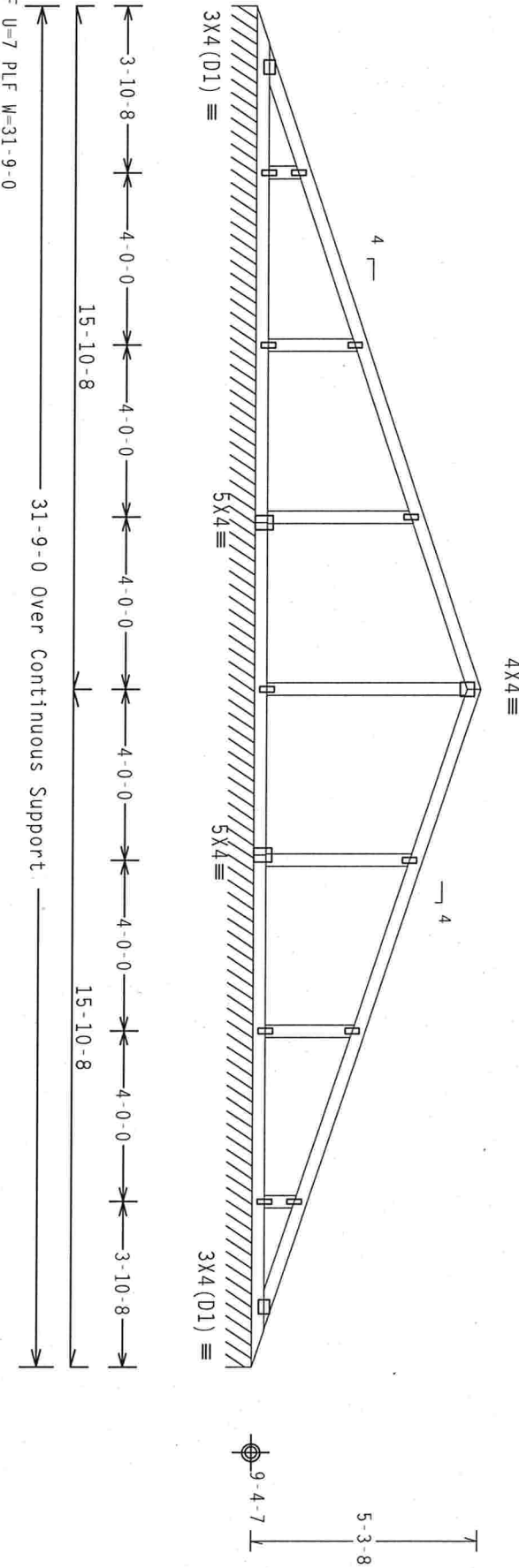
( 8-020--OWNER BUILDER Mitchell Saad -- 386-454-7298//397-8585WK , \*\* - V2 )

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

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

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

Wind reactions based on MMFRS pressures.  
See DWG VALTRUSS0207 for valley details.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

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

7.36.0424

QTY:1

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

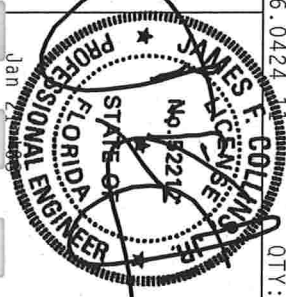
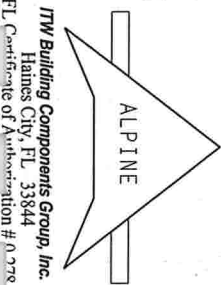
Scale = .25"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENTS, INC. FOR TRUSS FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WICK (WOOD) TRUSS COUNCIL OF AMERICA, 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH TPI-2002(STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI-2002(STD). CONNECTIONS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2.

PLATES TO EACH FACE OF TRUSS FOLLOWED BY (1) SHALL BE PER AIA/AIA 33 OF TPI-2002 SEC.3.3. A SEAL ON THIS DRAWING INDICATES THE SIGNATURE AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

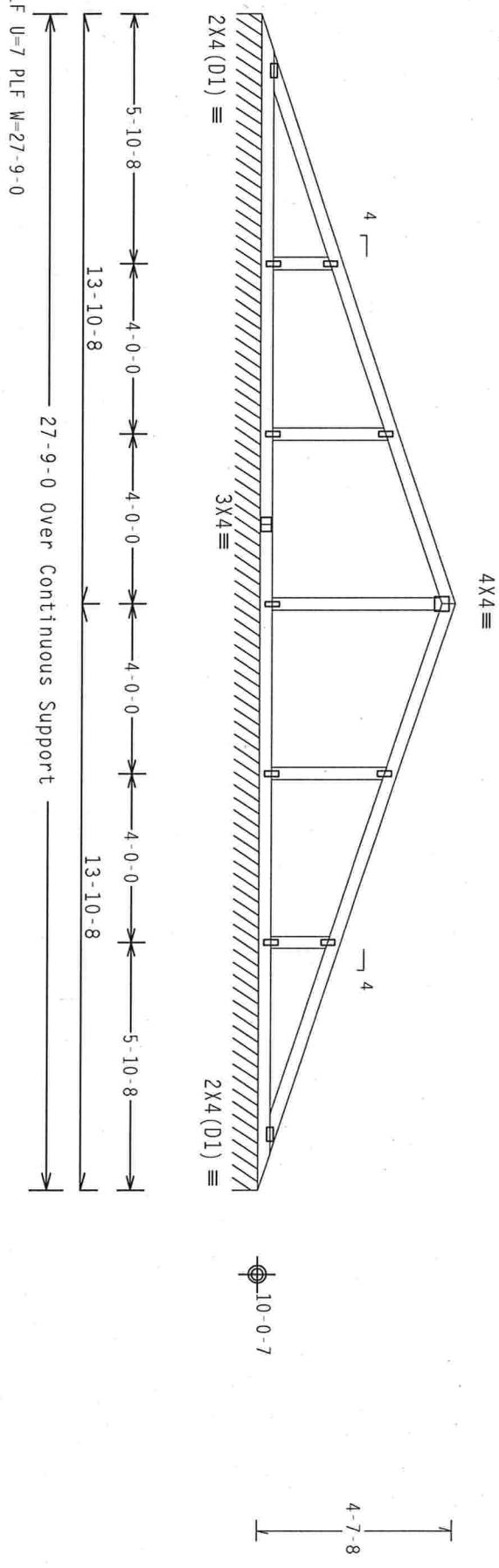


TC LL	20.0 PSF	REF	R8228- 26391
TC DL	10.0 PSF	DATE	01/18/08
BC DL	10.0 PSF	DRW	HCSUR8228 08018040
BC LL	0.0 PSF	HC-ENG	DLJ/DLJ *
TOT.LD.	40.0 PSF	SEON-	71557
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TE9822R205

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

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

Wind reactions based on MMFRS pressures.  
See DWG VALTRUSS0207 for valley details.



Note: All Plates Are 1.5X4 Except As Shown.

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

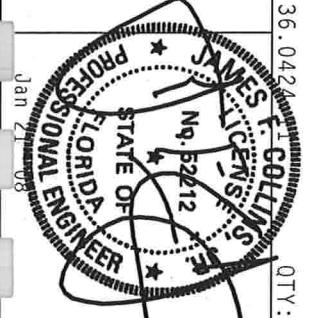
\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS COUNCIL OF AMERICA, NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WICK (GOOD) TRUSS COUNCIL OF AMERICA, ENTERPRISE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

\*\*\*IMPORTANT\*\*\* TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITN BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE 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. ITN BCG CONNECTOR PLATES ARE MADE OF 20/10/16GA (W/H/SS/K) ASTM A653 GRADE 40/60 (W/ H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE SUFFICIENT OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE SUFFICIENT OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization #0370



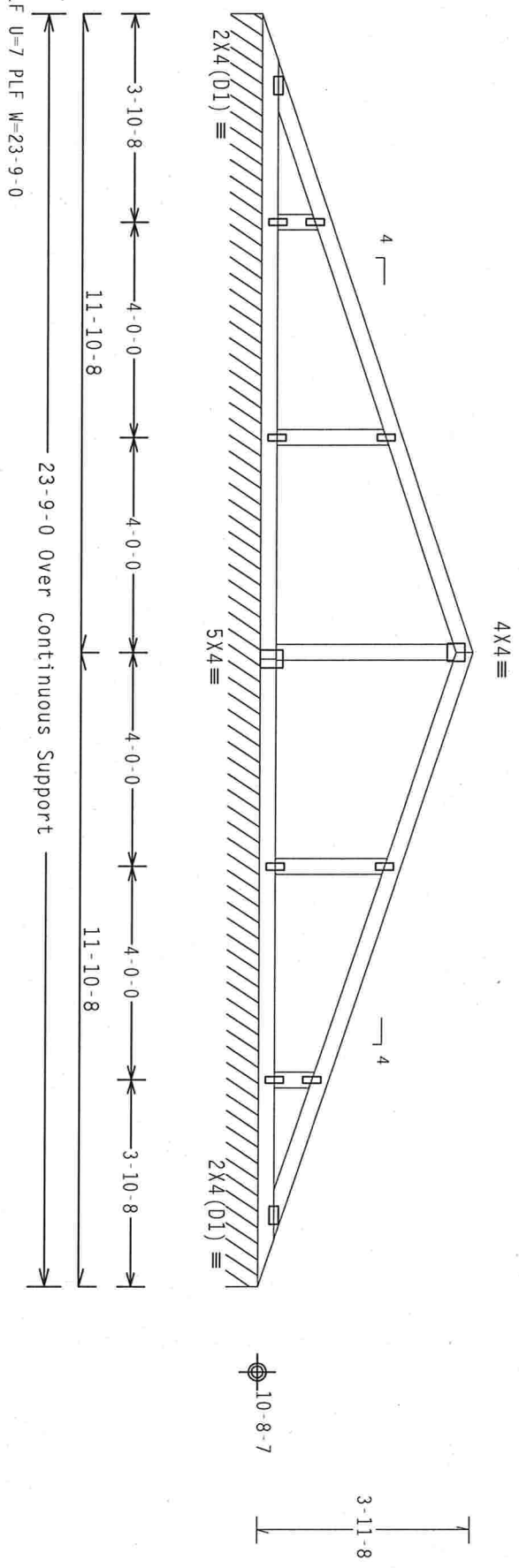
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TC DL	10.0 PSF	DATE 01/18/08
BC DL	10.0 PSF	DRW HCUSR8228 08018041
BC LL	0.0 PSF	HC-ENG DLJ/DLJ *
TOT.LD.	40.0 PSF	SEQN- 71564
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TE98228205



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

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

Wind reactions based on MMFRS pressures.  
See DWG VALTRUSS0207 for valley details.



Note: All Plates Are 1.5X4 Except As Shown.

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

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SS) ASH 6053 GRADE 40/60 (W/ H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE SIGNATURE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWS THE SIGNATURE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

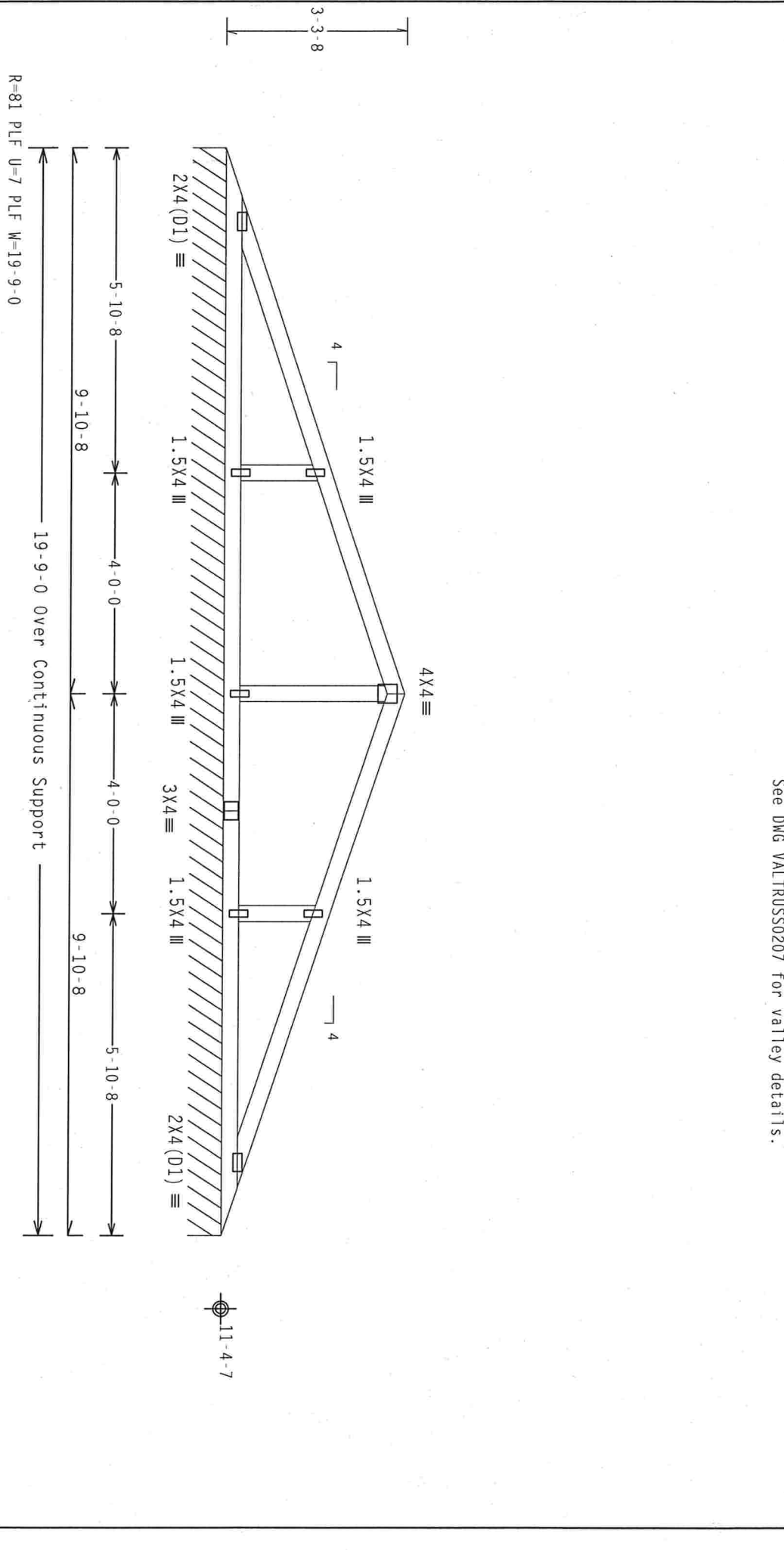
ITW Building Components Group, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization #0270



TC LL	20.0 PSF	REF	R8228- 26393
TC DL	10.0 PSF	DATE	01/18/08
BC DL	10.0 PSF	DRW	HCSUR8228 08018042
BC LL	0.0 PSF	HC-ENG	DLJ/DLJ *
TOT.LD.	40.0 PSF	SEQN-	71569
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TE98228Z05

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

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



PLT TYP. Wave

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

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

**ITW Building Components Group, Inc.**  
Haines City, FL 33844  
FL Certificate of Authorization # 0379

**ALPINE**

**WARNING:** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS & JOIST INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**IMPORTANT:** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2010/1066 (W/H/SS) ASTM A653 GRADE 40/60 (K/4/SS) GALV. STEEL. APPLY TO ALL TRUSS JOINTS AND TO ALL TRUSS MEMBERS LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES, JOINTS AND TRUSS MEMBERS SHALL BE CONDUCTED BY A QUALIFIED PERSONNEL. A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER. DESIGNER'S SIGNATURE SHALL BE LOCATED ON THIS DRAWING. THE SIGNATURE AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

**PROFESSIONAL ENGINEER**  
STATE OF FLORIDA  
No. 12219  
Jan 2019

TC LL	20.0 PSF	REF	R8228- 26394
TC DL	10.0 PSF	DATE	01/18/08
BC DL	10.0 PSF	DRW	HCSUR8228 08018043
BC LL	0.0 PSF	HC-ENG	DLJ/DLJ *
TOT.LD.	40.0 PSF	SEQN-	71574
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TE98228205

THIS WORK PREPARED FROM COMPUTER INPUT (LVAUS & DIMENSIONAL) SUBMITTED BY IKUSS MTK.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART\_ENC, bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCp1(+)=0.55

Wind reactions based on MWFRS pressures.

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



Scale = .5" / Ft.

-15-9-0 Over Continuous Support



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

TC LL	20.0 PSF	REF- R8228- 26395
TC DL	10.0 PSF	DATE 01/21/08
BC DL	10.0 PSF	DRW HCUR8228 08021003
BC LL	0.0 PSF	HC-ENG DAL/AP *
TOT.LD.	40.0 PSF	SEQN- 71748
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TE9R228205

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DLE=5.0 psf, wind BC DLE=5.0 psf. Iw=1.00 Gcpi(+)=0.55

Wind reactions based on MMFRS pressures.  
See DWG VALTRUSS0207 for valley details.



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

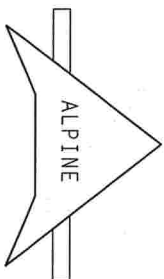
 $Cq/RT=1.00(1.25)/0(0)$ 

QTY:1

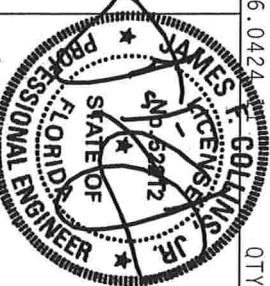
FL/-/4/-/-/R/-/

Scale = .5" / Ft.

**WARNING:** ALL TRUSSES (INCLUDING EXISTING CASE IN FABRICATION), MANUFACTURING, SHIPPING, UNLOADING, INSTALLING AND BRACING REFER TO GC#1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MONTGOMERY, MD 53179) FOR SAFETY PRACTICES AND WELDS 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]

**ITW Building Components Group, Inc.**  
Haines City, FL 33844  
FL Certificate of Authorization # 00370



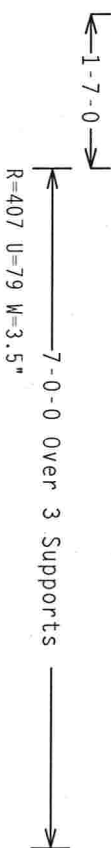
Jan 21 08

TC LL	20.0 PSF	REF	R8228 - 26396
TC DL	10.0 PSF	DATE	01/21/08
BC DL	10.0 PSF	DRW	HCU8R8228 08021004
BC LL	0.0 PSF	HC-ENG	DAL/AP
TOT.LD.	40.0 PSF	SEON-	71752
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TE98228Z05

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp(+)=0.55

Wind reactions based on MWFRS pressures.

Wind reactions based on MWFRS pressures.



Scale = .5" / Ft.

6.0424  
QTY

6.042A  
JAMES F. COLLINS JR.  
F. GENSE  
NOV 5 1992  
OT

BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TROSS IN CONFORMANCE WITH THIS OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, JOISTS, RAFTERS, OR OTHER ROOFING MEMBERS OR ANY OTHER STRUCTURAL MEMBER OF THE ROOF OR WALL SYSTEM SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TC LL	20.0 PSF	REF	R8228- 26397
TC DL	10.0 PSF	DATE	01/21/08
BC DL	10.0 PSF	DRW	HCS08228 08021011
BC LL	0.0 PSF	HC-ENG	DAL/AP *
TOT.LD.	40.0 PSF	SEQN-	71760
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TE98228205



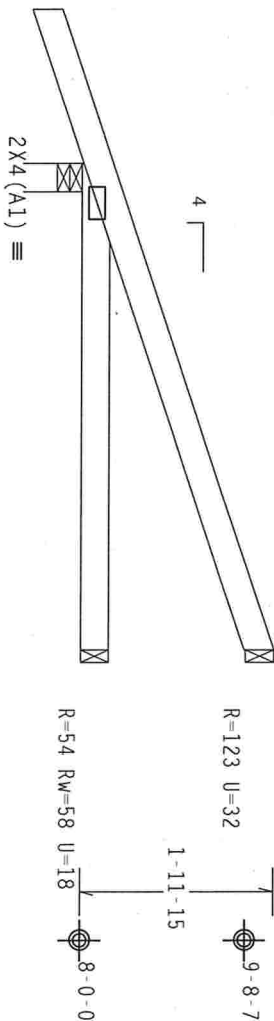
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense

Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpl(+/-)=0.55

Wind reactions based on MMFRS pressures.



PLT TYP. Wave

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

7.36.0424

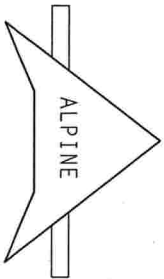
QTY: 1

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

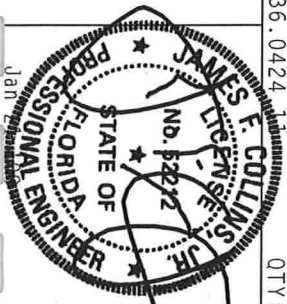
Scale = .5" / Ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, INCLUDING THE FOLLOWING: 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. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/18GA (U, H/SS/K) ASTM A653 GRADE 40/60 (U, K/H/SS) GALV. STEEL. APPLY THE FOLLOWING TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160B-2, 160C-2, 160D-2, 160E-2, 160F-2, 160G-2, 160H-2, 160I-2, 160J-2, 160K-2, 160L-2, 160M-2, 160N-2, 160O-2, 160P-2, 160Q-2, 160R-2, 160S-2, 160T-2, 160U-2, 160V-2, 160W-2, 160X-2, 160Y-2, 160Z-2. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization # 0-376



TC LL	20.0 PSF	REF	R8228- 26398
TC DL	10.0 PSF	DATE	01/21/08
BC DL	10.0 PSF	DRW	HCSR8228 08021012
BC LL	0.0 PSF	HC-ENG	DAL/AP
TOT.LD.	40.0 PSF	SEQN-	71766
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	ITE98228205

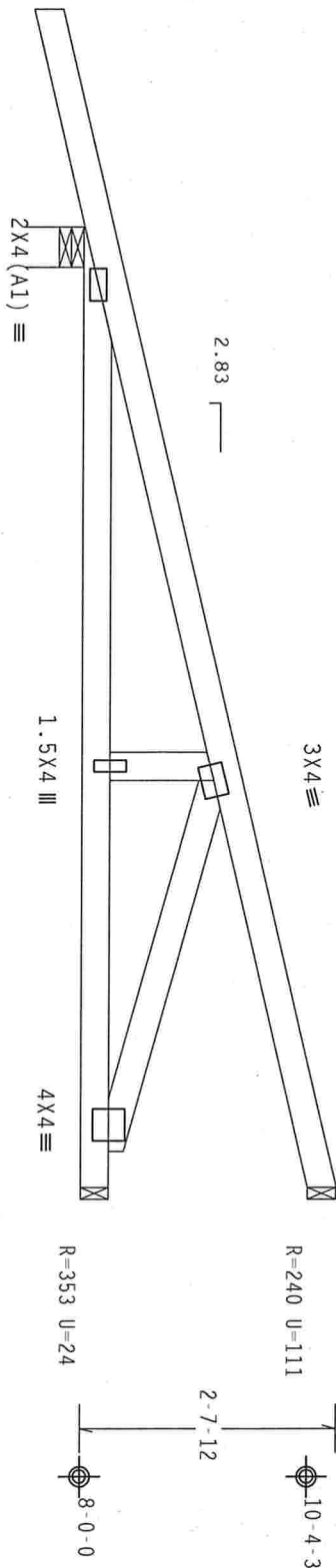
Top Chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART 1, ENC. b1dg, located anywhere in roof, CAT 1, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpl(+/-)=0.55

Wind reactions based on MFRS pressures.



R=565 U=170 W=4.95"

PLT TYP. Wave

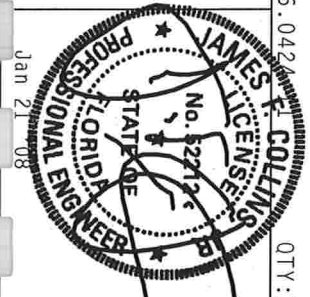
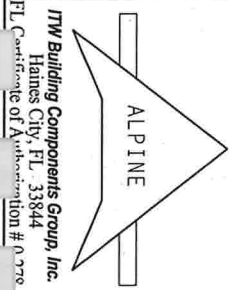
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/0(0)

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

Scale = .5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND AISC (GOOD THUS, CONCERN 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 TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (G./U./SS/K) ASTM A653 GRADE 40/60 (K. K./H./SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160B-2, 160C-2, 160D-2, 160E-2, 160F-2, 160G-2, 160H-2, 160I-2, 160J-2, 160K-2, 160L-2, 160M-2, 160N-2, 160O-2, 160P-2, 160Q-2, 160R-2, 160S-2, 160T-2, 160U-2, 160V-2, 160W-2, 160X-2, 160Y-2, 160Z-2. A SEAL ON THIS DRAWING INDICATES 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- 26399
TC DL	10.0 PSF	DATE	01/21/08
BC DL	10.0 PSF	DRW	HCSUR8228 08021013
BC LL	0.0 PSF	HC-ENG	DAL/AP
TOT.LD.	40.0 PSF	SEQN-	71770
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	ITE98228205

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART\_ENC. bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.55

Wind reactions based on MWFRS pressures.

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

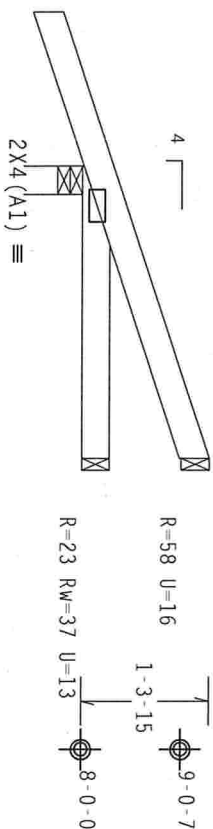


Diagram of a beam with dimensions and material properties:

- Top dimension:  $1-7-0$
- Bottom dimension:  $3-0-0$  Over 3 Supports
- Material properties:  $R=265$   $U=58$   $W=3.5"$

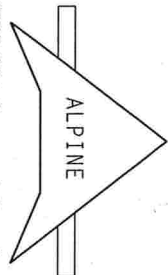
Scale = .5" / Ft.

\*\*\*WARNING\*\*\* TRUCKS RELOADING EXISTING CAGE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BC51 (OULUING COMPONENT SHEET INFORMATION) - PUBLISHED BY TPI (TRUSS PRACTICE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, 5300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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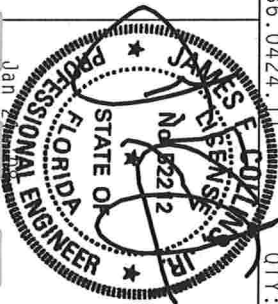
CONNECTOR PLATE SHALL BE MADE OF 20/18/16GA (W./H./SS/K) ASTM A653 GRADE 40/60 (W./K./H./SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TROUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. AT INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF 11-2002 SEC.3. A SEAL ON THIS

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



**ITW Building Components Group, Inc.**

Haines City, FL 33844  
FL Certificate of Authorization # 00796



FL / - / 4 / - / - / K / -		Scale = .5" / ft.	
TC LL	20.0 PSF	REF	R8228- 26400
TC DL	10.0 PSF	DATE	01/21/08
BC DL	10.0 PSF	DRW	HCUSR8228 08021014
BC LL	0.0 PSF	HC-ENG	DAL/AP *
TOT.LD.	40.0 PSF	SEQN-	71774
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TE98228205

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

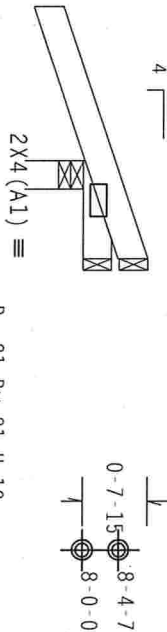
Roof overhang supports 2.00 psf soffit load.

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

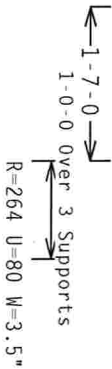
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART-ENC. bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpl (+/-)=0.55

Wind reactions based on MMFRS pressures.

R=-59 Rw=31 U=39



R=-21 Rw=21 U=19



PLT TYP. Wave

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

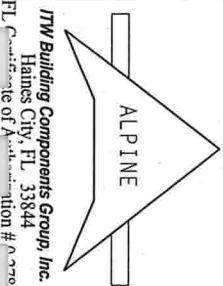
7.36.0424

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

Scale =.5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WICA (GOOD THINGS COMING) THESE FUNCTIONS, OTHERWISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AIA AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (GALV/SSX) ASTM A653 GRADE 40/60 (GALV/SS) GALV. STEEL. APPLY PLATE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING LOCATION OF PLATE FOLLOWED BY (1) SHALL BE PER AMER AS OF TPI-2002 SEC.3.3. A SEAL ON THIS DRAWING INDICATES THE SUPPLIER'S RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.  
Haines City, FL 33844  
FL Certificate of Authorization #A-270



TC LL	20.0 PSF	REF R8228- 26401
TC DL	10.0 PSF	DATE 01/21/08
BC DL	10.0 PSF	DRW HCUSR8228 08021015
BC LL	0.0 PSF	HC-ENG DAL/AP
TOT.LD.	40.0 PSF	SEQN- 71757
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- ITE98228205

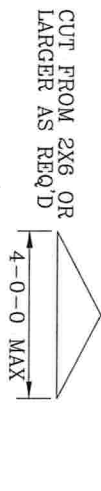
TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.  
BOT CHORD 2X3(\*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.  
WEBS 2X4 SP #3 OR BETTER.

WEBS 2X4 SP #3 OR BETTER.

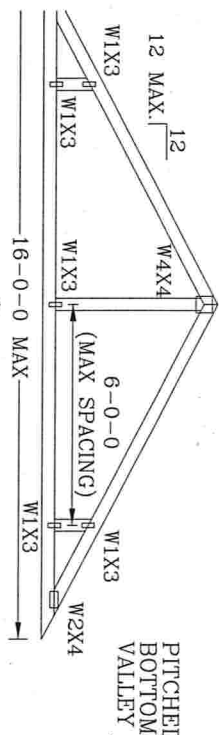
\* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).

ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH:

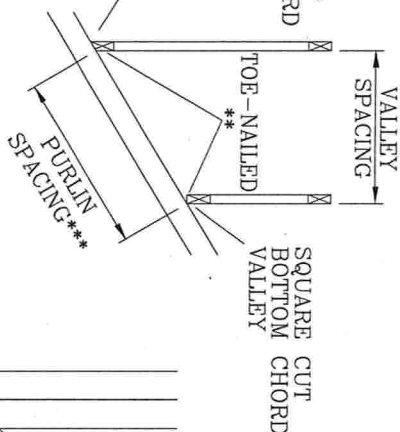
(2) 16d BOX (0.135 X 3.5") NAILS TOE-NAILED FOR SBC 110 MPH, ASCE 7-93 110 MPH OR ASCE 7-98, ASCE 7-02 OR ASCE 7-05 130 MPH. 15' MEAN HEIGHT, ENCLOSED BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF



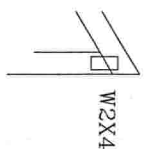
CUT FROM 2X6 OR  
LARGER AS REQ'D



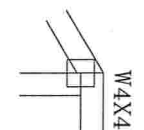
PITCHED CUT  
BOTTOM CHORD  
VALLEY



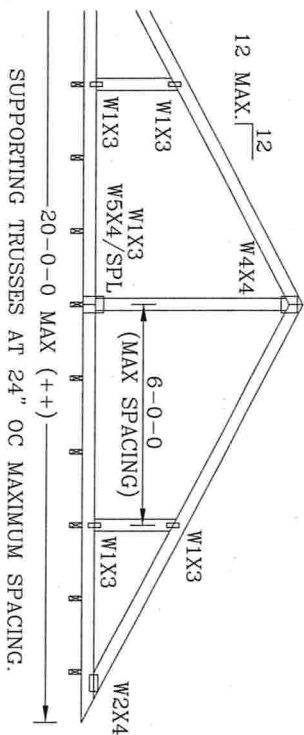
SQUARE CUT  
BOTTOM CHORD  
VALLEY



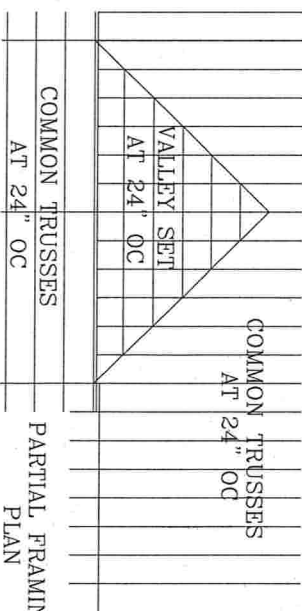
OPTIONAL STUB  
END DETAIL



OPTIONAL, HIP  
JOINT DETAIL



SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING



COMMON TRUSSES
AT 24" OC

## PARTIAL FRAMING PLAN

THIS DRAWING REPLACES DRAWING A105

ALPINE

**ITW BUILDING COMPONENTS GROUP, INC.**  
**POMPANO BEACH, FLORIDA**

\*\*VAINING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC01 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS (LATE INSTITUTE, 218 NORTH LEE ST., SUITE 312, ALEXANDRIA, VA 22314) AND VICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 NORTH LEE ST., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIONS. ALWAYS OVERLAP INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR APPLICABLE, HANDING, SHIPPING, INSTALLING, DESIGN & BRACING OF TRUSSES. DESIGN CONFORMS WITH TPI, OR APPLICABLE, PROVISIONS OF NDS NATIONAL DESIGN SPEC. BY A78-240 AND TPI.

1. BCG CONNECTOR PLATES ARE MADE OF 2016/16GA (4X)H/SX 45TH A653 GRADE 40/60 (4X)H/SX 45TH GALV. BCG CONNECTOR PLATES ARE MADE OF 2016/16GA (4X)H/SX 45TH A653 GRADE 40/60 (4X)H/SX 45TH GALV. DESIGN POSITION PER DRAWINGS 160A-2. ANY INTERFERENCE OF PLATES SHALL BE NOTED IN THIS PER ANNEA AS OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL AND 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.

NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN

UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "T"-BRACE, 80% LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED WITH 8d BOX (0.113" X 2.5") NAILS AT 6" OC, OR CONTINUOUS LATERAL BRACING EQUALLY SPACED, FOR VERTICAL VALLEY WEBS GREATER THAN 7'9".

MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0"

TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH:  
PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS  
INSTALLATION

PURLINS AT 24" OC OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN

BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON ENGINEERS' SEALED DESIGN.

TC LL	30	30	40PSF	REF	VALLEY	DETAIL

TC DL	20	15	7 PSF	DATE	2/23/07
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BC DL	10	10	10 PSF	DRWG	VALTRUSS0207
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BC LL	0	0	0	PSF	-ENG	MLH/KAR

TOT. I.D.	60	55	57	PSF
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[illegible]

DUR.FAC.1.25/1.33	1.15	1.15
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SPACING	24"
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# CAL-TECH TESTING, INC.

## ENGINEERING & TESTING LABORATORY

P.O. Box 1625, Lake City, FL 32056-1625  
4784 Rosselle St. • Jacksonville, FL 32254  
2230 Greensboro Hwy., Quincy, FL 32351

Lake City • (386) 755-3633

Fax • (386) 752-5456

Jacksonville • (904) 381-8901

Fax • (904) 381-8902

Quincy • (850) 442-3495

Fax • (850) 442-4008

JOB NO.: 08-205  
DATE TESTED: 04-08-08

### REPORT OF IN-PLACE DENSITY TEST

26816

ASTM METHOD: ☒ (D-2922) Nuclear ☐ (D-2937) Drive Cylinder ☐ Other

PROJECT: MITCHELL SAAD

CLIENT: MITCHELL SAAD

GENERAL CONTRACTOR: SAC EARTHWORK CONTRACTOR: SAC

SOIL USE (SEE NOTE): SPECIFICATION REQUIREMENTS: 95%

TECHNICIAN: S. OSTEEN

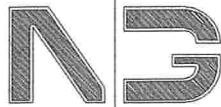
MODIFIED (ASTM D-1557): ☒ STANDARD (ASTM D-698):

TEST NO.	TEST LOCATION	TEST:	PROCTOR NO.	WET DENS. LBS./CU.FT.	DRY DENS. LBS./CU.FT.	MOIST PERCENT	% MAX. DENS.
		DEPTH ELEV. LIFT					
4.	12' FROM SE CORNER	12"	1	107.6	103.5	4.0	100.4
5	CENTER OF PORCH PAD	12"	1	113.8	108.1	5.3	104.8

REMARKS:

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT. MOIST.
1	RICHARDSON'S FORT WHITE PIT	103.1	10.8

NOTE: 1. Building Fill 2. Trench Backfill 3. Base Course 4. Subbase/Stabilized Subgrade 5. Embankment 6. Subgrade/Natural Soil 7. Other  
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 location and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.



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

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

13 MAY 2008

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

RE: SAAD RESIDENCE

PERMIT Nr.:

# 268/6

DEAR SIR:

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

1. IN LIEU OF THE TRUSS ANCHORS SPECIFIED IN THE PLANS, IT IS  
PERMISSIBLE TO USE "SIMPSON" H16 ANCHORS OR OTHER "SIMPSON"  
ANCHORS, EQUAL OR EXCEEDING THE DESIGN LOADS AS INDICATED IN  
THE ENGINEERED TRUSS SHOP DRAWINGS.

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

YOURS TRULY,  
NICHOLAS PAUL GEISLER, ARCHITECT AR0007005

# NOTICE OF TREATMENT

Applicator Name McCall Service  
Address 415 NW 250 St Suite 1  
City Newberry  
Time 10:46 Date 5-29-08

626816

## SITE LOCATION

Lot # \_\_\_\_\_ Block # \_\_\_\_\_ Permit # 000026816

Subdivision \_\_\_\_\_

Address 349 SW Thorn LN

Name of Chemical Applied Premise Pro Used .05 %

Area Treated 1288 sq ft 136 LN ft

Gallons Used 213 gals

Remarks Soil Treatment on patio Pool  
Addition



# NOTICE OF TREATMENT

Applicator Name Mc Call Service  
Address 415 NW 250th ST Suite 1  
City Newberry  
Time 7:48 Am Date 11-8-08  
26816

## SITE LOCATION

26816

Lot # \_\_\_\_\_ Block # \_\_\_\_\_ Permit # 000026816

Subdivision \_\_\_\_\_

Address 349 SW Thorne Lane

Name of Chemical Applied Premise Used 05 %

Area Treated Soil Pretreat on Patio Addition

Gallons Used 150

Remarks 684 sq ft 110 LN ft  
Stem Wall

Mitchell Saad