

DATE 06/14/2011

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
 000029477

APPLICANT BRYAN ZECHER PHONE 752-8653
 ADDRESS PO BOX 815 LAKE CITY FL 32056
 OWNER DANIEL DECKER PHONE 752-8653
 ADDRESS 1907 SW SISTERS WELCOME RD LAKE CITY FL 32025
 CONTRACTOR BRYAN ZECHER PHONE 752-8653
 LOCATION OF PROPERTY 90 WEST, L SISTERS WELCME RD, JUST PAST CREEKSIDE LN ON THE RIGHT (CREEKSIDE IS ON THE LEFT)
 TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 110350.00
 HEATED FLOOR AREA 1400.00 TOTAL AREA 2280.00 HEIGHT 18.00 STORIES 1
 FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 7/12 FLOOR SLAB
 LAND USE & ZONING RMF-1 MAX. HEIGHT 35
 Minimum Set Back Requirments: STREET-FRONT 20.00 REAR 15.00 SIDE 10.00
 NO. EX.D.U. 0 FLOOD ZONE FL X DEVELOPMENT PERMIT NO. _____

PARCEL ID 12-4S-16-02935-011 SUBDIVISION BROTHER'S WELCOME AIRPARK
 LOT 9 BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 0.75

000001891 CBC054575
 Culvert Permit No. Culvert Waiver Contractor's License Number
 CULVERT 11-0232 BK TC N
 Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ELEVATION SET @ 126.14, NEED ELEVATION CONFIRMATION LETTER AT SLAB,
NEED LOCATION SURVEY AT FOOTER***

NOC ON FILE Check # or Cash 2705

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 555.00 CERTIFICATION FEE \$ 11.40 SURCHARGE FEE \$ 11.40
 MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$ _____
 FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 **TOTAL FEE** 677.80
 INSPECTORS OFFICE J. H. CLERKS OFFICE CH

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

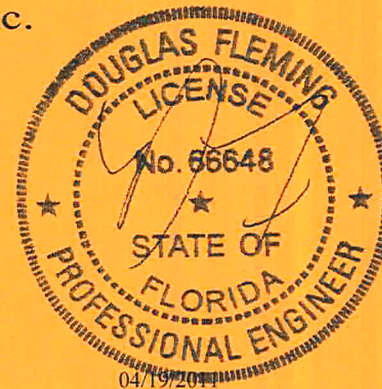
"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

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: IUB8487-Z0619155645



Truss Fabricator: Anderson Truss Company
Job Identification: 11-086--Fill in later BRYAN ZECHER/DECKER -- , **
Truss Count: 34
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD);FBC2007Res/TPI-2007(STD)
Engineering Software: Alpine Software, Versions 10.03, 9.05.
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 7-05 -Closed

Notes:

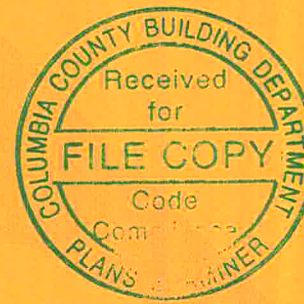
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Douglas Fleming
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

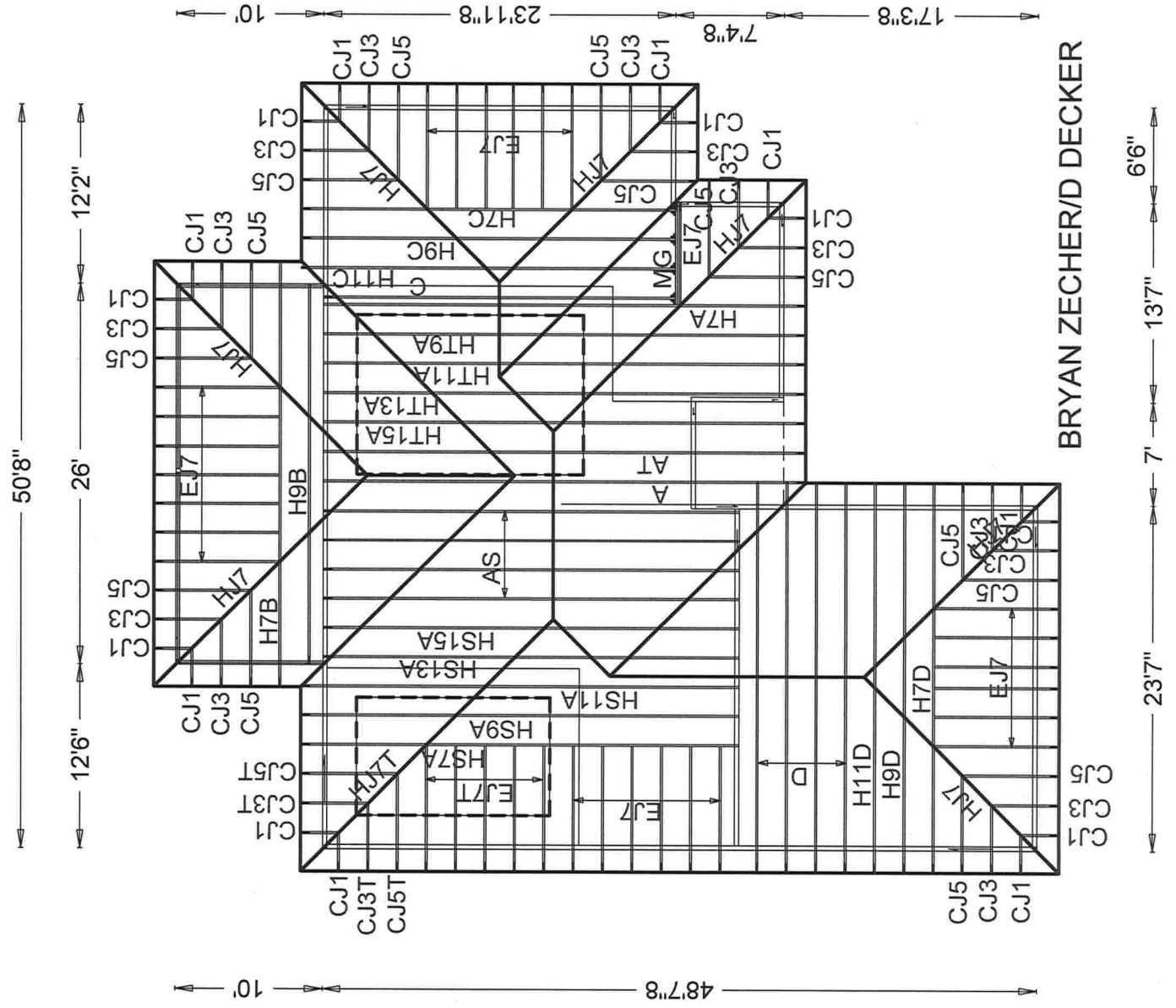
Details: HIPFRAME-BRCLBSUB-

#	Ref	Description	Drawing#	Date
1	1	-Jackscab for HS7	11109044	04/19/11
2	47489--	H7A	11109042	04/19/11
3	47490--	A	11109012	04/19/11
4	47491--	HS9A	11109013	04/19/11
5	47492--	HS7A	11109045	04/19/11
6	47493--	HS11A	11109014	04/19/11
7	47494--	HS13A	11109015	04/19/11
8	47495--	HS15A	11109016	04/19/11
9	47496--	AS	11109017	04/19/11
10	47497--	HT9A	11109018	04/19/11
11	47498--	HT11A	11109019	04/19/11
12	47499--	HT13A	11109020	04/19/11
13	47500--	HT15A	11109021	04/19/11
14	47501--	AT	11109022	04/19/11
15	47502--	H7B	11109023	04/19/11
16	47503--	H9B	11109024	04/19/11
17	47504--	H7C	11109025	04/19/11
18	47505--	H9C	11109026	04/19/11
19	47506--	H11C	11109027	04/19/11
20	47507--	C	11109028	04/19/11
21	47508--	H7D	11109029	04/19/11
22	47509--	H9D	11109030	04/19/11
23	47510--	H11D	11109031	04/19/11
24	47511--	D	11109032	04/19/11
25	47512--	CJ1	11109033	04/19/11
26	47513--	CJ3	11109034	04/19/11
27	47514--	CJ5	11109035	04/19/11
28	47515--	EJ7	11109043	04/19/11
29	47516--	CJ3T	11109036	04/19/11
30	47517--	CJ5T	11109037	04/19/11
31	47518--	EJ7T	11109038	04/19/11
32	47519--	HJ7	11109039	04/19/11
33	47520--	HJ7T	11109040	04/19/11
34	47521--	MG	11109041	04/19/11





Roof Plane Sheathing Area = 2845 sq. ft



BRYAN ZECHER/D DECKER

JOB DESCRIPTION: Fill in later
/ BRYAN ZECHER/DECKER

JOB NO:

11-086

PAGE NO:

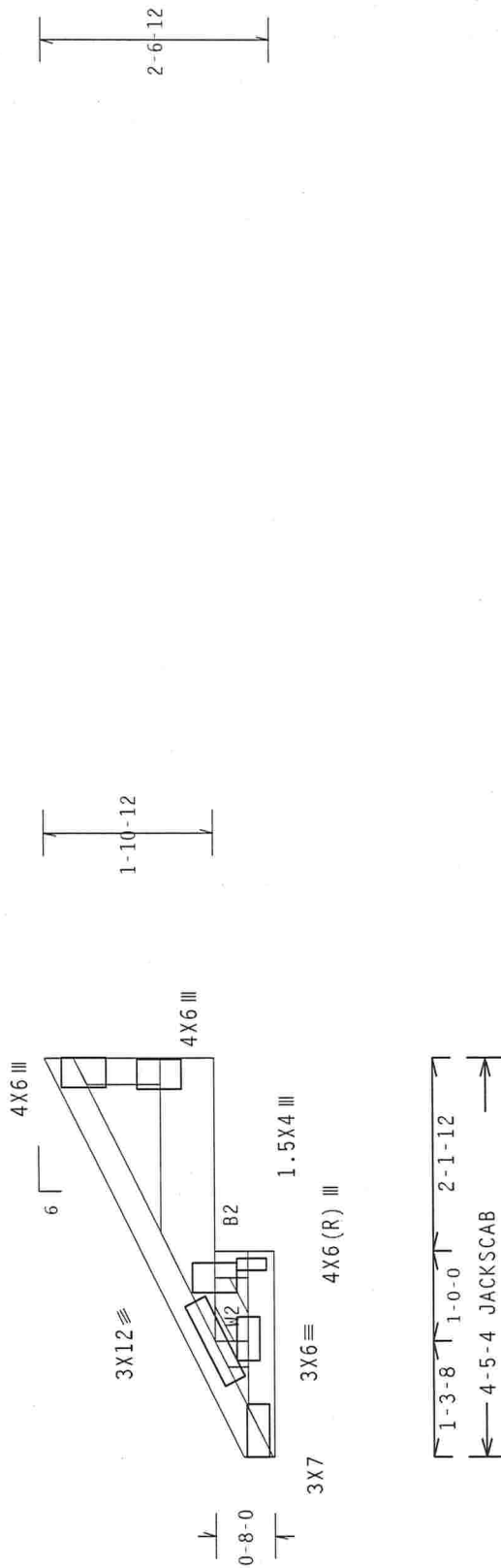
1 OF 1



(11-086--Fill in later BRYAN ZECHER/DECKER --, ** - Jackscab)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B2 2x8 SP 2400f-2.0E:
Webs 2x4 SP #3 :W2 2x4 SP #2 Dense:

NOTE: THIS DESIGN IS NOT TO BE USED AS A STAND ALONE TRUSS.
IT IS ONLY TO BE USED AS A ROOF JACK SCAB TRUSS FOR
TRUSS HS7A DRW@HCUSR487 11109045.



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

PLT TYP. Wave

Scale = .5" / Ft.

FL/-4/-/-/-

QTY: 10.08.03.0411.20

REF R487-- 1

DATE 04/19/11

DRW HCUSR487 11109044

HC-ENG DR/DF

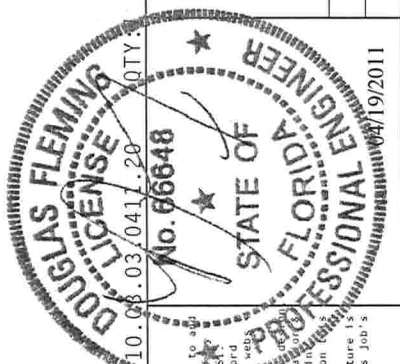
SEQN- 8327

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1UB8487_Z06

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278



PLT TYP. Wave

PLT TYP. Wave



(11-086--Fill in later BRYAN ZECHER/DECKER -- ** - H7A)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3:

Special loads

Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 plf at 1.50 to 62 plf at 7.00
TC- From 62 plf at 7.00 to 62 plf at 14.38
TC- From 62 plf at 14.38 to 62 plf at 19.35
TC- From 62 plf at 19.35 to 62 plf at 31.33
BC- From 4 plf at 1.50 to 4 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 16.00
BC- From 20 plf at 16.00 to 20 plf at 31.33
TC- 245.70 lb Conc. Load at 7.00
BC- 355.40 lb Conc. Load at 6.94
BC- 2267.20 lb Conc. Load at 7.38

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1 (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

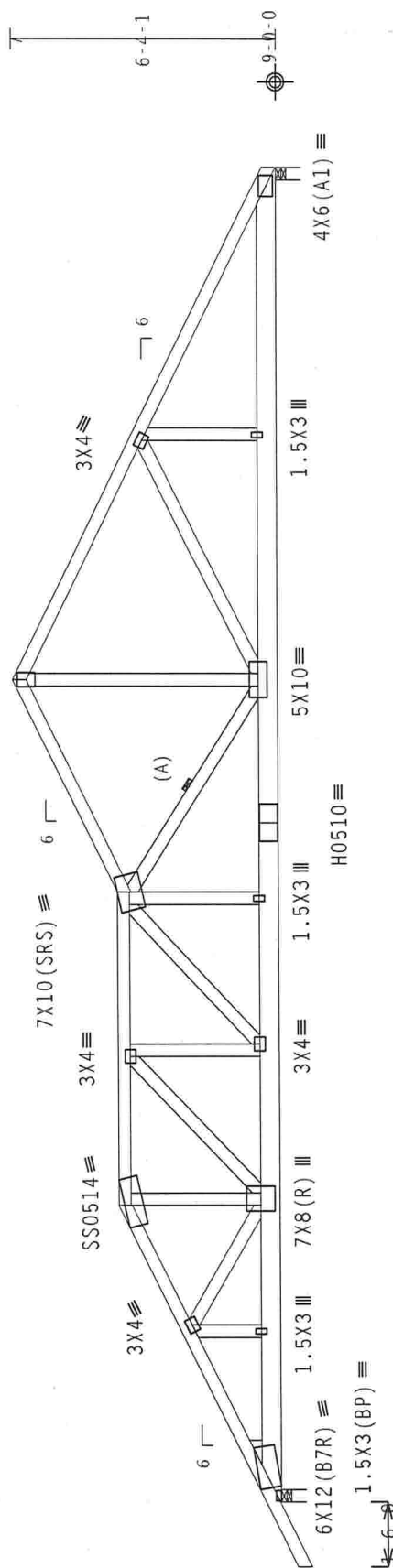
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

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

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

4X5 (R) III



PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: FBC2007Res/TPI-2007 (STD)
Wave

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

Scale = .25" / Ft.

TC LL	20.0 PSF	REF	R487 --	47489
TC DL	10.0 PSF	DATE	04/19/11	
BC DL	10.0 PSF	DRW	HCUSR487	11109042
BC LL	0.0 PSF	HC-ENG	KD/DF	
TOT.LD.	40.0 PSF	SEQN-	198614	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UB8487_Z06	

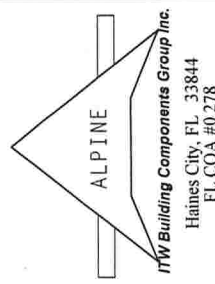


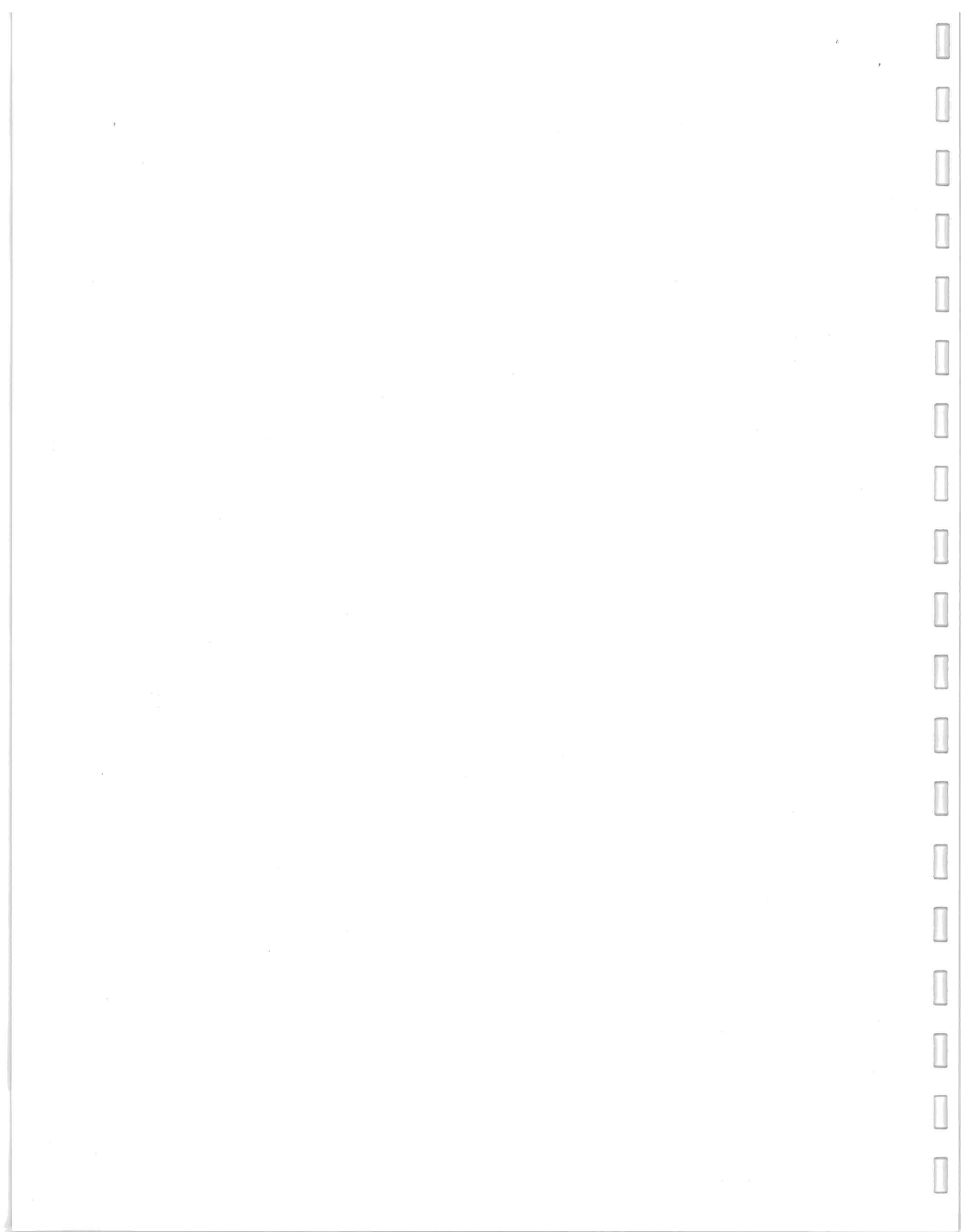
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the IBC Building Code, Chapter 16, Section 1604.2 for details. Trusses shall be braced in accordance with the IBC Building Code, Chapter 16, Section 1604.2. Trusses shall be braced in accordance with the IBC Building Code, Chapter 16, Section 1604.2. Trusses shall be braced in accordance with the IBC Building Code, Chapter 16, Section 1604.2.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. ITWBCG shall not be responsible for any deviation from this design. ITWBCG shall not be responsible for any deviation from this design. ITWBCG shall not be responsible for any deviation from this design. ITWBCG shall not be responsible for any deviation from this design.







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

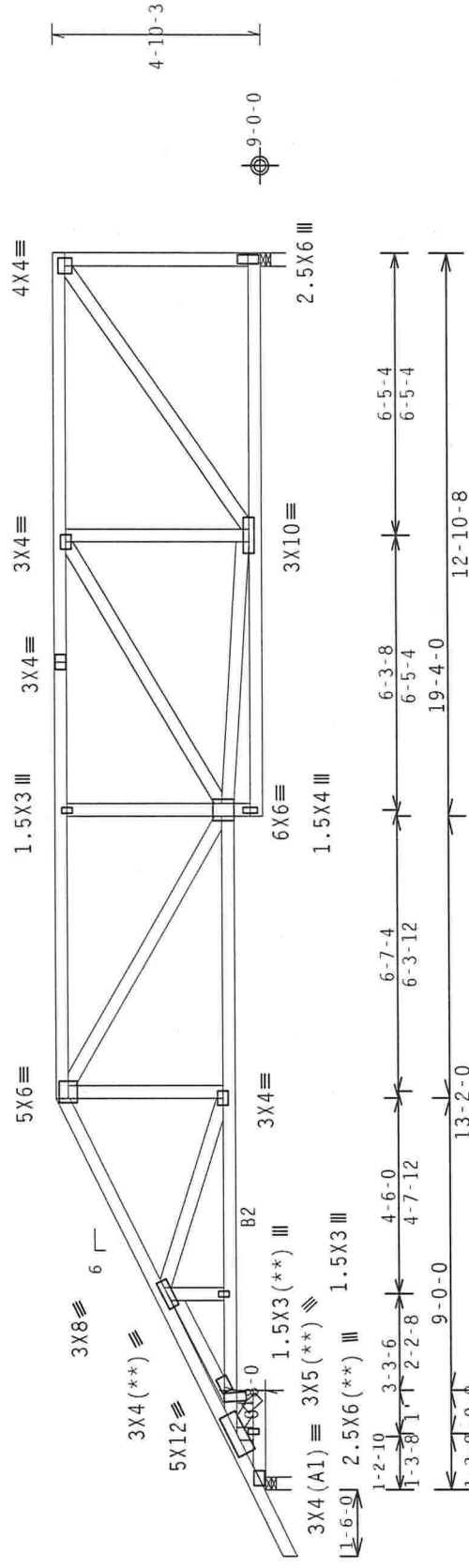
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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R=1158 U=127 W=3.5"

Scale = .25"/Ft.

9.05:03.0319✓17

2202

11

TC DL	10.0 PSF	DATE	04/19/11
BC DL	10.0 PSF	DRW	HCUSR487 11109013
			US ENG V2.05F

BC LL	0.0 PSF	HC-ENG KD/DF
TOT.LD.	40.0 PSF	SEQN- 198478
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UB8487_Z06

DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UB8487_Z06



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

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

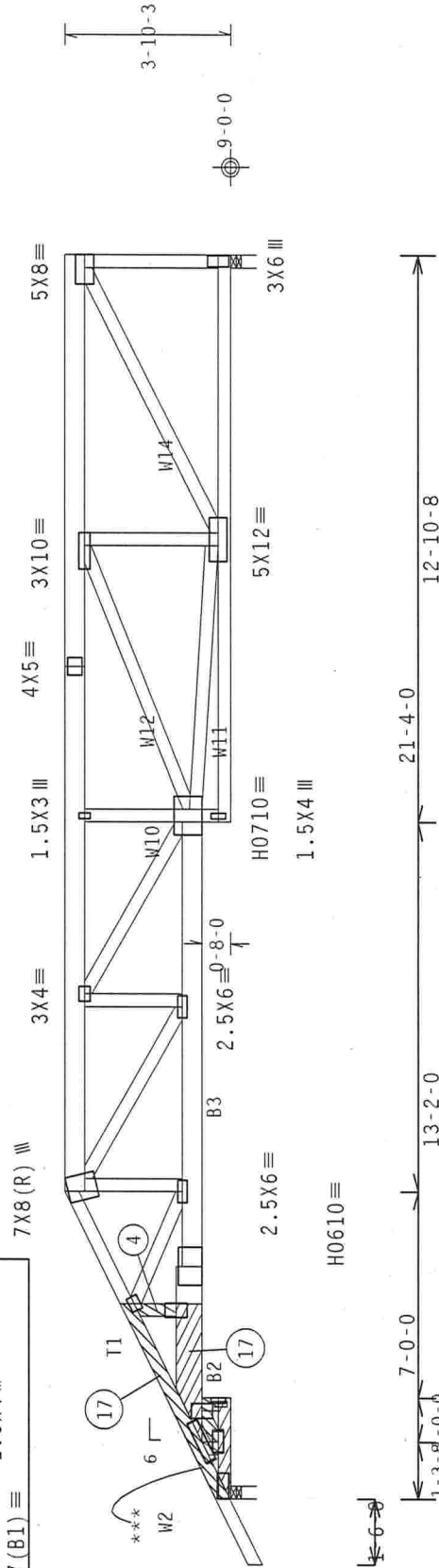
Deflection meets L/240 live and L/180 total load.



SEE HATCHED AREA FOR JACKSCAB DETAILS.

MINIMUM NAILING SHOWN IN CIRCLES. AMOUNT SHOWN IS REQUIRED FROM EACH PLACE.

*** SEE DWG HCUSR487 11109044 FOR JACKSCAB DETAILS



R=2494 U=396 W=3.5"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. 20 Gauge HS, Wave

****IMPORTANT****
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following latest edition of BCS Building Component Safety Information for B1 and A1CS for more information on bracing. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Conditions shown for permanent lateral restraint overlaid shall have bracing installed per BCS sections B3, B7 or B10, as applicable.

[illegible]

Scale = .25"/Ft.

TC LL	20.0	PSF	REF R487-- 47492
TC DL	10.0	PSF	DATE 04/19/11
BC DL	10.0	PSF	DRW HCUR487 11109045
BC LL	0.0	PSF	HC-ENG DR/DF
TOT.LD.	40.0	PSF	SEQN- 198525
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UB8487_Z06

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278



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

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

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



-28-4-0 Over 2 Supports

Scale = .25"/Ft.

9.05/03.0319/17 QTY:

Design Clinic:

10

1324

ing and bracing. Refer to article by IPI and NICA) for temporary bracing per ASCE. Breathing and bottom chord lateral restraint of webs.

any deviation from this design, including shipping, installation, use above and on the Joint, or in other positions. A seal on the joint is not a substitute for proper design or engineering. For more information on the design of this structure for any structure, please contact the manufacturer. For more information see: thisjob's-structure.com; sbciindustry.com;

TC LL	20.0 PSF
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TC DI 10.0 PSE

PC DI	10 0 DCE
10 0 DCE	10 0 DCE

BC DL 10.0 P3F

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR. FAC. 1.25

SPACING 24.0"

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278



(11-086--Fill in later BRYAN ZECHER/DECKER --, ** - HS13A)

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

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

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

(A) Continuous lateral bracing equally spaced on member.

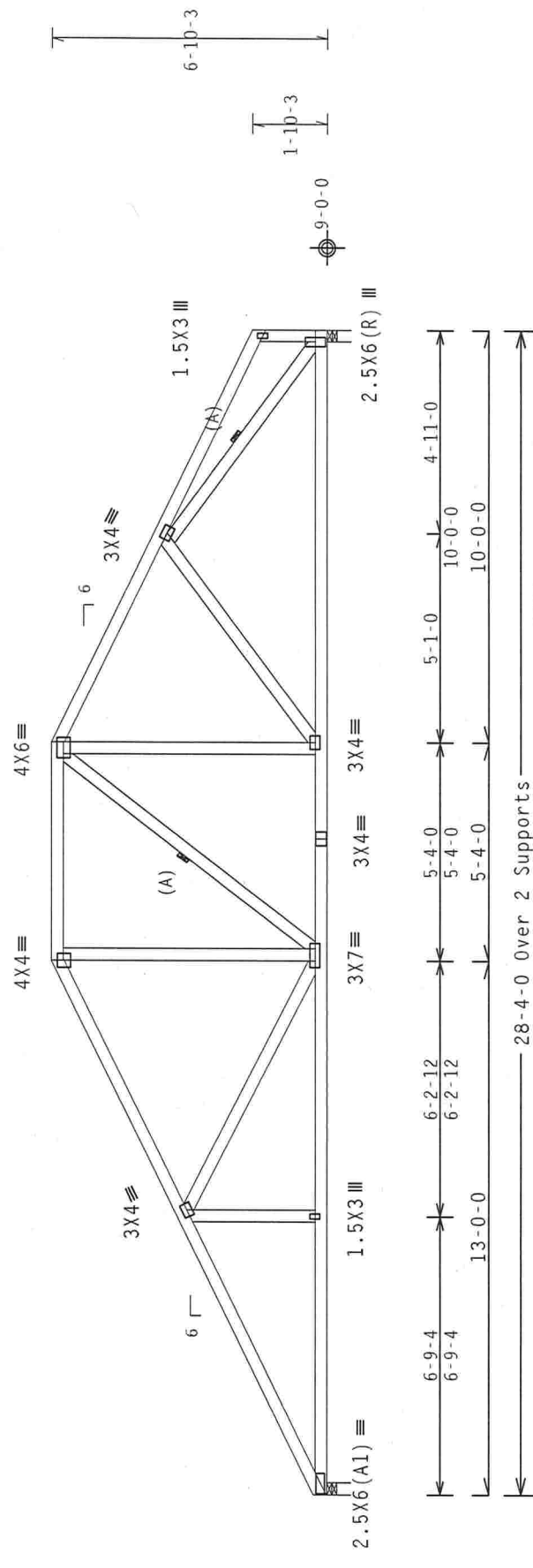
Wind reactions based on MWFRS pressures.

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

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

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

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



R=1173 U=105 W=3.5"
RL=125/-110

R=1161 U=108 W=3.5"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .25"/Ft.

ALPINE <
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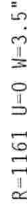


110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



— 28-4-0 Over 2 Supports

Scale = .25"/Ft.

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

86848

TC DL	10.0 PSF	DATE	04/19/11
BC DL	10.0 PSF	DRW	HCUSR487 11109017
BC 11	0.0 PSF	UC	ENC 420/E

BC LL	0.0 PSF	HC-ENG KD/DF
TOT.LD.	40.0 PSF	SEQN- 198568
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UB8487

JREF- 1UB8487_Z06





(11-086--Fill in later BRYAN ZECHER/DECKER -- , ** - HT11A)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B2 2x4 SP #1:
Webs 2x4 SP #3 :W12, W14 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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

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

NOTE: LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 2'0" O.C.
MAX. INCLUDING A LATERAL BRACE AT CHORD ENDS.

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

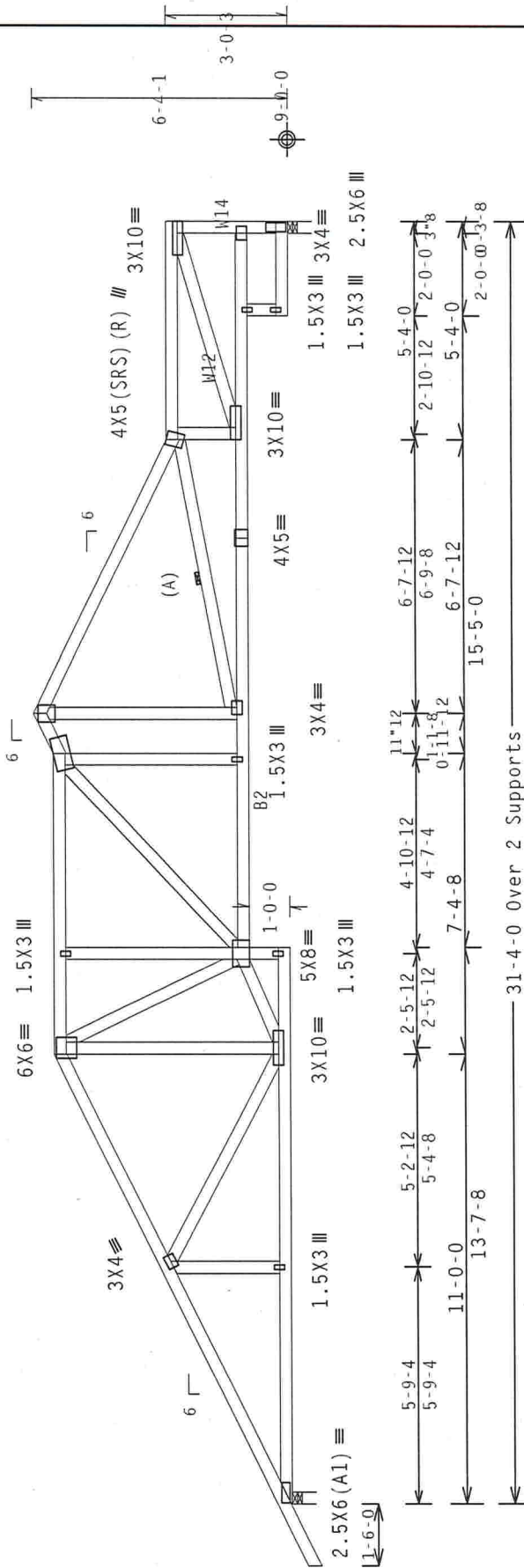
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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

5X10 (SRS) $\approx$ 5X5 $\equiv$



R=1399 U=17 W=3.5"
RL=121/-102

R=1281 U=32 W=3.5"

31-4-0 Over 2 Supports

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = .25" / Ft.

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

 ALPINE Haines City, FL 33844 FL COA #0278	FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.			TC LL	20.0 PSF	REF	R487--	47498	
	Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information, by TPI and NICA for best practices prior to performing these functions. Installers shall provide temporary bracing per unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.			TC DL	10.0 PSF	DATE	04/19/11		
	ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the jointing details, unless noted otherwise. Refer to drawings 1004-2 for standard plate positioning. The responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; NICA: www.nicaindstry.com; ICC: www.iccsafe.org			BC DL	10.0 PSF	DRW	HCUSR487	11109019	
				BC LL	0.0 PSF	HC-ENG	KD/DF		
				TOT.LD.	40.0 PSF	SEQN-	198627		
				DUR.FAC.	1.25				
					SPACING	24.0"	JREF-	1UB8487_Z06	



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

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

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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

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



R=1281 U=38 W=3.5"

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .25"/Ft.

ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	No. 06648 STATE OF FLORIDA PROFESSIONAL ENGINEER 04/19/2011	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET. **IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.		TC LL	20.0 PSF	REF R487 -- 47499
		Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BEST (Building Component Safety Information, by IPI and NICA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BEST. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of chords shall have bracing installed per BEST sections B3, B7 or B10, as applicable.		TC DL	10.0 PSF	DATE 04/19/11
		ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/IPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint End of Trusses. All trusses shall be braced in accordance with the design shown. Seal on the bracing or member listing this design. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/IPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG; www.itwbcg.com; IPI: www.ipiinst.org; NICA: www.nicasafe.org		BC DL	10.0 PSF	DRW HCUSR487 11109020
				BC LL	0.0 PSF	HC-ENG KD/DF
				TOT.L.D.	40.0 PSF	SEQN- 198656
				DUR.FAC.	1.25	
		SPACING	24.0"	JREF - 1UB8487_Z06		



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

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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

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



Note: All Plates Are 3X4 Except As Shown.

Scale = .25"/Ft.

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

000000

REF R487 -- 47500

三

HC-ENG KD/DF	SEQN- 198679
--------------	--------------

JREF- 1UB8487 Z06



(11-086--Fill in later BRYAN ZECHER/DECKER --, ** - AT)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W12 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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

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

NOTE: LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 2'0" O.C.
MAX. INCLUDING A LATERAL BRACE AT CHORD ENDS.

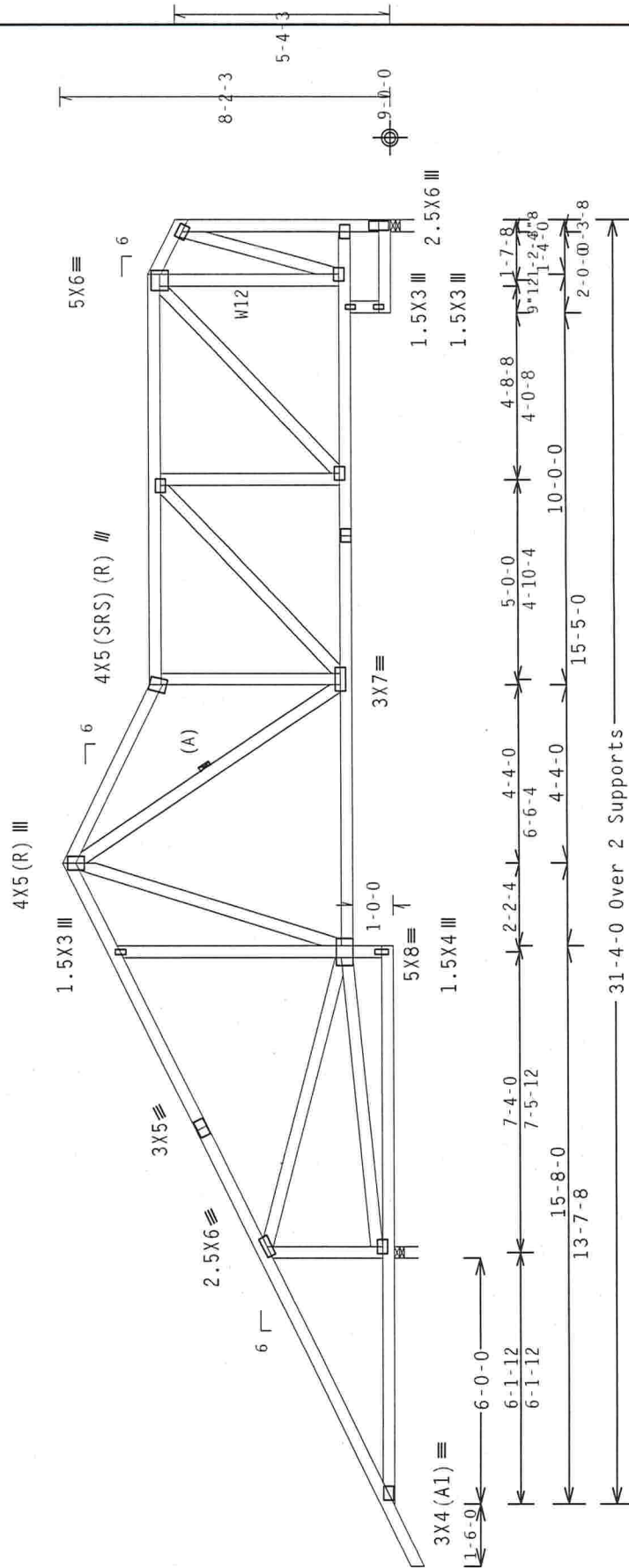
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf. IW=1.00 GCPI(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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



R=1743 U=0 W=3.5"
RL=147/-104

3X4 Except As Shown.

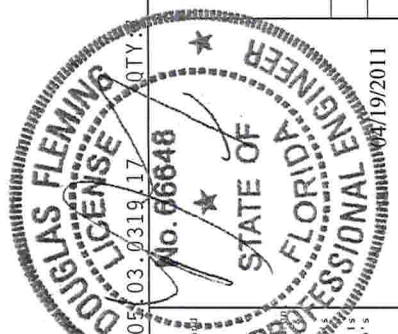
Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10%(0%)/0(0)

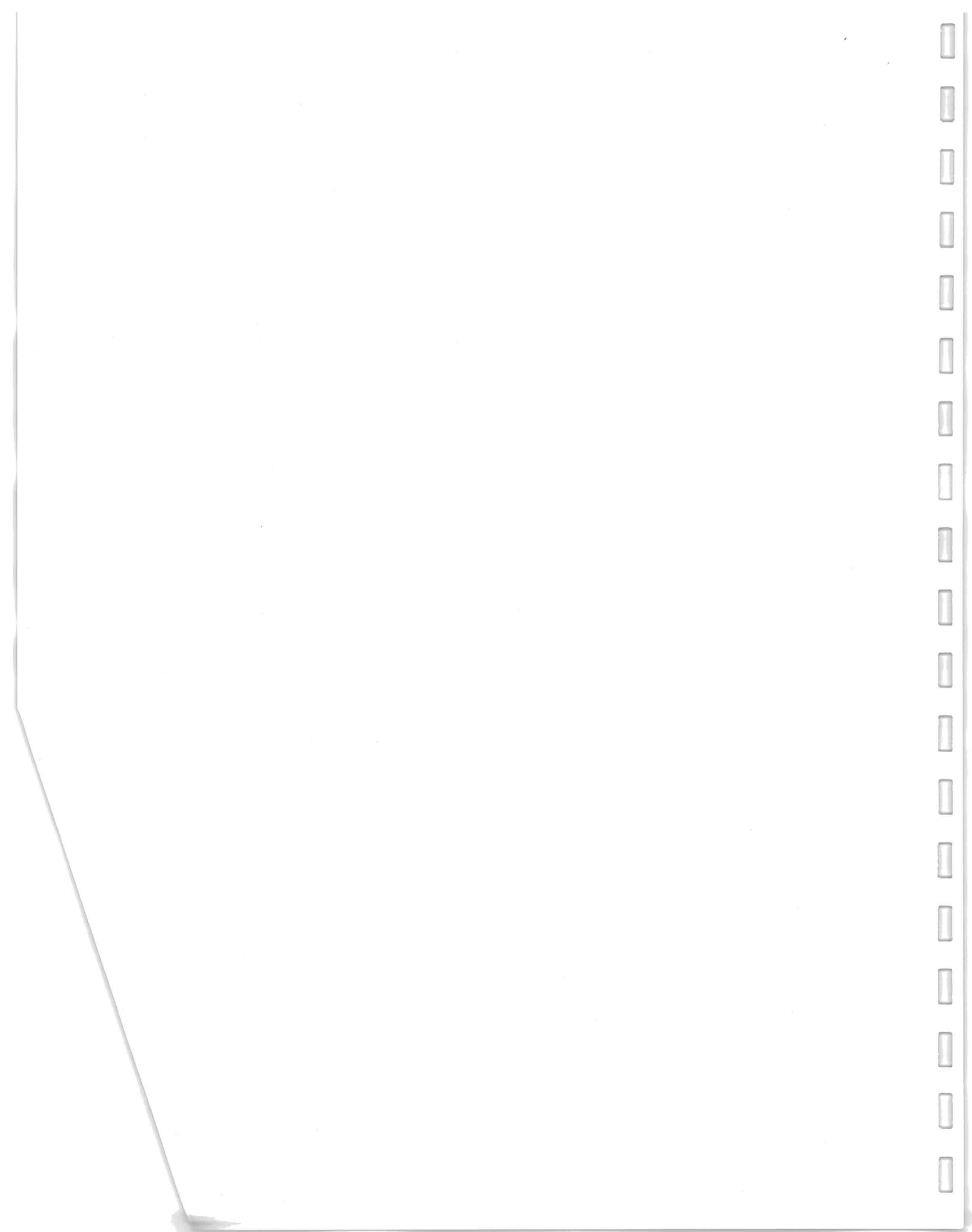
Scale = .25" / Ft.

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

TC LL	20.0 PSF	REF	R487 --	47501
TC DL	10.0 PSF	DATE	04/19/11	
BC DL	10.0 PSF	DRW	HCUSR487	11109022
BC LL	0.0 PSF	HC-ENG	KD/DF	
TOT.LD.	40.0 PSF	SEQN-	198702	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UB8487_Z06	



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Extreme care in fabricating, handling, shipping, installing and bracing. Refer to the
edition of BCSI (Building Component Safety Information, by TPI and WCA) for details
regarding these functions. Installers shall provide temporary bracing per BCSI
top chord shall have properly attached structural sheathing and bottom chord
shall have rigid ceiling. Locations shown for permanent lateral restraint
per BCSI sections 63, 67 or 610, as applicable.
Inc. (TIBC) shall not be responsible for any deviation from this design
conformance with ANSI/TPI 1, or for handling, shipping, installing and bracing.
Each fabricator shall be responsible for providing the necessary bracing
to insure proper installation and use of this design for any structure is
indicates acceptance of professional engineering
The suitability and use of this design for any structure is
ANSI/TPI 1 Sec. 2. For more information see: This Job's
www.tpinet.org; NCA: www.subindustry.com;







(11-086--Fill in later BRYAN ZECHER/DECKER --, ** - H7C)

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

Roof overhang supports 2.00 psf soffit load.

(H1) = (J) Hanger not-calculated (1)2x6 SP #2 supporting member.

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

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

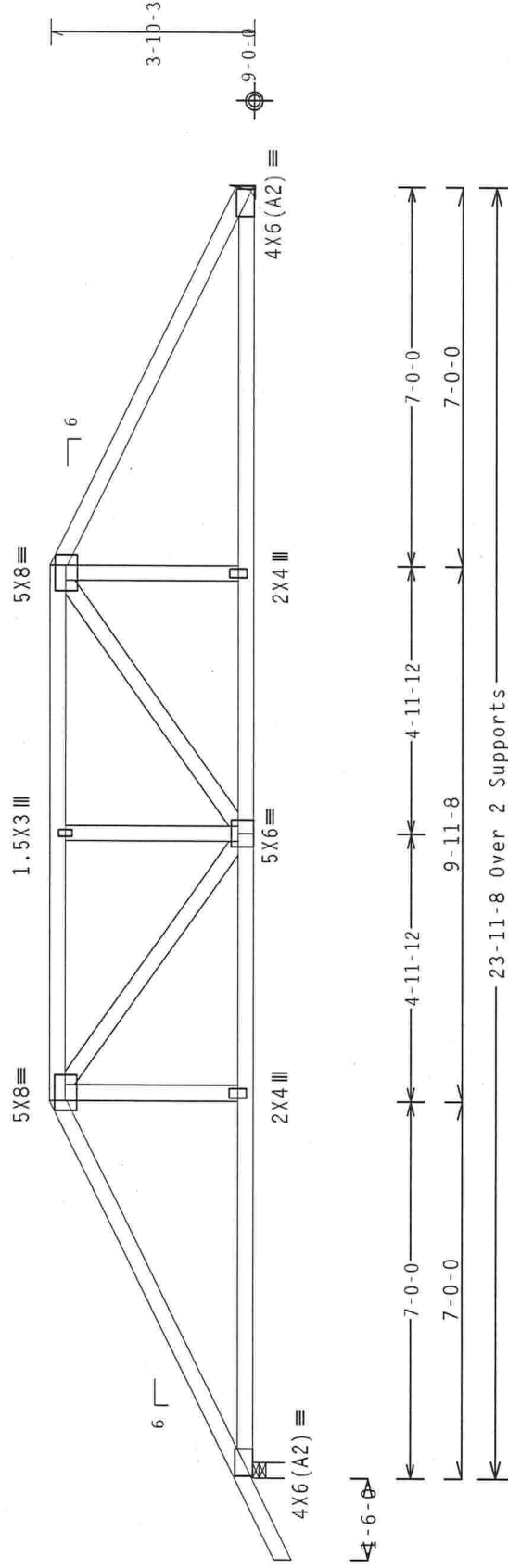
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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

Wind reactions based on MWFRS pressures.

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

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



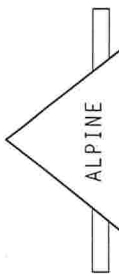
R-2044 U-295 W-3.5"

R-1933 U-265
H-H1

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .3125"/Ft.

 ALPINE iTW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for details and practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall be properly braced and bracing shall be attached to the truss members and bottom chord. Trusses shall have a properly attached rigid ceiling locations shown for permanent lateral restraint. Trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. iTW Building Components Group Inc. (iTWBCG) shall not be responsible for any deviation from the details shown on this drawing. Trusses shall be installed in accordance with the details shown on this drawing. Any failure to build the truss in accordance with the details shown on this drawing shall be the responsibility of the building designer. Refer to drawings 160A-2 for standard plate positions. A seal on drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; iTW-BCG: www.itwbog.com; TPI: www.tpinet.org; WCA: www.wcaindustry.com; ICC: www.iccsafe.org	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.		9.05/03.0319.17	TC LL	20.0 PSF	REF	R487 - - 47504
					TC DL	10.0 PSF	DATE	04/19/11
					BC DL	10.0 PSF	DRW	HCSR487 11109025
					BC LL	0.0 PSF	HC-ENG	KD/DF
					TOT.LD.	40.0 PSF	SEQN	198413
					DUR.FAC.	1.25	JREF	1UB8487_Z06
		SPACING		24.0"				

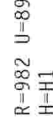


110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCPI(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



R=1092 U=109 W=3.5"
RI=104/-111

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

Scale = .3125" / Ft.

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
IMPORTANT**

REF R487 -- 47505

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the applicable code for details. Truss components shall be braced in accordance with the following practices prior to performing these functions. Installers shall provide temporary bracing per the manufacturer's instructions. Trusses shall be braced in accordance with the following practices unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint to walls shall have bracing installed per BESS sections 83, 8 or E30, as applicable.

DATE	04/19/11
DRW	HCUSR487 11109026

LIN Building Components Group Inc. (LINBCG) shall not be responsible for any deviation from this drawing or specification if such deviation results in failure to build the truss in conformance with ANSI/IPI 1-01 for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings IBOA-Z for standard plate positions. A seal on the drawing or cover page listing this drafting indicates acceptance of professional engineering responsibility by the drafter. The full name and address of the design shop, including telephone number, shall appear on the bottom right corner of the drawing. This job's general information: LIN-BUG; www.linbug.com; IPI: www.ipint.org; IUTCA: www.iutcaindustry.com; www.icesafe.org

HC-ENG RD/DF
SEQN - 198420
JREF - 1UB8487_Z06

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278



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

(11-086--Fill in later BRYAN ZECHER/DECKER --, ** - H11C)

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

Roof overhang supports 2.00 psf soffit load.

(H1) = (J) Hanger not calculated (1)2x6 SP #2 supporting member.

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

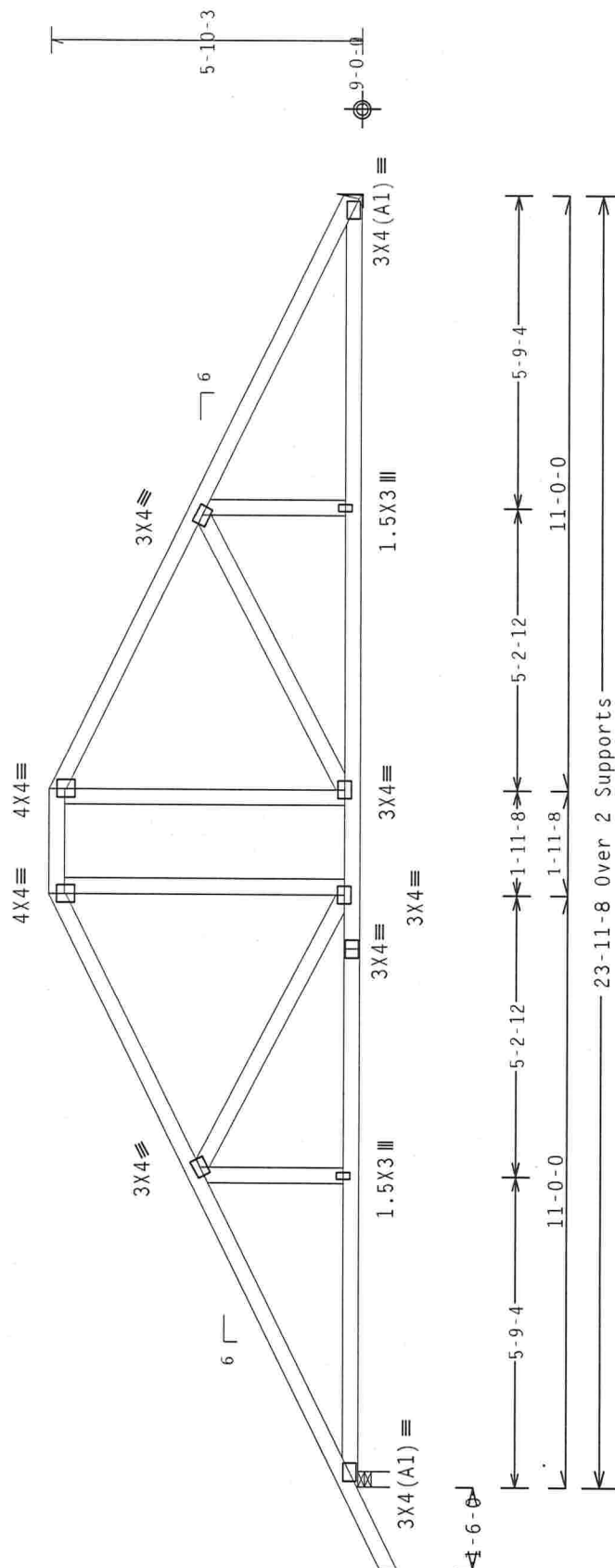
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

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

Wind reactions based on MMFRS pressures.

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

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



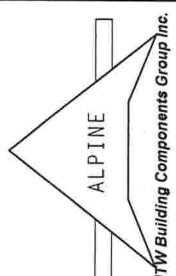
R=1092 U=107 W=3.5"
RL=124/-132

R=982 U=87
H=H1

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%)/0 (0)

Scale = .3125"/Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and HCS) for safety practices and details. Top chord shall have properly attached structural sheathing and bracing. Unless noted otherwise, top chord shall have permanent lateral restraining and bracing of webs. Shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the details of trusses. Apply plates to each face of truss and position as shown above and on the job. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the user. For more information see: This job's general notes page: ITH-BCG: www.itsbcg.com; IPI: www.tpiinst.org; HCS: www.hcsindustry.com; ICC: www.iccsafe.org			
	TC LL	20.0 PSF	REF	R487 -- 47506
	TC DL	10.0 PSF	DATE	04/19/11
	BC DL	10.0 PSF	DRW	HCSR487 11109027
	BC LL	0.0 PSF	HC-ENG	KD/DF *
	TOT.LD.	40.0 PSF	SEQN-	198429
	DUR.FAC.	1.25		
	SPACING	24.0"	JREF-	1UB8487_Z06

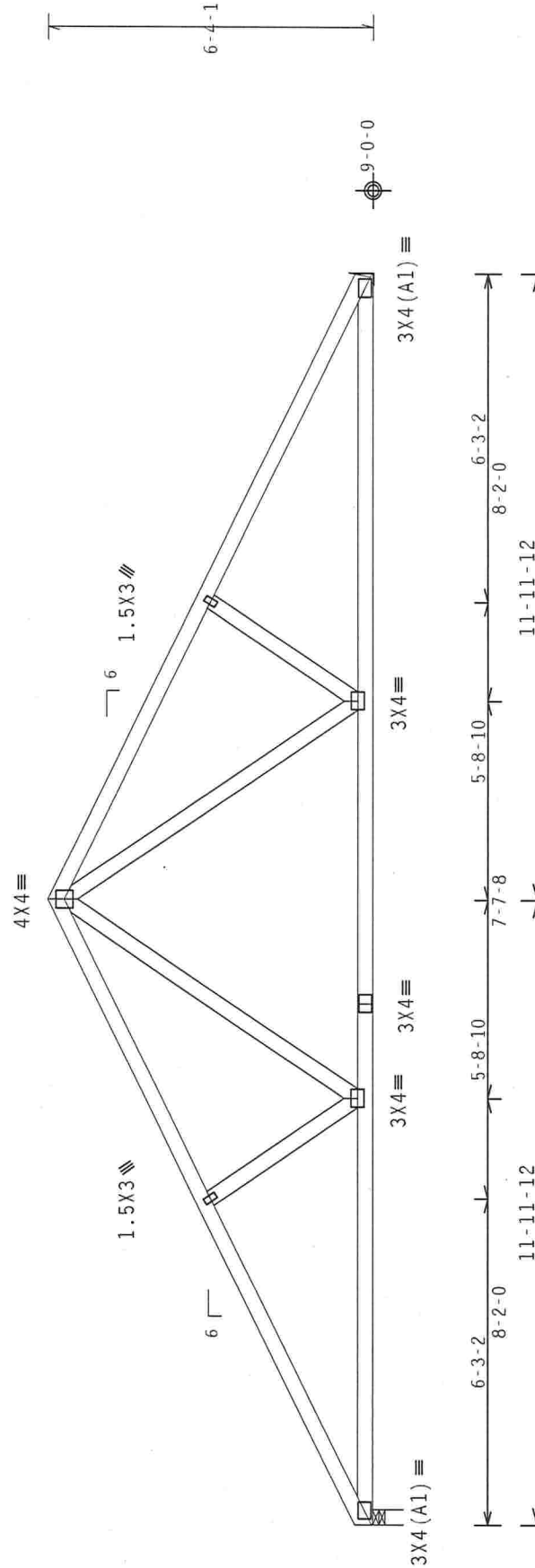


110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCPI (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



R=987 U=87 W=3.5"
RL=123/-123

R=986 U=87
H=H1

23-11-8 Over 2 Supports

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .3125"/Ft.

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

QTY: 1

17

0319/

9.05/0

(111)

0.07-1.10%

 $T=10\%$

FT/

2121

Design

Wave

-TYP

P

1

*****WARNING***** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL COMPACTORS INCLUDING INSTALLERS.

*****IMPORTANT***** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety Information, by TPI and MICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint, top and bottom chords shall have bracing installed per S1 sections 83, 87 or 810, as applicable.

[illegible]

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
F1 COA #0278





(11-086--Fill in later BRYAN ZECHER/DECKER -- , ** - H90)

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf. $I_w=1.00$ $G_{cp1}(+/-)=0.18$

Roof overhang supports 2.00 psf soffit load.

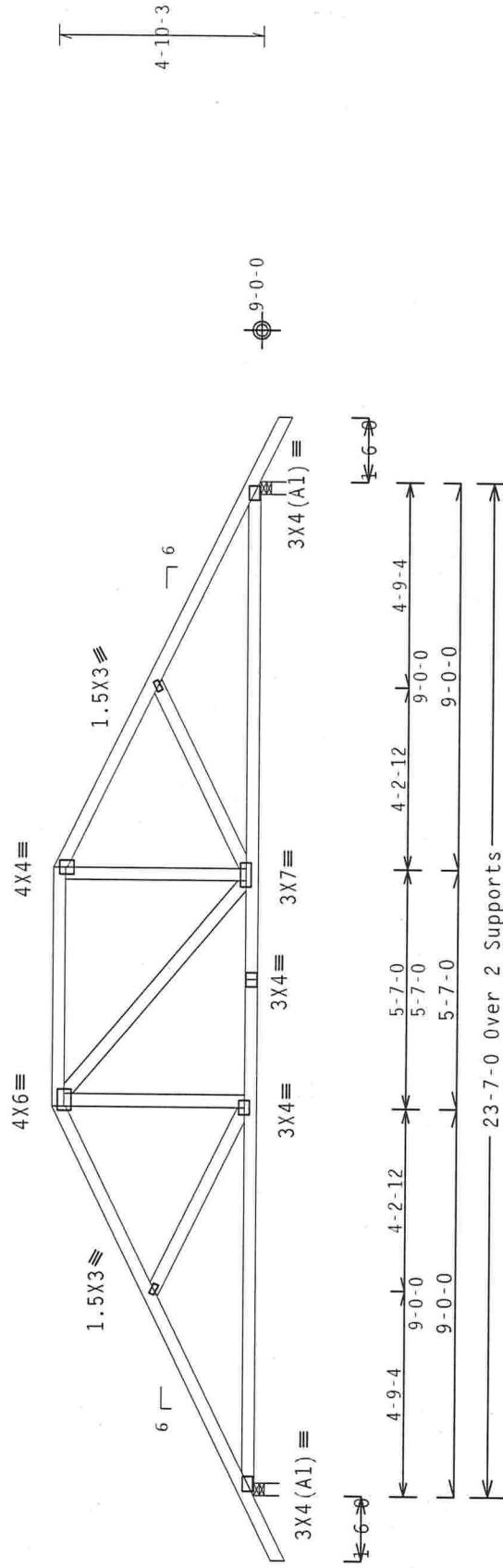
Wind reactions based on MWFRS pressures.

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

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

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

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



R=1071 U=107 W=3.5"
RL=123/-123

R=1071 U=107 W=3.5"

Design Crit: FBC2007Res/TPI-2002 (STD)

PLT TYP. Wave

FT/RT=10%(0%)/0(0)

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

Scale = .25"/Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET. **IMPORTANT** FURNISH THIS DESIGN TO ALL COMPACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to any follow the latest edition of BCSI (Building Component Safety Information) by TPI and WCA. practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing or trusses. Apply plates to each face of truss and position as shown above and on the joint. Bracing shall be installed in accordance with the design shown. The suitability and use of this structure is the responsibility solely for the design shown. The suitability and use of this structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; WCA: www.sbciindustry.com; ICC: www.iccsafe.org		DOUGLAS FLEMING LICENSE No. 66848 STATE OF FLORIDA PROFESSIONAL ENGINEER 04/19/2011		REF R487-- 47509
	TC LL 20.0 PSF		DATE 04/19/11		DRW HCUSR487 11109030
	TC DL 10.0 PSF		BC DL 10.0 PSF		HC-ENG KO/DF *
	BC DL 10.0 PSF		BC LL 0.0 PSF		TOT.LD. 40.0 PSF
	DUR.FAC. 1.25		SEQN- 198389		JREF- 1UB8487_Z06
	SPACING 24.0"				



(11-086--Fill in later BRYAN ZECHER/DECKER -- ** - H11D)

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

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

Roof overhang supports 2.00 psf soffit load.

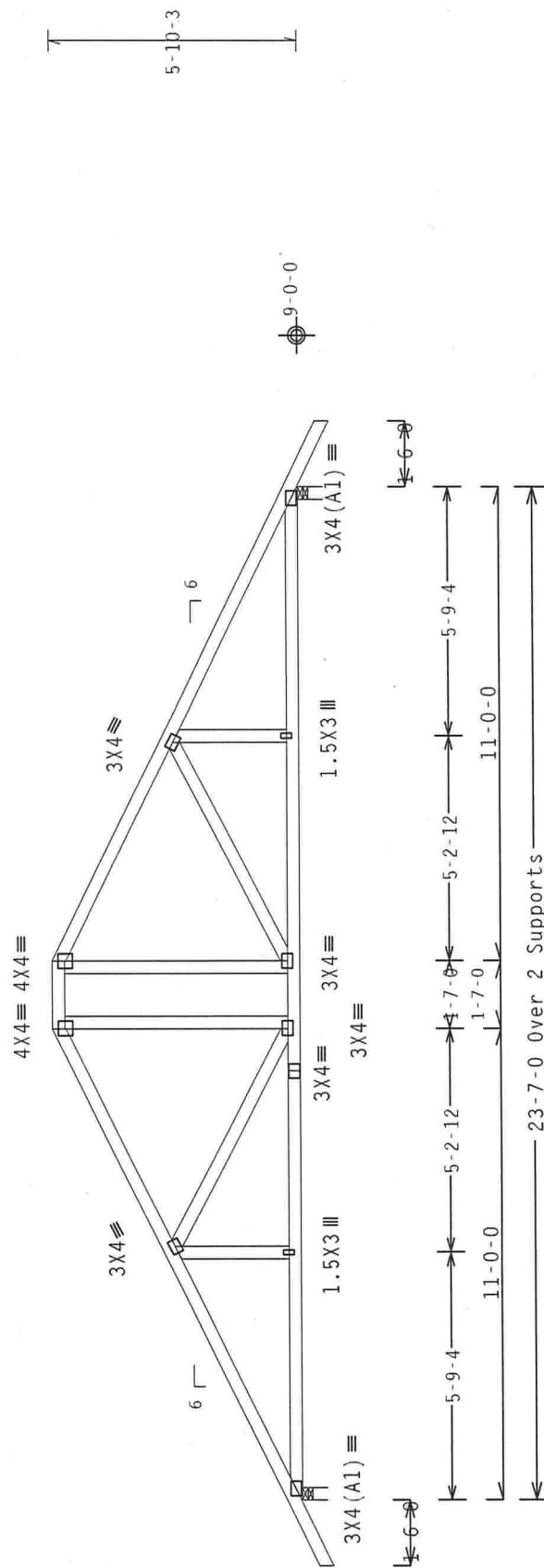
Wind reactions based on MWFRS pressures.

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

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

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

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



R=1071 U=105 W=3.5"
RL=144 / -144

R=1071 U=105 W=3.5"

Design Crit.: FBC2007Res/TPI-2002 (STD)

3C2007Res/IFI-2002
FT/RT=10%(0%)/0(0)

Scale = .25"/Ft.

Scale = .25"/Ft.
REF R487-- 47510

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

3.0319.17 QT

(0) 07 (%)

FT/RT=10

De:

PIT TVP 11avo

100

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

****IMPORTANT****

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety Information), by IPI and WCA. Follow safety recommendations prior to performing these functions. Installers shall provide temporary bracing per building codes unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

The Bulb Lifting Components Group, Inc. (ILUBCG) shall not be responsible for any dilution from this design. ILUBCG shall be responsible for the design of the structure to build the truss in conformance with ANSI/RPI 1, or for handling, shipping, installation, erection, bracing of trusses. Apply plates to each face of truss and position as shown above and on the adjacent drawings. Details, unless noted otherwise. Refer to drawings 1602-2 for standard plate positions. A seal of the manufacturer is required on all drawings. This drawing is for informational purposes only. ILUBCG shall not be responsible for any dilution from this design. The suitability and use of this design for any structure is the responsibility of the building designer. ANSI/RPI 1, SEC 2-2. For more information, visit www.bulbindustry.com; or call 1-800-333-1148; or visit www.ilubcg.com; or visit www.rpi1.org.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

[illegible]



(11-086--Fill in later BRYAN ZECHER/DECKER --, ** - D)

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

Roof overhang supports 2.00 psf soffit load.

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

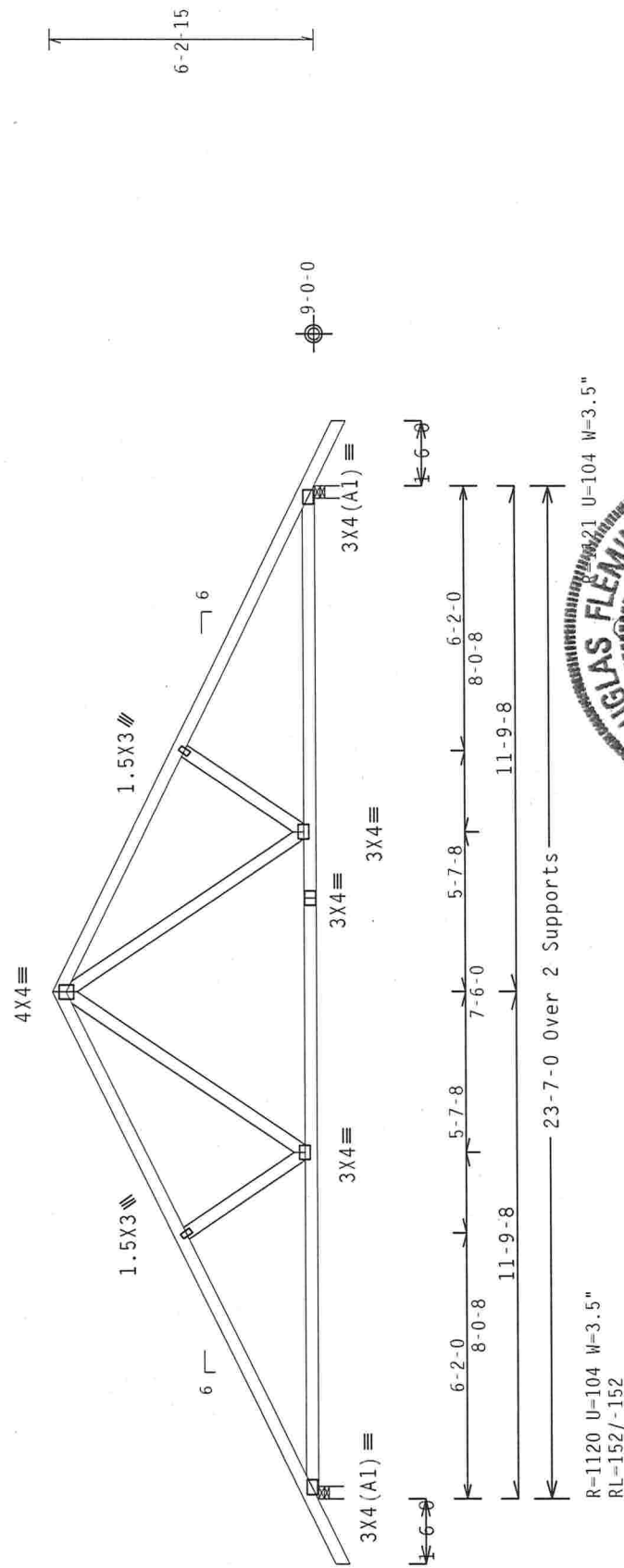
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

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

Wind reactions based on MMFRS pressures.

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

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



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%) / 0(0)

Scale = .25" / Ft.

TC LL	20.0 PSF	REF	R487 --	47511
TC DL	10.0 PSF	DATE	04/19/11	
BC DL	10.0 PSF	DRW	HCUSR487	11109032
BC LL	0.0 PSF	HC-ENG	KD/DF	*
TOT.LD.	40.0 PSF	SEQN-	198405	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UB8487_Z06	

IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

****WARNING**** BEAD AND FOLLOW ALL NOTES ON THIS SHEET
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of the Building Component Safety Information, by TPI and NICA for details and practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of top chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 100-2 for standard plate positions. A seal on the drawing or cover page listing the name of the designer and the date of design shall be placed on the general notes page. ITW-BCSI: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.nicaindust.org

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
04/19/2011

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278



(11-086--Fill in later BRYAN ZECHER/DECKER --, ** - C01)

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

Roof overhang supports 2.00 psf soffit load.

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

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

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

Wind reactions based on MWFRS pressures.

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

R=-50 Rw=24 U=38



R=5 Rw=14 U=13

1-6-0-0
1-0-0 over 3 supports

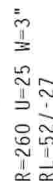
R=248 U=48 W=3"
RL=28/-22

Design Crit: FBC2007Res/TPI-2002 (STD)
FI/RT=10%(0%)/0(0)

PLT TYP. Wave

ALPINE iTW Building Components Group Inc. Haines City, FL 33844 FL COA #0278		Douglas Fleming Professional Engineer No. 66648 State of Florida Professional Engineer 04/19/2011		Scale = .5" / Ft.	
		9.00		9.00	
		03.0319.17		03.0319.17	
		QTY 16		FL / - / 4 / - / - / R / -	
		TC LL		20.0 PSF	
		TC DL		10.0 PSF	
		BC DL		10.0 PSF	
		BC LL		0.0 PSF	
		TOT.LD.		40.0 PSF	
		DUR.FAC.		1.25	
		SPACING		24.0"	
		JREF		1UB8487_Z06	



Design Crit: FBC2007Res/TPI-2002 (STD)
 $FT/RT=10\%(0\%)/0(0)$

PLT TYP.: Wave

Scale = .5"/Ft.



ALPINE

ITW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0 278

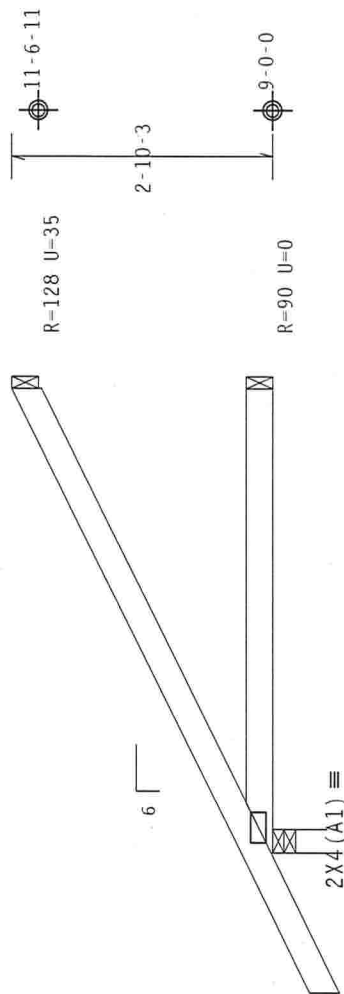


THIS DNG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

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



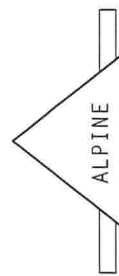
1-6-07

5-0-0 Over 3 Supports

R=329 U=24 W=3"
RL=75/-32

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%) / 0(0)

PLT TYP. Wave



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information, B2 (TPI and WCA) for details on the proper installation of trusses. Trusses shall have a properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint web bracing shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

[illegible]

Scale = .5"/Ft.

REF R487-- 47514

DATE 04/19/11

ORW HCUSR487 11109035

HC-ENG KD/DF

SEQN- 198342

DUR.FAC. 1.25

SPACING 24.0"

04/19/2011

general notes page: ITH-BCG: www.ithbcg.com; TPI: www.tpinst.org; WICA: www.sbcindustry.com;
ICC: www.iccsafe.org



(11-086--Fill in later BRYAN ZECHER/DECKER --, ** - E07)

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, 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

Roof overhang supports 2.00 psf soffit load.

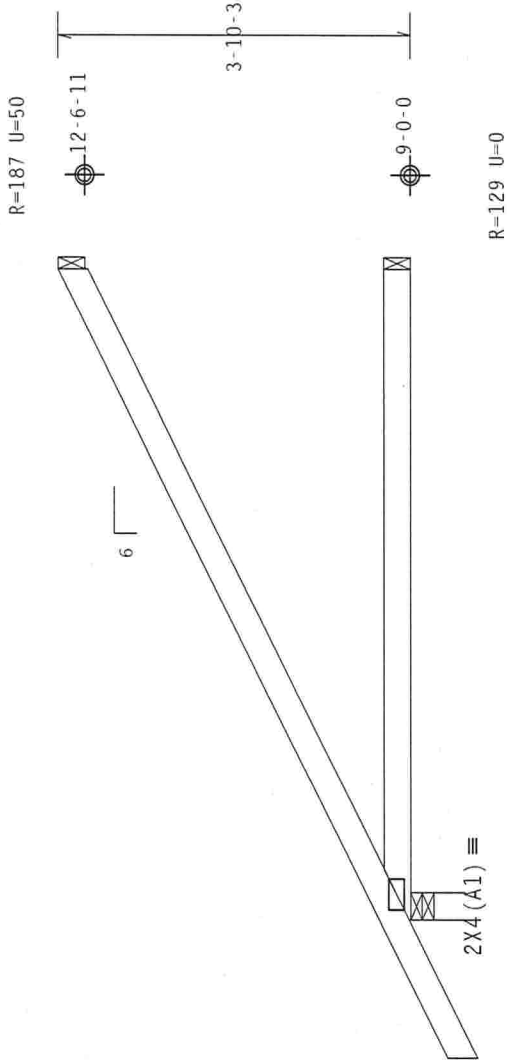
Wind reactions based on MWFRS pressures.

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

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

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

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



7'-0'-0" Over 3 Supports
R-408 U=25 W=3.5"
RL=98/-37

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

Scale =.5"/Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and MICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing between trusses unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint or webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing or failure of trusses. Apply plates to each face of truss and position as shown above and on the job site. The responsibility of the building designer for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpi1st.org; MICA: www.sbcindustry.com; ICC: www.iccsafe.org		No. 66648				TC LL	20.0 PSF	REF	R487--	47515
							TC DL	10.0 PSF	DATE	04/19/11	
							BC DL	10.0 PSF	DRW	HCUSR487	11109043
							BC LL	0.0 PSF	HC-ENG	KD/DF	
							TOT.LD.	40.0 PSF	SEQN-	198345	
							DUR.FAC.	1.25	JREF-	1UB8487_Z06	
						SPACING	24.0"				



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

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

Wind reactions based on MWFRS pressures.

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



R=262 U=26 W=3.5"
RL=52/-27

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

PLT TYP. Wave

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**
****IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.**

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

[illegible]

No. 66648
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF R487--	47516
TC DL	10.0 PSF	DATE	04/19/11
BC DL	10.0 PSF	DRW	HCUSR487 11109036
BC LL	0.0 PSF	HC-ENG	KD/DF *
TOT.LD.	40.0 PSF	SEQN-	198349
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UB8487_Z06



(11-086--Fill in later BRYAN ZECHER/DECKER -- , ** - CUST)

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

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

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

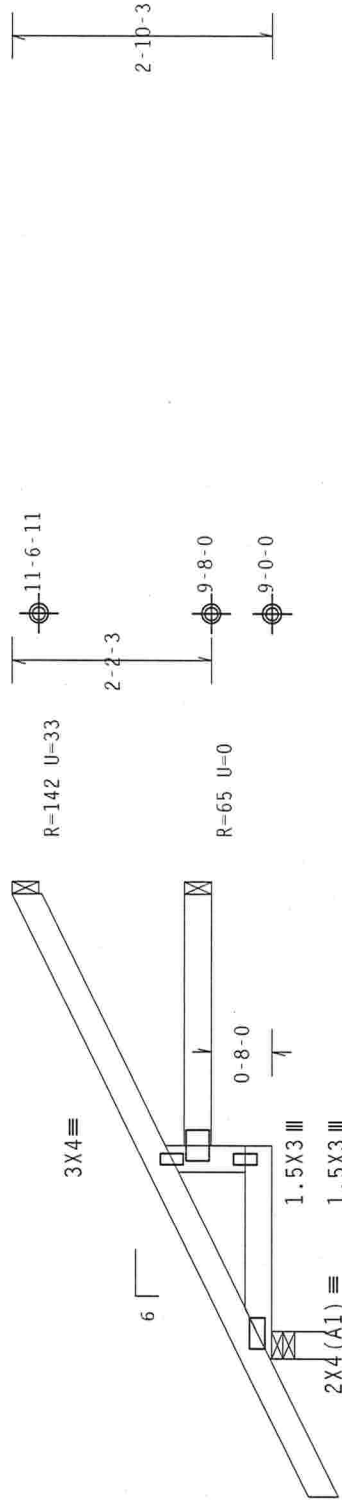
Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

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

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

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



1-6-0

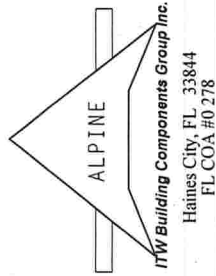
2-3-8

2-3-8
5-0-0 Over 3 Supports

R=331 U=24 W=3.5"
RL=75/-32

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by IPI and NCSA) for details on practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of truss shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint. The drawings, notes and specifications are the property of ITWBCG and shall remain confidential. The responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITH-BCG: www.ithbcg.com; IPI: www.tdfrst.org; NCSA: www.sciindustry.com; ICC: www.iccsafe.org



FL / - / 4 / - / - / R / -	TC LL	20.0 PSF	REF	R487 --	47517
TY: 2	TC DL	10.0 PSF	DATE	04/19/11	
9.05/03.0319/17	BC DL	10.0 PSF	DRW	HCUSR487	11109037
No. 66648	BC LL	0.0 PSF	HC-ENG	KD/DF	*
	TOT.LD.	40.0 PSF	SEQN	198353	
	DUR.FAC.	1.25			
	SPACING	24.0"	JREF	1UB8487_Z06	

Scale = .5" / Ft.





(11-086--Fill in later BRYAN ZECHER/DECKER --, ** - HJ7)

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

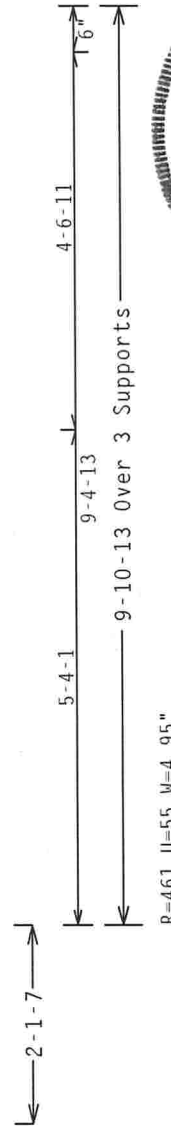
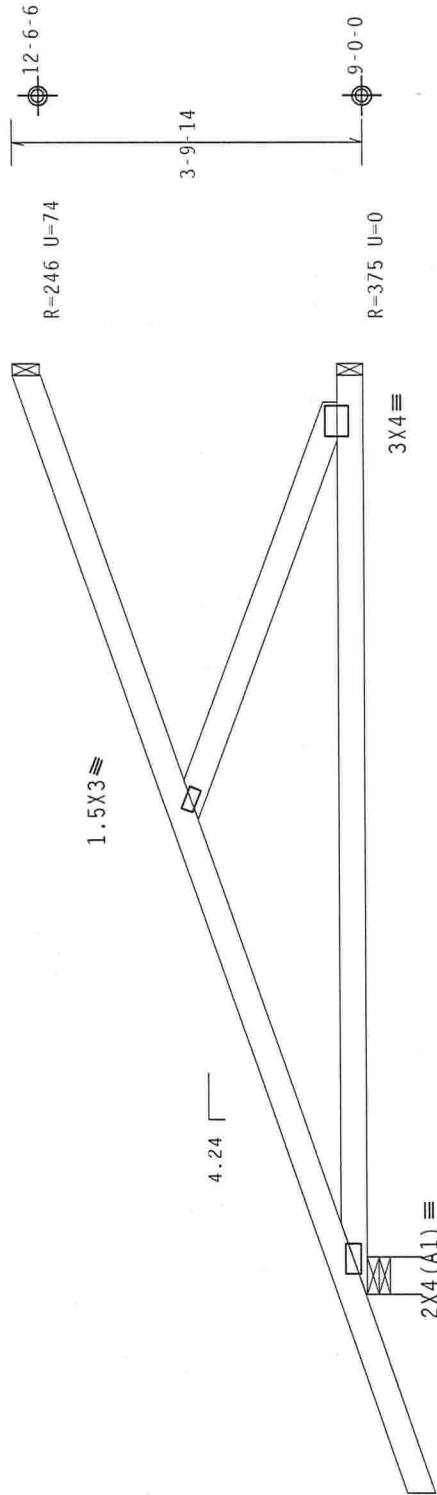
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.18

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

Wind reactions based on MWFRS pressures.

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .5" / Ft.

 ITW Building Components Group Inc. Haines City, FL 33844	FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.		FL / - / 4 / - / R / -		REF - R487 --	47519	
	Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraints. Web shall have bracing installed per BCSI sections B5, B7 or B10, as applicable.		TC LL		20.0 PSF	DATE	04/19/11
	ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with ANSI/HI 1.1-1. Building Component Safety Information (BCSI) shall be followed. Refer to drawings 1600-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the Building Designer per ANSI/HI 1.1 Sec. 2. For more information see: This job's general notes page: ITW-BG: www.itwbcg.com; IPI: www.ipinst.org; NICA: www.nicaindstry.com; ICC: www.iccsafe.org		BC DL		10.0 PSF	DRW	HCUSR487 11109039
			BC LL		0.0 PSF	HC-ENG	KD/DF
			TOT.LD.		40.0 PSF	SEQN-	198408
			DUR.FAC.		1.25	SPACING	24.0"
						JREF -	1UB8487_Z06



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

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

Wind reactions based on MWFRS pressures.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
PROVIDE HANGER OR SPECIAL CONNECTION AT BOTTOM CHORD.



Scale = .5"/Ft.

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

17 QTY:

9.05(03.031

BC200/Res/1P1-200Z (SIP)
FT/RT=10%(0%)/0(0)

Design Crit:

Wave

PLT TYPE

REF	R487 - -	47520
DATE	04/19/11	
DRW	HCUSR487	11109040
HC-ENG	KD/DF	
SEQN-	198377	
JREF-	11JB8487	Z06

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

No. 66648
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
04/19/2011

LETTERS.

recalling and bracing. Ref to a
man, lateral bracing per ASD
lateral sheathing and bottom
member lateral restraint to web
for any deviation from this
handling, shipping, installation
be shown above and on the joist
and plate positions. A seal on
professional engineering
for this design for any structure is
for more information see: This job's
www.sbcindustry.com;

READ AND FOLLOW ALL NOTES ON THIS DRAWING.

In fabricating, handling, shipping, transporting component safety items, BESS building components must always be handled and stored in accordance with the following instructions:

- a. All BESS building components must have properly attached tie-downs at all times during transport and storage to prevent shifting or sliding while in transit.
- b. Tie-downs shall be used in accordance with applicable Federal Motor Vehicle Safety Standards (FMVSS) and Department of Transportation (DOT) regulations.
- c. Locations shown for tie-downing are based on weight distribution and are subject to change without notice.
- d. Refer to BESS sections 83, 87 or 810, as applicable.

(LHMGD) shall not be responsible for damage to BESS building components caused by improper use of ANSI/TPI 1-2016 drawings. Refer to drawings T00-2 for static load limits and design acceptance criteria. The suitability and applicability of this drawing to specific designs shall be determined by the designer per ANSI/TPI 1 Sec. 2. For more information contact LHMGD Design per ANSI/TPI 1 Sec. 2. www.lhmgd.com; TPI@lhmgd.com; www.tpi.org.

****IMPOUND****

****WARNINGS****

Trusses require extreme care to be installed. Follow the latest edition of the manufacturer's instructions and practices prior to performing any work. Trusses shall have a properly attached and braced roof system. Trusses shall have bracing installed.

ITW Building Components

any failure to build in accordance with the details, unless noted otherwise, shall apply to the manufacturer's drawings or cover page listing. The manufacturer shall be responsible solely for the responsibility of the general notes page: IIN-BCC

Inc.

ALPINE
NW Building Components Group
Haines City, FL 33844



(11-086--Fill in later BRYAN ZECHER/DECKER --, ** - MG)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCp1 (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Special loads	Dur.Fac.=1.25 / Plate	Dur.Fac.=1.25
----- (Lumber		
TC-From	62 plf at 0.00 to	62 plf at 7.00
BC-From	10 plf at 0.00 to	10 plf at 7.00
BC-1932.96	lb Conc. Load at	0.56
BC-981.95	lb Conc. Load at	2.56, 4.56
BC-985.74	lb Conc. Load at	6.56

Right end vertical not exposed to wind pressure.

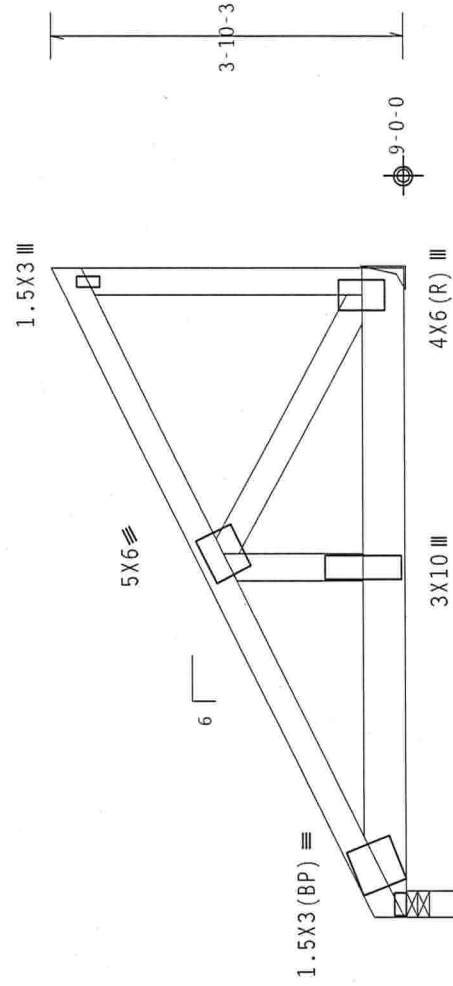


Diagram showing the layout of the bridge deck with dimensions:

- Deck width: 7'-0" over 2 Supports
- Deck sections: 3'-9" 4" (left), 3'-9" 4" (middle), 3'-10" 0" (right)
- Total width: 11'-12"

R=3122 U=391 W=3.5"

R=2267 U=231
H=H1

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

FL/-/4/-/-/R/-
Scale = .5"/Ft.

03.0319/17 QTY:

Scale = .5"/Ft.

REF R487-- 47521

DATE 04/19/11

DRW HCUSR487 11109041

HC-ENG KD/DF

SFON- 198580

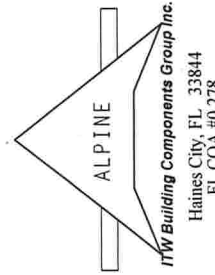
	0
	0
	0
	0
	0
	4
	2
	5
	1
	0

JREF- 11R8487 706

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

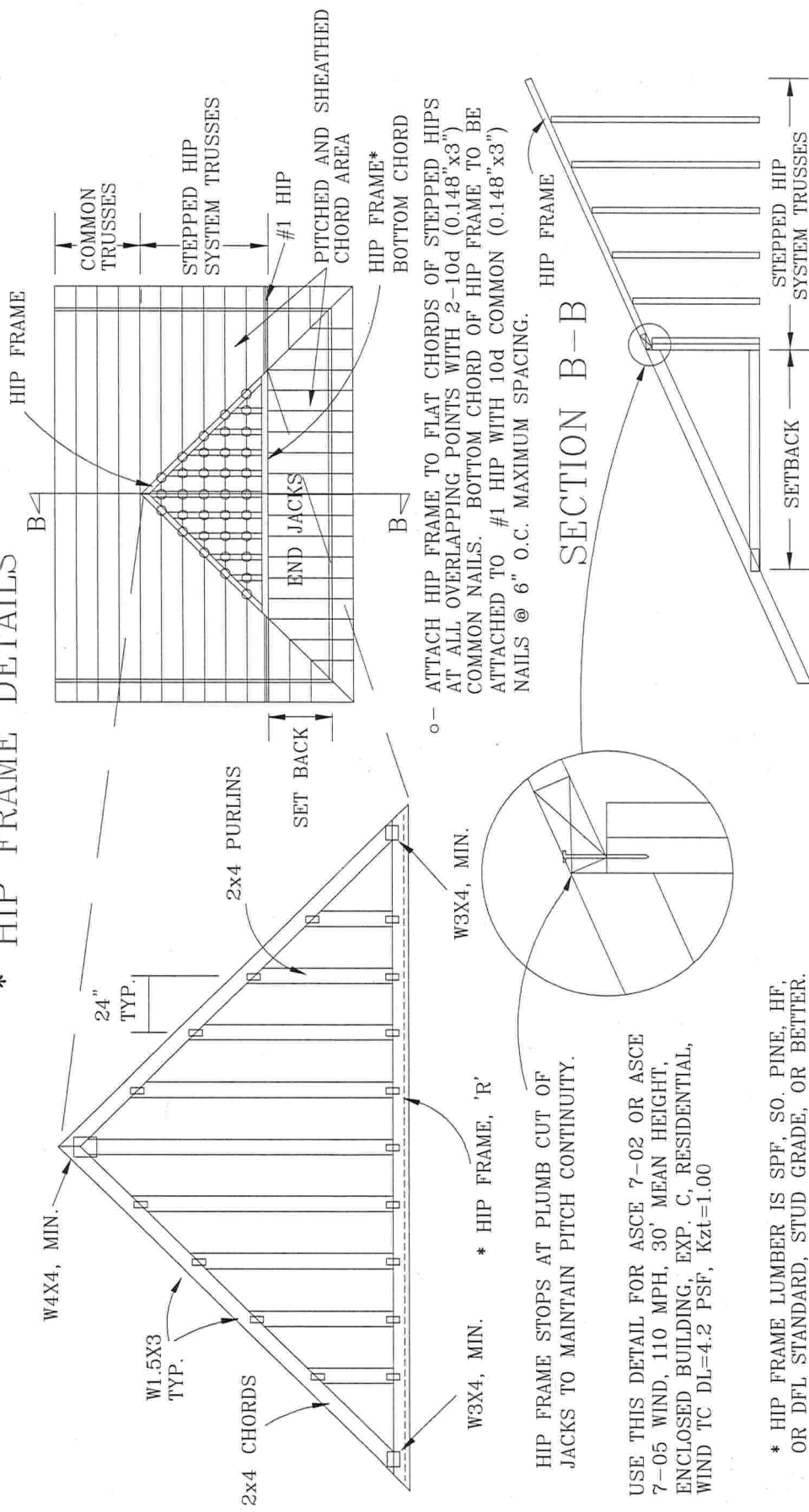
Trusses require extreme care in fabricating, handling, slinging, installing and bracing. Refer to the latest edition of BS5400 (British Standard for Steelwork for Buildings) for TPI and WJCA for the following information. BS5400 Part 1, Table 10, specifies that installers shall provide temporary bracing per BS5400 Part 1, Table 10, for all trusses. Trusses shall be braced in accordance with the following notes. Unless noted otherwise, top chord shall be properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of wall shall have bracing installed per BS5400 sections B3, B or B10, as applicable.

ITW Building Components Group Inc. (IBCG) shall not be responsible for any deviation from the design of a building component, or any failure to build the truss in conformance with ANSI/APT 1, or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Detail, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer. Please contact the IBCG Design Manager for more information. IBCG: 1-800-368-5476; www.ibcg.com; apt: www.aptinc.org; ncca: www.nccaindstry.com; IBCG: www.ibcg.org





* HIP FRAME DETAILS



SEE ENGINEER'S SEALED DESIGN FOR SETBACK, LUMBER, PLATING, LOADING AND DURATION FACTOR REQUIRED.

'R' HIP FRAME CHORDS MAY BE TRIMMED UP TO 2" TO FIT.
PURLINS MUST BE INTACT AND PROPERLY ATTACHED.

HIP FRAME - PROVIDED BY TRUSS MANUFACTURER.
HIP FRAME IS DESIGNED TO PROVIDE BRACING FOR FLAT
TOP CHORDS OF HIP FRAME SYSTEM WHERE INDICATED.
STRAIGHT FLAT CHANNELS MUST BE PROPERLY ATTACHED DIRECTLY
TO HIP FRAME CHORDS.

STRUTURAL PANELS MU
HYDRAFRAM PARLINS

••WARNING•• READ AND FOLLOW ALL NOTES ON THIS SHEET! Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI Building Component Safety Information, by TPI and WTCa) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached panel. Locations shown for permanent lateral restraint of webs shall have bracing installed per the sectionings B3 and B7. See this job's general notes page for more information.

IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR
ITW Building Components Group, Inc. (TWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with TPI, or fabricating, handling, installing or bracing of trusses. TWBCG connector plates are made of 20/18/16GA (W/H/S/K) ASTM A653 grade 50 (K/W/H/S) galv. steel. Apply plates at each face of truss, positioned as shown above and on Joint Detail A. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.

REF	HIP FRAME
DATE	1/1/09
DRWG	HIPFRAME0

A circular professional engineer seal for the State of Florida. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "STATE OF FLORIDA" at the bottom, separated by stars. In the center, it says "No. 66648". A signature is written across the seal. Below the seal, there is a small rectangular stamp that reads "RECEIVED" and "JAN 10 2011". To the right of the seal, there is a date stamp "JAN 10 2011". At the bottom left, there is a partially visible stamp that says "I hereby certify that the following signed and sealed..." followed by a star.



TWN
Building Components Group Inc.

Earth City, MO 63045

10/26/2011



