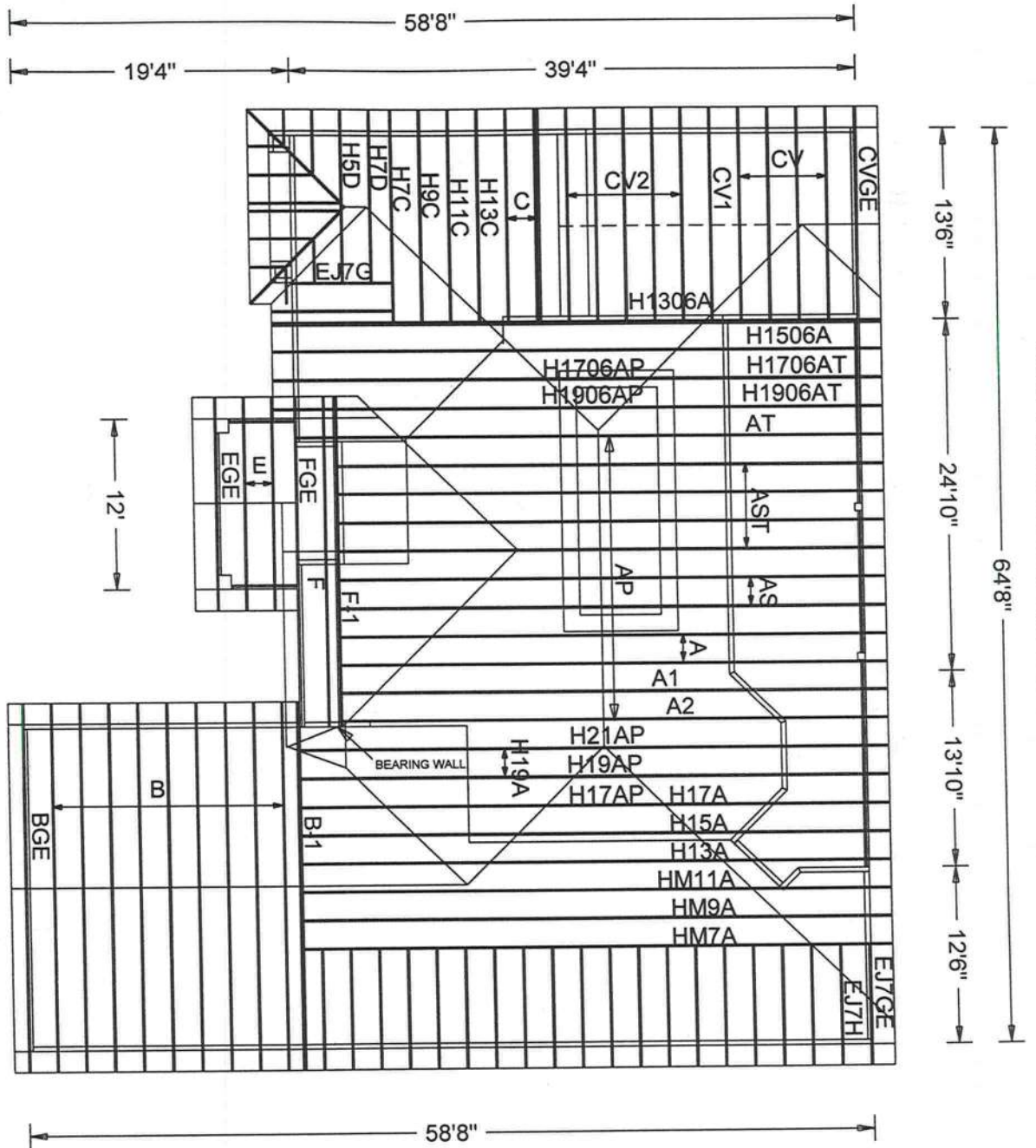


Roof Plane Sheathing Area = 4182 sq. ft



MATTHEW ERKINGER/KELLY LAKE LOT 2

PERMIT # 21736

JOB NO: 025	DESIGNED BY:	JOB DESCRIPTION: MATTHEW ERKINGER/KELLY LAKE L	JOB LOCATION:
PAGE NO: 1 OF 1			

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844 (863) 422-8685
 Florida Engineering Certificate of Authorization Number: 567
 Page 1 of 1 Document ID: ISCT487-Z0730133121

Truss Fabricator: Anderson Truss Company
 Job Identification: 025-MATTHEW ERKINGER/KELLY LAKE LOT 2 (025-MATTHEW ERKINGER/KELLY LAKE LOT 2)
 Truss Count: 49
 Model Code: Florida Building Code 2001
 Truss Criteria: ANSI/TPI-1995(STD)/FBC
 Engineering Software: Alpine Software, Versions 6.33.0716.23, 7.00.1218.19.

Structural Engineer of Record:
 Address:
 Minimum Design Loads: Roof - 40 PSF @ 1.25 Duration
 Floor - N/A
 Wind - 110 MPH ASCE-98 - 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 1-1995 Section 2.2

2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.

3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Details: BRCLBSUB-A11015EC-GBLLETIN

#	Ref	Description	Drawing#	Date
1	68487	--HM7A	04121128	04/30/04
2	68488	--H1306A	04121129	04/30/04
3	68489	--HM9A	04121130	04/30/04
4	68490	--HM11A	04121131	04/30/04
5	68491	--H13A	04121132	04/30/04
6	68492	--H15A	04121133	04/30/04
7	68493	--H1506A	04121134	04/30/04
8	68494	--H17A	04121135	04/30/04
9	68495	--H19A	04121136	04/30/04
10	68496	--A2	04121137	04/30/04
11	68497	--A1	04121138	04/30/04
12	68498	--A	04121139	04/30/04
13	68499	--AS	04121140	04/30/04
14	68500	--AST	04121141	04/30/04
15	68501	--H1706AT	04121142	04/30/04
16	68502	--H1906AT	04121143	04/30/04
17	68503	--AT	04121144	04/30/04
18	68504	--B	04121145	04/30/04
19	68505	--BGE	04121146	04/30/04
20	68507	--H7C	04121148	04/30/04
21	68508	--H9C	04121149	04/30/04
22	68509	--H11C	04121150	04/30/04
23	68510	--H13C	04121151	04/30/04
24	68511	--C	04121152	04/30/04
25	68512	--CVGE	04121153	04/30/04
26	68513	--CV	04121154	04/30/04
27	68514	--CV1	04121155	04/30/04
28	68515	--CV2	04121156	04/30/04
29	68516	--H5D	04121157	04/30/04
30	68517	--H7D	04121158	04/30/04
31	68518	--EGE	04121159	04/30/04
32	68519	--E	04121160	04/30/04
33	68520	--F	04121161	04/30/04
34	68521	--FGE	04121177	04/30/04
35	68522	--F-1	04121162	04/30/04
36	68523	--EJ7	04121163	04/30/04
37	68524	--EJ7H	04121164	04/30/04
38	68525	--EJ7GE	04121165	04/30/04

#	Ref	Description	Drawing#	Date
39	68526	--CJ1	04121166	04/30/04
40	68527	--HJ5	04121167	04/30/04
41	68528	--CJ3	04121168	04/30/04
42	68529	--EJ7G	04121169	04/30/04
43	68530	--EJ5	04121170	04/30/04
44	68531	--AP	04121171	04/30/04
45	68532	--H1706AP	04121172	04/30/04
46	68533	--H1906AT	04121173	04/30/04
47	68534	--H17AP	04121174	04/30/04
48	68535	--H19AP	04121175	04/30/04
49	68536	--H21AP	04121176	04/30/04

Seal Date: 04/30/2004

-Truss Design Engineer-
 James F. Collins Jr.

Florida License Number: 52212
 1950 Marley Drive

Haines City, FL 33844

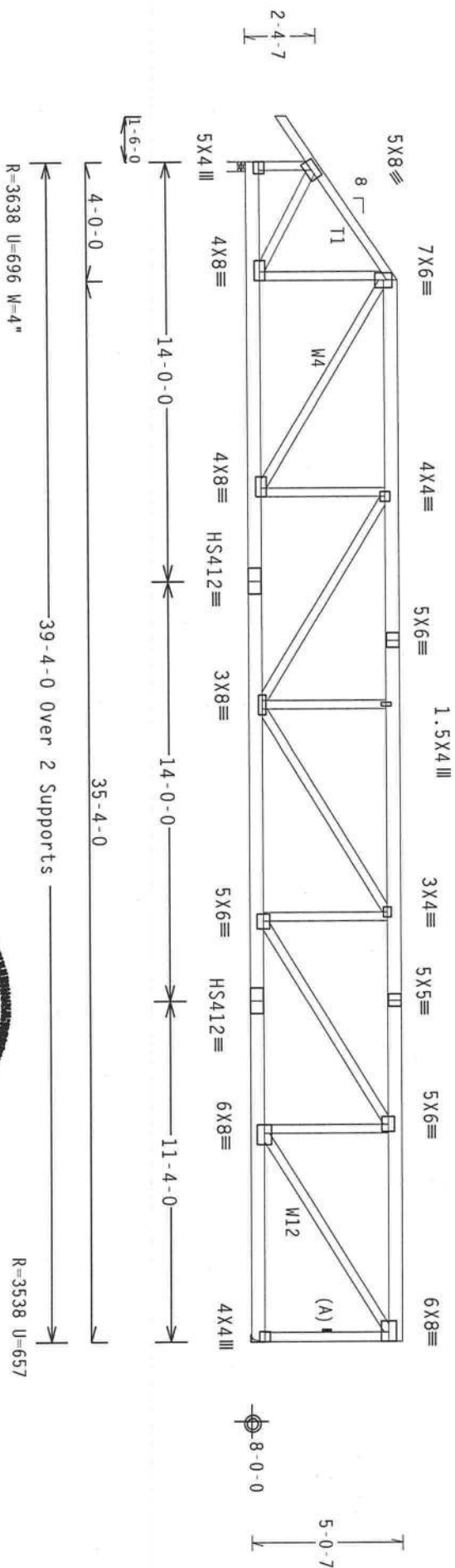
(A) Continuous lateral bracing equally spaced on member.

girder supports 7-0-0 span to TC/BC split one face and 2-0-0 span to TC/BC split opposite face.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Deflection meets $L/360$ live and $L/240$ total load.



PLT TYP. 20 Gauge HS, Wave TPI

Design Crit: TPI-1995(STD)/FBC

19

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

Scale = .1875" / Ft.

****WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.**

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

OR FABRICATING, HANDLING, SHIPPING, INSTALLING & DRACING OF TRUSSES

CONNECTION PLATES MADE OF 60/40 LEAD (WELDING) FROM ROSS BRASS AND 1/2" THICK PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2

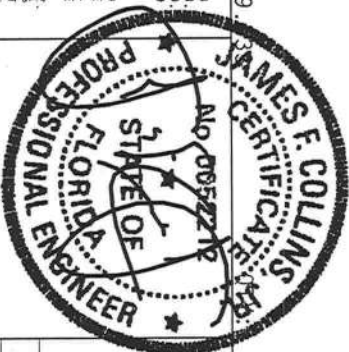
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Alpine Engineered Products, Inc

Haines City, FL 33844

FL Certificate of Authorization # 567



Apr 30 '04

TC LL	20.0 PSF	REF	R487 - 68487
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121128
BC LL	0.0 PSF	HC-ENG	GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83642
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487_Z07

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 :W11 2x4 SP #2 Dense:

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -1.50 to 60 PLF at 40.83
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 39.33
BC - From 4 PLF at 39.33 to 4 PLF at 40.83
BC - 510 LB Conc. Load at 10.06
BC - 545 LB Conc. Load at 12.06, 14.06, 16.06, 18.06, 20.06
22.06, 22.27, 24.27
BC - 491 LB Conc. Load at 26.27
BC - 521 LB Conc. Load at 28.27, 30.27
BC - 1471 LB Conc. Load at 32.27

See DWGS TCFILLER103 and BCFILLER103 for filler details.
Laterally brace BC above filler @ 24" OC

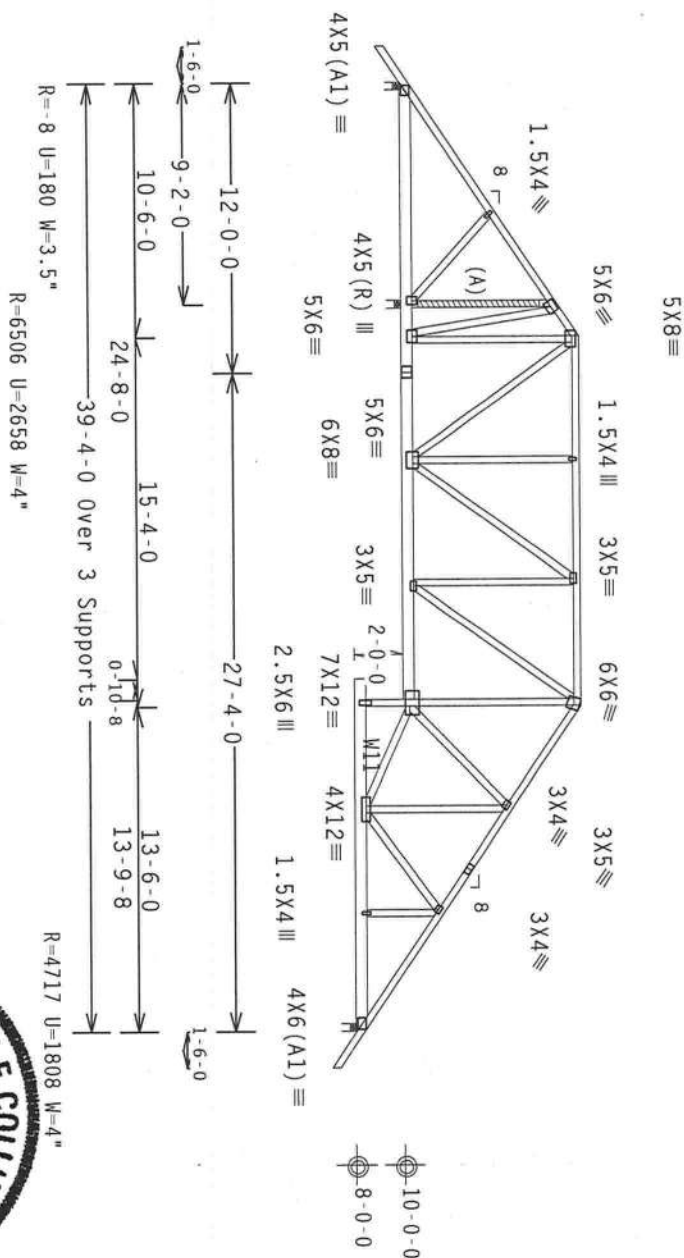
2 COMPLETE TRUSSES REQUIRED

NAILING SCHEDULE: (10d common nails)
TOP CHORD: 1 ROW @ 12" o.c.
BOT CHORD: 1 ROW @ 8" o.c.
WEBS : 1 ROW @ 4" o.c.
USE EQUAL SPACING BETWEEN ROWS AND STAGGER NAILS
IN EACH ROW TO AVOID SPLITTING.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, 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.

Deflection meets L/360 live and L/240 total load.

(A) scab brace, 80% length of web member. Same size,
species & grade or better. Attach with 10d nails @ 6" OC.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

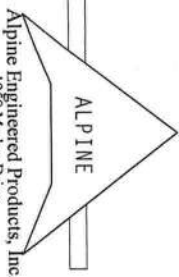
19

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

Scale = .125" / Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-01 (BUILDING COMPONENTS) AND 1-02 (TRUSSES) OF THE NATIONAL TRUSS COUNCIL OF AMERICA, 6000 ENTERPRISE LK, HANOVER, MD 21076, 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. ALPINE ENGINEERED PRODUCTS, 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/P) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1664 (W. 1/8" X 1/4" X 1/4" GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIA/P AS OF 1/11/2002 SEC. 2. DRAWING INDICATES ACCEPTANCE OF 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 AIA/P 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68488
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUR487 04121129
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83620
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SC1487_207

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

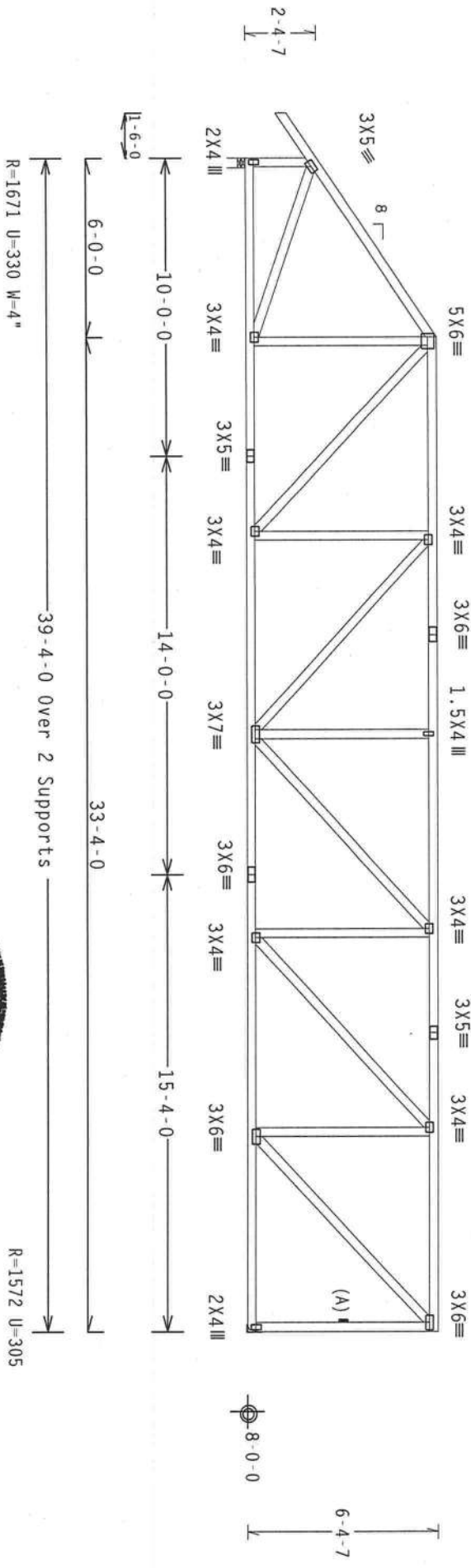
End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.

110 mph wind, 11.87 ft mean hgt, ASCE 7-98, 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.

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



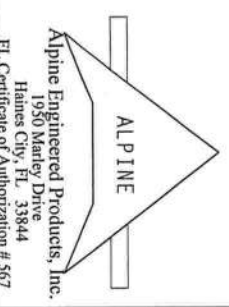
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19

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

Scale = .1875"/Ft.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 68489
IC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCSR487 04121130
BC LL	0.0 PSF	HC-ENG	GDL/AF
TOT. LD.	40.0 PSF	SEQN	83645
DUR. FAC.	1.25		
SPACING	24.0"	JREF	1SCI487_207

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

End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

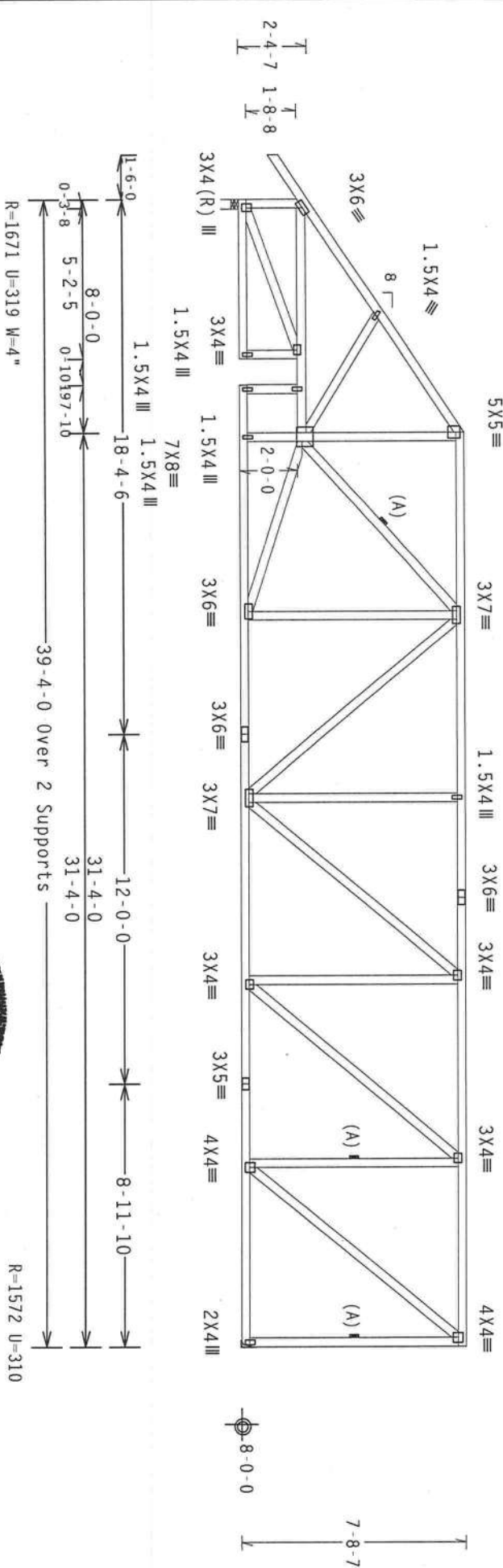
See DWGS TCFILLER1103 and BCFILLER1103 for filler details.

LATERALLY BRACE BC ABOVE FILLER @ 24" OC

110 mph wind, 12.54 ft mean hgt, ASCE 7-98, 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.

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

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

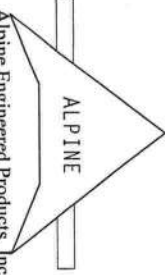
1995

FL-/4/-/-R/-

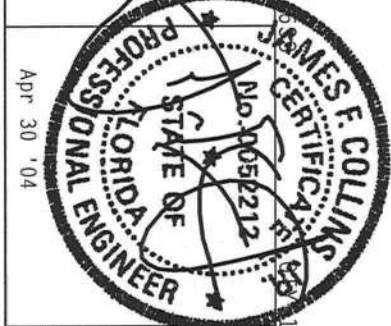
Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTERIOR GALE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 568 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE L 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. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI TRUSS PLATE INSTITUTE, 568 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE L 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 Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization #567

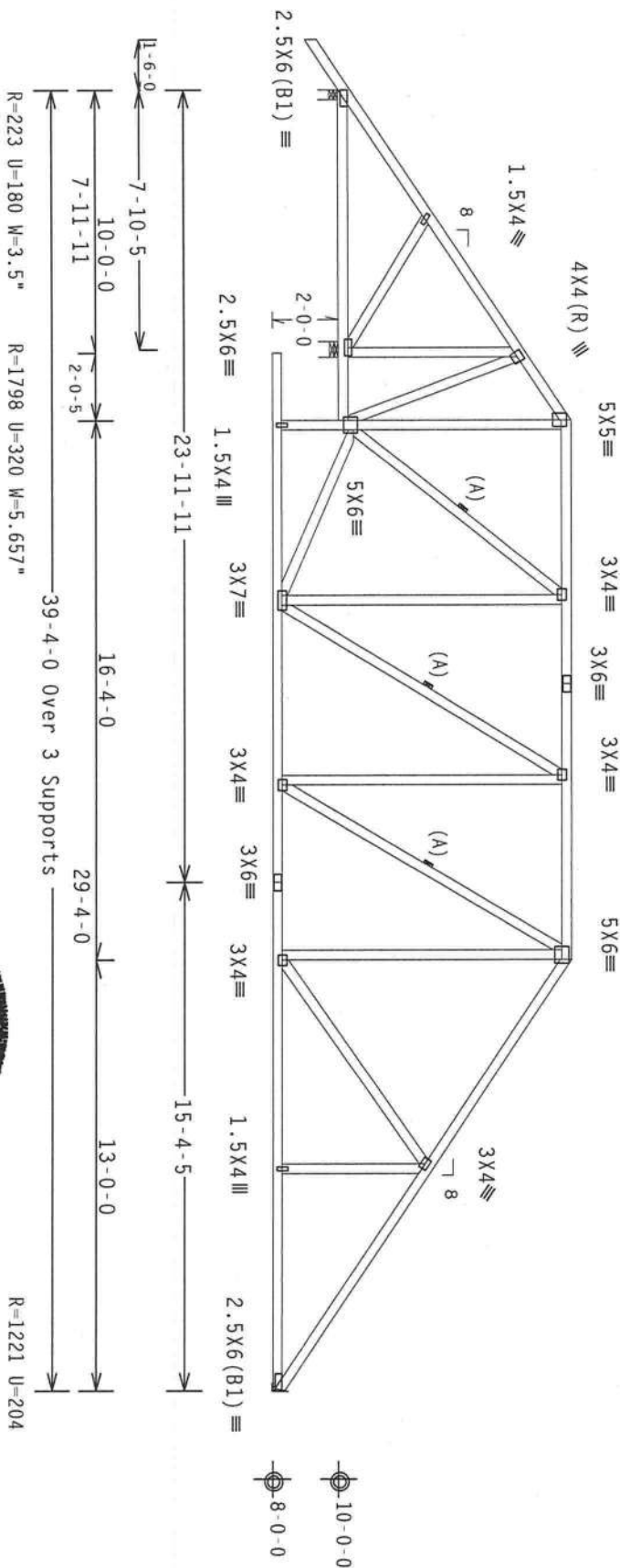


TC LL	20.0 PSF	REF	R487-- 68490
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121131
BC LL	0.0 PSF	HC-ENG	GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83648
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SCI487_207

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

See DWGS ICFILLER103 and BCFILLER103 for filler details.
LATERALLY BRACE BC ABOVE FILLER @ 24" OC

(A) Continuous lateral bracing equally spaced on member. Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19. ~~8~~ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$

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

Scale = .1875" / Ft.

WARNING TOPS REQUIRE EXPERT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATING INSTITUTE, 5835 W. 106TH RD., SUITE 200, MOHAWK, MI 52125) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE IN MOHAWK, MI 52129) FOR SAFETY PRACTICES BEFORE TO REFORGING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LIFTING CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (M.H/S/K) ASIM A653 GRADE 40/60 (W. K/H.S) GALV. 3 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DR

ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TR

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

Alpine Engineered Products, Inc.
1950 Mailey Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

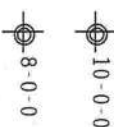
APR 30 '04

STATE OF FLORIDA
PROFESSIONAL ENGINEER
JAMES F. COLLINS
CERTIFICATE #46
No. 6652712

REF	R487 - -	68491
DATE	04/30/04	
DRW	HCUSR487	04121132
HC-ENG	GDL/AF	
SEQN-	83651	
STOT.LD.	40.0	PSF
8BC LL	0.0	PSF
8BC DL	10.0	PSF
8BC LL	0.0	PSF
STOT.LD.	40.0	PSF
DDUR.FAC.	1.25	
SPACING	24.0"	
JREF	- 1SC1487_207	

110 mph wind, 13.37 ft mean hgt., ASCE 7-98, 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

(A) Continuous lateral bracing equally spaced on member. Deflection meets L/360 live and L/240 total load.



Scale = .1875" / Ft.

583
LN
ATED
CHED

ALPINE ENGINEERED
 TO BUILD THE

Alpine Engineered Products, Inc.

Haines City, FL 33844
FL Certificate of Authorization # 567

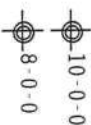


Apr 30 '04

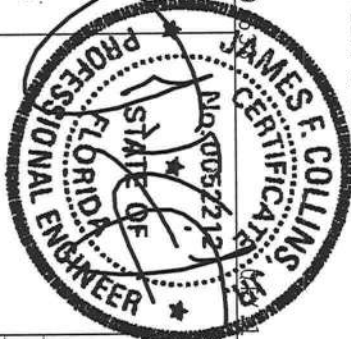
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TC DL	10.0 PSF	DATE	04/30/04	
BC DL	10.0 PSF	DRW	HCUSR487	04121133
BC LL	0.0 PSF	HC-ENG	GDL/AF	
TOT.LD.	40.0 PSF	SEQN-	83654	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SCI487_207	

110 mph wind, 13.04 ft mean hgt, ASCE 7-98, 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.

Deflection meets L/360 live and L/240 total load.



Scale = .125"/ft.



TC LL	20.0 PSF	REF	R487 - -	68493
TC DL	10.0 PSF	DATE	04/30/04	
BC DL	10.0 PSF	DRW	HCUSR487	0412113
BC LL	0.0 PSF	HC-ENG	GDL/AF	
TOT.LD.	40.0 PSF	SEON-	83628	
DUR.FAC.	1.25			
SPACING	24.0"	JREF -	1SCI487_207	

****WARNING**** FRILES REQUIRE EXTREME CARE IN INSTALLATION. HANDLING, UNWIPPING, INSTALLING AND BRACING REFER TO DC51-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TROSS LUMBER INSTITUTE, 5830 O'CONNOR DR., SUITE 200, MALDEN, WI 53129) AND WICA (WOOD ROSS COUNCIL OF AMERICA, 6500 EMPIRE BLVD, MALDEN, WI 53129) FOR SAFETY PRECAUTIONS PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED PLECO CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THIS FRILE IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BROSSING. ALPINE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 201/91654 (H/H/SX) ASTM A653 GRA50 40/60 (W, K/H/S) GALV. STEEL. APPROX. 2 PLATES TO EACH FACE OF THUS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING. ALPINE 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEAS AS OF 1/1/2002. SECTIONS ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SECT FOR THE TROSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS CONNECTION FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

(A) Continuous lateral bracing equally spaced on member. Deflection meets L/360 live and L/240 total load.



Design Crit: TPI-1995(STD)/FBC

19

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

Scale = .1875"/Ft.

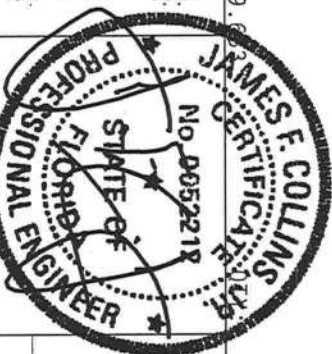
• **WARNING—**PROPS REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO BCES 1-30 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'NEAL RD., SUITE 200, MADISON, WI 53719) AND WCA (WOOD ROSS COMPANY OF AMERICA, 6300 KEMPSEE 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

ALPINE

Alpine Engineered Products, Inc.

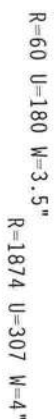
FI Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - - 68494
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HGUSR487 04121135
BC LL	0.0 PSF	HC-ENG	GDL/AF
TOT.LD.	40.0 PSF	SEQN -	83489
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1SCI487_Z07

110 mph wind, 13.37 ft mean hgt, ASCE 7-98, 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.

(A) Continuous lateral bracing equally spaced on member. Deflection meets $L/360$ live and $L/240$ total load.



Scale = .1875" / Ft.

Alpine Engineered Products, Inc.

FI Certificate of Authorization # 567

Apr 30 '04

TC LL	20.0 PSF	REF	R487-- 68495
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121136
BC LL	0.0 PSF	HC-ENG	GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83498
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487_Z07

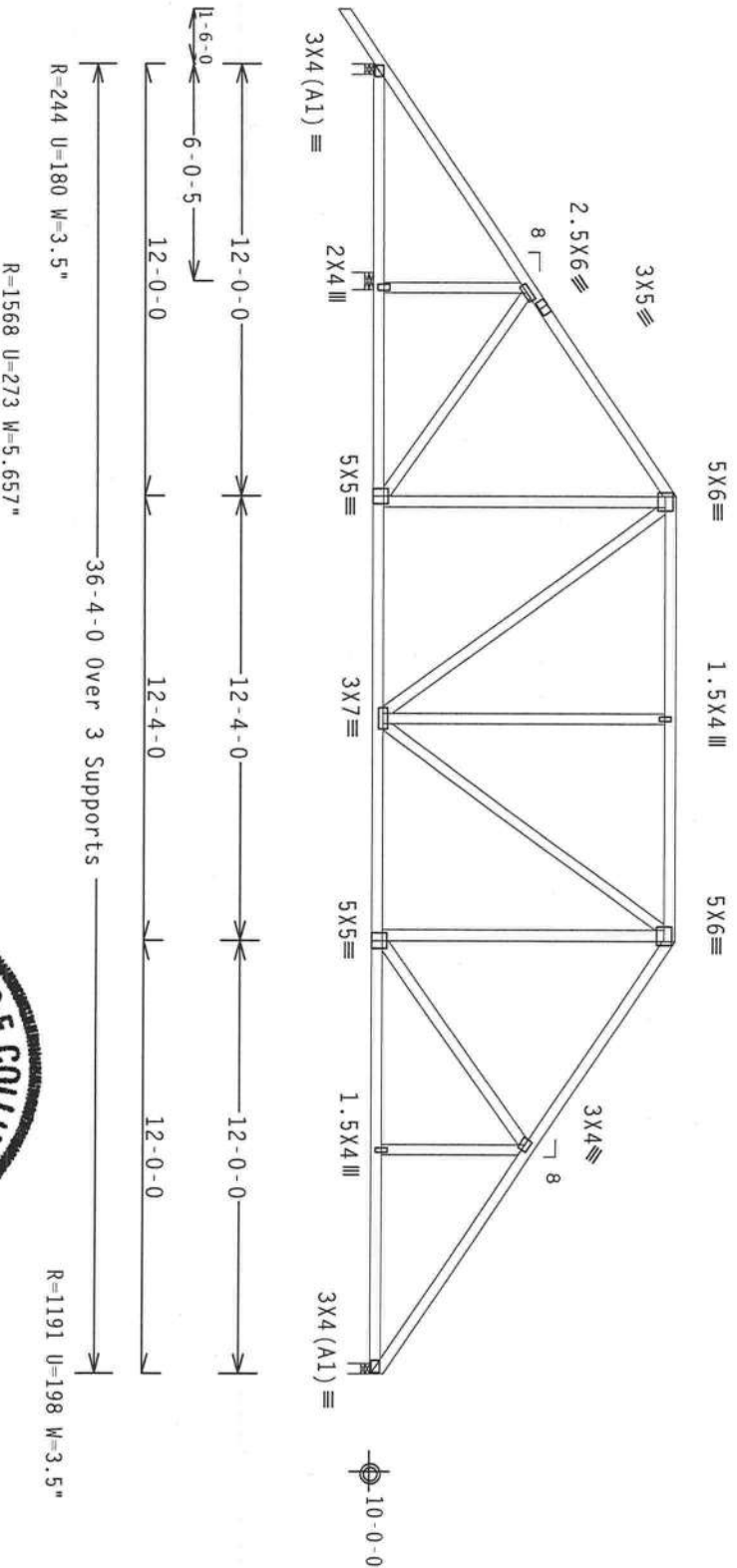
JREF - 1SCI487_Z07

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

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, 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.

NOTE: TRUSS NOT DESIGNED TO BE INSTALLED IN REVERSE
ORIENTATION. TRUSS MUST BE INSTALLED AS SHOWN.

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19

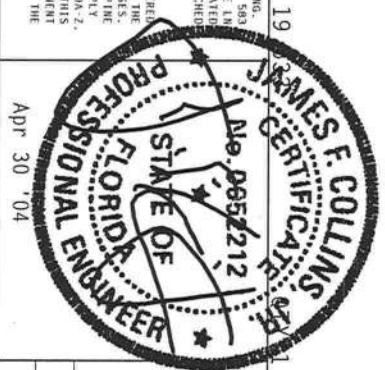
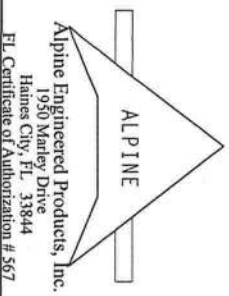
FL/-/4/-/-/R/-

Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (GUIDELINE COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNSTON DR., SUITE 200, MOONSON, WI 53719) AND AFCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MOONSON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL TRUSSES 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.

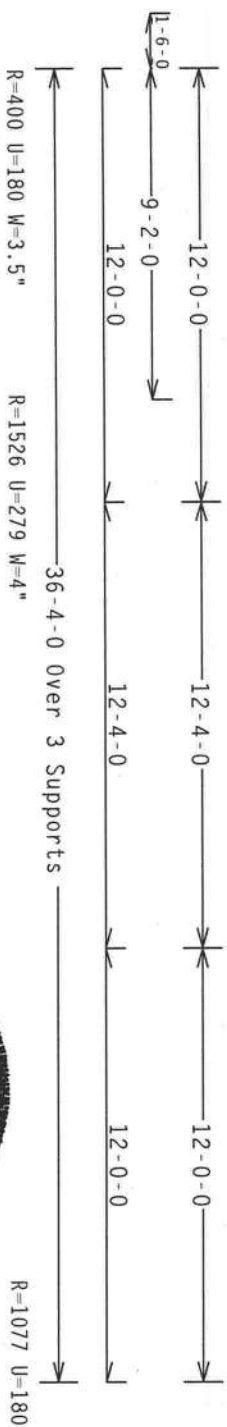
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FABRICATING, BRACING, OR INSTALLING TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFCA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA. (4/H/S) ASTM A653 GRADE 40/60 (4, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1600-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R487 - 68496
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121137
BC LL	0.0 PSF	HC-ENG	GDL/AF
TOT.LD.	40.0 PSF	SEON-	83627
DUR.FAC.	1.25		
SPACING	24.0"	JREF - 1SC1487_207	

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, 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.

(A) Continuous lateral bracing equally spaced on member. Deflection meets $L/360$ live and $L/240$ total load.



Scale = .1875"/Ft.

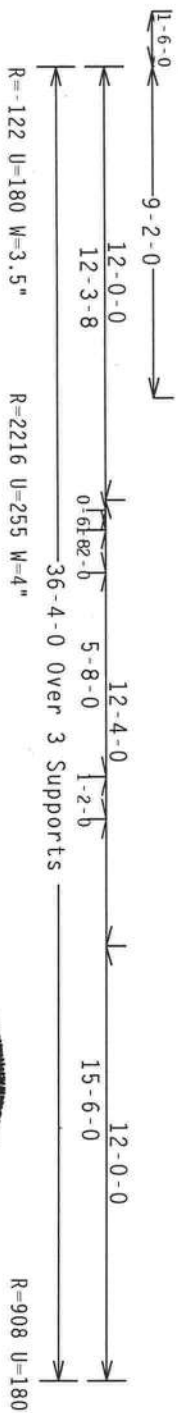
REF	R487 - - 68498
DATE	04/30/04
DRW	HCUSP487 04121139

HC-ENG	GDL/AF
SEQN -	83633
REF -	1SCI487_207

Webs 2x4 SP #3 :W10 2x6 SP #2:

(A) Continuous lateral bracing equally spaced on member. Deflection meets $L/360$ live and $L/240$ total load.

Deflection meets L/360 live and L/240 total load.



R=908 U=180

Scale = .1875" / Ft.

REF	R487 - - 68499
DATE	04/30/04

[illegible]

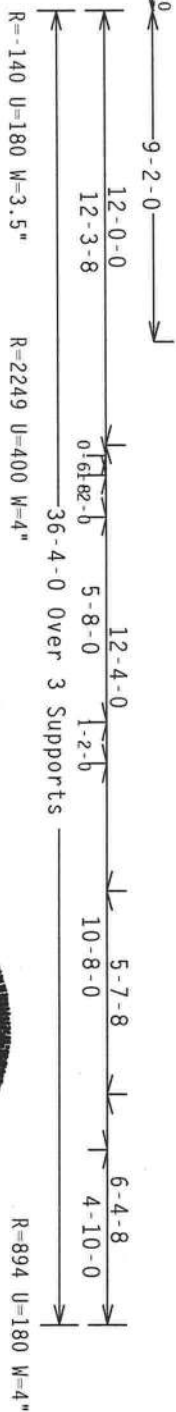
HC-ENG GDL/AF

JREF - 1SCI487_Z07

Webs 2x4 SP #3 :W10 2x6 SP #2:

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, 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.

Deflection meets L/360 live and L/240 total load.



R=894 U=180 W=4"

Scale = .1875" / Ft.

No 80522712

REF	R487 -- 68500
DATE	04/30/04

Alpine Engineered Products, Inc.

Haines City, FL 33844



~~Apr~~ 30 '04

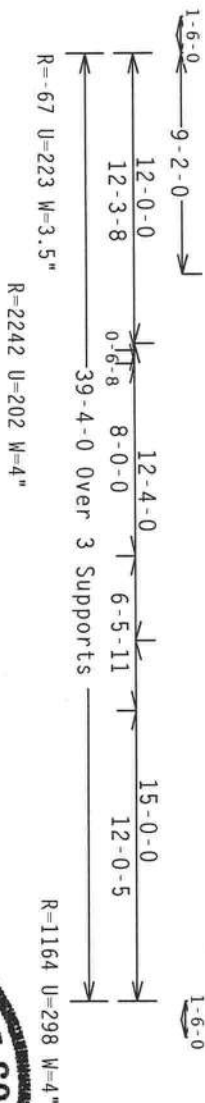
SPACING 24.0"

JREF - 1SCI487 Z07

110 mph wind, 12.87 ft mean hgt, ASCE 7-98, 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.

Deflection meets $L/360$ live and $L/240$ total load.

See DWGS ICFILLER103 and BCFILLER103 for filter details.
 Laterally brace BC above filler @ 24" OC



Design Crit: TPI-1995(STD)/FBC

19.

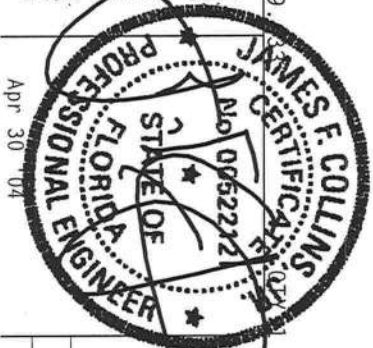
FL/-/4/-/-/R/-

Scale = .125"/Ft.

WARNING JAILS REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51-1-93 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATING INSTITUTE, 5830 O'NEAL RD., SUITE 200, MADISON, WI 53719) AND TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE BLVD., MADISON, WI 53719) FOR SAFETY PRACTICES BEFORE PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD CEILING.



Alpine Engineered Products, Inc.
1950 Maule Drive
Haines City, FL 33844

[illegible]

Apr 30 '04

TC LL	20.0 PSF	REF	R487 -- 68501
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121142
BC LL	0.0 PSF	HC-ENG	GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83624
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487 Z07

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W8 2x4 SP #2 Dense:
:W10 2x6 SP #1 Dense:

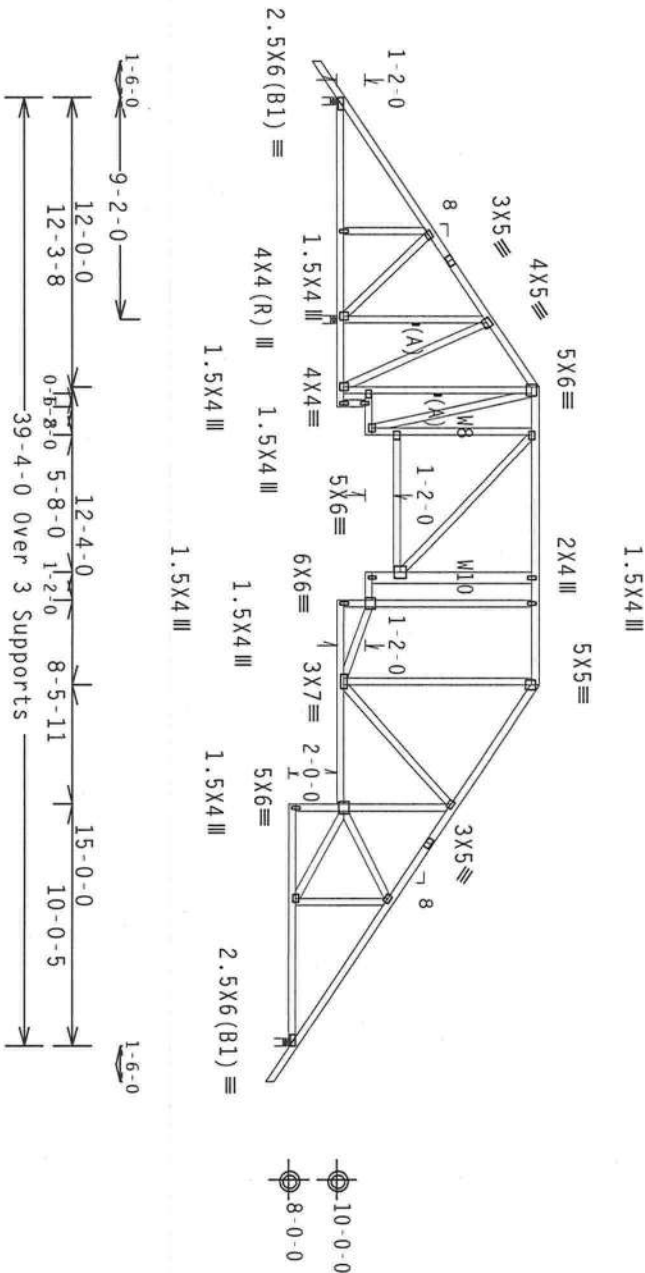
(A) Continuous lateral bracing equally spaced on member.

See DWG6 TCFILLER103 and BCFILLER103 for filler details.
LATERALLY BRACE BC ABOVE FILLER @ 24" OC

110 mph wind, 12.87 ft mean hgt, ASCE 7-98, 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.

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

Deflection meets L/360 live and L/240 total load.



Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19

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

Scale = .125"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 368 D'AMORIO DR., SUITE 200, MADISON, WI 53719) 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 PLATES AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD OR INSTALL IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD OR INSTALL IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER.

ALPINE ENGINEERED PRODUCTS, INC. 1950 Marley Drive Haines City, FL 33844

FL Certificate of Authorization # 567



SPACING	24.0"	JREF - 1SC1487_207
DUR.FAC.	1.25	
TOT.LD.	40.0 PSF	HC-ENG GDL/AF
BC DL	10.0 PSF	DRW HCUSR487 04121143
TC DL	10.0 PSF	DATE 04/30/04
REF	R487--	68502

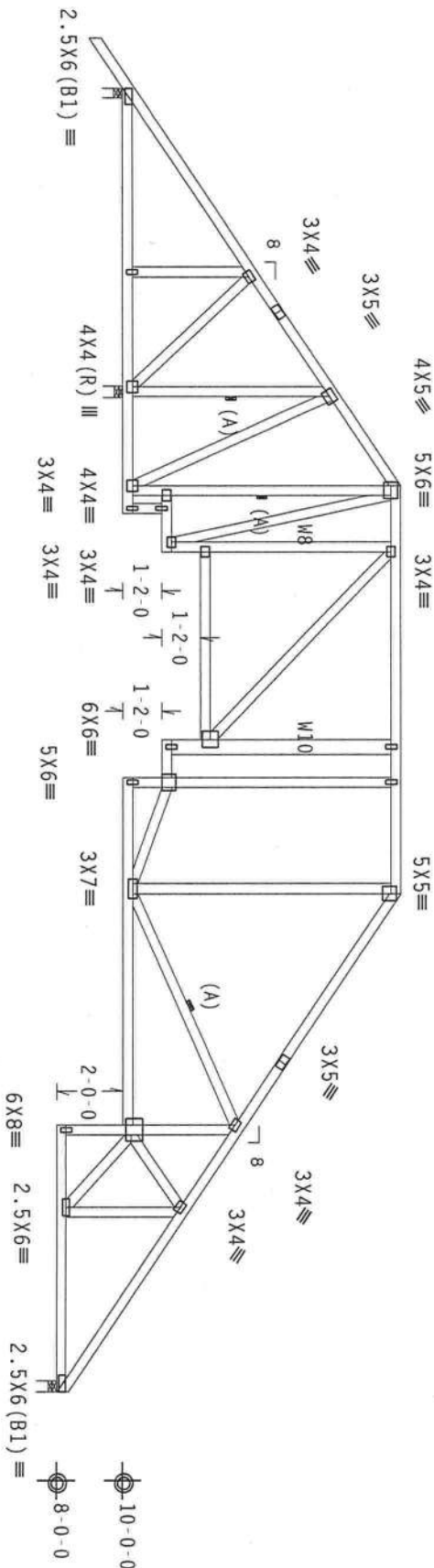
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W8 2x4 SP #2 Dense:
:W10 2x6 SP #1 Dense:

(A) Continuous lateral bracing equally spaced on member.

See DWGS TCFILLER103 and BCFILLER103 for filler details.
Laterally brace BC above filler @ 24" OC

110 mph wind, 13.37 ft mean hgt, ASCE 7-98, 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.
Calculated horizontal deflection is 0.15" due to live load and
0.15" due to dead load.

Deflection meets L/360 live and L/240 total load.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19.

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

Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 D'AMORIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 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.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ALPINE ENGINEERED PRODUCTS, INC.

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS AS SHOWN OR ANY OTHER FAILURE TO FOLLOW THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE INSTALLER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING ALL NECESSARY APPROVALS FROM THE LOCAL BUILDING DEPARTMENT. THE INSTALLER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS FROM THE LOCAL BUILDING DEPARTMENT. THE INSTALLER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS FROM THE LOCAL BUILDING DEPARTMENT.

ALPINE

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1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

Apr 30 '04

FL-/4/-/-/R/-	Scale = .1875"/ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT. LD.	40.0 PSF
DUR. FAC.	1.25
SPACING	24.0"
JREF - 1SC1487_207	

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

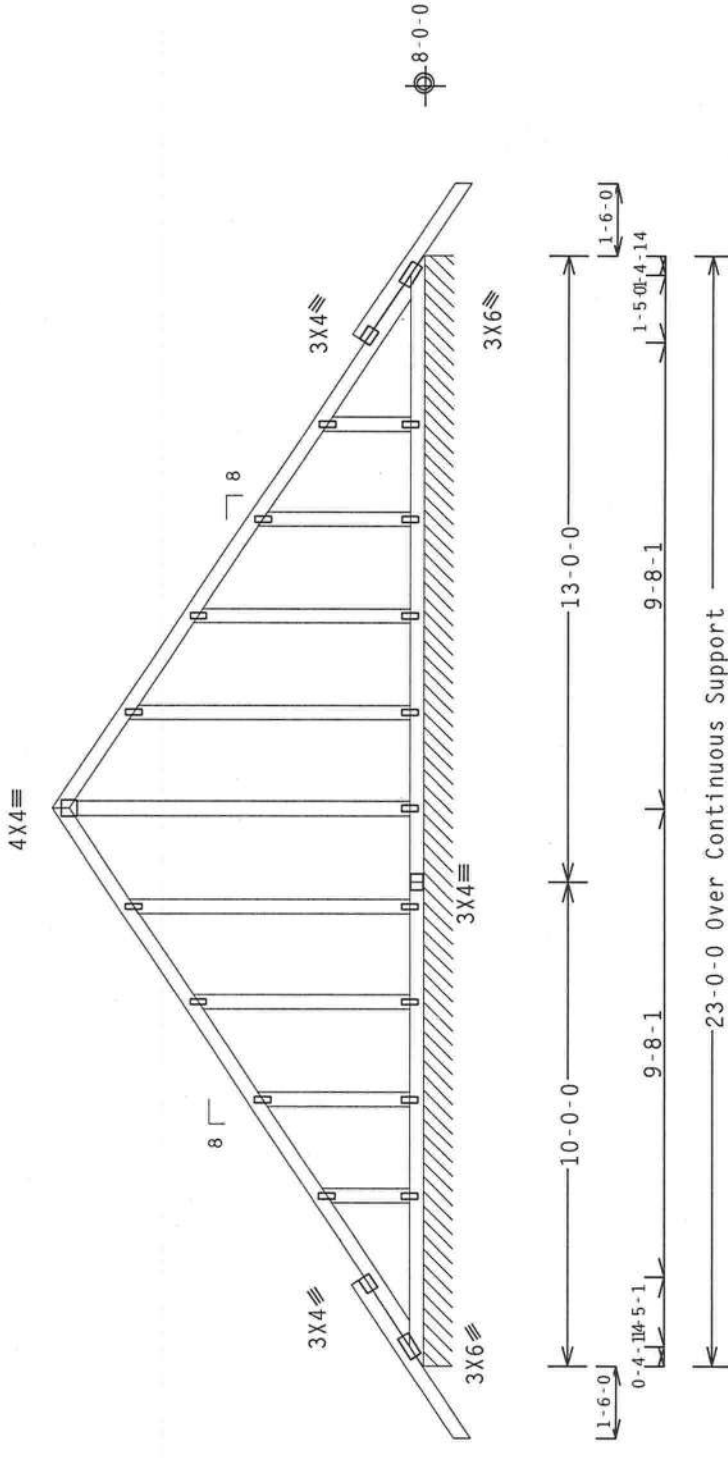
SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 82 PLF at -1.50 to 82 PLF at 24.50
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 23.00
BC - From 4 PLF at 23.00 to 4 PLF at 24.50

110 mph wind, 11.53 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf.

See DWGS A11015EC1103 & GBLLETIN1103 for more requirements.

Deflection meets L/360 live and L/240 total load.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19.8

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

Scale = .25"/Ft.

 Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 1503 D'UNTERDO DR., SUITE 200, MADISON, WI 53719, AND NCA (NATIONAL TRUSS COUNCIL OF AMERICA, 6500 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.		TC LL	20.0 PSF	REF	R487 - - 68505
	IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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 AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/160A (4-H/5X) ASTM A653 GRADE 40/60 (4, 5/16.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.		TC DL	10.0 PSF	DATE	04/30/04
			BC DL	10.0 PSF	DRW	HCUSR487 04121146
			BC LL	0.0 PSF	HC-ENG	GDL/AF
			TOT.LD.	40.0 PSF	SEQN	83486
			DUR.FAC.	1.25		
			SPACING	24.0"	JREF	1SCI487_Z07

APR 30 '04

NO. 0052212

STATE OF FLORIDA

PROFESSIONAL ENGINEER



Top chord	2x4	SP	#2	Dense
Bot chord	2x6	SP	#1	Dense
Webbs	2x4	SP	#3	

110 mph wind, 15.00 ft mean hgt., ASCE 7-98, 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

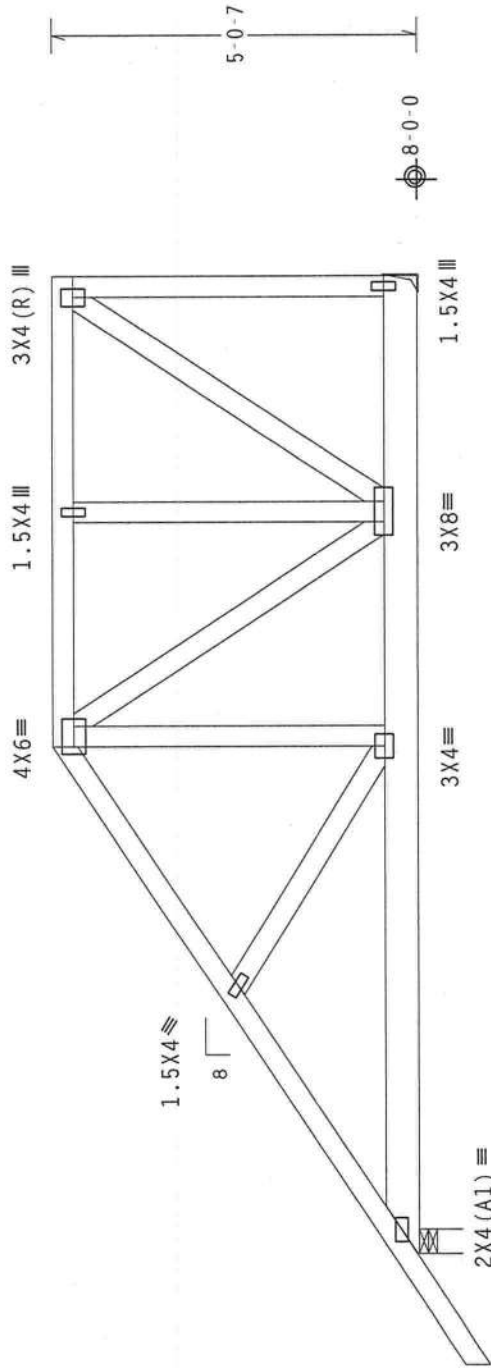
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)			
TC - From	60 PLF at -1.50 to	60 PLF at 13.50	
BC - From	4 PLF at -1.50 to	4 PLF at 0.00	
BC - From	20 PLF at 0.00 to	20 PLF at 13.50	
TC -	179 LB Conc. Load at 12.73		
BC -	901 LB Conc. Load at 10.73		
BC -	74 LB Conc. Load at 12.73		

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.



1-6-07

7-0-0	6-6-0
-------	-------

-13-6-0 Over 2 Supports

R=859 H=325 W=4"

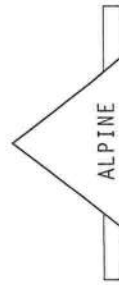
R=1471 U=567

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19

Scale = .375"/Ft.

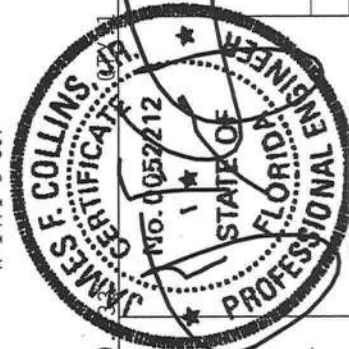


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Haines City, FL 33844

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• **WARNING:** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRACING. ALWAYS WEAR YOUR SAFETY GEAR. COMPANIES SPECIALIZING IN TRUSS FABRICATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 503 S. WASHINGTON ST., SUITE 200, MADISON, WI 53719, AND WEA (WOOD ENGINEERING ASSOCIATES), 6200 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.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TROUSSES. DESIGN CONFORMS WITH PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFAPA) AND TP-1. ALPINE CONNECTOR PLATES ARE MADE OF 2018/TIGER (ALUMINUM 6061-T6). ALL OTHERS ARE GALVALUME 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEN X3 OF TP-1-2002 SEC.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE PROJECT OWNER.



Apr 30 '04

19FF- 1SC1487 707

SPACING 24 0"

Apr 30 '04

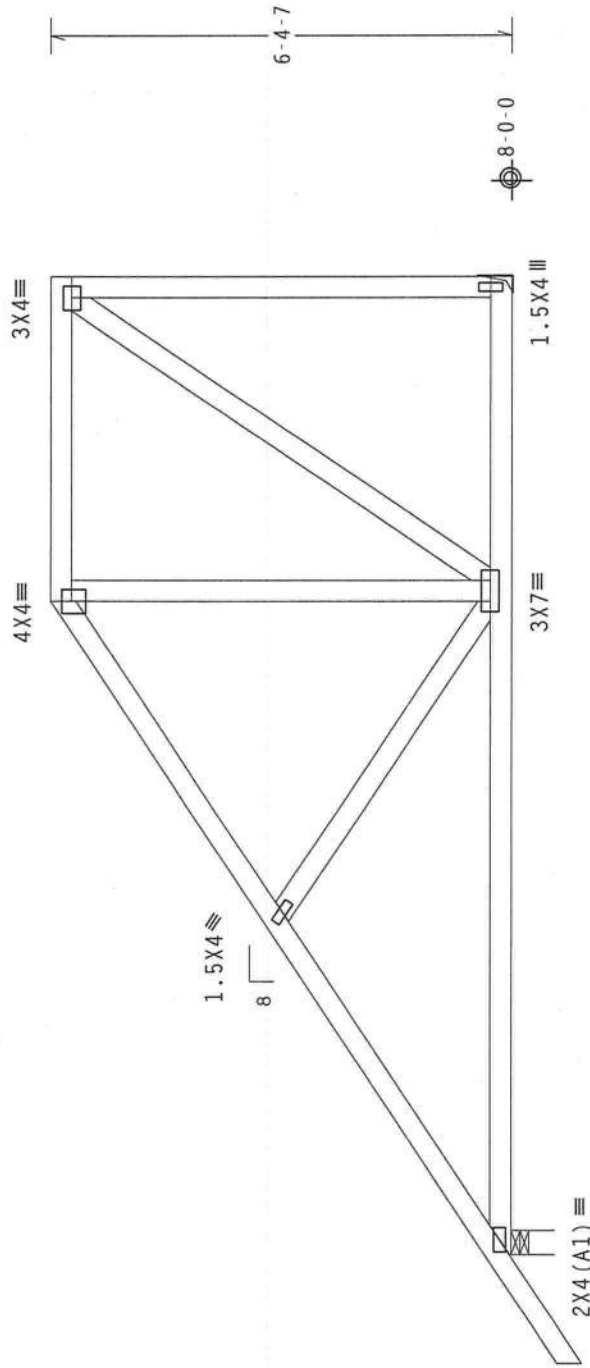
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 10.87 ft mean hgt, ASCE 7-98, 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.

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

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.



1-6-07

9-0-0

0-0

-13-6-0 Over 2 Supports

R=655 H=180 W=4"

R=521 11=191

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19

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

Scale = .375"/Ft.

[illegible]

REF R487-- 68508

DATE 04/30/04

DRW HCU5R487 04121149

HC-ENG GDL/AF

SEQN- 83522

JREF- 1SCI487_Z07

Apr 30 '04

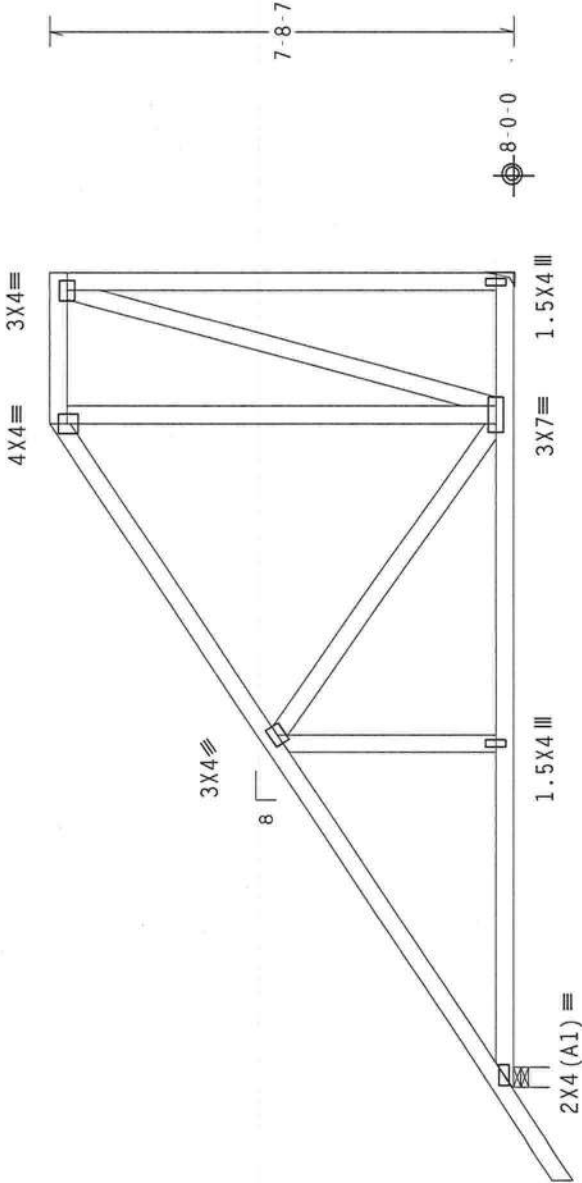
Haines City, FL 33844
FL Certificate of Authorization # 567

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

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

110 mph wind, 11.54 ft mean hgt, ASCE 7-98, 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.

Right end vertical not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load.



1'-6-0"
11'-0-0"
13'-6-0" Over 2 Supports
R=655 U=180 W=4"
R=521 U=223

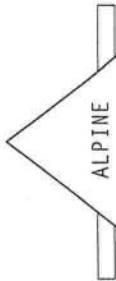
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19

Scale = .3125"/Ft.

REF	R487 --	68509
DATE	04/30/04	
DRW	HCUSR487	04121150
HC-ENG	GDL/AF	
SEQN	83525	
TOT.LD.	40.0 PSF	
DUR.FAC.	1.25	
SPACING	24.0"	



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



Apr 30 '04

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'UNFOUR DR., SUITE 200, MADISON, MI 48071) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE DR., MADISON, MI 48071) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL TRUSSES 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. ALPINE ENGINEERS PRODUCTS, 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 AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/P) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

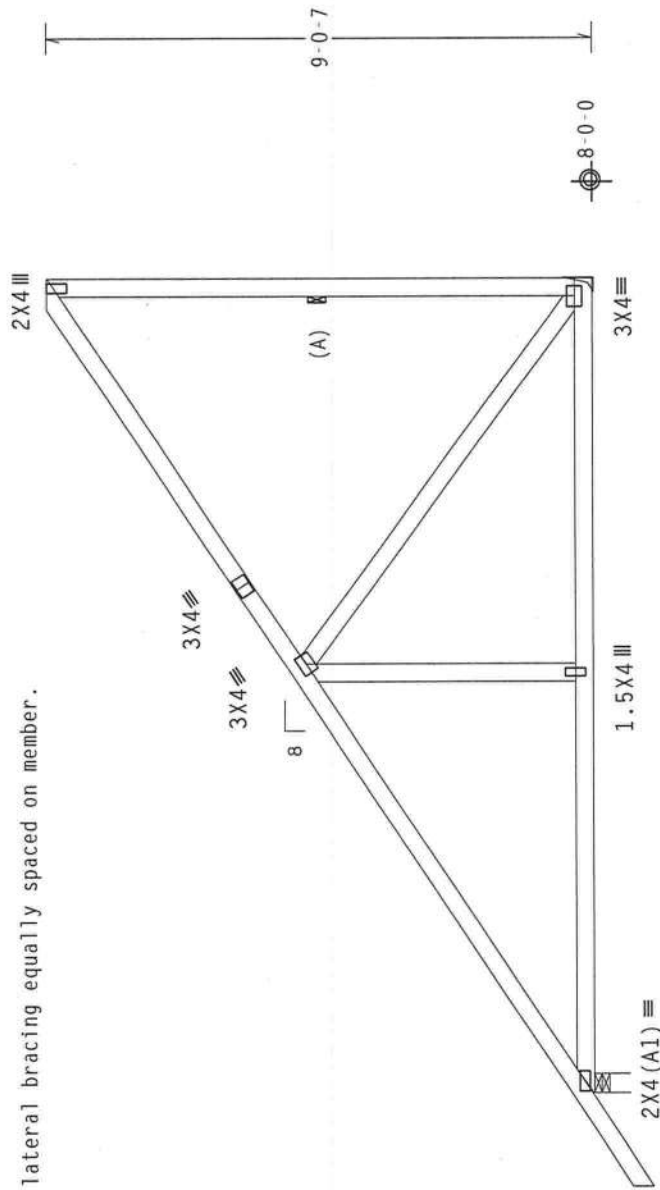
110 mph wind, 12.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

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

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

(A) Continuous lateral bracing equally spaced on member.



1-6-07

13-6-0 Over 2 Supports

R=655 U=180 W=4"

R=491 U=249

PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD)/FBC

19

Scale = .3125"/Ft.

REF R487-- 68510

DATE 04/30/04

DBW HCUSP487 04121151

ENCLOSURE

HC-ENG GUL/AF

SEQN- 83531

JREF- 1SCI487_Z07

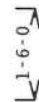
Apr 30 '04

Haines City, FL 33844
FL Certificate of Authorization # 567

110 mph wind, 12.37 ft mean hgt., ASCE 7-98, 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.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.



R=631 U=180 W=4"

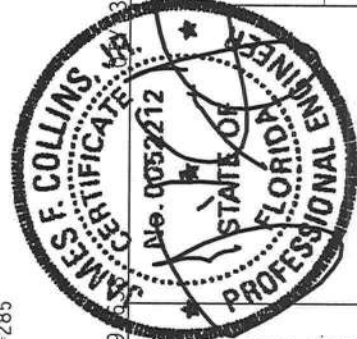
R=545 U=285

Design Crit: TPI-1995(STD)/FBC

1951

Scale = .3125"/Ft.

TC LL	20.0	PSF	REF R487 -- 68511
TC DL	10.0	PSF	DATE 04/30/04
BC DL	10.0	PSF	DRW HCUSR487 04121152
BC LL	0.0	PSF	HC+ENG GDL/AF
TOT.LD.	40.0	PSF	SEQN- 83538
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SCI487 Z07



Apr 30 '04

Haines City, FL 33844
FL Certificate of Authorization # 567

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

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

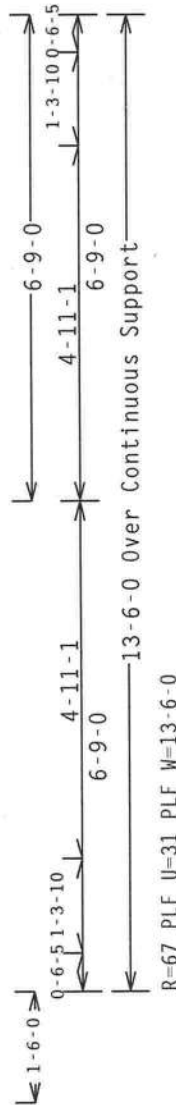
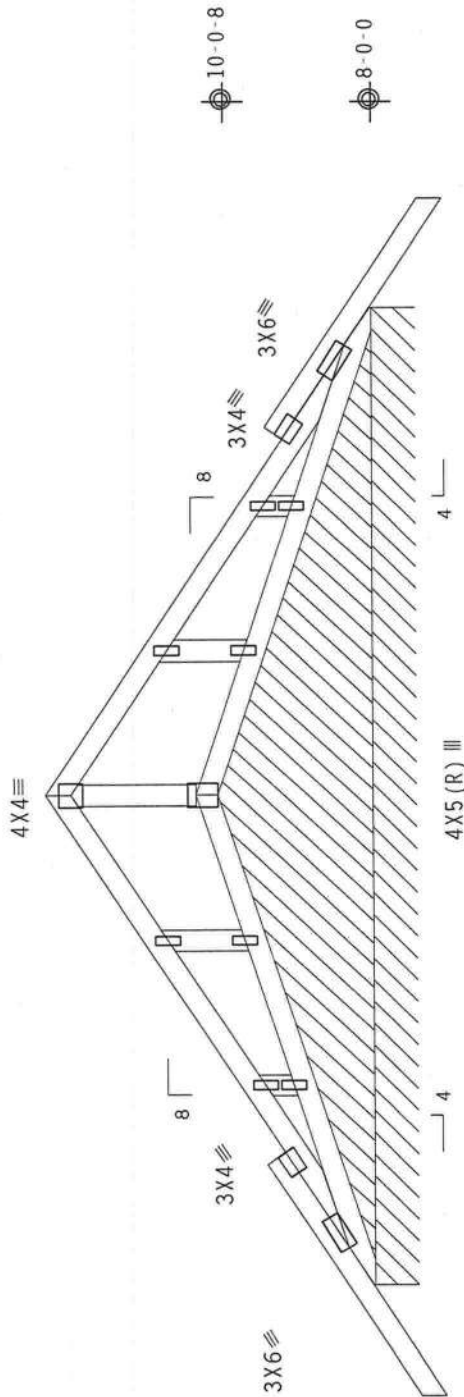
SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 82 PLF at -1.50 to 82 PLF at 15.00
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 13.50

110 mph wind, 9.95 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

See DWGS A11015EC1103 & GBLLETIN1103 for more requirements.

Deflection meets L/360 live and L/240 total load.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

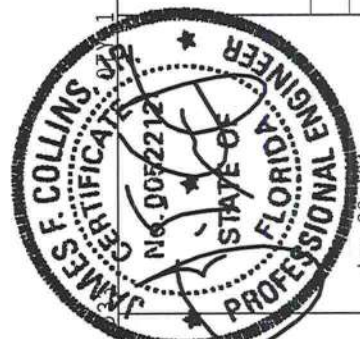
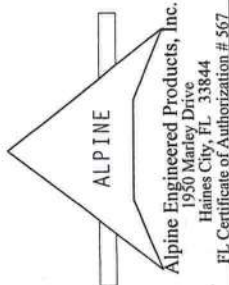
19

FL/-4/-/-R/-

Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 10 SOUTH DEERFIELD DR., SUITE 200, EMERYVILLE, OHIO 44041, FOR THE LATEST EDITIONS OF THE SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF STEEL TRUSSES. TOP CHORDS 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. PRODUCTS, 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 AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/5/5) ASTM A653 GRADE 40/60 (W. K/H/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE DESIGN COMPANY BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

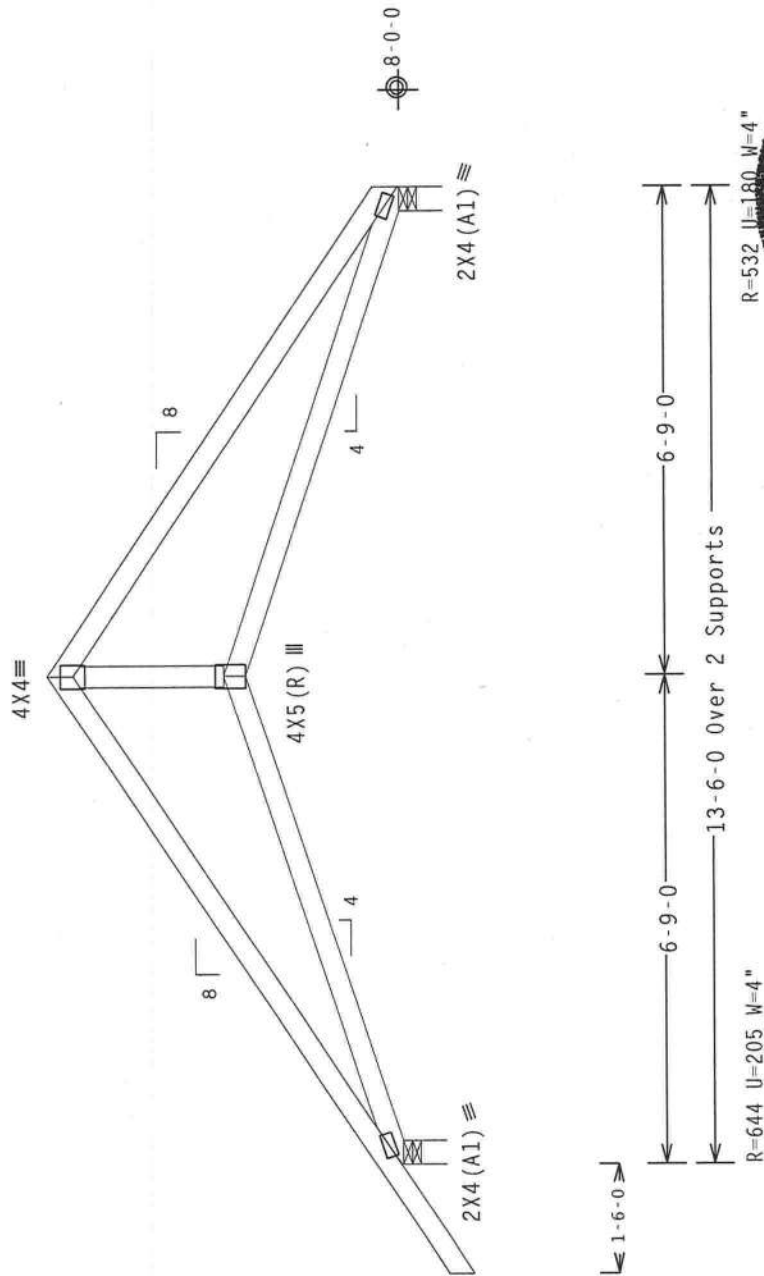


TC LL	20.0 PSF	REF	R487 -- 68512
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121153
BC LL	0.0 PSF	HC-ENG	GDL/AF
TOT.LD.	40.0 PSF	SEQN	83555
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SCI487_Z07

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

1110 mph wind, 10.12 ft mean hgt., ASCE 7-98, CLOSED bldg., Located anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19.4

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

Scale = .375" / Ft.

TC LL	20.0	PSF	REF R487--	68513
TC DL	10.0	PSF	DATE	04/30/04
BC DL	10.0	PSF	DRW	HCUSR487 04121154
BC LL	0.0	PSF	HC-ENG	GDL/AF
TOT.LD.	40.0	PSF	SEQN-	83558
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1SCI487_Z07

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 N. DUNFORD DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAIL OR DESIGN DECISIONS, ANY TAILORING OF TRUSSES, OR THE CONSTRUCTION OF TRUSSES. THE TRUSS SHALL BE DESIGNED TO MEET THE FOLLOWING REQUIREMENTS: ANY TAILORING OF TRUSSES, OR THE CONSTRUCTION OF TRUSSES, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE TRUSS SHALL BE DESIGNED TO MEET THE FOLLOWING REQUIREMENTS: ANY TAILORING OF TRUSSES, OR THE CONSTRUCTION OF TRUSSES, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE TRUSS SHALL BE DESIGNED TO MEET THE FOLLOWING REQUIREMENTS: ANY TAILORING OF TRUSSES, OR THE CONSTRUCTION OF TRUSSES, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

Apr 30 '04

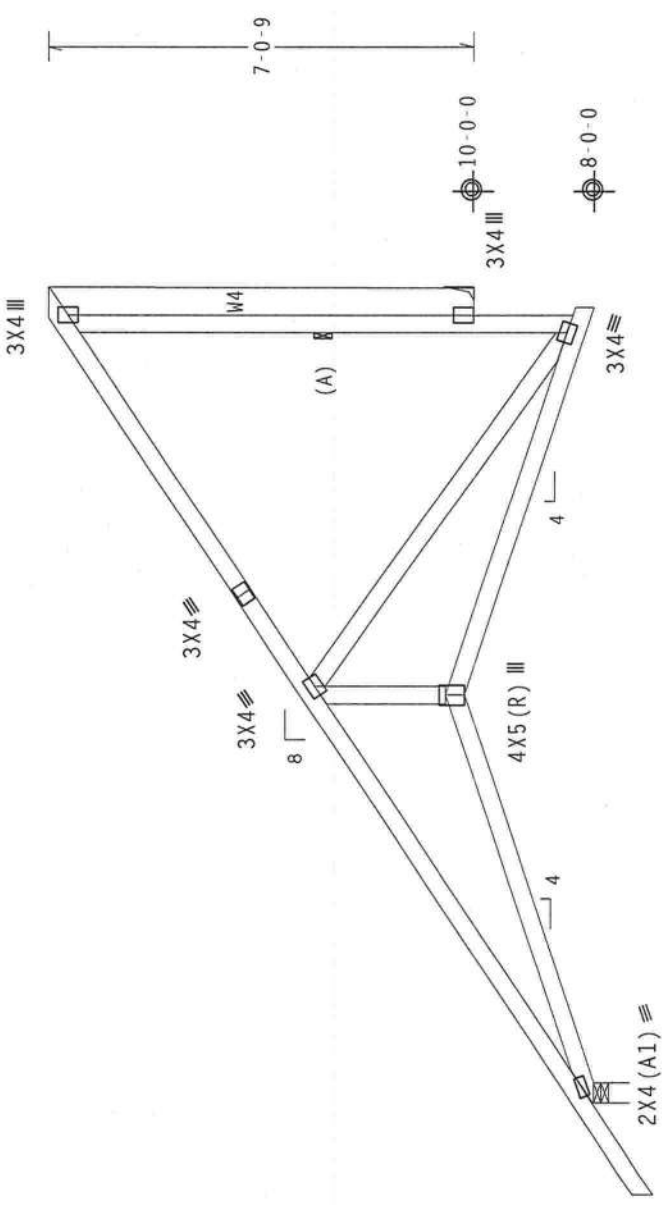
JREF- 1SCI487_Z07

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W4 2x6 SP #2:
110 mph wind, 12.20 ft mean hgt, ASCE 7-98, 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.

Deflection meets L/360 live and L/240 total load.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.



L1-6-0

6-9-0
6-9-0
13-6-0 Over 2 Supports
R-632 U=180 W=4
R-510 U=264

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19

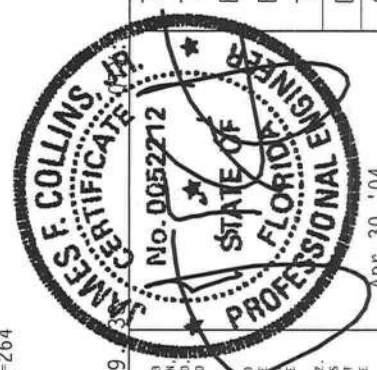
Scale = .3125"/Ft.

REF	R487 --	68514
DATE	04/30/04	
DRW	HCUSR487	04121155
HC-ENG	GDL/AF	
SEQN	83566	
TOT.LD.	40.0 PSF	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1SCI487_Z07	

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR MTCA PROVISIONS, OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, OR OTHERWISE VIOLATING ANY OF THE PROVISIONS OF THIS DESIGN, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONNECTOR PLATES ARE MADE OF 20/18/16GA (A3/JIS/S235) ASTM A653 GRADE 40/60 (A3/JIS/S235) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



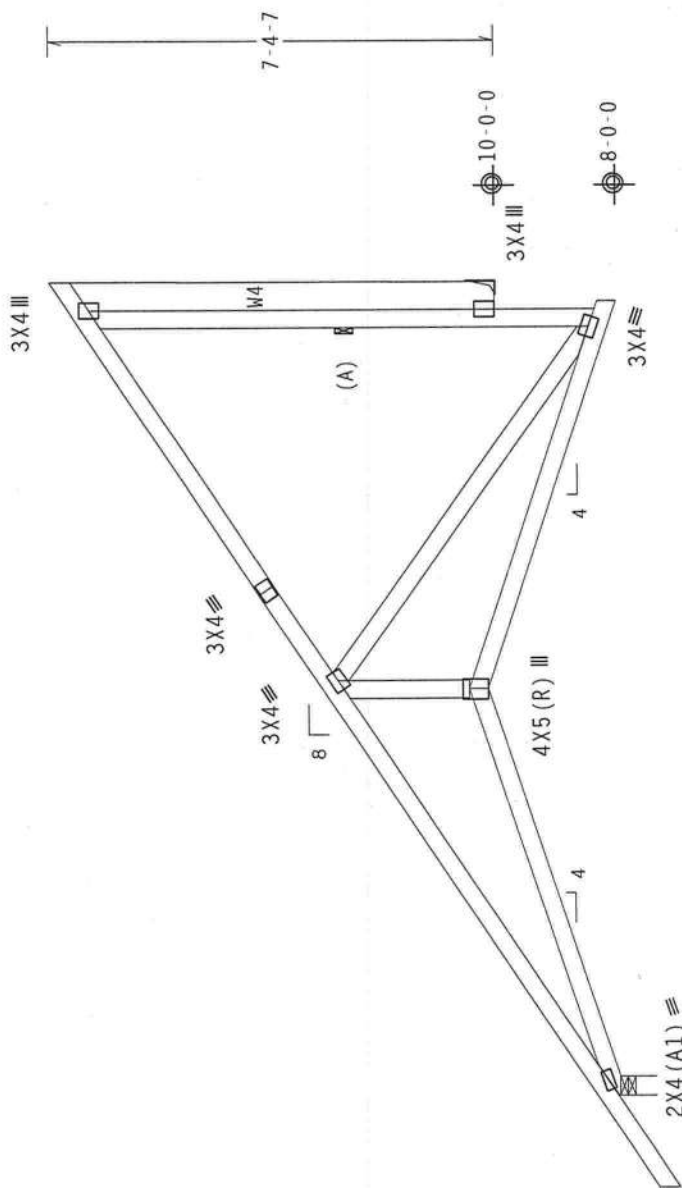
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W4 2x6 SP #2:

1110 mph wind, 12.37 ft mean hgt, ASCE 7-98, 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.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.



1-6-0

Diagram illustrating the layout of a beam over two supports. The total length is 13'-6" (13-6-0). The beam is divided into three equal segments of 6'-9" (6-9-0) each by two supports. The dimensions are given in feet and inches.

Below the diagram, the values are listed: $R=631$, $U=180$, and $W=4"$.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19

Scale = .3125"/Ft.

OFF B487-- 68515

DATE 04/30/04

04/30/04

04121156

HC-ENG GDL/AF

6EQN- 83573

11

PDFE- 1SC1A87 707

Apr 30 '04

PDF- 1SC1A87 707

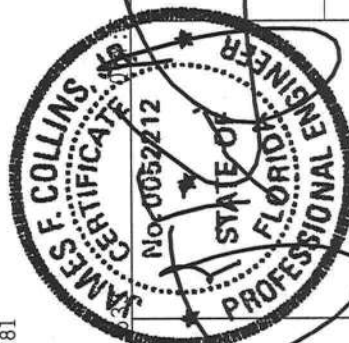


Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT INFORMATION), PUBLISHED BY THE TRUSS MANUFACTURERS ASSOCIATION, 10 DONOFIO DR., SUITE 200, MADISON, WI 53719, FOR ADDITIONAL INFORMATION. PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, WILL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED BRACING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING TRUSS COMPANY ASSUMES NO RESPONSIBILITY FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN CONFORMANCE WITH TPI WILL BE AT THE USER'S RISK. THIS TRUSS IS DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE NATIONAL DESIGN SPEC., (BY AIA) AND THE STEEL CONNECTION PLATES ARE MADE OF 2018/16GA. ALL DIMENSIONS LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16DA-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TP11-2009 SEC-2.3. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN.



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

1110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

#1 hip supports 5-0-0 jacks with no webs.

Deflection meets L/360 live and L/240 total load.

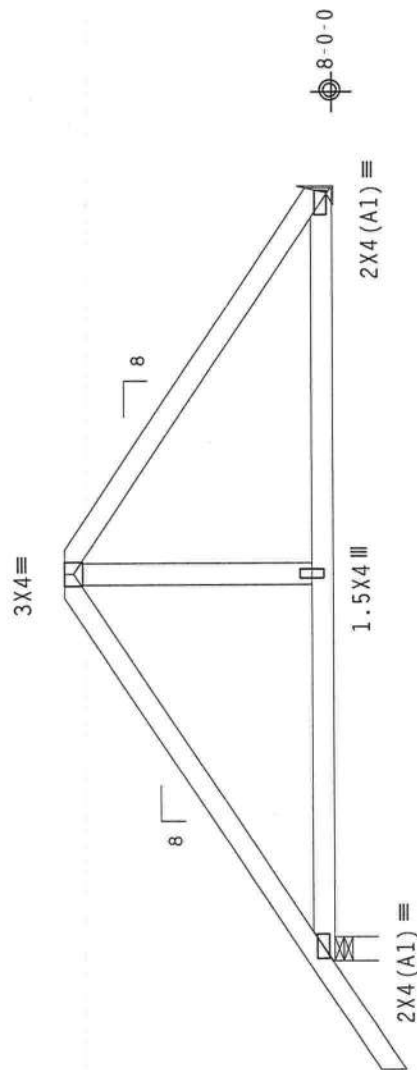


Diagram showing the elevation of a bridge deck with dimensions and support locations:

- Overall width: 16'-0"
- Left side width: 5'-4"
- Right side width: 5'-4"
- Span length: 10'-8" Over 2 Supports
- Span length: 7'-4" (R=740 U=275)
- Span length: 6'-19" (U=206)

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19

Scale = .375" / Ft.

REF R487-- 68516

DATE 04/30/04

04121157

HC-FNG GDI / AF

83493

004500 11070

00000 1001107 707

REF- 156148/ _20/

Apr 30 '04

Haines City, FL 33844
FL Certificate of Authorization # 567

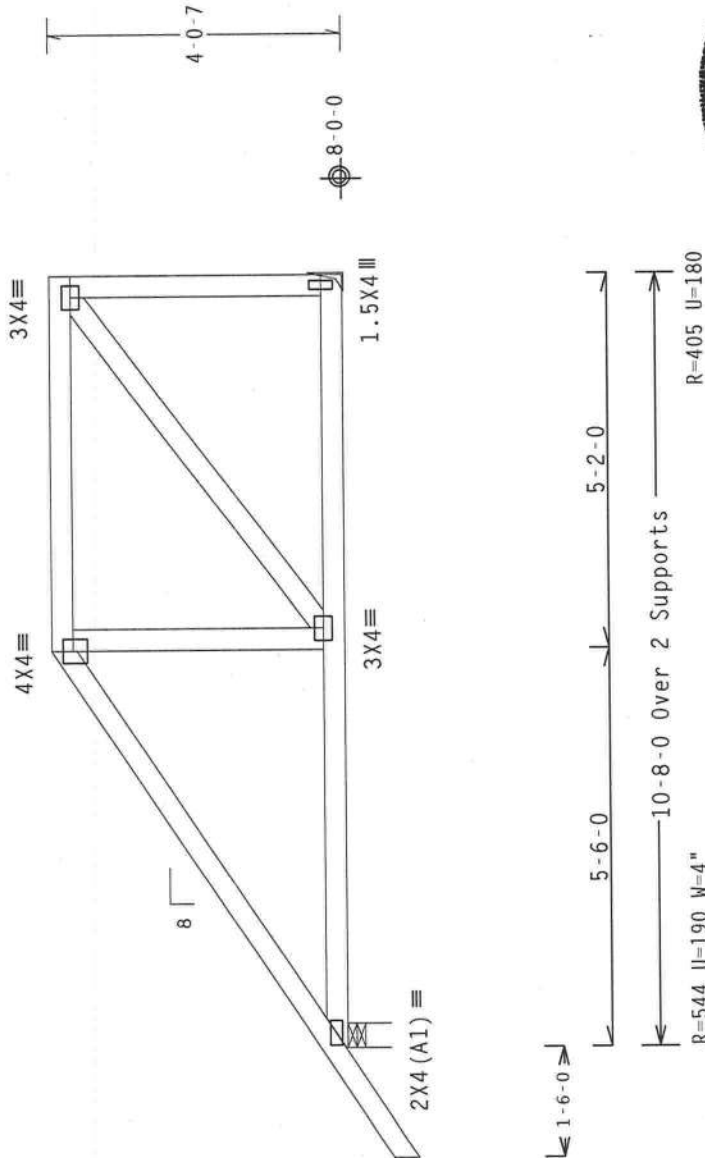
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 9.70 ft mean hgt, ASCE 7-98, 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.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19

Scale = .375" / Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

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****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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 NDS), GALT, STEEL. APPLY PLATES TO EACH FACE OF TRUSS MEMBERS. TRUSSES SHALL BE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



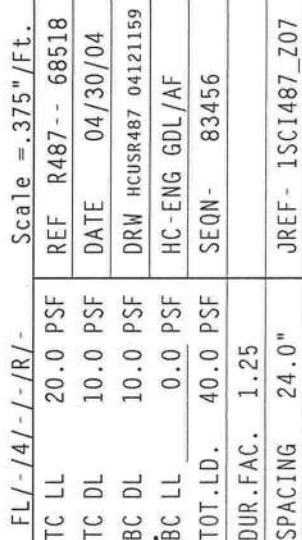
Apr 30 '04

TC LL	20.0 PSF	FL / - / 4 / - / - / R / -	REF	R487 - -	68517
TC DL	10.0 PSF		DATE	04/30/04	
BC DL	10.0 PSF		DRW	HCUSR487	04121158
BC LL	0.0 PSF		HC-ENG	GDL/AF	*
TOT. LD.	40.0 PSF		SEQN	83496	
DUR. FAC.	1.25				
SPACING	24.0"		JREF	1SCI487_Z07	

1110 mph wind, 13.70 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

See DWGS A11015EC1103 & GBLLETIN1103 for more requirements.

Deflection meets L/360 live and L/240 total load.



Professional Engineer Seal for the State of Florida, No. 0052212, dated Apr 30 '04.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ALPINE ENGINEERING PRODUCTS, 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, JOISTS OR CONNECTIONS WILL BE THE SOLE RESPONSIBILITY OF THE USER. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE SPECIFIED.

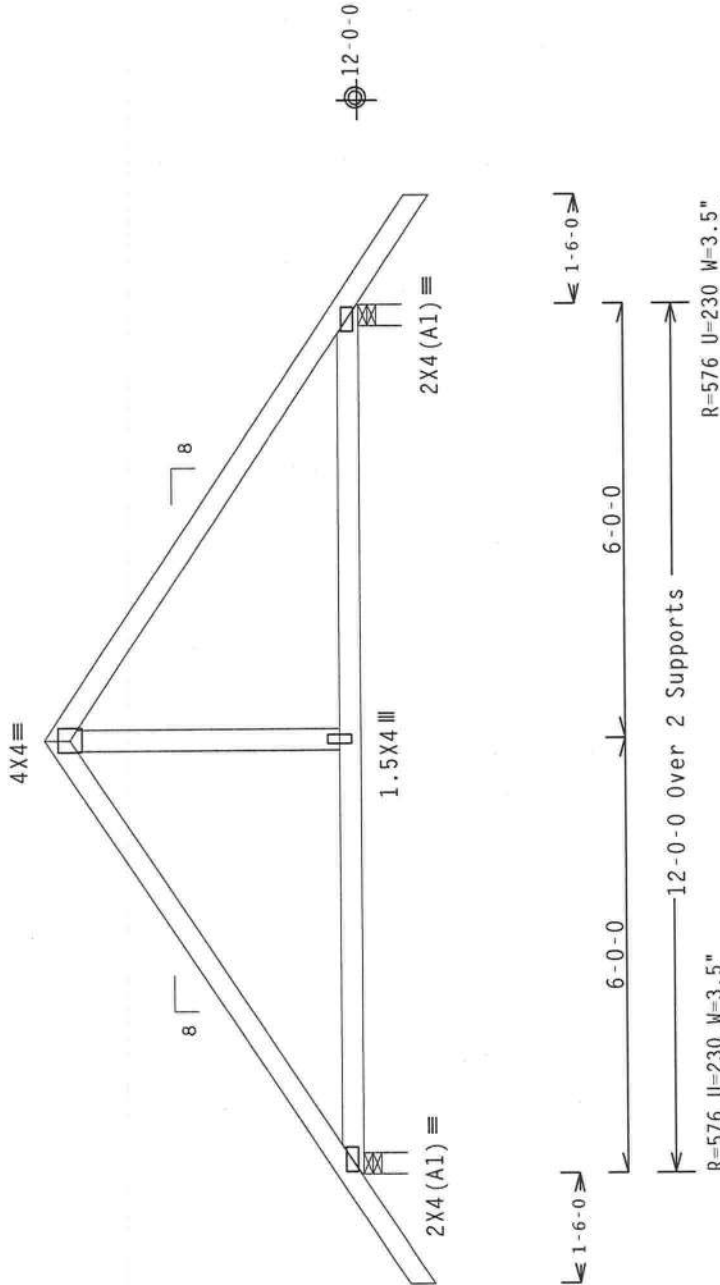
CONNECTION PLATES ARE MADE OF 20/18/16GA (W/2X) ASTM A955 GALV. 40/60 (F/V/S) GALV. STEEL APPLIED TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS SECTION, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC. 2. A SEAL ON THE BOTTOM SURFACE OF THE PLATE INDICATES ACCEPTANCE OF THE WORKMANSHIP OF THE TRUSS MANUFACTURER. THE DESIGNING DESIGNER PER ANNEX (TP1) 1 SEC. 2 OF THIS COMPEND FOR ANY BUILDING IS THE RESPONSIBILITY OF THE USER.

FL Certificate of Authorization # 567

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19

FL/-/4/-/R/-

Scale = .375"/Ft.

REF	R487 --	68519
DATE	04/30/04	
DRW	HCUSR487	04121160
HC-ENG	GDL/AF	*
SEQN	83459	
TOT.LD.	40.0	PSF
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1SCI487_Z07	

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONDRIE DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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 AISI (NATIONAL DESIGN ADVISORY COMMITTEE, 1400 KILBURN DR., SUITE 100, GAITHERSBURG, MD 20878) OR AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MICHIGAN, CHICAGO, IL 60610) OR AIAA (AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS, 1801 ALEXANDER BELMONT DR., ALEXANDRIA, VA 22304). APPLY PLATES TO ALL JOINTS AND ENDS OF TRUSSES UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 100A-2. DRAWING INDICATES ACCEPTANCE OF 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.



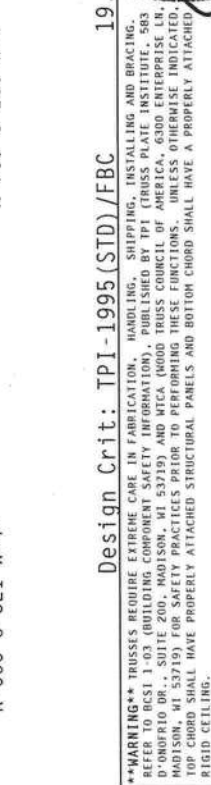
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

Apr 30 '04

110 mph wind, 14.51 ft mean hgt, ASCE 7-98, 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.

Deflection meets L/360 live and L/240 total load.



Design Crit: TPI-1995(STD)/FBC

FL / - / 4 / - / - / R / - Scale = .3125" / Ft.

TC LL	20.0 PSF	REF R487 - - 68520
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUR487 04121161
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83465
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

Apr 30 '04

JREF- 1SCI487 Z07

ALPINE

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

SPECIAL LOADS

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

TC - From	102 PLF at -1.50 to	102 PLF at 6.00

TC - From	174 PLF at 6.00 to	174 PLF at 6.01
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TC - From	132 PLF at 6.01 to	132 PLF at 21.83
132 PLF at 6.01 to	132 PLF at 21.83	132 PLF at 21.83

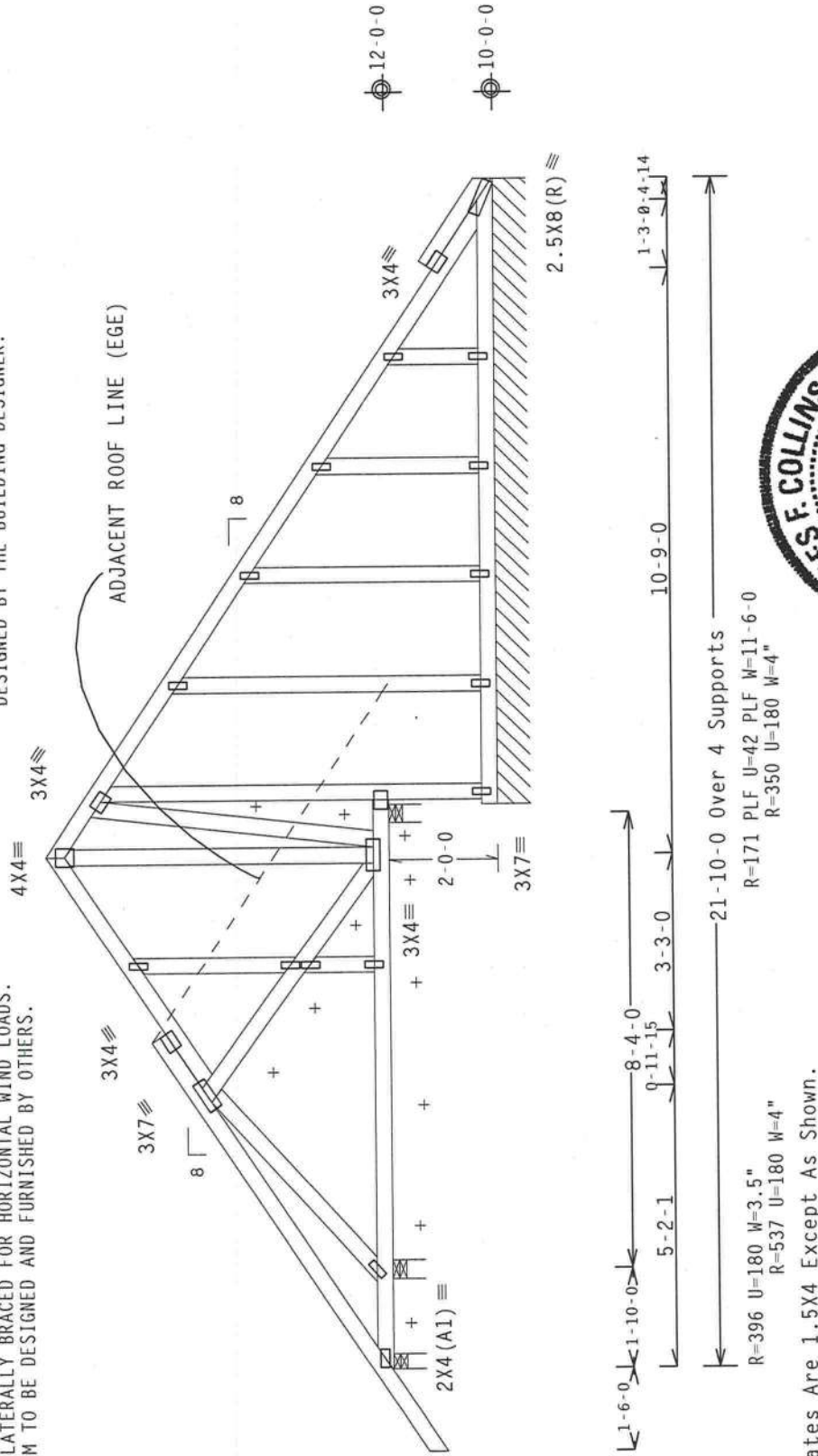
BC - From	4 PLF at -1.50 to	4 PLF at 0.00
BC - From	4 PLF at -1.50 to	4 PLF at 0.00

BC - From 20 PLF at 0.00 to 20 PLF at 21.83

+ MEMBER TO BE Laterally Braced For Horizontal Wind Loads.
Bracing System To Be Designed And Furnished By Others.

See DWGS A11015EN1103 & GBLLETIN1103 for more requirements.

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



Note: All Plates Are 1.5X4 Except As Shown.

PIT TYP. Wave TPI

Design Crit: TPI-1995 (STD) / FBC

19

Scale = .3125"/Ft.

REF R487-- 68521

DATE 04/30/04

000W HCUCSP497 04121177

CMC 1000

NO	END	DATE/IN	DE
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92	100	1000	1000

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Journal of Management Education 36(7) 809-824
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REF - 1301481_201

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2 COMPLETE TRUSSES REQUIRED

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

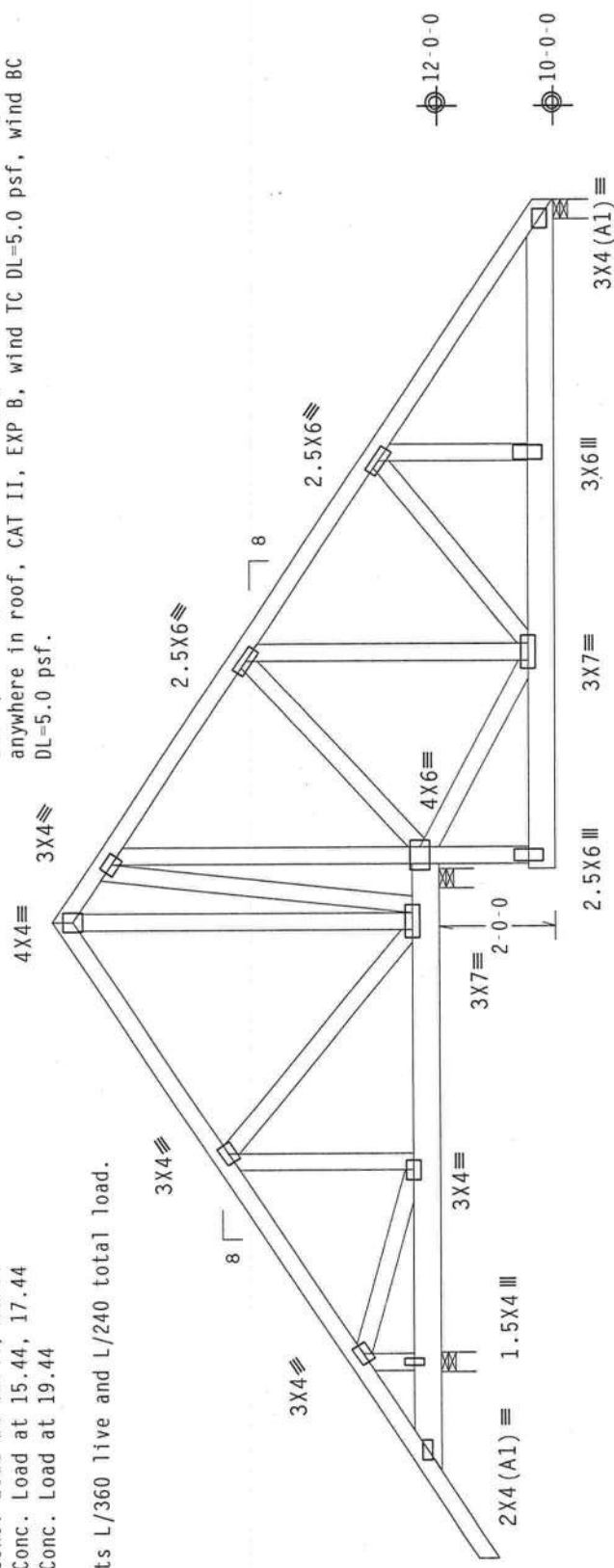
SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -1.50 to 60 PLF at 21.83
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 21.83
BC - 908 LB Conc. Load at 11.44, 13.44
BC - 1077 LB Conc. Load at 15.44, 17.44
BC - 1117 LB Conc. Load at 19.44

Deflection meets L/360 live and L/240 total load.

NAILING SCHEDULE: (10d common nails)
TOP CHORD: 1 ROW @ 12" O.C.
BOT CHORD: 1 ROW @ 7" O.C.
WEBS : 1 ROW @ 4" O.C.
USE EQUAL SPACING BETWEEN ROWS AND STAGGER NAILS
IN EACH ROW TO AVOID SPLITTING.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf.



1-6-0 8-6-0 12-5-0
R=200 U=180 W=4"
R=4100 U=785 W=4"
R=2630 U=471 W=4"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19

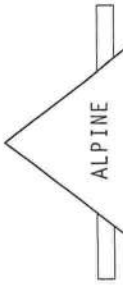
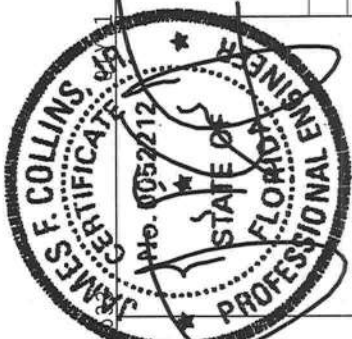
FL/-/4/-/R/-

Scale = .3125"/Ft.

REF	R487--	68522
DATE	04/30/04	
DRW	HCUSR487	04121162
HC-ENG	GDL/AF	
SEQN	83618	
DUR.FAC.	1.25	
SPACING	24.0"	

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OF TRUSSES IN CONFORMANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. APPLY CONNECTOR PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

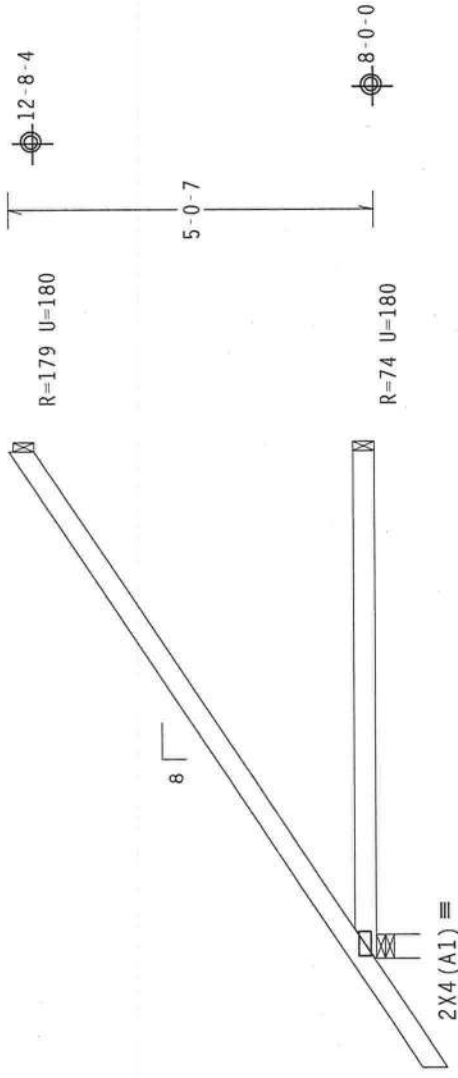
Apr 30 '04

JREF - 1SCI487_207

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 10.20 ft mean hgt, ASCE 7-98, 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.



L ≤ 1'-6"-0 ≥

7'-0"-0
7'-0"-0 Over 3 Supports
R=403 U=180 W=4"



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Haines City, FL 33844

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487--	68523
TC DL	10.0 PSF	DATE	04/30/04	
BC DL	10.0 PSF	DRW	HCUSR487	04121163
BC LL	0.0 PSF	HC-ENG	GDL/AF	
TOT.LD.	40.0 PSF	SEQN	-	83499
DUR.FAC.	1.25			
SPACING	24.0"	JREF	-	1SCI487_Z07

19.6

12-8-4

5-0-7

8-0-0

8

2X4 (A1)

2X4 (A1)

R=179 U=180

R=74 U=180

7'-0"-0

7'-0"-0 Over 3 Supports

R=403 U=180 W=4"

L ≤ 1'-6"-0 ≥

110 mph wind, 10.20 ft mean hgt, ASCE 7-98, 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.

Deflection meets L/360 live and L/240 total load.

Top chord 2x4 SP #2 Dense

Bot chord 2x4 SP #2 Dense

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

James F. Collins
Professional Engineer
State of Florida
No. 0052212
Apr 30 '04

110 mph wind, 10.20 ft mean hgt, ASCE 7-98, 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.

Deflection meets L/360 live and L/240 total load.

Top chord 2x4 SP #2 Dense

Bot chord 2x4 SP #2 Dense

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

James F. Collins
Professional Engineer
State of Florida
No. 0052212
Apr 30 '04

110 mph wind, 10.20 ft mean hgt, ASCE 7-98, 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.

Deflection meets L/360 live and L/240 total load.

Top chord 2x4 SP #2 Dense

Bot chord 2x4 SP #2 Dense

ALPINE

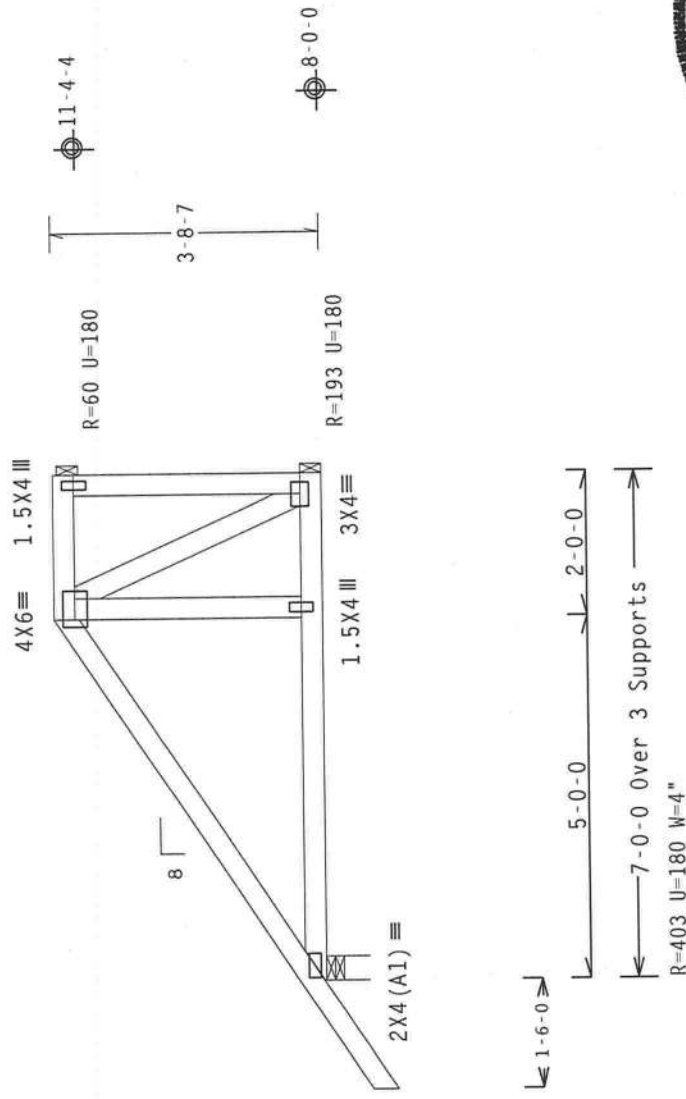
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

James F. Collins
Professional Engineer
State of Florida
No. 0052212
Apr 30 '04

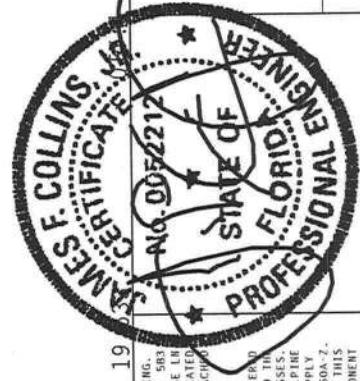
110 mph wind, 9.54 ft mean hgt, ASCE 7-98, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



Scale = .375"/Ft.

TC LL	20.0	PSF	REF	R487 --	68524
TC DL	10.0	PSF	DATE	04/30/04	
BC DL	10.0	PSF	DRW	HCUSR487	04121164
BC LL	0.0	PSF	HC-ENG	GDL/AF	
TOT.LD.	40.0	PSF	SEQN-	83456	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SCI487_Z07	



Apr 30 '04

JREF- 1SCI487_Z07

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-003 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 560 O'NEILL RD., SUITE 200, MADISON, WI 53719) 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. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY OF THE FOLLOWING DESIGNER'S ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH THE FOLLOWING INFORMATION: HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE PROVISIONS OF MOST NATIONAL DESIGN SPEC., BY AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA. (W/H/S/P) ASTM A563 GRADE 40/50 (W, K/H/S) GALV. STEEL. ALL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF TPI-2002 SEC.3., A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI

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

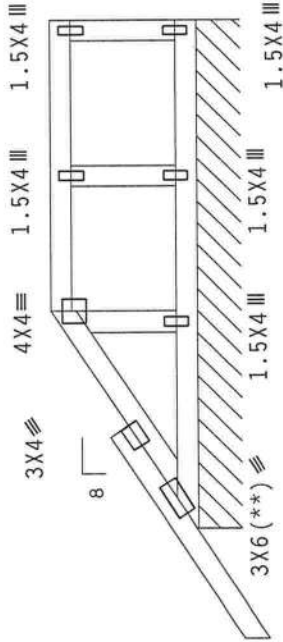
SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 82 PLF at -1.50 to 82 PLF at 7.00
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00

110 mph wind, 8.70 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.



1-6-0
0-4-1-0-1
1-7-1-1
4-0-0
7-0-0 Over Continuous Support
R=120 PLF U=41 PLF W=7-0-0

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

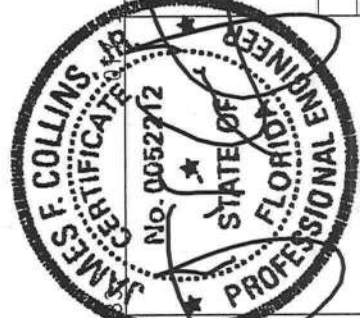
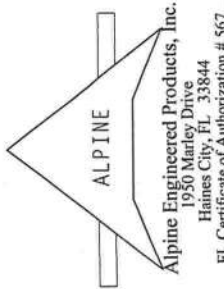
19.8

FL/-/4/-/R/-

Scale = .375" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'CONNOR DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO FOLLOW THESE TRUSSES IN CONFORMANCE WITH TPI-1995(STD) OR TPI-1995(STD) SHALL BE THE RESPONSIBILITY OF THE INSTALLER. DESIGN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TPI-1995(STD) DESIGN SPEC. BY ACPA) AND TPI. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



REF	R487--	68525
DATE	04/30/04	
DRW	HCUSR487	04121165
HC-ENG	GDL/AF	
SEQN	83450	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1SCI487_Z07	

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

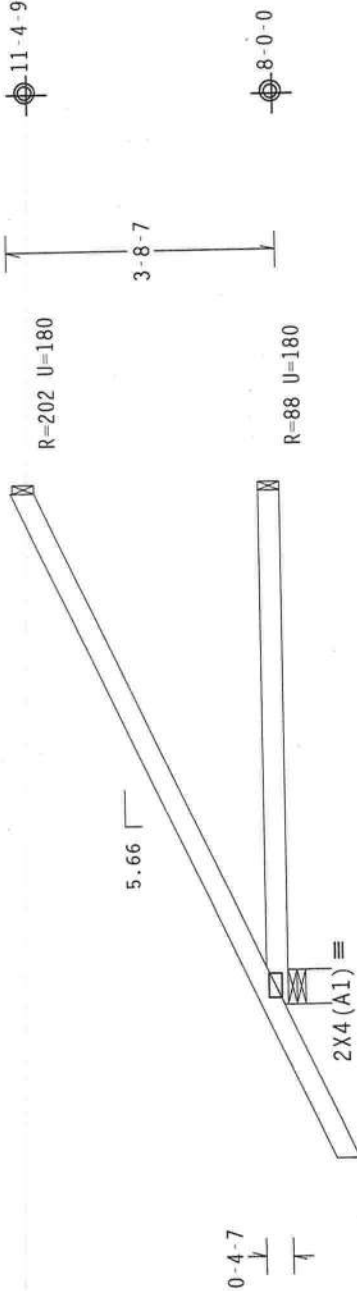
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf.

Hipjack supports 5-0-0 setback jacks with no webs.

Deflection meets L/360 live and L/240 total load.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -2.12 to 60 PLF at 7.07
BC - From 4 PLF at -2.12 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.07
TC - 216 LB Conc. Load at 1.54
TC - 97 LB Conc. Load at 4.37
BC - 19 LB Conc. Load at 1.54
BC - 44 LB Conc. Load at 4.37



7-0-14 Over 3 Supports
R=322 U=180 W=5.657"

PLT TYP. Wave TPI

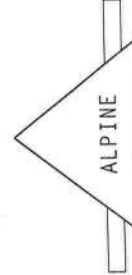
Design Crit: TPI-1995(STD)/FBC

19

FL/-4/-/-R/-

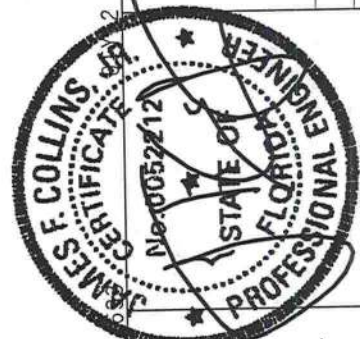
Scale = .375"/Ft.

TC LL	20.0 PSF	REF R487--	68527
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121167
BC LL	0.0 PSF	HC-ENG	GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83450
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487_Z07



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

Professional Engineer



Apr 30 '04

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 5850 DUNN DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, SUITE 100, WILSONVILLE, OR 97150) SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

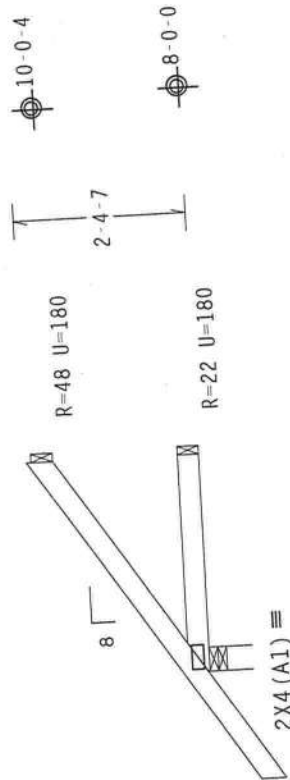
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 5850 DUNN DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, SUITE 100, WILSONVILLE, OR 97150) SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

110 mph wind, 8.87 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

15-MATTHEW ERKINGER/KELLY LAKE LOT 2 - CJ33)

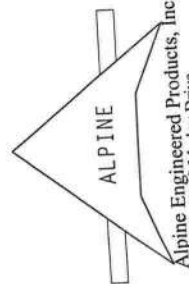
3 chord 2x4 SP #2 Dense
t chord 2x4 SP #2 Dense



3-0-0 Over 3 Supports
R-266 U=180 W=4"

Design Crit: TPI-1995(STD)/FBC

PLT TYP. Wave TPI



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI T-03 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTION) 6500 ENTERPRISE LN, MADISON, WI 53719 AND MICA (MATERIALS INSTITUTE FOR CONSTRUCTION) 10000 WILSON AVENUE, WILSON, NJ 07094 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. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THIS DESIGN OR ANY DEVIATION FROM THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE CONTRACTOR.

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THIS DESIGN OR ANY DEVIATION FROM THIS DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE CONTRACTOR.

DESIGN INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE CONTRACTOR.



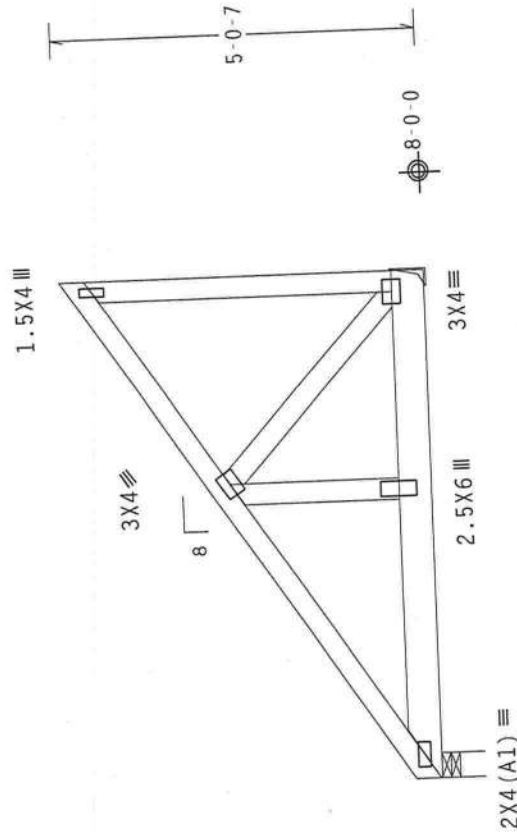
FL / - / 4 / - / - / R / -	Scale = .375" / Ft.
TC LL 20.0 PSF	REF R487 - 68528
TC DL 10.0 PSF	DATE 04/30/04
BC DL 10.0 PSF	DRW HCUSR487 04121168
BC LL 0.0 PSF	HC-ENG GDL/AF
TOT.LD. 40.0 PSF	SEQN- 83440
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1SCI487_Z07

Apr 30 '04

Top chord 2x4 SP #2 Dense
 Bottom chord 2x6 SP #1 Dense
 Webs 2x4 SP #3

10 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC L=5.0 psf, wind BC DL=5.0 psf.

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



7'-0-0 Over 2 Supports
 R=753 U=266 W=4"
 R=901 U=318

SPECIAL LOADS
 ----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
 TC - From 60 PLF at 0.00 to 60 PLF at 7.00
 BC - From 20 PLF at 0.00 to 20 PLF at 7.00
 TC - 48 LB Conc. Load at 1.59
 BC - 22 LB Conc. Load at 1.59
 BC - 619 LB Conc. Load at 3.56
 BC - 405 LB Conc. Load at 5.56

Right end vertical not exposed to wind pressure.
 Deflection meets L/360 live and L/240 total load.

Design Crit: TPI-1995(STD)/FBC

Scale = .375"/Ft.

FL/-/4/-/R/-

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TC LL	20.0 PSF	REF	R487 - -	68529
TC DL	10.0 PSF	DATE	04/30/04	
BC DL	10.0 PSF	DRW	HCUR487 04121169	
BC LL	0.0 PSF	HC-ENG	GDL / AF	
TOT.LD.	40.0 PSF	SEQN	-	83507
DUR.FAC.	1.25			
SPACING	24.0"	JREF	-	1SCI487_Z07



Apr 30 '04

ALPINE
 Alpine Engineered Products, Inc.
 1950 Marley Drive
 Gaines City, FL 33844

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

Scale = .375"/Ft.

FL/-/4/-/R/-

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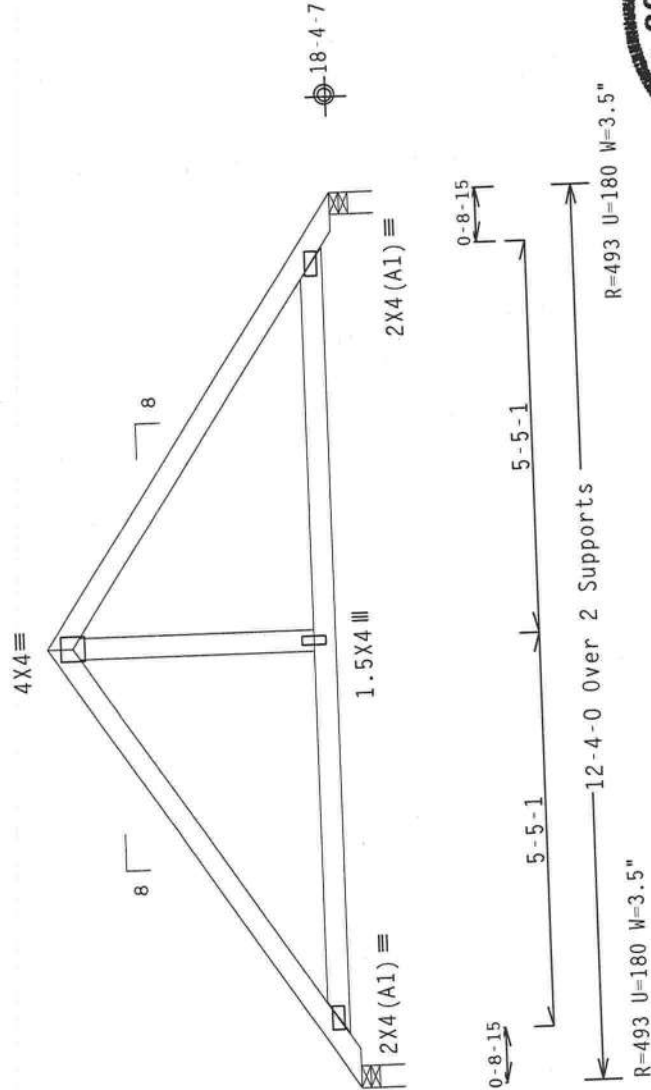
19.8

op chord 2x4 SP #2 Dense
ot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

eflection meets L/360 live and L/240 total load.

refer to DWG PIGBACK80204 for piggyback details.

110 mph wind, 20.43 ft mean hgt, ASCE 7-98, 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.



Scale = .375" / Ft.	REF R487 -- 68531
DATE 04/30/04	DRW HCUSR487 04121171
HC-ENG GDL / AF	SEQN - 83637
DUR.FAC. 1.25	JREF - 1SCI487_Z07
SPACING 24.0"	

Design Crit: TPI-1995(STD)/FBC

PLT TYP. Wave TPI

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, 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.

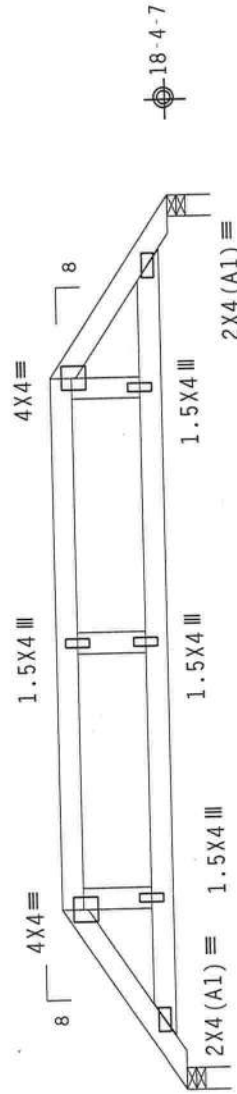
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS TO THE APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ACAP) AND TPI. STEEL, CONNECTOR PLATES ARE MADE OF 2010/16GA (W/S/S) ASTM A653 GRADE 50 GALV. STEEL. APPLY PLATING TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AND RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

Deflection meets L/360 live and L/240 total load.

Refer to DWG PIGBACK0204 for piggyback details.

110 mph wind, 19.20 ft mean hgt, ASCE 7-98, 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.



0-8-15
1-9-1-1
7-4-0
1-9-1-1
R-493 U=180 W=3.5"
12-4-0 Over 2 Supports
R-493 U=180 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19

Scale = .375" / Ft.

TC LL	20.0 PSF	REF	R487--	68532
TC DL	10.0 PSF	DATE	04/30/04	
BC DL	10.0 PSF	DRW	HCUSR487	04121172
BC LL	0.0 PSF	HC-ENG	GDL/AF	
TOT.LD.	40.0 PSF	SEQN-	83642	
DUR.FAC.	1.25	JREF-	1SCI487_Z07	
SPACING	24.0"			



Apr 30 '04

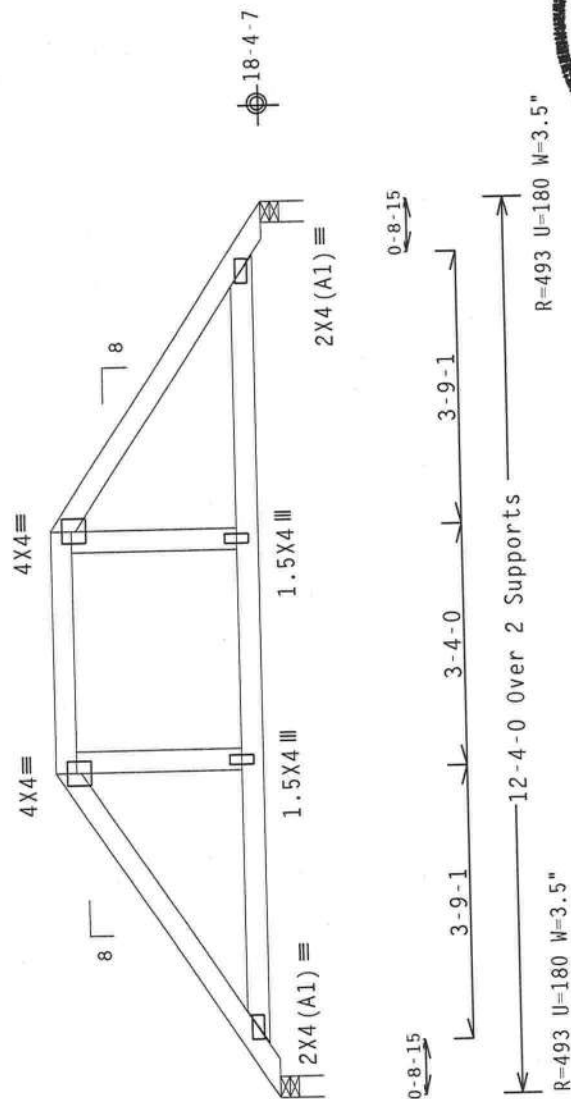
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING CONSTRUCTION SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 5800 DUNDAS DR., SOUTHERN CROSSING, MI 48075) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL TRUSSES 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. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HUD (NATIONAL DESIGN STANDARD 40760, 4A, K/H/S) GALT. STEEL. APPLY CONNECTOR PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED, THE POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY THE INSTALLATION CONTRACTOR SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate of Authorization # 567

Refer to DWG PIGBACKB0204 for piggyback details.

110 mph wind, 19.87 ft mean hgt, ASCE 7-98, 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.



FL/-/4/-/-R/-		Scale = .375" / Ft.
TC LL	20.0 PSF	REF R487 - - 68533
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121173
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN - 83461
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1SCI487_Z07

Design Crit: TPI-1995(STD)/FBC

*****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 T-101E (1990), OUTLIVING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6500 ENTERPRISE DRIVE, DUNFORD DR., #100, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE DRIVE, 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 TOP CHORD SILLING.

*****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH THE APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AIAA) AND TPI. CONNECTIONS SHALL BE MADE OF 2018/16GA. 04/H/25/PT. ASTM A652 GRADE 40/60 (4, 6/16-5) GALV. STEEL. PLATES TO LEAD TO THE USE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA 43 OF TPI-2002 SEC.3. ANY INSPECTION OF TRUSSES SHALL INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DRAINING DOWN THE SUSL/TPI 1 SEC. 2. THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER. DESIGNER PER AREA 43/TPI 1 SEC. 2.

DIT TYP Wave TPI

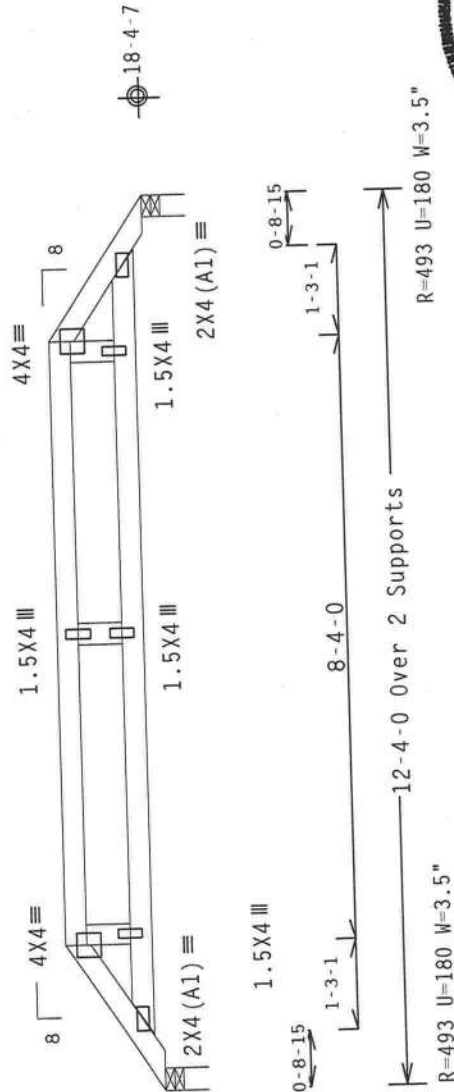
ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
St. Louis, Mo. 63114

Haines City, FL 33844
FL Certificate of Authorization #567

Collection months 1/360 live and L/240 total load.

refer to DWG PIGBACKB0204 for piggyback details.



PLT TYP. Wave TPI



ALPINE

Alpine Engineering Products, Inc.

Scale = .375" / Ft.

REF R487 -- 68534

DATE 04/30/04

DRW HCUSR487 04121174

HC-ENG GDL/AF

SEQN- 83466

JREF- 1SCI487_Z07

Design Crit: TPI-1995(STD)/FBC

19.0

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 0'00RD10 DR., SUITE 200, MADISON, WI 53719) AND THE AMERICAN TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO AND FOLLOWING 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. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR INVESTIGATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; PROVIDE FOR HANDLING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES; DESIGN CONFORMS WITH APPLICABLE RATIONALE (AS PER NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE TO THE TPI 191/166A (4-1/2"X 6") ASTM A653 GRADE 40/60 (H, K/H-S) GALV. STEEL. APPL. 2. PLATES TO EACH FACE OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS ON THIS. ANY INSPECTION OF THE TRUSSES SHALL BE FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. ANY INSPECTION INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DRAWING INDICATES.

FL/-/4/-/-/R/-	20.0 PSF	20.0 PSF	20.0 PSF	20.0 PSF	20.0 PSF
TC LL	10.0 PSF	10.0 PSF	10.0 PSF	10.0 PSF	10.0 PSF
TC DL	10.0 PSF	10.0 PSF	10.0 PSF	10.0 PSF	10.0 PSF
BC DL	10.0 PSF	10.0 PSF	10.0 PSF	10.0 PSF	10.0 PSF
BC LL	0.0 PSF	0.0 PSF	0.0 PSF	0.0 PSF	0.0 PSF
TOT.LD.	40.0 PSF	40.0 PSF	40.0 PSF	40.0 PSF	40.0 PSF
DUR.FAC.	1.25	1.25	1.25	1.25	1.25
SPACING	24.0"	24.0"	24.0"	24.0"	24.0"

APR 30 2004

Professional Engineer

STATE OF FLORIDA

James H. Smith

No. 0052212

Professional Engineer

STATE OF FLORIDA

James H. Smith

No. 0052212

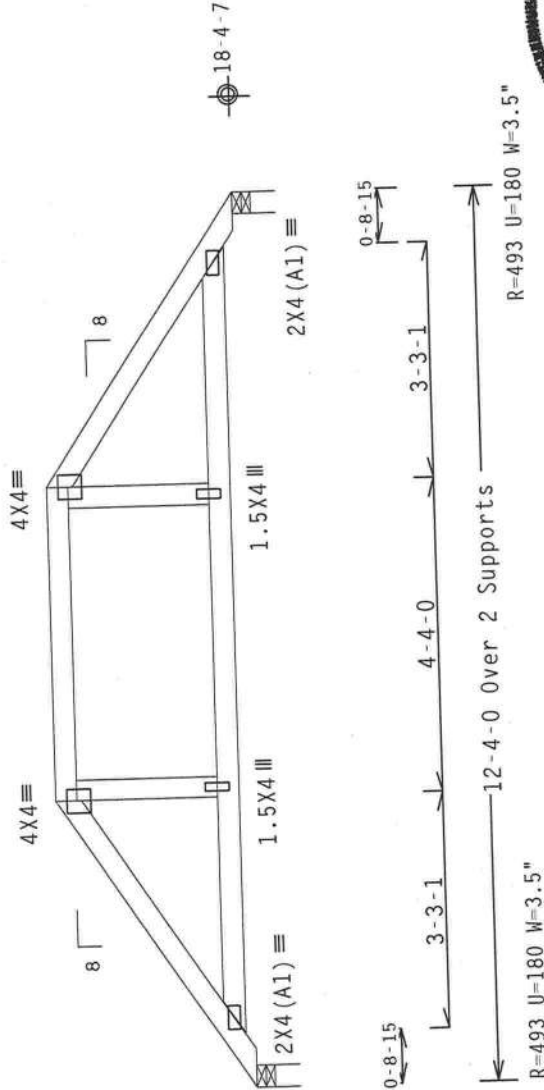
Apr 30 04

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

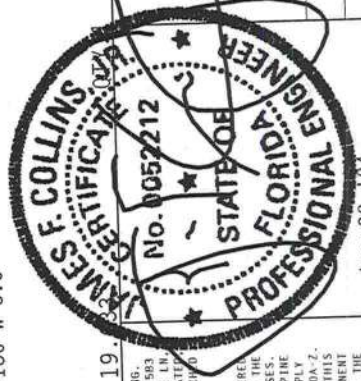
Deflection meets L/360 live and L/240 total load.

Refer to DWG PIGBACKB0204 for piggyback details.

110 mph wind, 19.70 ft mean hgt, ASCE 7-98, 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.

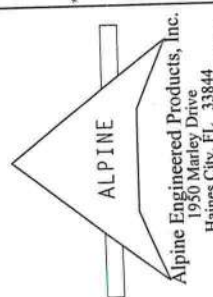


PLT TYP. Wave TPI		Design Crit: TPI-1995(STD)/FBC		Scale = .375" / Ft.	
19.		FL / - / 4 / - / - / R / -		REF	R487 -- 68535
19.		TC LL		TC LL	20.0 PSF
19.		TC DL		TC DL	10.0 PSF
19.		BC DL		BC DL	10.0 PSF
19.		BC LL		BC LL	0.0 PSF
19.		TOT.LD.		TOT.LD.	40.0 PSF
19.		DUR.FAC.		DUR.FAC.	1.25
19.		SPACING		SPACING	24.0"
19.		JREF		JREF	1SCI487_Z07



WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES TO BE FOLLOWED 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. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD TRUSSES IN CONFORMANCE WITH THE SPECIFICATIONS OF THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. TRUSSES IN CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASCE) SHALL BE APPLIED TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN 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 ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

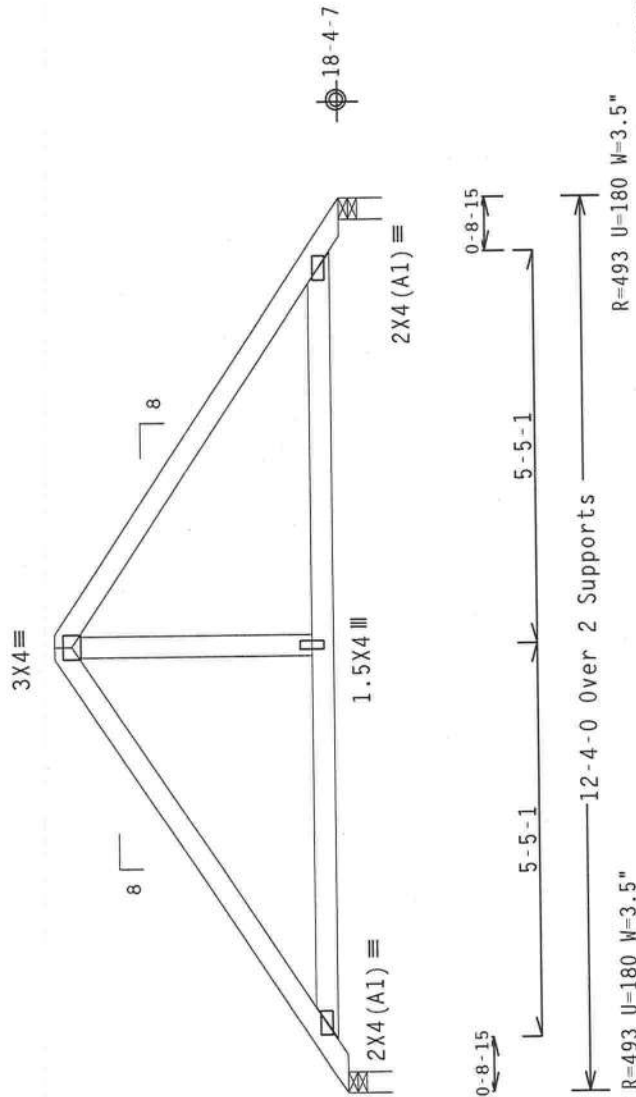


110 mph wind, 20.37 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Deflection meets L/360 live and L/240 total load.

Refer to DWG PIGBACKB0204 for piggyback details.



PLT TYP. Wave TPI		Design Crit: TPI-1995(STD)/FBC		Scale = .375" / Ft.		
ALPINE Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844		19.6		FL / - / 4 / - / - / R / -		
		WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENTS AND INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 593 D'ORFORD DR., SUITE 200, WINTER HAVEN, FL 33719), AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53711) FOR THE LATEST SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.		TC LL 20.0 PSF		REF R487 - - 68536
				TC DL 10.0 PSF		DATE 04/30/04
				BC DL 10.0 PSF		DRW HCUSR487 04121176
				BC LL 0.0 PSF		HC-ENG GDL/AF
				TOT.LD. 40.0 PSF		SEQN - 83476
				DUR.FAC. 1.25		
				SPACING 24.0"		JREF - 1SCI487_Z07



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE, INSTALLED IN THE TRUSS), FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. TRUSSES CONFORM WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI-1995 (STD) / FBC. 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. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

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

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

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



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO ECST 1-103 BUILDING CODES, TRUSS MANUFACTURING, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 2000 SUITE 200, MADISON, WI 53719, AND WTCA (WOOD TRUSS COUNCIL) TRUSS MANUFACTURING, 2000 SUITE 200, 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 COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATOR'S SPECIFICATIONS, INCLUDING & BRACING OF TRUSSES, DESIGN CONFORMS TO THE PROVISIONS OF NDS (NATIONAL DESIGN SPEC) BY ASEPAN AND CALV STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED IN THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE 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.



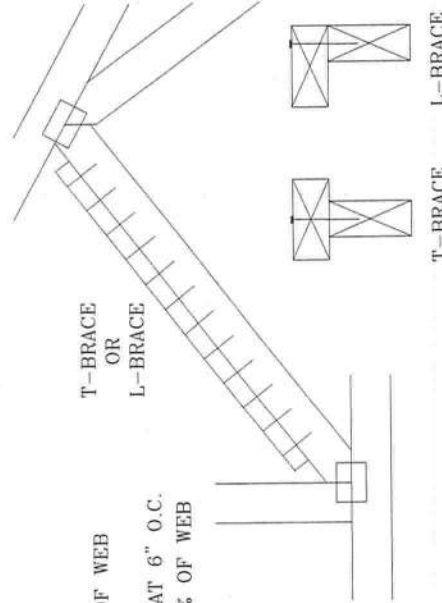
THIS DRAWING REPLACES DRAWING 579.640

TC	LL	PSF	REF	CLB SUBST.
TC	DL	PSF	DATE	11/26/03
BC	DL	PSF	DRWG	BRLBSUB1103
BC	LL	PSF	-ENG	MLH/KAR
TOT.	LD.	PSF		
DUR.	FAC.			
SPACING				

T-BRACING
OR
L-BRACING:

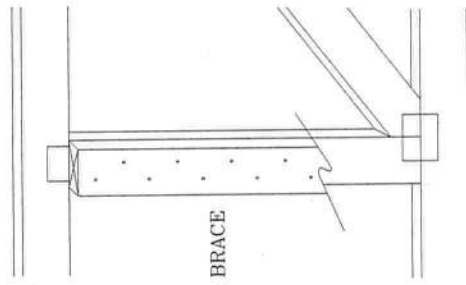
APPLY TO EITHER SIDE OF WEB
NARROW FACE

ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB
MEMBER LENGTH



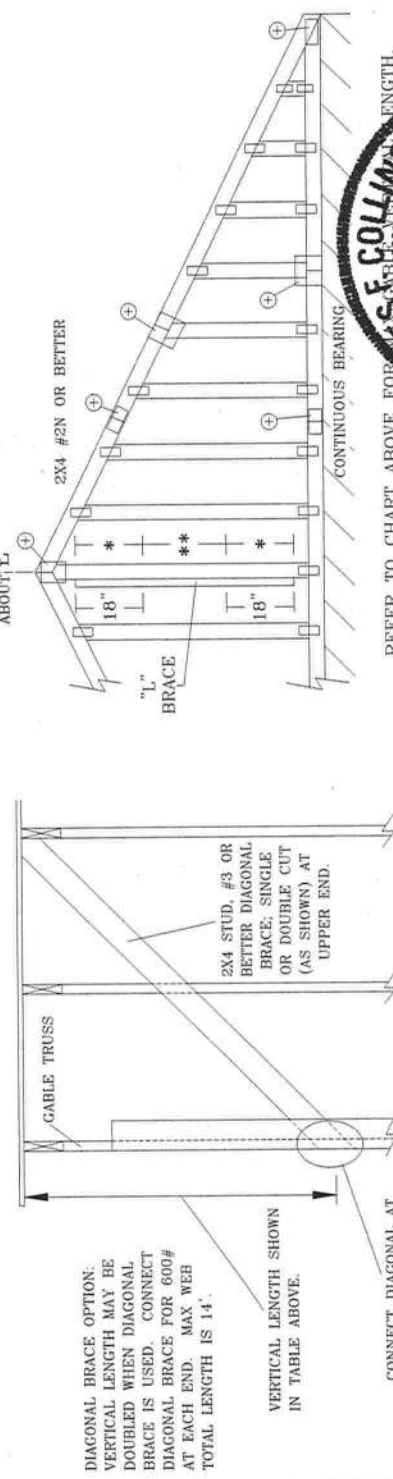
SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d OR .128"x3" GUN
NAILS AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



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

SYMM ABOUT



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

VERTICAL LENGTH SHOWN
IN TABLE ABOVE.

CONNECT DIAGONAL AT
MIDPOINT OF VERTICAL WEB.

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING CODES) AND THE 2001 INTERNATIONAL BUILDING CODE (IBC) FOR TRUSS DESIGN SPECIFICATIONS. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES.

IMPORTANT** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR ANY OTHER CODE REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES.



REFER TO CHART ABOVE FOR MEMBER LENGTH.

BRACING GROUP SPECIES AND GRADES:			
GROUP A:			
SPRUCE-PINE-FIR	HEM-FIR		
#1 / #2	STUD	#3	STANDARD
DOUGLAS FIR-LARCH	HEM-FIR		
#3	STUD	#3	STANDARD
DOUGLAS FIR-LARCH	HEM-FIR		
#3	STUD	#3	STANDARD

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

ATTACH EACH "L" BRACE WITH 10d NAILS.

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

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

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

GABLE VERTICAL PLATE SIZES			
VERTICAL LENGTH	NO SPLICE		
LESS THAN 4' 0"	IX4 OR 2X3		
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4		
GREATER THAN 11' 6"	2.5X4		
+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.			

REF	ASCE7-98-GABI015
DATE	11/26/03
DRWG	A11015EC1103
	-ENG

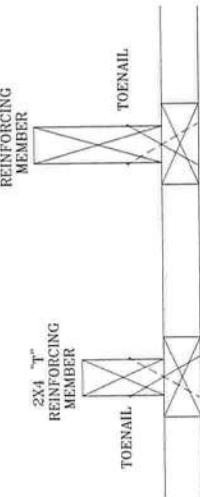
MAX. TOT. LD.	60 PSF
MAX. SPACING	24.0"

GABLE DETAIL FOR LET-IN VERTICALS

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

+ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.
 * IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE:



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

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

WEB LENGTH INCREASE W/ "T" BRACE

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

EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT

GABLE VERTICAL = 24" O.C. SP #3

"T" REINFORCING MEMBER SIZE = 2X4

"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10

(1) 2X4 "L" BRACE LENGTH = 6' 7"

MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH

1.10 x 6' 7" = 7' 3"

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

PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH HAND DRIVEN NAILS:

10d COMMON TOENAILS AT 4" O.C. PLUS (4) 16d COMMON TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS - 0.131" X 3"

TOENAILS AT 4" O.C. PLUS (4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

ASCE 7-93 GABLE DETAIL DRAWINGS

A10105EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103

ASCE 7-98 GABLE DETAIL DRAWINGS

A10305EN1103, A100305EN1103, A090305EN1103, A080305EN1103, A070305EN1103

SBCCI GABLE DETAIL DRAWINGS

A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103

SI1015EN1103, SI0015EN1103, S09015EN1103, S08015EN1103, S07015EN1103

SI1030EN1103, SI0030EN1103, S09030EN1103, S08030EN1103, S07030EN1103

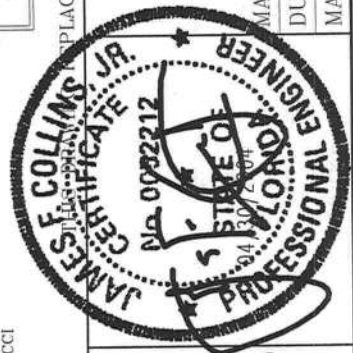
SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

CEILING

ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-93 (BUILDING COMPONENT SAFETY INFORMATION) AND TPI TRUSS PLATE INSTITUTE, 5983 DORFHEIM DR., SUITE 501, FORT WORTH, TEXAS 76116-4000 TRUSS COUNCIL OF AMERICA, 6500 E. HIGHWAY 100, SUITE 100, FORT WORTH, TEXAS 76116-4000 FOR SAFETY PRACTICES PRIOR TO PERFORMING TRUSS CONSTRUCTION. UNLESS OTHERWISE 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. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING INFORMATION FROM THE DESIGN SPEC, BRACING OF TRUSSES. DESIGN CONFORMS WITH THE REQUIREMENTS OF THE NATIONAL DESIGN SPEC, BY AFRAPAY AND TPI. ALPINE TRUSSES ARE MADE OF 20/18/16/6A (W/H/S/X) ASTM A653 GRADE 50 STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED BY THIS DESIGN, POSITION PER DRAWINGS 150A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE 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.



REPLACES DRAWINGS GAB98117 876,719 & HC26294035

REF LET-IN VERT

DATE 01/16/04

DRWG GBLLETIN1103

-ENG DLJ/KAR

MAX TOT. LD. 60 PSF

DUR. FAC. ANY

MAX SPACING 24.0"