

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:1T1S487-Z0127105837

Truss Fabricator: Anderson Truss Company
Job Identification: 6-355---- Ricky Mayo -- , **
Truss Count: 80
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.24, 7.31.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed



Seal Date: 10/27/2006

-Truss Design Engineer-
Arthur R. Fisher

Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

Notes:

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

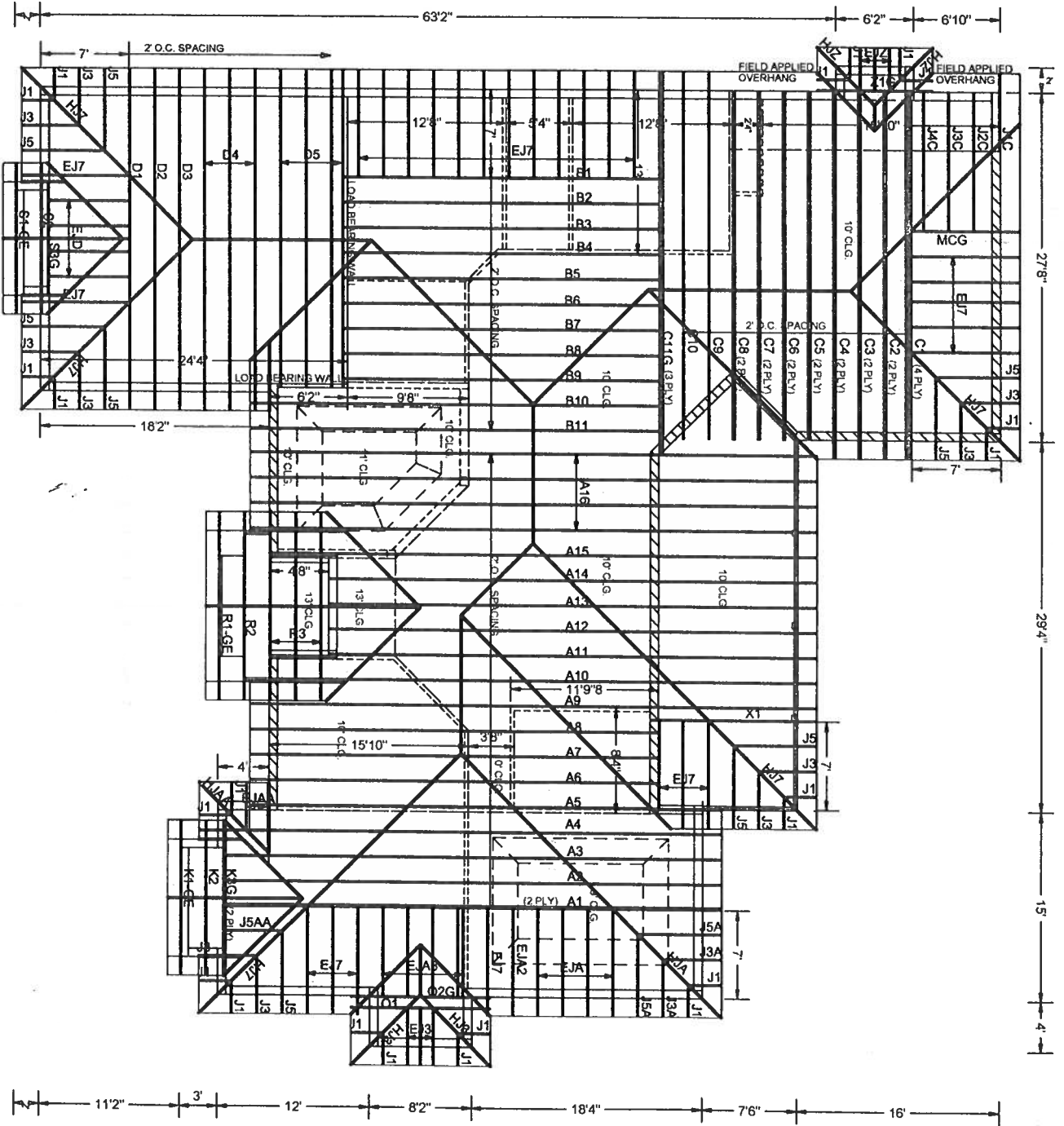
Details: BRCLBSUB-A11015EE-GBLLETIN-

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1	17222--A1		06299001	10/26/06
2	17223--A2		06299002	10/26/06
3	17224--A3		06299003	10/26/06
4	17225--A4		06299004	10/26/06
5	17226--A5		06299005	10/26/06
6	17227--A6		06299006	10/26/06
7	17228--A7		06299007	10/26/06
8	17229--A8		06299008	10/26/06
9	17230--A9		06299009	10/26/06
10	17231--A10		06299010	10/26/06
11	17232--A11		06299011	10/26/06
12	17233--A12		06299012	10/26/06
13	17234--A13		06299013	10/26/06
14	17235--A14		06299014	10/26/06
15	17236--A15		06299015	10/26/06
16	17237--A16		06299016	10/26/06
17	17238--B1		06299017	10/26/06
18	17239--B2		06299018	10/26/06
19	17240--B3		06299019	10/26/06
20	17241--B4		06299020	10/26/06
21	17242--B5		06299021	10/26/06
22	17243--B6		06299022	10/26/06
23	17244--B7		06299023	10/26/06
24	17245--B8		06299024	10/26/06
25	17246--B9		06299025	10/26/06
26	17247--B10		06299026	10/26/06
27	17248--B11		06299027	10/26/06
28	17249--C1		06299028	10/26/06
29	17250--C2		06299029	10/26/06
30	17251--C3		06299030	10/26/06
31	17252--C4		06299031	10/26/06
32	17253--C6		06299032	10/26/06
33	17254--C5		06299033	10/26/06
34	17255--C7		06299034	10/26/06
35	17256--C8		06299035	10/26/06
36	17257--C9		06299036	10/26/06
37	17258--C10		06299037	10/26/06
38	17259--C11G		06299038	10/26/06

#	Ref	Description	Drawing#	Date
39	17260--D1		06299039	10/26/06
40	17261--D2		06299040	10/26/06
41	17262--D3		06299041	10/26/06
42	17263--D4		06299042	10/26/06
43	17264--D5		06299043	10/26/06
44	17265--HJ7		06299044	10/26/06
45	17266--EJ7		06299045	10/26/06
46	17267--HJ3		06299046	10/26/06
47	17268--EJ3		06299047	10/26/06
48	17269--J5		06299048	10/26/06
49	17270--J3		06299049	10/26/06
50	17271--J1		06299050	10/26/06
51	17272--HJA		06299051	10/26/06
52	17273--HJAA		06299052	10/26/06
53	17274--J5A		06299053	10/26/06
54	17275--J5AA		06299054	10/26/06
55	17276--J3A		06299055	10/26/06
56	17277--EJAA		06299056	10/26/06
57	17278--EJA1		06299057	10/26/06
58	17279--EJA2		06299058	10/26/06
59	17280--EJA3		06299059	10/26/06
60	17281--J1C		06299060	10/26/06
61	17282--J2C		06299061	10/26/06
62	17283--J3C		06299062	10/26/06
63	17284--J4C		06299063	10/26/06
64	17285--MCG		06299064	10/26/06
65	17286--EJ0		06299065	10/26/06
66	17287--HJZ		06299066	10/26/06
67	17288--EJZ		06299067	10/26/06
68	17289--K1-GE		06299068	10/26/06
69	17290--K2		06299069	10/26/06
70	17291--K3G		06299070	10/26/06
71	17292--01		06299071	10/26/06
72	17293--02G		06299072	10/26/06
73	17294--R1-GE		06299073	10/26/06
74	17295--R2		06299074	10/26/06
75	17296--R3		06299075	10/26/06
76	17297--S1-GE		06299076	10/26/06

#	Ref	Description	Drawing#	Date
77	17298--S2		06299077	10/26/06
78	17299--S3G		06299078	10/26/06
79	17300--X1		06299079	10/26/06
80	17301--Z1G		06299080	10/26/06





#6-355 RICKY MAYO

10/25/06

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:
Bot chord 2x8 SP #1 Dense :B5, B6 2x6 SP #2:
Webs 2x4 SP #3

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

Wind reactions based on MMFRS pressures.

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

#1 hip supports 7-0-0 jacks at left end and 6-4-0 jacks at right
end. Jacks have no webs.

2 COMPLETE TRUSSES REQUIRED

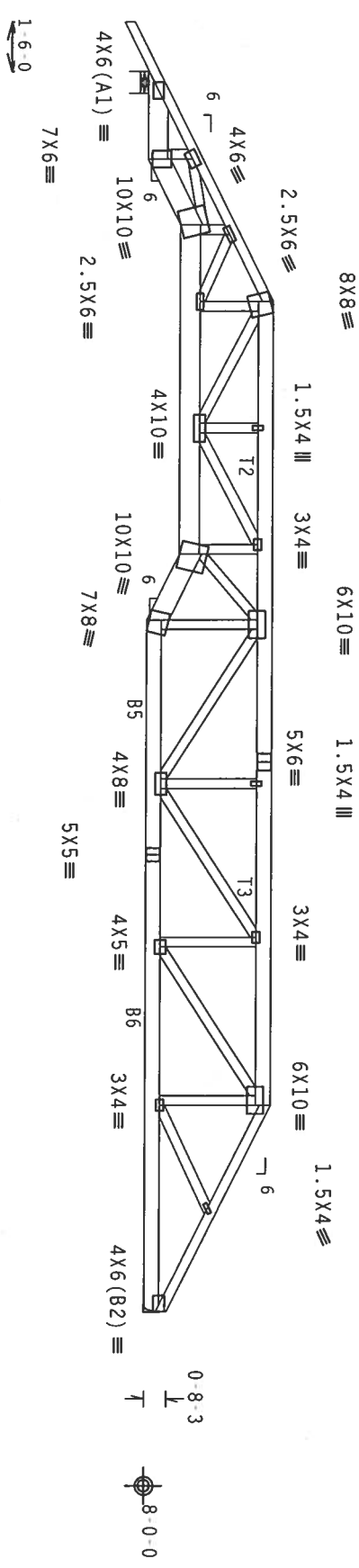
Nailing Schedule: (12d Common (0.148"x3.25", min.)_nails)

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

Calculated horizontal deflection is 0.10" due to live load and
0.17" due to dead load.

In lieu of structural panels or rigid ceiling use purlins to
brace TC @ 24" OC, BC @ 24" OC.

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



7-0-0
2-8-0
2-0-0
10-0-0
2-0-0
24-6-0
21-2-0
6-4-0
37-10-0 Over 2 Supports
R=3251 U=295 W=8"

PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

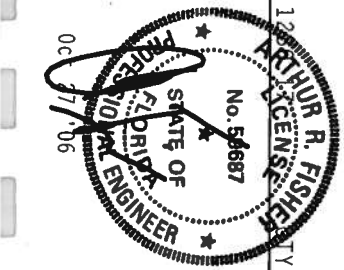
R-3183 U=271 H=Simpson HGU526-2
W/ (6) 16d, 0.162"x2.5" nails in Truss
W/ (20) 16d, 0.162"x2.5" nails in Girder
Girder is (2) 2x6 min. So Pine

Scale = .1875"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
RECORD ALL DIMENSIONS AND MATERIALS USED IN FABRICATION. PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 583
DUNBAR RD, SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS.
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 TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MD5 (NATIONAL DESIGN SPEC. BY AF&PA) AND TP1. ALPINE
CONNECTOR PLATES ARE MADE OF 2018/160A (W.N/S/K) 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-Z.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANKAS OF TP1-2002 SEC.3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
BUILDING DESIGNER FOR ANKAS/TP1 SEC. 2.

ALPINE
Engineered Products, Inc.
Haines City, FL 33844
Attention #1



TC LL	20.0 PSF	REF	R487--	17222
TC DL	10.0 PSF	DATE	10/26/06	
BC DL	10.0 PSF	DRW	HCSR487	06299001
BC LL	0.0 PSF	HC-ENG	DAL/AF	
TOT. LD.	40.0 PSF	SEQN-	134280	
DUR. FAC.	1.25			
SPACING	24.0"			

JBEE-1TT5487_201

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Studded Wedge 2x6 SP #2:

Calculated horizontal deflection is 0.11" due to live load and 0.17" due to dead load.

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

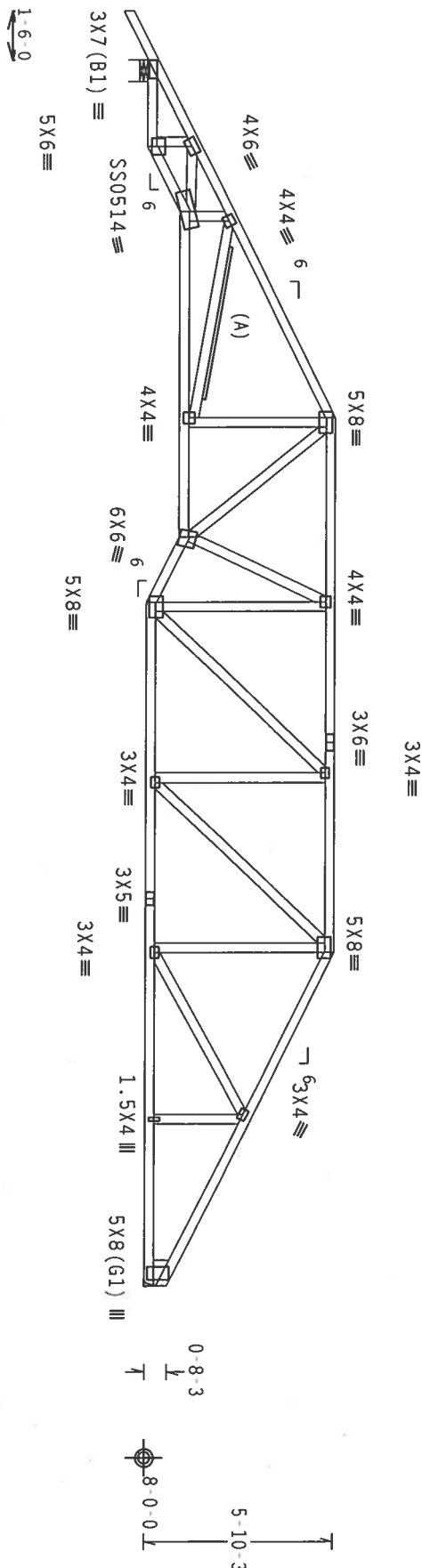
In lieu of structural panels or rigid ceiling use purtins to brace TC @ 24" OC, BC @ 24" OC.

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

Wind reactions based on MMFRS pressures.

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

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



R=1674 U=180 W-8"

PLT TYP. 18 Gauge HS, Wave

Design Cmt: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.14

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

Scale = .1875"/ft.

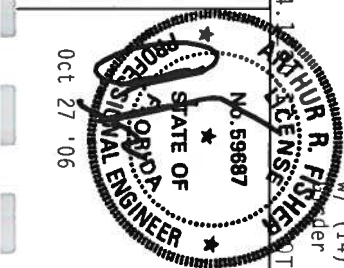
WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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 NOS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Phone # 888-244-2444
Fax # 888-244-2444

Drawn # 1000



TC LL	20.0 PSF	REF	R487--	17224
TC DL	10.0 PSF	DATE	10/26/06	
BC DL	10.0 PSF	DRW	HCSR487	06299003
BC LL	0.0 PSF	HC-ENG	DAL/AF	
TOT. LD.	40.0 PSF	SEQN-	134296	
DUR. FAC.	1.25			
SPACING	24.0"			

JREF- 1T1S487_201

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

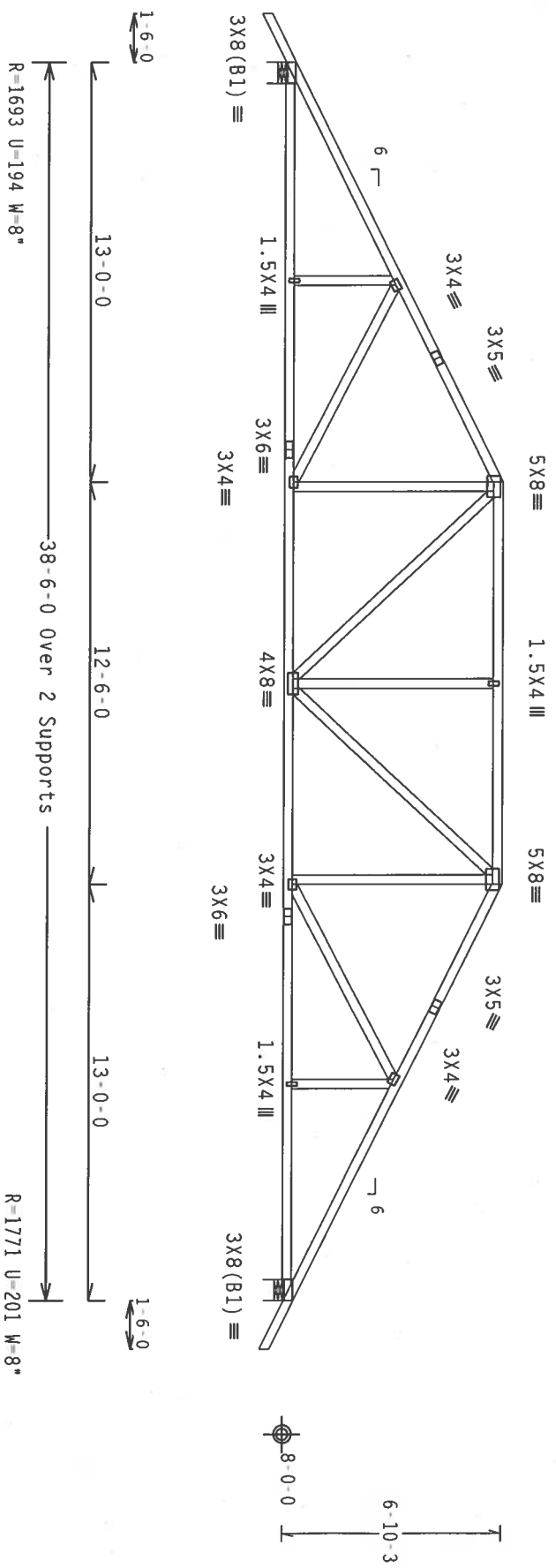
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MMFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

SPECIAL LOADS

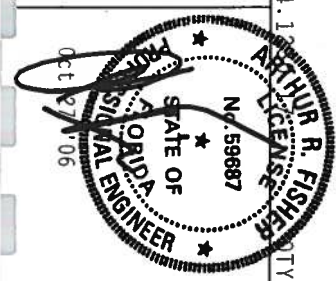
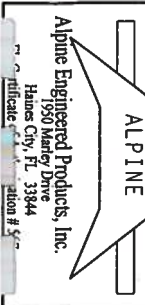
LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25
TC - From 62 PLF at -1.50 to 62 PLF at 40.00
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 38.50
BC - From 4 PLF at 38.50 to 4 PLF at 40.00
TC - 14 LB Conc. Load at 36.29
BC - 41 LB Conc. Load at 34.56, 36.23
BC - 4 LB Conc. Load at 36.29
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO PG 1 FOR BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 MADISON, MI 48179) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIONS. THESE ACTIONS SHOULD BE ATTACHED TO 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 AIA 603.1 DESIGN SPEC. BY AIA/AIA AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2017B/166A (W.N/S/K) ASTM A653 GRADE 40/60 (K/H/S) GALV. STEEL. APPLY 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-- 17225
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCURS487 06299004
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT. LD.	40.0 PSF	SEQN- 134332
DUR. FAC.	1.25	
SPACING	24.0"	
JREF- 1TJ5487 201		

Scale = .1875"/ft.
Scale = .1875"/ft.

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

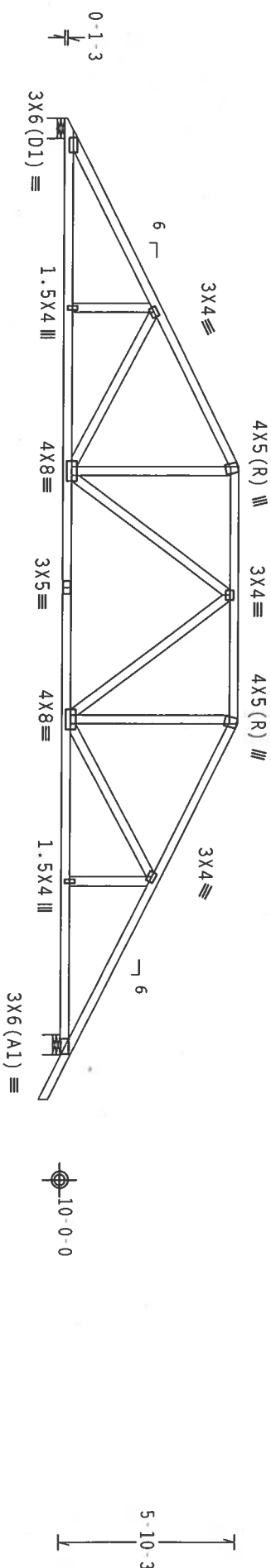


Diagram illustrating the elevation of a roof structure with dimensions and support locations:

- Overall width: $11-6-0$
- Left overhang: $31-0-0$
- Right overhang: $11-0-0$
- Support locations: Indicated by arrows pointing to the roof structure, labeled "Over 2 Supports".
- Dimensions for the supports: $8-6-0$ (width of the support area).
- Dimensions for the roof structure: $R-1270$ (height), $U-180$ (width), $W-8"$ (thickness).
- Dimensions for the roof structure: $R-1380$ (height), $U-180$ (width), $W-8"$ (thickness).

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

DITY:1

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

Scale = .1875"/Ft.

WARNING: TRUSSES REQUIRE EXPERTISE, CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 580 D'ONOFRIO BL., SUITE 200, MADISON, AL 35119, AND WPCA (WOOD TRUSS COUNCIL OF AMERICA), 6500 ENTERPRISE, IN MADISON, AL 35719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANTS, AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LIGID 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 TRUSSES IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 201/18T63CA (U.S.S.)/ASTM A663 GRADE 60624 (U.S.S.) AND C110 STEEL.

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, Z
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11.2002 SEC.3.
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
A SEAL ON THIS

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

04/27/06

ARTHUR R. FISHER
STATE OF FLORIDA
No. 59687
PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF	R487 - 17226
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUSR487 06299005
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN -	134359
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	1T1S487 201

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



Design Crit: $TP1-2002(STD)/FBC$
 $Cq/RT=1.00(1.25)$

 $C_q/RT=1.00(1.25)/10(0)$

CENSURE

FL/14/11/R/11

Scale = 1.875"/Ft.

*****WARNING*** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSC 1-103 (BUILDING COMPOSITE SAFETY INFORMATION), PUBLISHED BY THE STEEL PLATE INSTITUTE, 563 D'ORONHO RD., SUITE 200, MADISON, MI 48131, AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), 6500 ENTERPRISE IN MADISON, MI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PANTS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED TO TOP CHORD CEILING.**

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

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AIAA) AND TPI. ALPINE

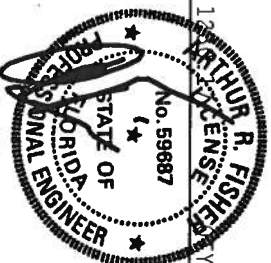
CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H/S/K) ASTM A653 GRADE 40/60 (M. K/H.S) GALV. STEEL. APPLY

ANY INSPECTION OF PLAIES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING REGISTRATION. SEAL OF THE ENGINEER

DESIGN SHOWN, THE SOLIDABILITY 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
Telephone # 508-835-1111

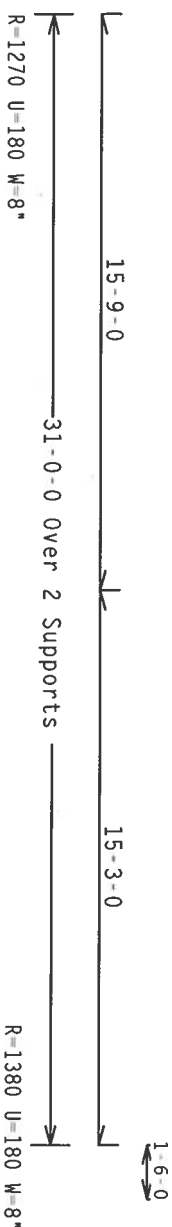


TC LL	20.0 PSF	REF	R487-- 17227
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUSR487 06299006
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	134353
DUR.FAC.	1.25		
SPACING	24.0"	DRWF	1713487_201

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

(A) Continuous lateral bracing equally spaced on member.

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



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

$$Cq/RT=1.00(1.25)/10(0) \quad 7.24.$$

QTY: 1

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

Scale = .1875" / Ft.

WARNING TRUCKS REQUIRE EXPERIENCE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPREHENSIVE SAFETY INFORMATION), PUBLISHED BY TPI (TROSS PLATE INSTITUTE, 583 D'AMORIO BL., SUITE 200, MADISON, WI 53719) AND NCA (NATIONAL TROSS 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.

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

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/PDA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 30418/31054 (U.S. 6061) ALUM. ALLOY GRADE 6061 IN ACC. WITH ALUM. EXTRU.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.M.S/K) 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 FOR CHANGING LOADS.

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TB11-2003 SEC 7 A SEAL ON TUFF

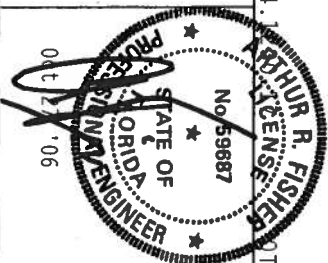
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

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

001106
001107
001108
001109
001110

Haines City, FL 33844
Certification # 5



TC LL	20.0 PSF	REF	R487 - - 17228
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	H0USR487 06299007
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	134374
DUR.FAC.	1.25		
SPACING	24.0"	JBREF -	1T1S487 201

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

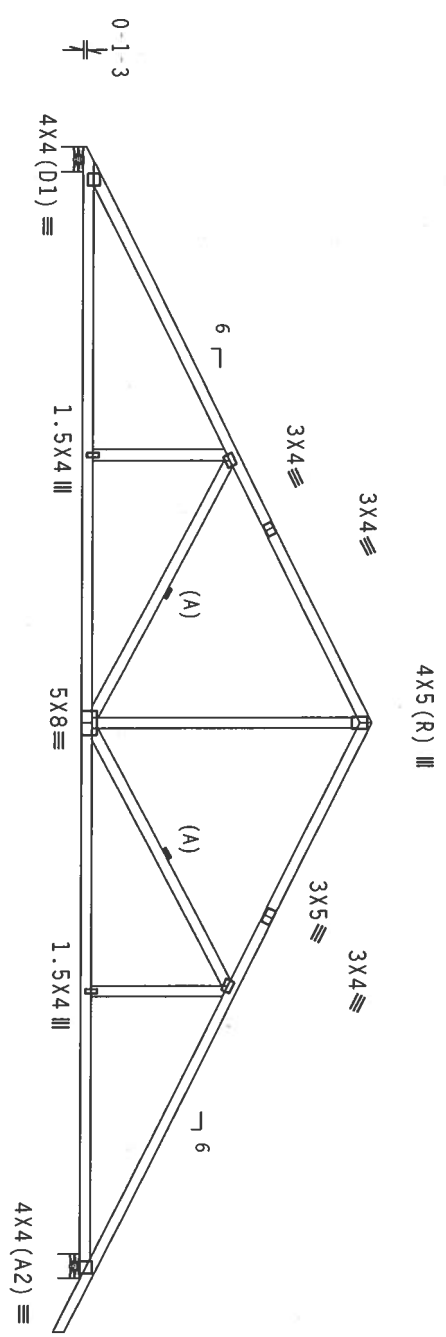
Wind reactions based on MMFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

(A) Continuous lateral bracing equally spaced on member.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.12
R. FISHER
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BPP) AND TPI-2002(STD)/FBC FOR TRUSS SAFETY. TPI-2002(STD)/FBC IS THE RESPONSIBILITY OF THE TRUSS DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

****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-2002(STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA 603 GRADE 40/60 (K, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. 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.



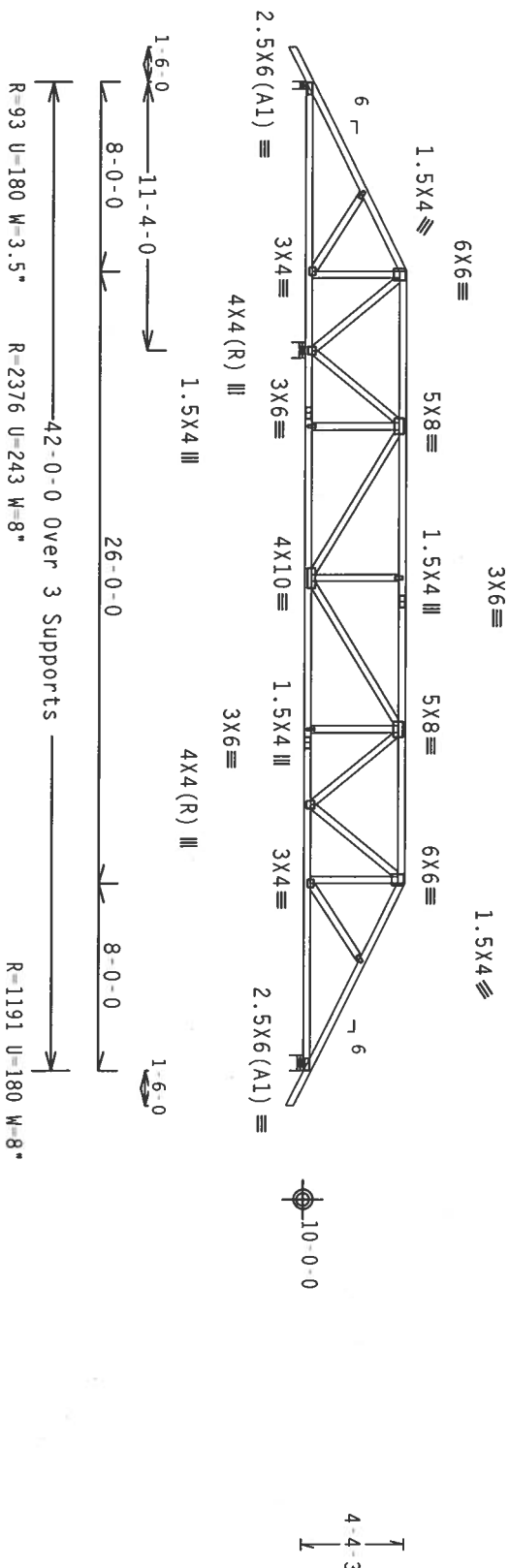
Alpine Engineered Products, Inc.
1950 Mader Drive
Haines City, FL 33844
Attention #5

TC LL	20.0 PSF	REF R487--	17229
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW HCUSR487	06299008
BC LL	0.0 PSF	HC-ENG DAL/AF	
TOT.LD.	40.0 PSF	SECON	134369
DUR.FAC.	1.25		
SPACING	24.0"	JGEE-1T1S/A87_201	

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



PLT TYP. Wave

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

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

Scale = .125" / Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC61-1 (GUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 563 D'ONOFRIO BL., SUITE 200, MADISON, MI 48131, AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.), 5300 OLD BRIDGE RD., SUITE 500, MADISON, MI 48124, 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 CHORD 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 AIAA) AND TPI. ALPINE

CONNECTION PLATE IS MADE OF 20/10/10GA (W.M.S/K) ASIM A653 GRADE 40/60 (M. K/H.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS 1504-7

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERMITTED AS OF 1911-2002 SEC 2
 TENDERS TO EACH LINE 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

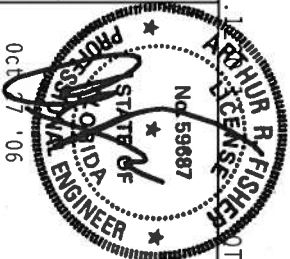
DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE ARCHITECT AND/OR PROJECT OWNER. FOR ADDITIONAL INFORMATION, PLEASE CONTACT THE CROSS COMPONENTS GROUP AT 1-800-368-7263.

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.

Haines City, FL 33844



TC LL	20.0 PSF	REF	R487 - - 17230
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUSR487 06299009
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN -	134386
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T15487_Z01

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

Wind reactions based on MMFRS pressures.

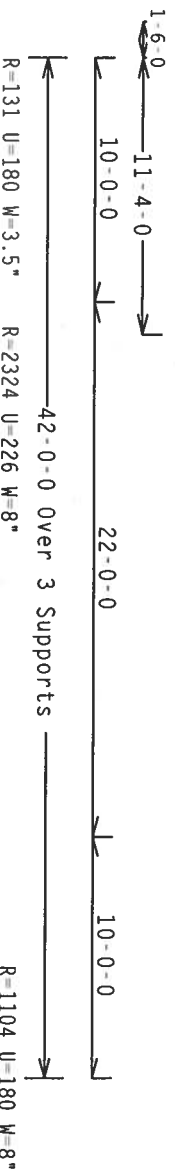
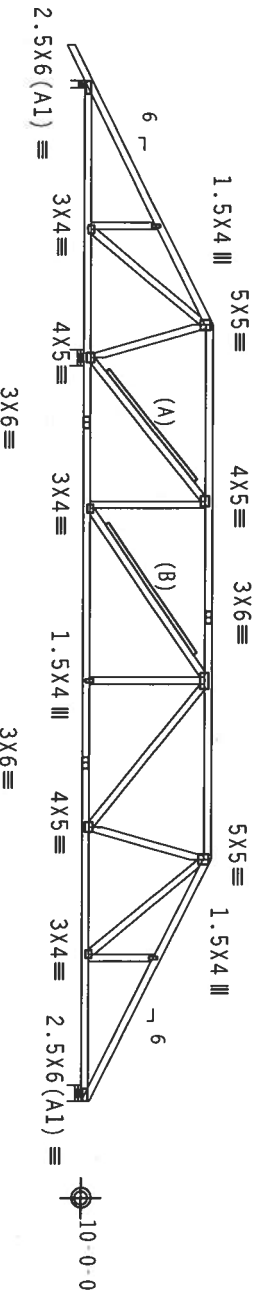
(A) 2x6 SP #3 or better "T" brace. 80% length of web member.
Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(B) 2x4 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC. In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

4X8 ≡



PLT TYP. Wave

Design Cmt: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

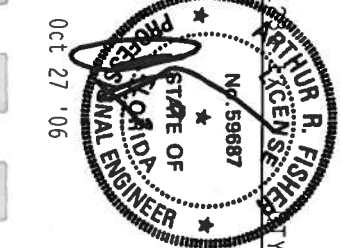
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGN 1001 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DOWNEY AVENUE, SUITE 100, DOWNEY, IL 60402) FOR ADDITIONAL INFORMATION. TRUSS CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TPI DESIGN SPECIFICATIONS. THE TRUSS SHALL BE DESIGNED TO PERFORM UNDER THE FOLLOWING CONDITIONS: 1. THE TRUSS 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 A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN SPEC. BY ASEA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W, F/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP1-2002 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.

ALPINE

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

Station # 33844



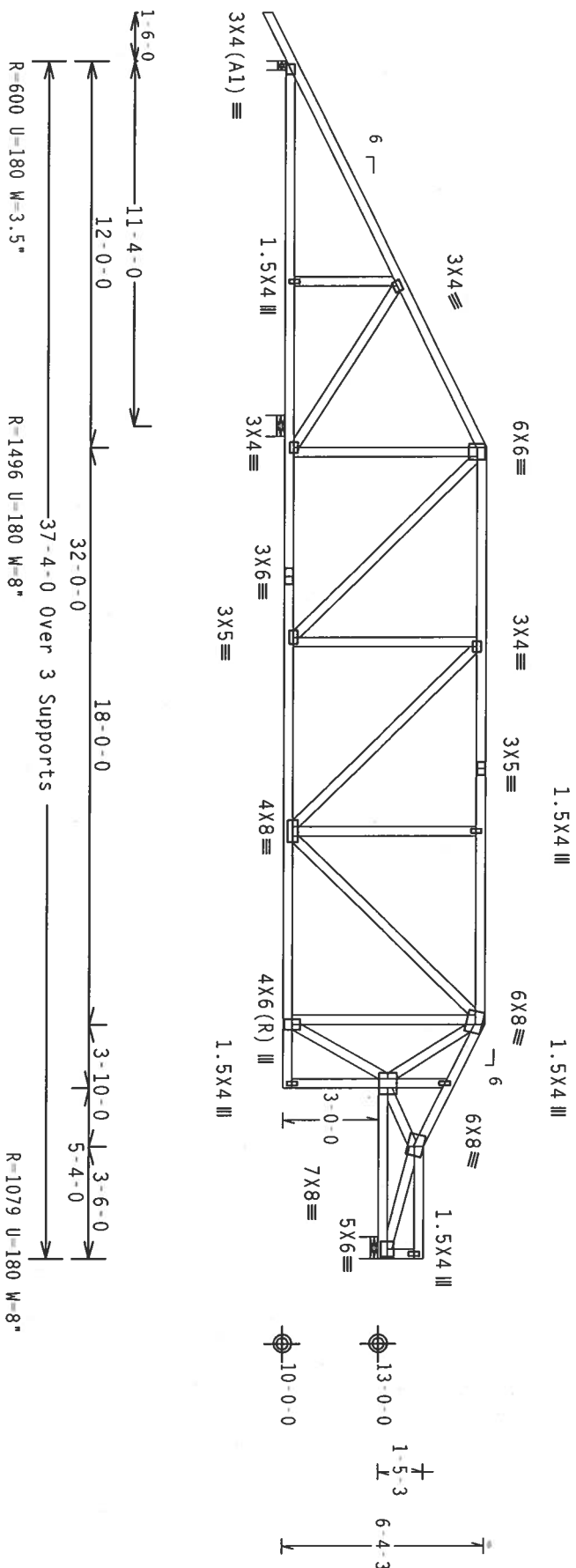
TC LL	20.0 PSF	REF R487-17231
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUR487 06299010
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEGN-134398
DUR.FAC.	1.25	
SPACING	24.0"	

JREF-1715487_201

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC D=5.0 psf, wind BC D=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



PLT TYP. Wave

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

PROPERTY: ...

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

Scale = .1875"/ft.

HANNING TRUSSES REQUIRE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO SCG1 1-10 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (CRISTALL PLATE INSTITUTE, 503 O'CONNOR DR., SUITE 200, MADISON, WI 53718) 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 PANTLS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED CHORD 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 MDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. ALPINE

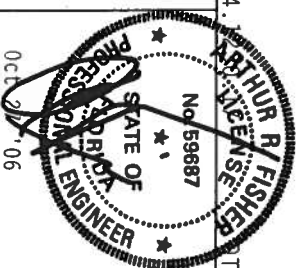
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII-2002 SEC.3. A SEAL ON THIS PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGNATION PER DRAWINGS 160A-Z, CORRECTION PLATES MADE ON 20/19/16GA (N./H./S/R) ASIM A953 GRADE 40/60 (N. K/H./S) GALV. STEEL, APPLY

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

Alpine Engineered Products, Inc.

ALPIN

Salmon #	Salmon	Salmon #	Salmon
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
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9	9	9	9
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94	94	94	94
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96	96	96	96
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98	98	98	98
99	99	99	99
100	100	100	100



TC LL	20.0 PSF	REF	R487 - - 17232
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HGUSR487 06299011
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN -	134410
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1715487_201

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

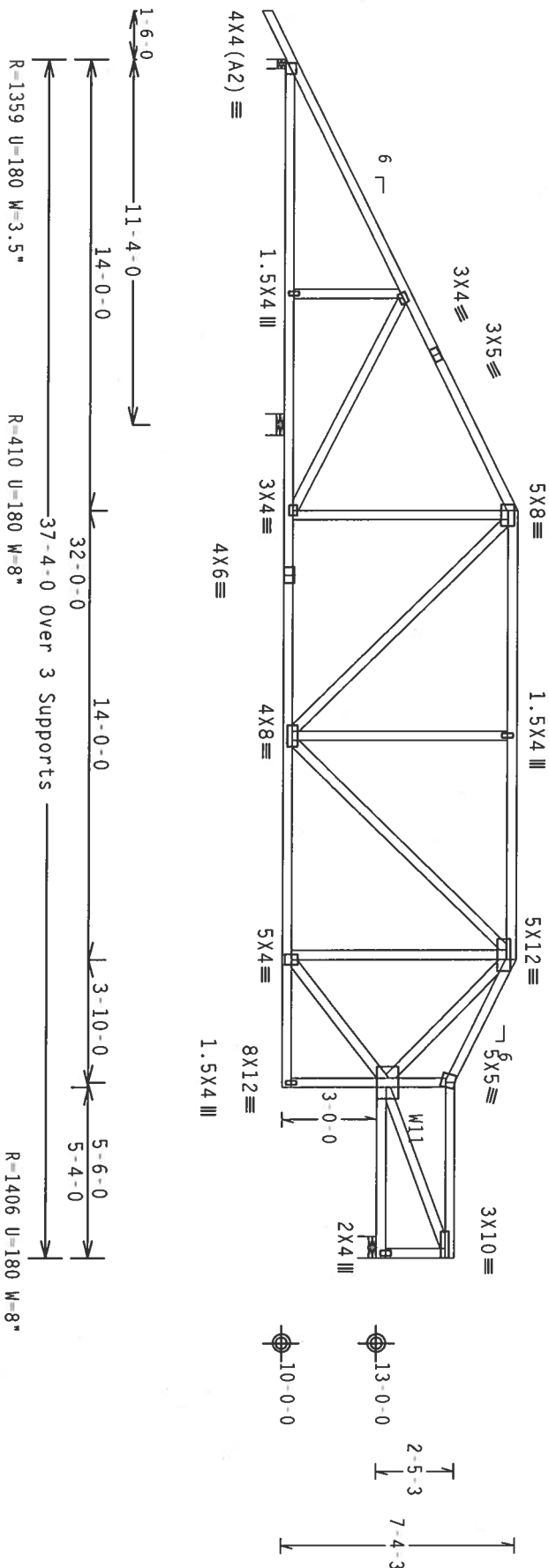
Wind reactions based on MMFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to
brace TC @ 24" OC, BC @ 24" OC.

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

Right end vertical not exposed to wind pressure.

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



PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

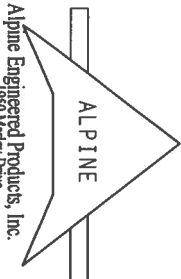
TY:1 FL/-/4/-/R/-

Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 563 DUNSTON RD., SUITE 100, FARMINGTON, CT 06031-1000. TRUSSES SHALL BE DESIGNED AND FABRICATED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 360-10 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

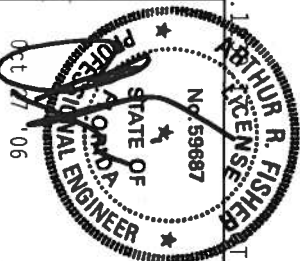
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1664 (W4/SX) ASH A53 GRADE 40/60 (W4/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



Alpine Engineered Products, Inc.
1990 Hardley Drive
Haines City, FL 33844

Station #



TC LL	20.0 PSF	REF	R487 - 17233
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUSR487 06299012
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT. LD.	40.0 PSF	SEQN	134418
DUR. FAC.	1.25		
SPACING	24.0"		

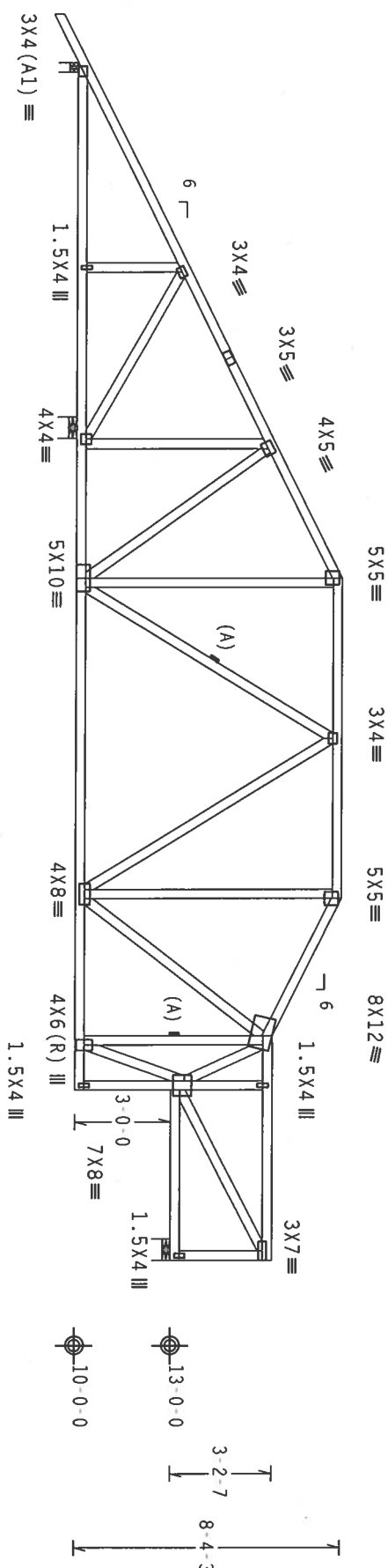
JREF- 1T1S487_201

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

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



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

$$Cq/RT=1.00(1.25)/10(0)$$

12345678910111213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364656667686970717273747576777879808182838485868788899091929394959697989910010110210310410510610710810911011111211311411511611711811912012112212312412512612712812913013113213313413513613713813914014114214314414514614714814915015115215315415515615715815916016116216316416516616716816917017117217317417517617717817918018118218318418518618718818919019119219319419519619719819920020120220320420520620720820921021121221321421521621721821922022122222322422522622722822923023123223323423523623723823924024124224324424524624724824925025125225325425525625725825926026126226326426526626726826927027127227327427527627727827928028128228328428528628728828929029129229329429529629729829930030130230330430530630730830931031131231331431531631731831932032132232332432532632732832933033133233333433533633733833934034134234334434534634734834935035135235335435535635735835936036136236336436536636736836937037137237337437537637737837938038138238338438538638738838939039139239339439539639739839940040140240340440540640740840941041141241341441541641741841942042142242342442542642742842943043143243343443543643743843944044144244344444544644744844945045145245345445545645745845946046146246346446546646746846947047147247347447547647747847948048148248348448548648748848949049149249349449549649749849950050150250350450550650750850951051151251351451551651751851952052152252352452552652752852953053153253353453553653753853954054154254354454554654754854955055155255355455555655755855956056156256356456556656756856957057157257357457557657757857958058158258358458558658758858959059159259359459559659759859960060160260360460560660760860961061161261361461561661761861962062162262362462562662762862963063163263363463563663763863964064164264364464564664764864965065165265365465565665765865966066166266366466566666766866967067167267367467567667767867968068168268368468568668768868969069169269369469569669769869970070170270370470570670770870971071171271371471571671771871972072172272372472572672772872973073173273373473573673773873974074174274374474574674774874975075175275375475575675775875976076176276376476576676776876977077177277377477577677777877978078178278378478578678778878979079179279379479579679779879980080180280380480580680780880981081181281381481581681781881982082182282382482582682782882983083183283383483583683783883984084184284384484584684784884985085185285385485585685785885986086186286386486586686786886987087187287387487587687787887988088188288388488588688788888989089189289389489589689789889990090190290390490590690790890991091191291391491591691791891992092192292392492592692792892993093193293393493593693793893994094194294394494594694794894995095195295395495595695795895996096196296396496596696796896997097197297397497597697797897998098198298398498598698798898999099199299399499599699799899910001001100210031004100510061007100810091010101110121013101410151016101710181019102010211022102310241025102610271028102910301031103210331034103510361037103810391040104110421043104410451046104710481049105010511052105310541055105610571058105910601061106210631064106510661067106810691070107110721073107410751076107710781079108010811082108310841085108610871088108910901091109210931094109510961097109810991100110111021103110411051106110711081109111011111112111311141115111611171118111911201121112211231124112511261127112811291130113111321133113411351136113711381139114011411142114311441145114611471148114911501151115211531154115511561157115811591160116111621163116411651166116711681169117011711172117311741175117611771178117911801181118211831184118511861187118811891190119111921193119411951196119711981199120012011202120312041205120612071208120912101211121212131214121512161217121812191220122112221223122412251226122712281229123012311232123312341235123612371238123912401241124212431244124512461247124812491250125112521253125412551256125712581259126012611262126312641265126612671268126912701271127212731274127512761277127812791280128112821283128412851286128712881289129012911292129312941295129612971298129913001

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

Scale = .1875"/Ft.

WARNING—TRISSES REQUIRING EXPERT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO BC51-1-03 (BUILDING COMPANION SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 D'ONOFRIO BLVD., SUITE 200, MOISTON, MI 48131) AND APCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MOISTON, MI 48131) FOR SAFETY PRACTICES APPLICABLE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANTS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED CHORD CEILING.

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

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMING WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN CODE OR OTHER APPROPRIATE DESIGN CODE.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/19/15GA (U H/S/K) ASTM A653 GRADE 40/60 (U K/U S) GALV STEEL.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (M, H/S/K) ASTM A653 GRADE 40/60 (M, 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 IP11-2002 SEC 3 A SEAL ON THIS PLATES TO EACH FACE OF CROSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT AND INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP11/2002 SEC.3. A SEAL ON THIS

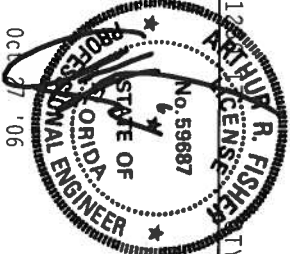
DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT IS THE RESPONSIBILITY OF THE DRAWING AND CALCULATED ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE CROSS COMPONENT.

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.

Haines City, FL 33844

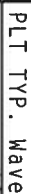


TC LL	20.0 PSF	REF	R487 - 17234
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUSR487 06299013
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	134432
DUR.FAC.	1.25		
SPACING	24.0"	URFF-	1T1A87_201

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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



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

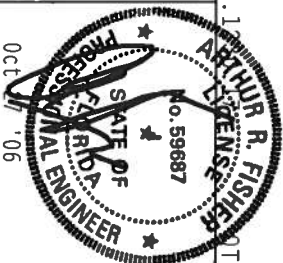
Scale = .125"/Ft.

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

TRUSSES.

ON THIS
COMPONENT

Y OF THE



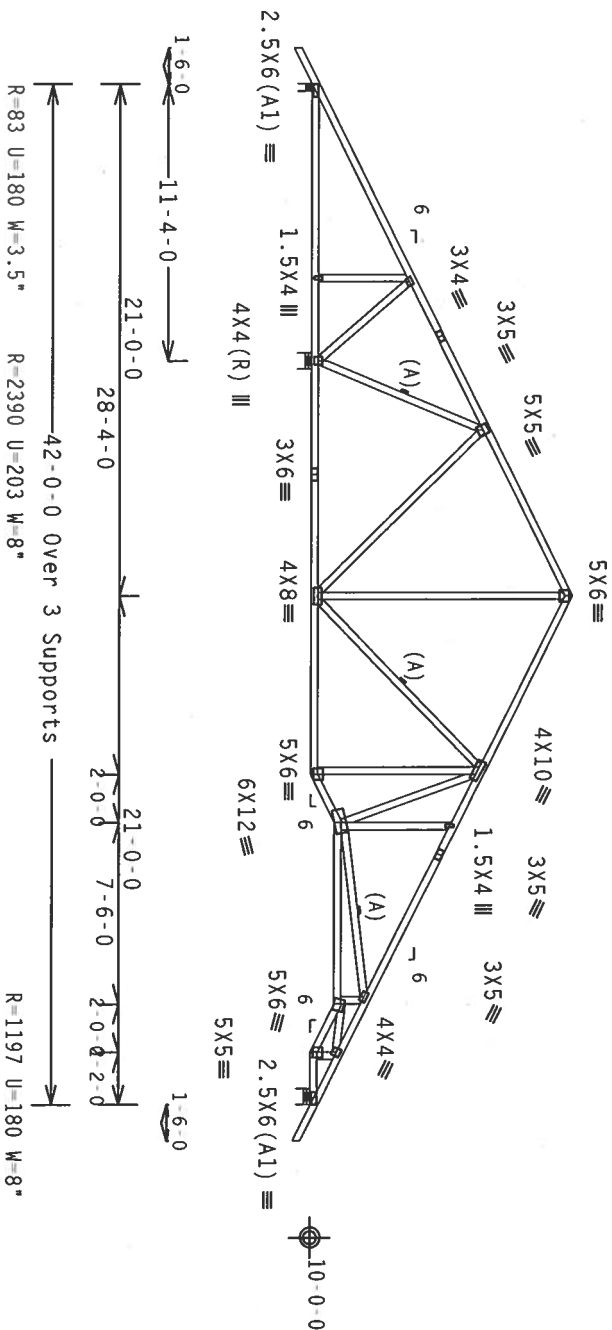
REF	R487 - 17236
DATE	10/26/06
DRW	HCSR487 06239015
HC-ENG	DAL/AF
SEQN -	134463
JREF -	1715487_Z01

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

Wind reactions based on MMFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to
brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.22 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 6.50 ft from roof edge, CAT II, EXP B, wind TC
DL=5.0 psf, wind BC DL=5.0 psf.
(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.

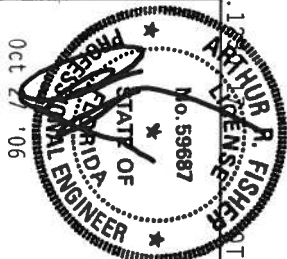
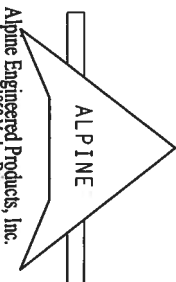


PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RIGID CEILING IS NOT A BUILDING COMPONENT. PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 563 DOWNSIDE DR., SUITE 100, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, THE 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 A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1664 (W.H/S/K) ASTM A653 GRADE 40/50 (K, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

Scale = .125" / Ft.

TC LL	20.0 PSF	REF R487- 17237
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUR487 06299016
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT. LD.	40.0 PSF	SEQN- 134471
DUR. FAC.	1.25	
SPACING	24.0"	
JREF- 1TJS487_201		

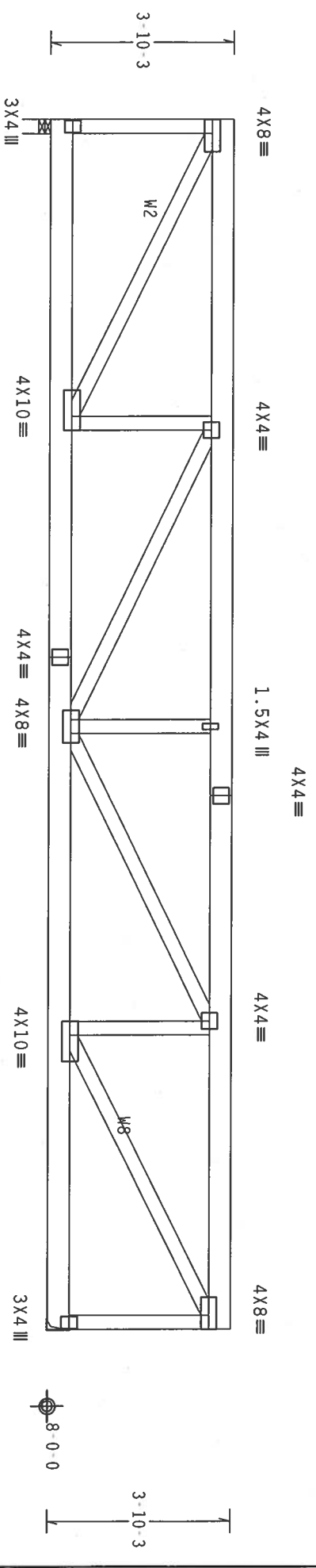
Top chord 2x6 SP #2
 Bot chord 2x6 SP #2
 Webs 2x4 SP #3 :W2, W8 2x4 SP #2 Dense:

SPECIAL LOADS
 LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
 TC - From 126 PLF at 0.00 to 126 PLF at 25.13
 BC - From 44 PLF at 0.00 to 44 PLF at 25.13

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

Truss must be installed as shown with top chord up.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
 Wind reactions based on MWFRS pressures.
 End verticals not exposed to wind pressure.
 Max JT VERT DEFL: LL: 0.13" DL: 0.20" recommended camber 3/8"
 In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.
 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/10(0) 7.24.1

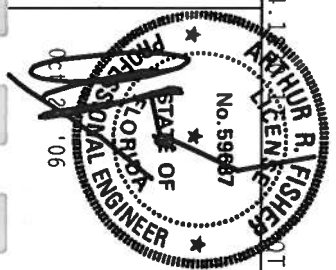
QTY: 1 FL/-/4/-/R/- Scale = .3125"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESI 1003 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNSTON RD, SUITE 100, WILSON, NJ 07094) AND/OR THE 2002 EDITION OF THE NATIONAL BUILDING CODE OF AMERICA, 6300 KENNEDY BLVD, WASHINGTON, DC 20001 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE TASKS. THE 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 A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (W.H/S/K) 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-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.



Alpine Engineered Products, Inc.
 1950 Marley Drive
 Hialeah City, FL 33844
 Phone # 305-881-1111
 Fax # 305-881-1112



TC LL	20.0 PSF	REF R487 - 17238
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUR487 06299017
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT. LD.	40.0 PSF	SEQN- 134584
DUR. FAC.	1.25	
SPACING	24.0"	

JREF- 1TJ5487_201

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

Wind reactions based on MMFRS pressures.

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

Provide for complete drainage of roof.

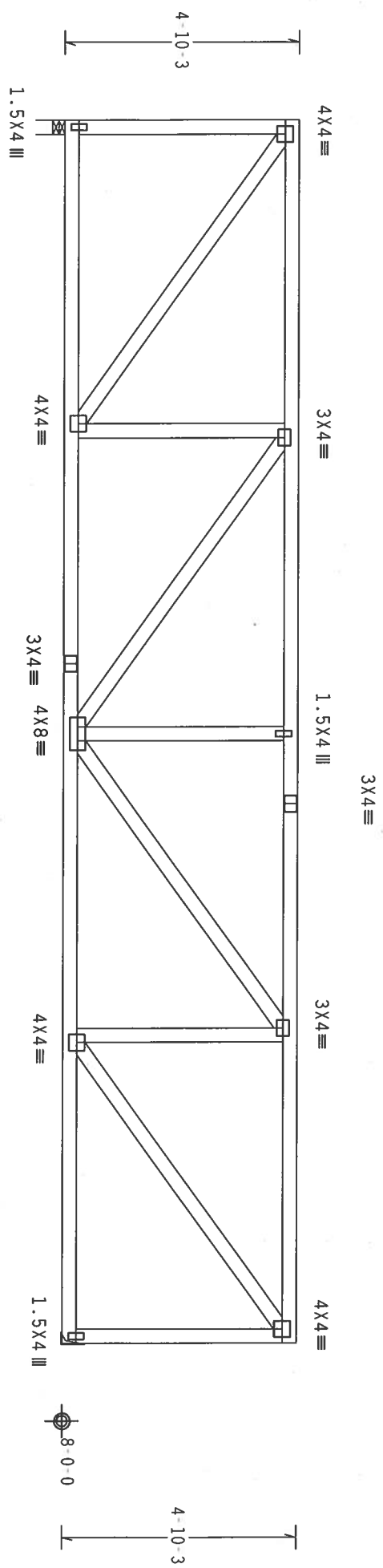
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

Truss must be installed as shown with top chord up.



R-1005 U-180 W-3.5"
25-1-8 Over 2 Supports

PLT TYP. Wave

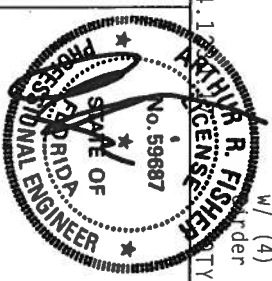
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.10

Scale = .3125"/ft.

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS CONSTRUCTION. PUBLISHED BY THE TRUSS PLATE INSTITUTE, 563 N. W. 10th St., Ft. Lauderdale, FL 33304. THIS TRUSS IS DESIGNED FOR A PERMANENT LIVE LOAD OF 10 PSF. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ALPINE
Alpine Engineered Products, Inc.
Haines City, FL 33844
Phone # 888-333-3344
Fax # 888-333-3344
E-mail # info@alpineeng.com



TC LL	20.0 PSF	REF	R487--	17239
TC DL	10.0 PSF	DATE	10/26/06	
BC DL	10.0 PSF	DRW	HCSR487	06299018
BC LL	0.0 PSF	HC-ENG	DAL/AF	
TOT. LD.	40.0 PSF	SEQN-	134576	
DUR. FAC.	1.25			
SPACING	24.0"			

Wind reactions based on MMFRS pressures.

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

Provide for complete drainage of roof.

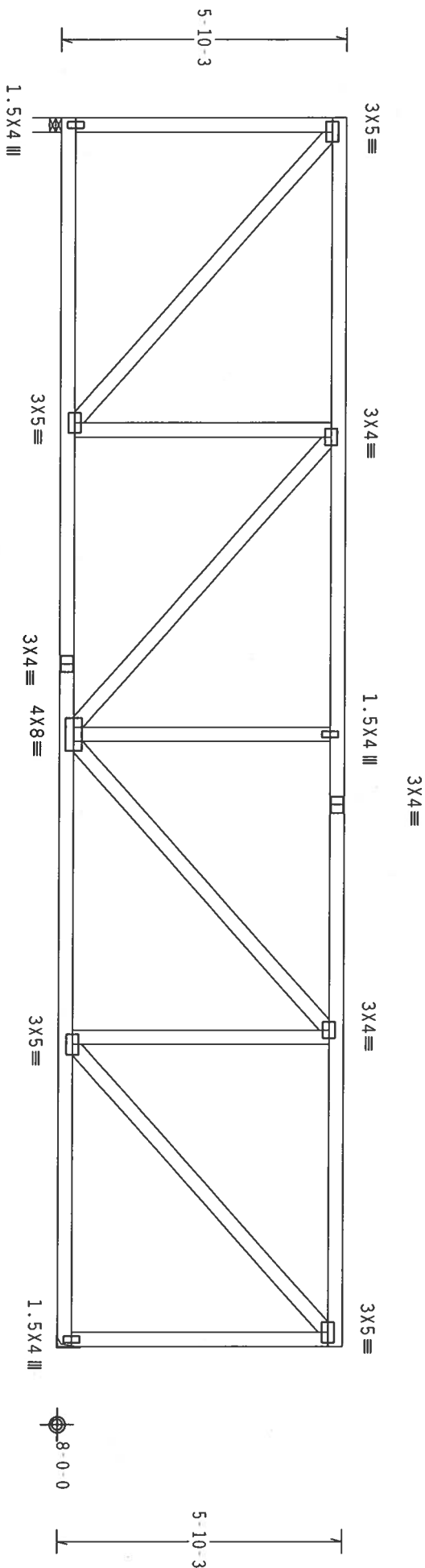
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

Truss must be installed as shown with top chord up.



R=1005 U=180 W=3.5"

-25-1-8 Over 2 Supports

R-1005 U-180 H-Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2x6 min. So, Pine

PLT TYP. Wave

Design Crit: $TPI-2002(STD)/FBC$
 $Cq/RT=1.00(1.25)/10(0)$

$$Cq/RT=1.00(1.25)/10(0$$

1. **SCIENCE**

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

Scale = .3125"/Ft.

WARNING: TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO BC31-3 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PULP INSTITUTE, 5800 E. O'NEIRO DR., SUITE 200, MADISON, WI 53719) AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 5300 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

TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING

CONNECTION PLATES ARE MADE OF 20/10/16GA (W.M/S/K) ASIM A653 GRADE 40/60 (W. K/H.S) GALV. ST
PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

100

Alpine Engineered Products, Inc.

1930 Manley Drive
Haines City, FL 33844

Certification

ation # 5

100

TC LL	20.0 PSF	REF	R487 - 17240
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCSR487 06299019
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	134569
DUR.FAC.	1.25		
SPACING	24.0"	DRFF-	1T1S487_201

JREF- 1T]SAR7-Z01

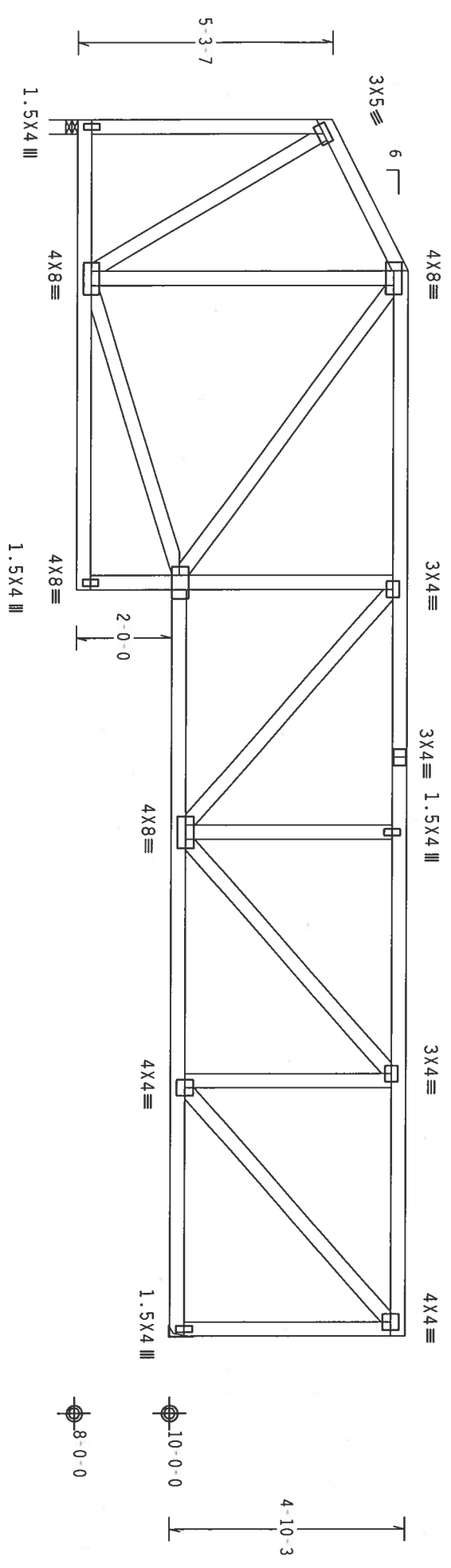
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

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

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

End verticals not exposed to wind pressure.
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



3-1-8
9-8-0
25-1-8 Over 2 Supports
22-0-0
15-5-8

R-1035 U-180 H-Simpson LUS26

w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
under is (1)2x6 min. So. Pine

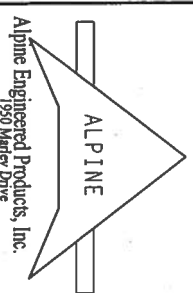
PLT TYP. Wave

Design Crit: TP1-2002 (STD) / FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

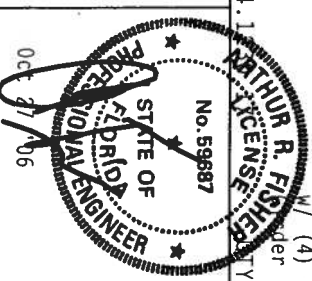
Scale = .3125"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RIGID CEILING SHALL BE PROVIDED TO PREVENT EXCESSIVE DEFLECTION. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA/ASCE 1604 (N/A/5/K) ASIN A653 GRADE 40/60 (N/A/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER 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 SUSTAINABILITY 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
Phone: 888-233-2334
Fax: 888-233-2334
Website: www.alpine-engineered.com



TC LL	20.0 PSF	REF R487- 17241
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUR487 06299020
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT. LD.	40.0 PSF	SEQN- 134562
DUR. FAC.	1.25	
SPACING	24.0"	
URFF- 1715487_201		

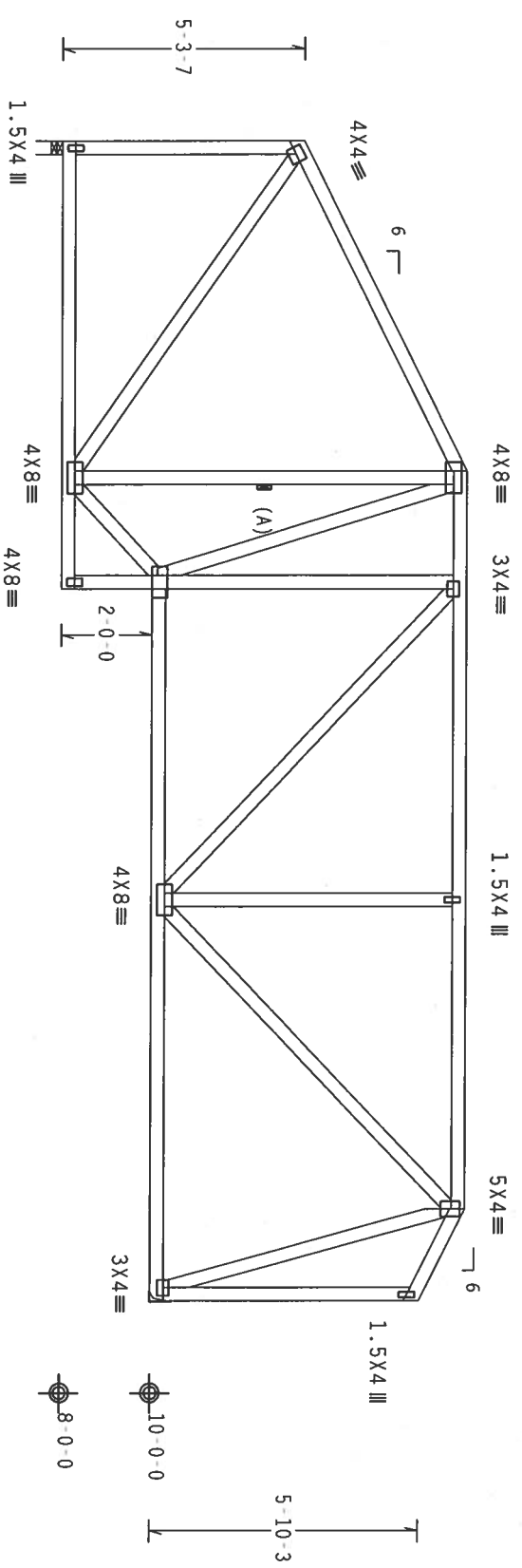
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

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

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

110 mph wind, 15.07 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
End verticals not exposed to wind pressure.
(A) Continuous lateral bracing equally spaced on member.
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

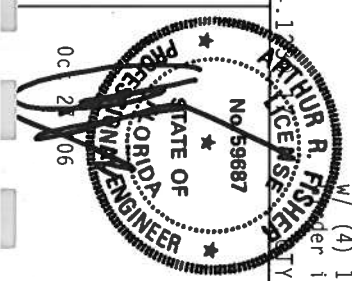
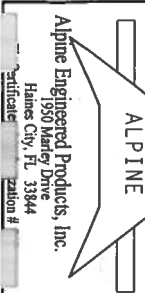


PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.13

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RIGID CEILING. 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 AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/1604 (W/H/S/K) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY 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 BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R487 - 17243
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUR487 06299022
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT. LD.	40.0 PSF	SECN- 134541
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1T1S487_201

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

Wind reactions based on MMFRS pressures.

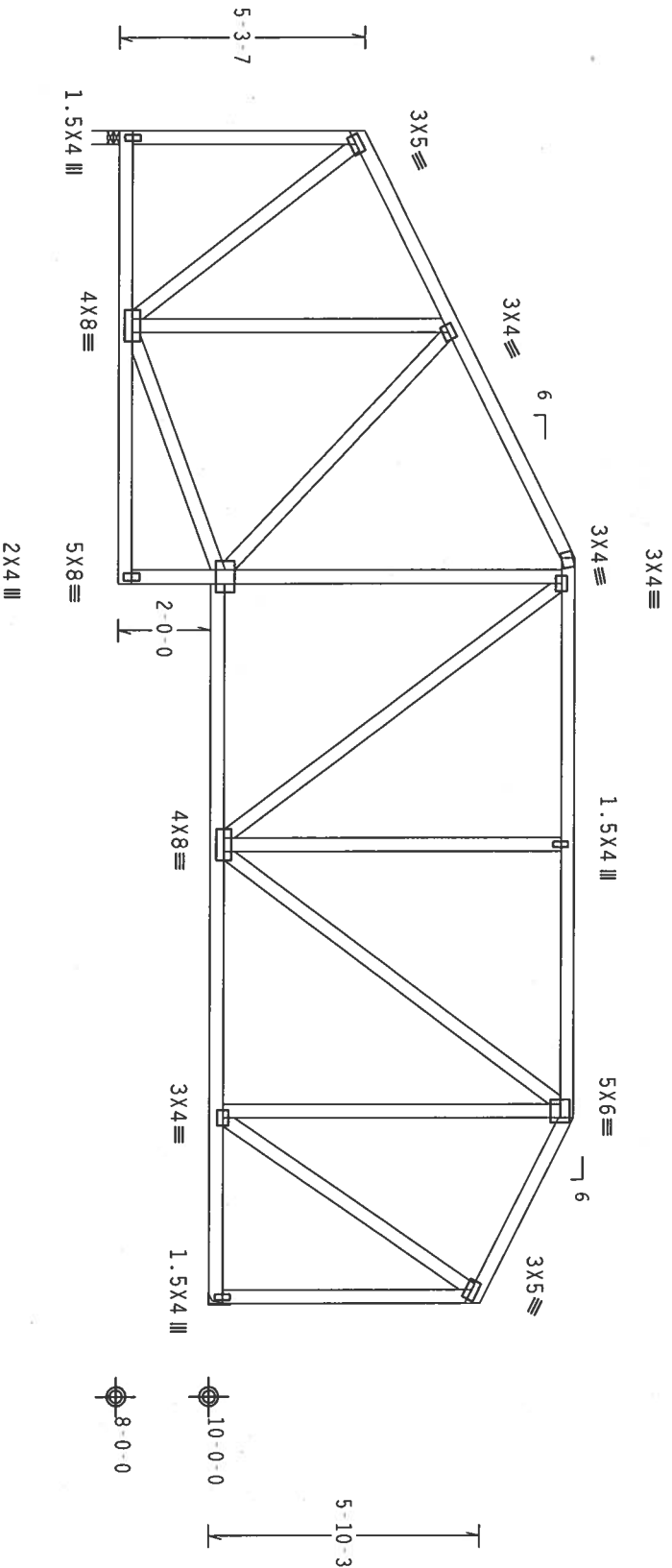
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

110 mph wind, 15.57 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



PLT TYP. Wave

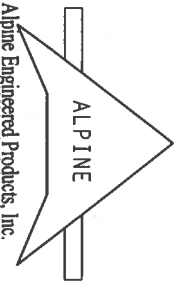
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGNER'S BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 985 DOWNSBORO RD., SUITE 100, DOWNSBORO, VT 05237) FOR SAFETY PRACTICES PRIOR TO PERFORMING TRUSS CONSTRUCTION. 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.

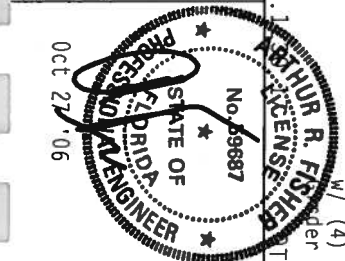
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/X) 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.



Alpine Engineered Products, Inc.
1950 Marney Drive
Haines City, FL 33944

License # 24000 #



R-1035 U=180 H=Simpson LUS26
W/ (4) 10d Common, 0.148"x3.0" nails in Truss
W/ (4) 10d Common, 0.148"x3.0" nails in Girder
Under is (1)2X6 min. So.Pine

Scale = .25" / Ft.

TC LL	20.0 PSF	REF R487 - 17244
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUSR487 06299023
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 134530
DUR.FAC.	1.25	
SPACING	24.0"	
DRF	1715487_201	

Wind reactions based on MWFRS pressures.

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

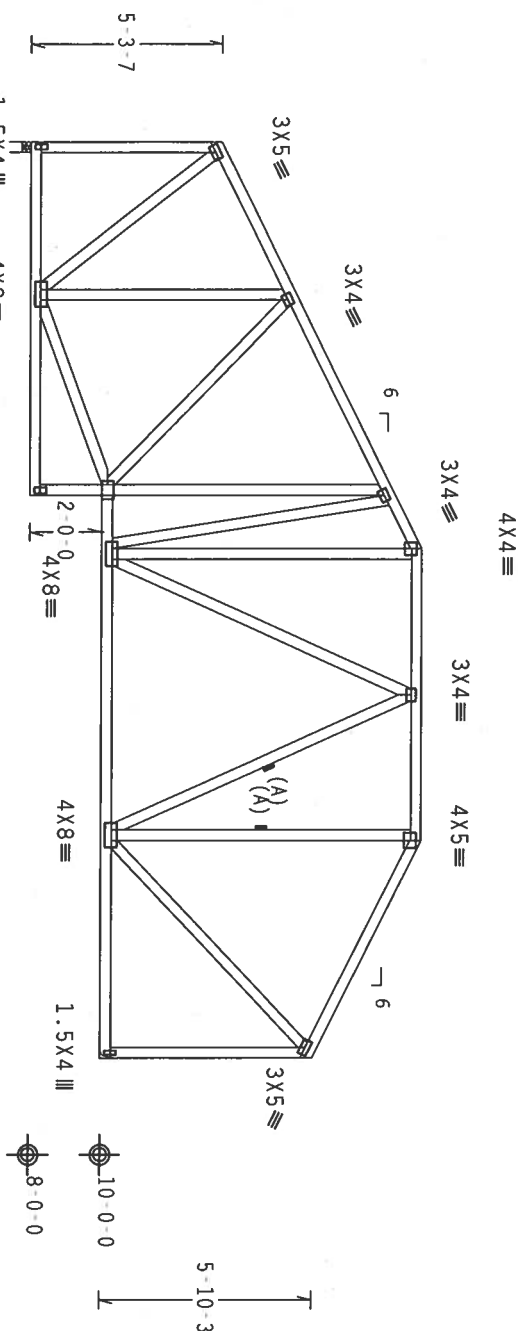
Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

110 mph wind, 16.07 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/10(0) \quad 7.24$$

7.24

STY:1 FL/-/4/-/-/R/-

Scale = .1875"/ft.

*WARNING-- THESE REQUIRE EXPERTISE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (TRUSS PLATE INSTITUTE, 5830 D'ORLANDO BL., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE IN MADISON, WI 53719) FOR SAFETY PRACTICES RELATIVE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED IN 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; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINEONE

CONNECTION PLATES MADE OF 20/18/16GA (W.H./S/L) ASTM A563 GRADE 40/60 (K./H.S) GALV. STEEL. APPLIC. TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-22. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF 1911-2002 SEC.3.3. A SEAL ON THIS SIDE DRAWING INDICATES ACCEPTANCE OF PROTECTIVE ENGINEERING RESPONSE TO THE ISSUE. *****

OWNING INDUSTRIES ACCOUNTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SUITABLE FOR THE IRON COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2

STATE OF FLORIDA
PUBLIC ENGINEER
No. 59687
JAN 21 2006

R=1035 U=180 H=Simpson LUS26
W/ (4) 10d Common, 0.148"x3.0" nails in Truss
W/ (4) 10d Common, 0.148"x3.0" nails in Girder
1)2x6 min. So.Pine

TC LL	20.0 PSF	REF	R487 - - 17245
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUSR487 06299024
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	134512
DUR.FAC.	1.25		

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

Wind reactions based on MMFRS pressures.

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

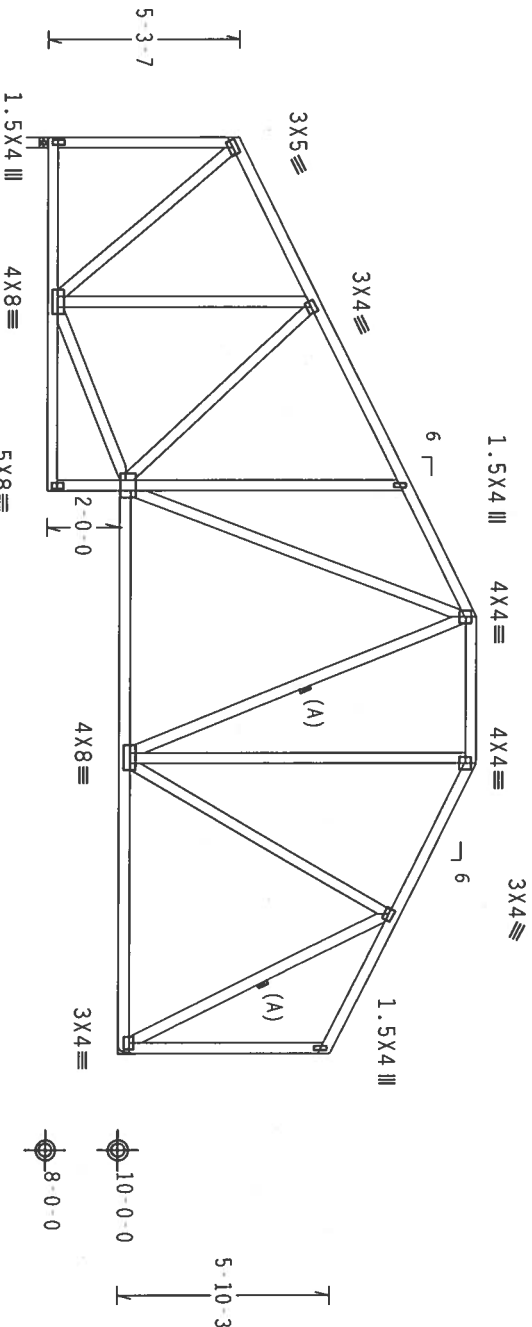
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 16.57 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24.1

WARNING TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 MADISON AVE, SUITE 100, MADISON, WI 53703, AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53703) FOR BEST PRACTICES. 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 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ASCE) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/19/16GA (W/H/S/X) 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 16DA-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 SUSTAINABILITY 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 Marney Drive

Haines City, FL 33944

Station #

R-1035 U-180 H-Simpson LUS26
W/ (4) 10d Common, 0.148"x3.0" nails in Truss
W/ (4) 10d Common, 0.148"x3.0" nails in Girder
2X6 min. So. Pine

Scale = .1875"/ft.

FL/-/4/-/R/-

REF R487- 17246

TC LL 20.0 PSF

DATE 10/26/06

TC DL 10.0 PSF

DRW HCUR487 06299025

BC DL 10.0 PSF

HC-ENG DAL/AF

BC LL 0.0 PSF

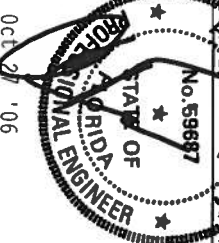
SEQN- 134502

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

DRWF- 1715487_201



110 mph wind, 15.22 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP 8, 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.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



R=1268 U=180 H=Simpson HUS26

is (1) 2X6 min. So. Pine

Scale = .1875" / Ft

$$\leq$$

2

Alpine Engineered Products, Inc.

1950 MARLEY DRIVE
HAINES CITY, FL 33844
Certificate #

TC LL	20.0 PSF	REF R487 - 17247
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUR487 06299026
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEON - 134491
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1715487_201

10P chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

Calculated horizontal deflection is 0.10" due to live load and 0.16" due to dead load.

(A) Continuous lateral bracing equally spaced on member.

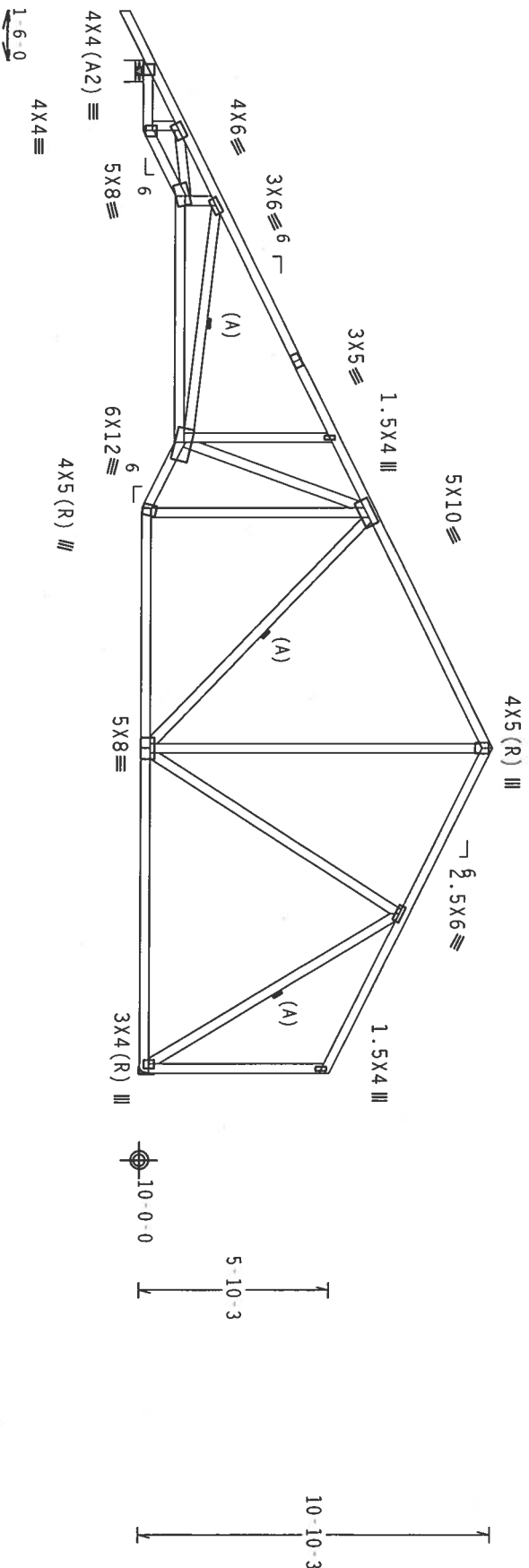
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.22 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, Wind TC DL-5.0 psf, wind BC DL-5.0 psf.

Right end vertical not exposed to wind pressure.

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

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



21'-0" 2'-0" 7'-6" 2'-0" 17'-4" 10'-0" 31'-0" Over 2 Supports
R-1393 U-180 W-8"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

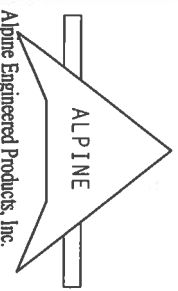
Cq/RT=1.00(1.25)/10(0) 7.24.12

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFRIGERATED TRUSSES MUST BE PROTECTED FROM EXCESSIVE HEAT AND MOISTURE. 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-2002 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI-2002. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (M/H/S) ASTM A653 GRADE 40/60 (M. 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.3.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. PROVIDE THE SUSTAINABILITY 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



R-1270 U-180 H-Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
is (1)2X6 min. So. Pine

Scale = .1875"/ft.

TC LL	20.0 PSF	REF R487-- 17248
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUSR487 06299027
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 134480
DUR.FAC.	1.25	
SPACING	24.0"	JRFF- 1715A87_201

Top chord 2x4 SP #2 Dense :T3 2x8 SP SS:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -1.50 to 62 PLF at 27.67
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 22 PLF at 23.00 to 22 PLF at 27.00
TC - From 20 PLF at 27.00 to 20 PLF at 27.67
TC - 459 LB Conc. Load at 7.06
TC - 187 LB Conc. Load at 9.06, 11.06, 12.60, 14.60
BC - 431 LB Conc. Load at 7.00
BC - 82 LB Conc. Load at 9.06, 11.06, 12.60, 14.60
BC - 832 LB Conc. Load at 16.60

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

4 COMPLETE TRUSSES REQUIRED

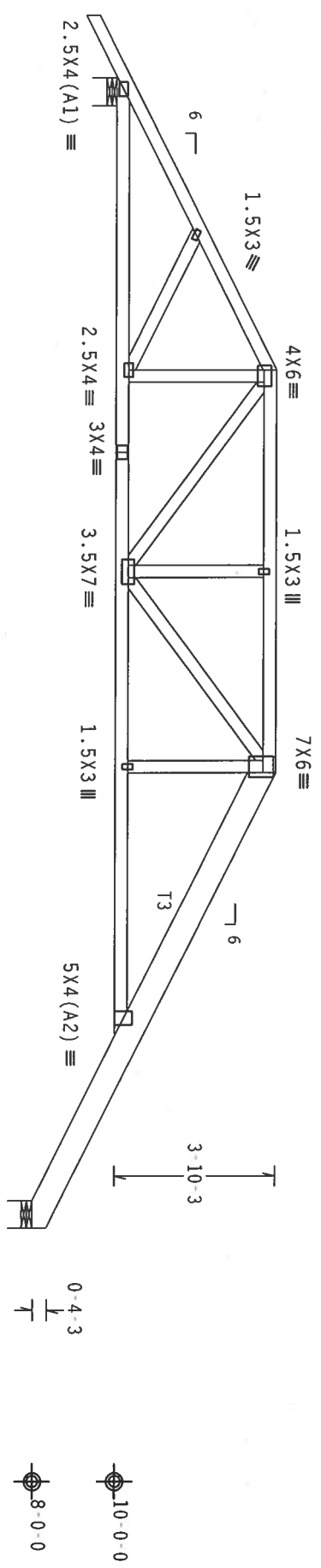
Nailing Schedule: (12d Common, (0.148"x3.25", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting. Apply Simpson's 1/4"x6.0" SDS Wood Screws to top and bottom chord at 24.0" OC on the loaded side of girder.

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

Wind reactions based on MMFRS pressures.

Calculated horizontal deflection is 0.19" due to live load and 0.29" due to dead load.

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

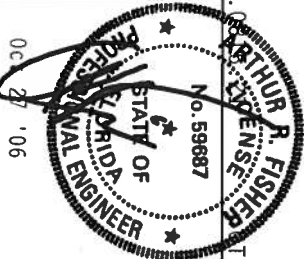


1'-6-0"
7'-0-0"
9'-8-0"
6'-3-10"
27'-8-0 Over 2 Supports
R=2815 U-630 W=8"
R=2373 U-535 W=8"

PLT TYP. Wave
Design Cmt: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.31.00

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. SEE TPI-2002(STD) FOR ADDITIONAL INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 DUNFORD DR., SUITE 100, MARION, WI 53579) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. 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 ASCE) AND TPI.



FL / - / 4 / - / - / R / -		Scale = .25" / ft.	
TC LL	20.0 PSF	REF	R487 - 17249
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCSR487 06299028
BC LL	0.0 PSF	HC-ENG	DAL / AF
TOT. LD.	40.0 PSF	SEQN-	12664 REV
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1T1S487_201

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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.

Wind reactions based on MMFRS pressures.

(J) hanger connection not found in inventory file for this condition. Provide connection.

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

2 COMPLETE TRUSSES REQUIRED

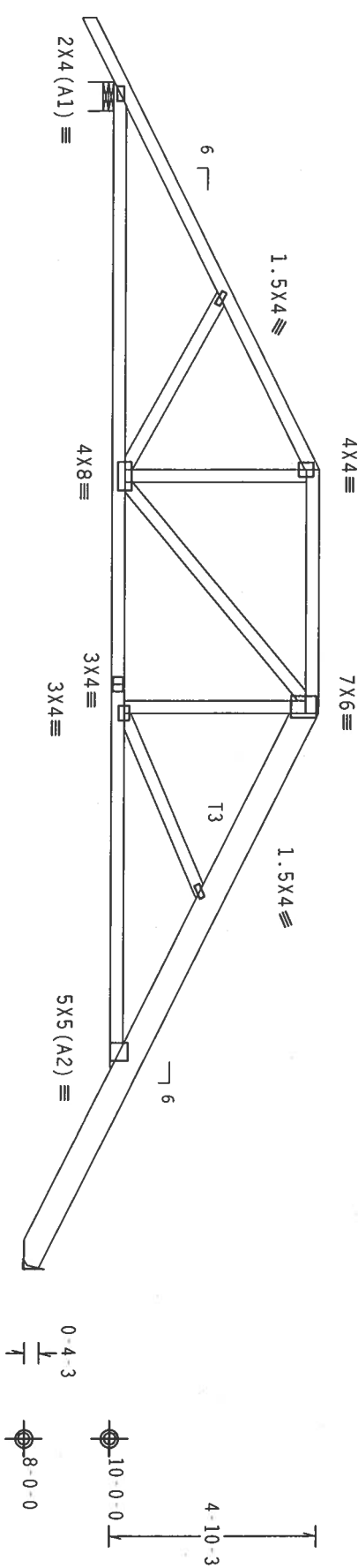
Nailing Schedule: (12d Common (0.148"x3.25", min.) nails)

Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs: 1 Row @ 4" o.c.

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

Calculated horizontal deflection is 0.17" due to live load and 0.27" due to dead load.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



1-6-91
9-0-0
5-8-0
8-3-10
27-8-0 Over 2 Supports
R-1239 U-180 W-8"
R-1149 U-180 (J)

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.12

FL/-14/-1/R/-

Scale = .25"/ft.

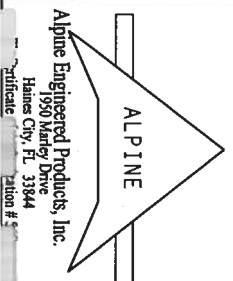
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 563 O'CONNOR DR., SUITE 200, MADISON, WI 53719, AND AISC (AISC) TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN, FARMINGTON, CT 06031, FOR ADDITIONAL TRUSS CONNECTIONS. 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.

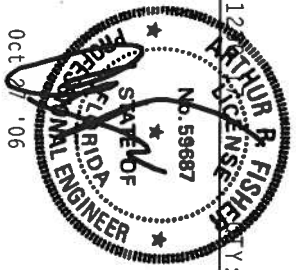
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN OR FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&A) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S) 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 16GA-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 - 17250
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUSR487 06299029
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEGN- 134708
DUR.FAC.	1.25	
SPACING	24.0"	JRFF- 1715487-201



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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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.

Wind reactions based on MMFRS pressures.

(J) hanger connection not found in inventory file for this condition. Provide connection.

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

2 COMPLETE TRUSSES REQUIRED

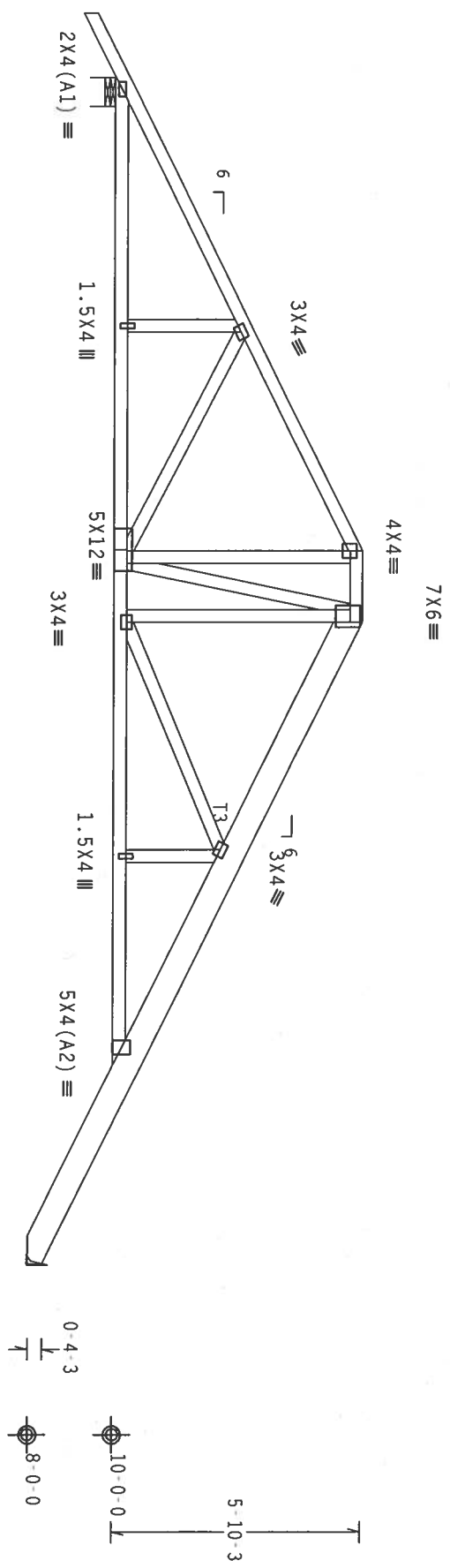
Nailing Schedule: (12d Common (0.148"x3.25", min.) nails)

Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.

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

Calculated horizontal deflection is 0.18" due to live load and 0.28" due to dead load.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

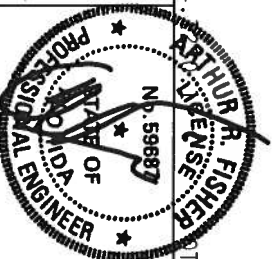


PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
CQ/RT=1.00(1.25)/10(0) 7.24

****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BOSS 1-200 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 HENDERSON, MI 48170) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE DUTIES. THE TRUSS DESIGNER 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 AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S) ASTM A653 GRADE 40/60 (K, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. 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.



Alpine Engineered Products, Inc.
Haines City, FL 33844
Attention #5

STY:1	FL/-/4/-/-/R/-	Scale = .25"/ft.
TC LL	20.0 PSF	REF R487- 17251
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUR487 06299030
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT. LD.	40.0 PSF	SEON- 134738
DUR. FAC.	1.25	
SPACING	24.0"	DEFF- 1715487_201

Oct 27 '06

JRFF- 1T1S487_Z01

Top chord 2x4 SP #2 Dense :12 2x8 SP SS:
 Bot chord 2x4 SP #2 Dense
 Webs 2x4 SP #3

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

Wind reactions based on MMFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

2 COMPLETE TRUSSES REQUIRED

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

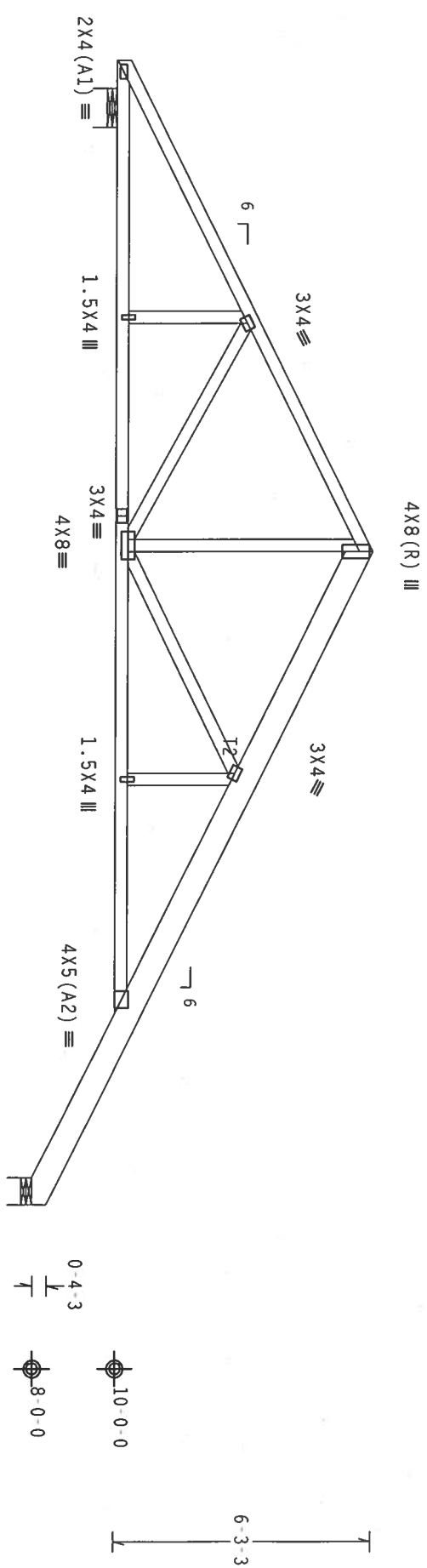
Top Chord: 1 Row @12.00" o.c.
 Bot Chord: 1 Row @12.00" o.c.

Webs : 1 Row @ 4" o.c.

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

Calculated horizontal deflection is 0.15" due to live load and 0.24" due to dead load.

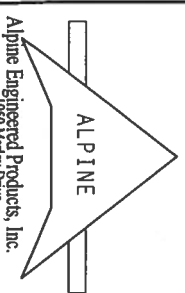
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



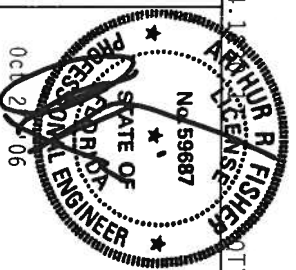
PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO EACH 100' (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 563 DIXIE AVE., SUITE 100, WILSON, NJ 07094, AND THE TRUSS CHORD OF AMERICA, 6500 ENTERPRISE LN., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIVITIES. THE 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 THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY ACPA AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1664 (4" H/5" X) ASTM A653 GRADE 40/60 (K, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. 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.



Alpine Engineered Products, Inc.
 1990 Marley Drive
 Haines City, FL 33844
 Phone # 888-243-2434
 Fax # 888-243-2434



SPACING	24.0"	URFE-1T1S487-201
TOT. LD.	40.0 PSF	SEQN-134769
BC DL	10.0 PSF	HC-ENG DAL/AF
BC LL	0.0 PSF	
TOT. LD.	40.0 PSF	
DUR. FAC.	1.25	
SPACING	24.0"	

FL / - / 4 / - / - / R / -	Scale = .25" / Ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT. LD.	40.0 PSF
DUR. FAC.	1.25
SPACING	24.0"

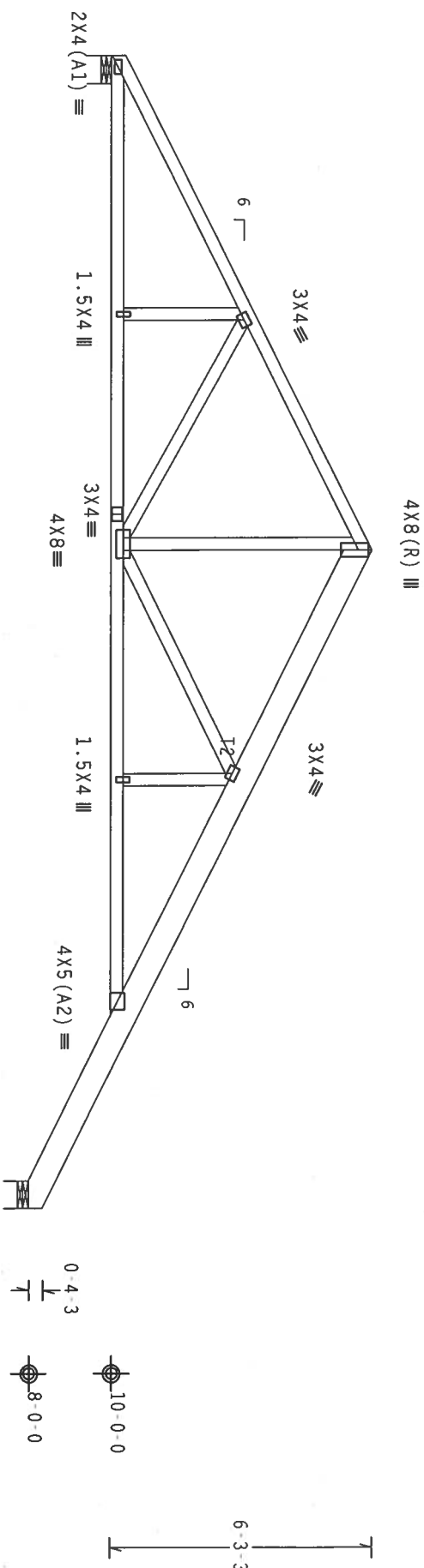
REF	R487-17253
DATE	10/26/06
DRW	HCSR487 06299032
HC-ENG	DAL/AF
SEQN	134769

2 COMPLETE TRUSSES REQUIRED
Nailing Schedule: (12d Common @ 0.148"x3.25",

```
Nailing Schedule: (12d Common (0.148"x3.25",_min.))_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs      : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.
```

Calculated horizontal deflection is 0.15" due to live load and 0.25" due to dead load.

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



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

Cq/RT=1.00(1.25)/10(0) 7.24.12

FL/4/R/

Scale = .25"/Ft.

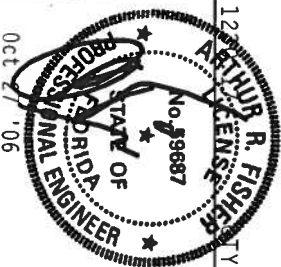
*"MAINTAINING" PURPOSES REQUIRE EXTERIOR CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO RC521 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 509 S. D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD ROSS COUNCIL OF AMERICA, 6500 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 LIGID CEILING.

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

ALPINE

Alpine Engineered Products, Inc.
1050 Madison Drive

Haines City, FL 33844
Certification #



TC LL	20.0 PSF	REF	R487 - 17254
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUSR487 06299033
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	134761
DUR.FAC.	1.25		
SPACING	24.0"	UREF-	1T1S487_201

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

2 COMPLETE TRUSSES REQUIRED

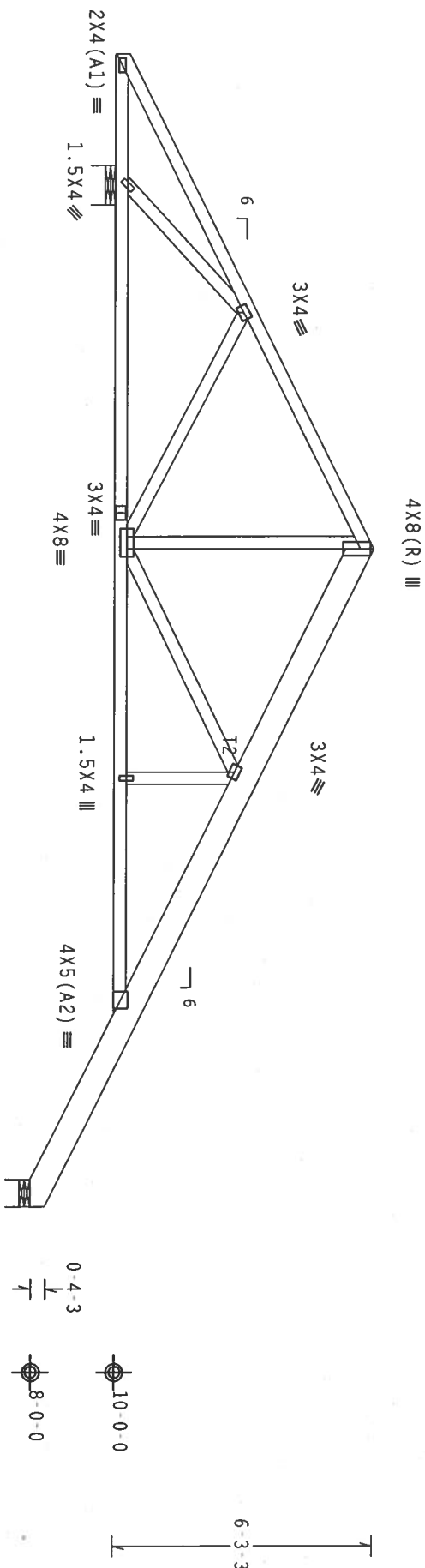
Nailing Schedule: (12d Common (0.148"x3.25", min.)_nails)

Top	Chord:	1	Row	@12.00	* 0.c.c.
Bot	Chord:	1	Row	@12.00	* 0.c.c.

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

Calculated horizontal deflection is 0.12" due to live load and 0.20" due to dead load.

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



PLT TYP. Wave

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

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

Scale = .25"/Ft.

*WARNING: *PROCESSES REQUIRE EXPERT CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC31 1-10 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TROSS LULU INSTITUTE, 5801 O'DONOFIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE IN MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LIGID CEILING.

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

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & GRACING

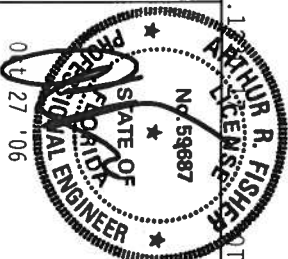
CONNECTOR PLATES ARE MADE OF 20/10/16GA (N, H/S/K) ASTM A653 GRADE 40/50 (N, K/H,S) GALV. STEEL. APPLY

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TOWER COMPONENT AND INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF 1911-2002 SEC.3. A SEAL ON THIS

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
 1950 Meyer Drive
 Haines City, FL 33844
 Certificate # _____
 Station # _____

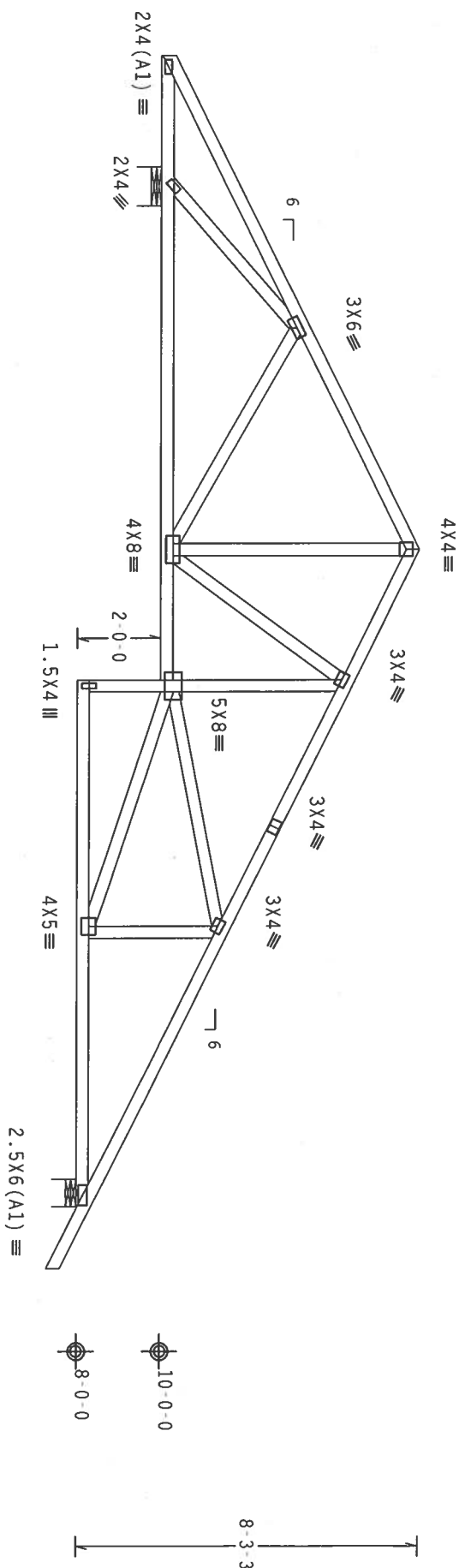


TC LL	20.0 PSF	REF	R487 - 17255
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCSR487 06299034
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	134777
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1715487_201

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



2-8-0

$$\overleftrightarrow{11.60}$$

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

$$Cq/RT=1.00(1.25)/10(0)$$

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

Scale = .25"/Ft.

WARNING: TRUSS BUILDING EXTERIOR CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BC51-1-03 (REBUILDING COMPETENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 563 D'ONOFRIO BL., SUITE 200, MADISON, WI 53715, AND WCA (WOOD JOINTS COUNCIL OF AMERICA), 6500 ENTERPRISE, IN MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO REPAIRING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANTS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LIGOID CEILING.

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

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

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

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

DESIGN SHOWN. THE SOLIDABILITY 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.
1590 Hatterly Drive
Haines City, FL 33844
Certificate # Zallion #

Haines City, FL 33844

Station #



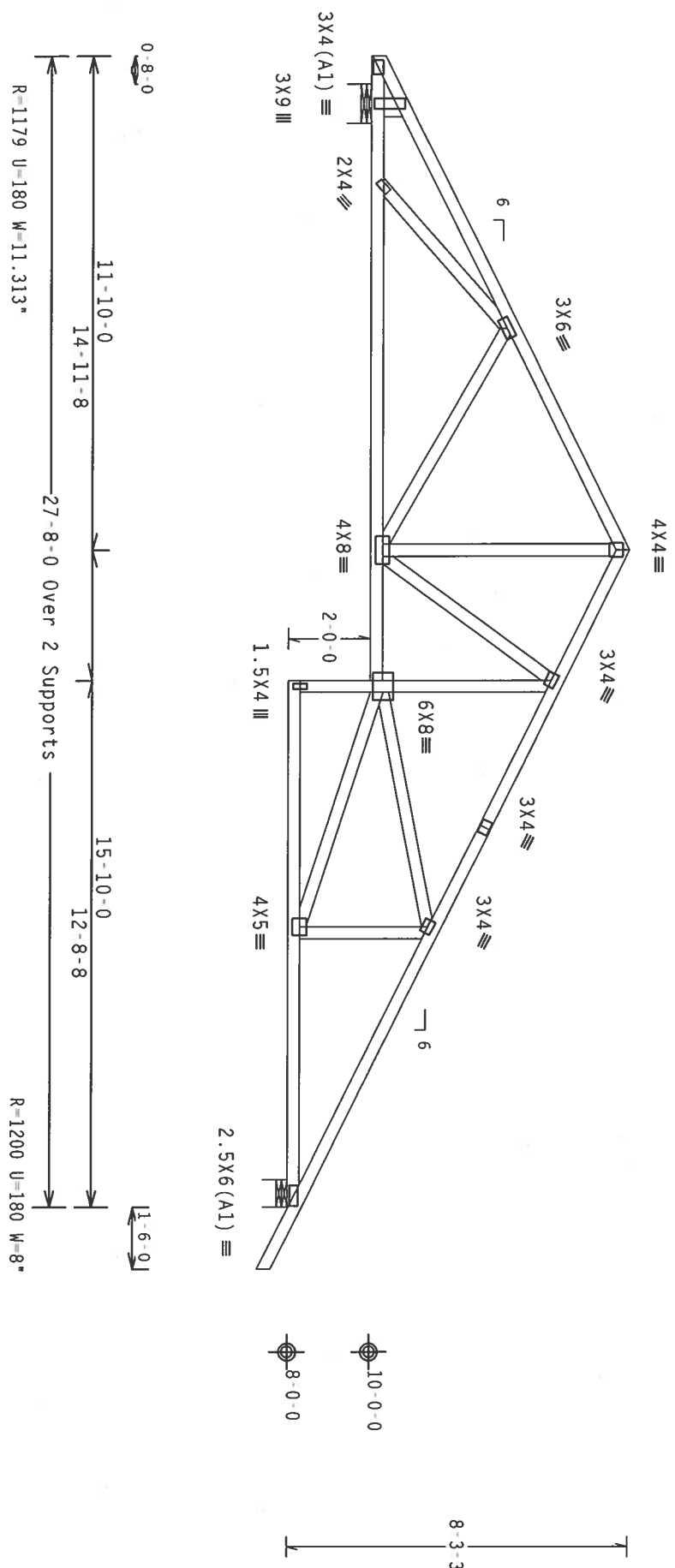
TC LL	20.0 PSF	REF	R487-- 17257
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCSR487 06299036
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEON-	134799
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T13487_201

JREF - 1T1S487_Z01

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

In lieu of structural panels or rigid ceiling use purlins to
 brace TC @ 24" OC, BC @ 24" OC.

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



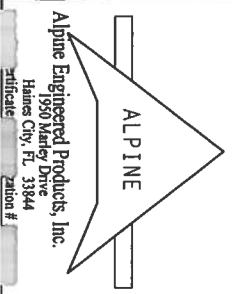
PLT TYP. Wave

Design Cr1t: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/10(0) 7.24.1

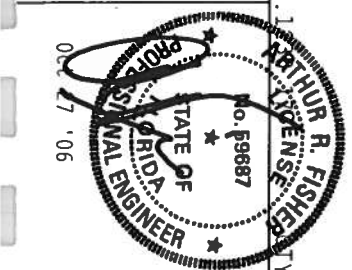
Scale = .25" / Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
 REFER TO BEST 103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503
 OAKWOOD BLVD., SUITE 200, FARMINGTON, CT 06031) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN,
 OAKWOOD BLVD., SUITE 200, FARMINGTON, CT 06031) FOR 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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.
 PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ALPINE ENGINEERED
 TRUSSES IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
 DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI.
 CONNECTION PLATES ARE MADE OF 20/18/16GA (W-U/S/H) ASTM A653 GRADE 40/50 (W, K/H-S) GALV. STEEL. APPLY
 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, Z.
 ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. 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.



Alpine Engineered Products, Inc.
 1950 Valley Drive
 Haines City, FL 33844
 Tel: 888-222-2222
 Fax: 888-222-2222
 Website: www.alpine-engineered.com



TC LL	20.0 PSF	REF R487 - 17258
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUSR487 06299037
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 134807
DUR.FAC.	1.25	
SPACING	24.0"	

JPREF- 1715A87_201

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3 :W2, W7, W8 2x4 SP #2 Dense:

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 30.25
BC - From 20 PLF at 0.00 to 20 PLF at 28.75
BC - From 4 PLF at 28.75 to 4 PLF at 30.25
PLB - 1270 LB Conc. Load at (1.69,10.04)
PLB - 1268 LB Conc. Load at (3.69,10.04)
PLB - 1035 LB Conc. Load at (5.69,10.04)
(11.69,10.04), (13.69,10.04), (15.69,10.04)
PLB - 1005 LB Conc. Load at (17.69,8.04), (19.69,8.04)
PLB - 2125 LB Conc. Load at (21.69,8.04)

Left end vertical not exposed to wind pressure.

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

3 COMPLETE TRUSSES REQUIRED

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

Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 4.25" o.c.
Webs : 1 Row @ 4" o.c.

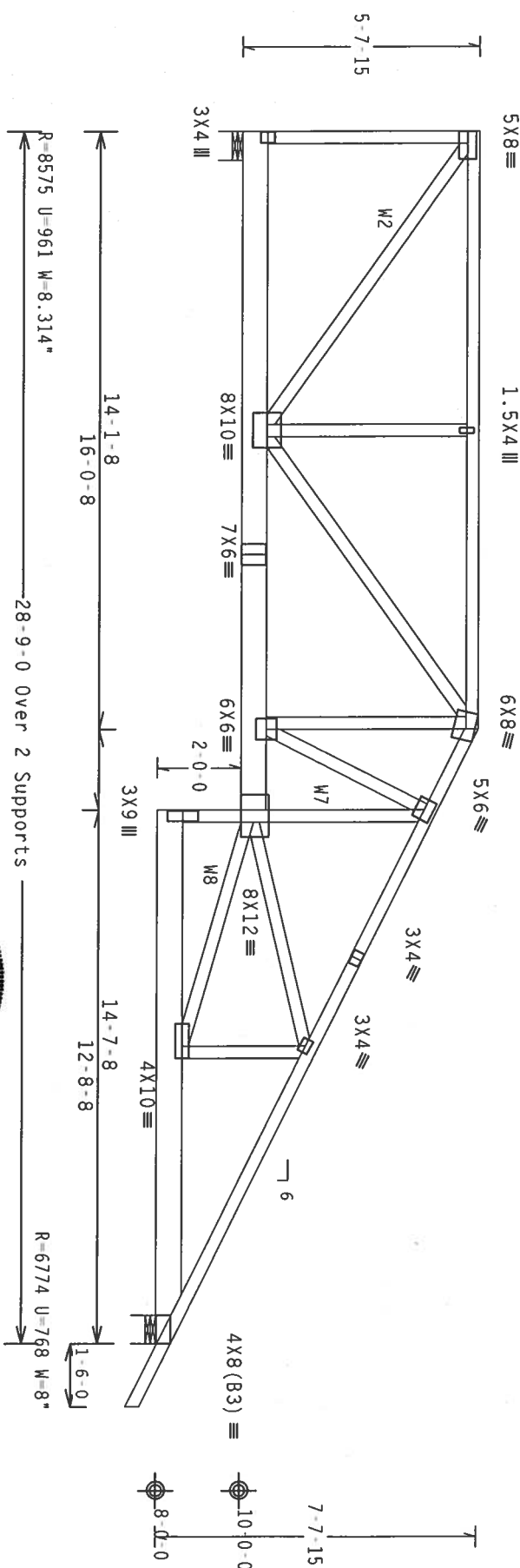
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, 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.

Wind reactions based on MMFRS pressures.

Max JT VERT DEFL: LL: 0.21" DL: 0.31" recommended camber 1/2"

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

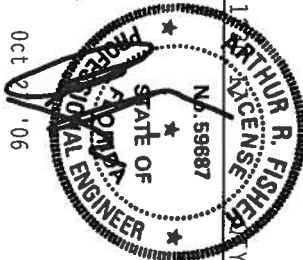
7.24.1

Scale = .25"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REPAIRS TO TRUSSES SHALL BE APPROVED BY THE TRUSS MANUFACTURER. TRUSSES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
1950 Marley Drive
Haines City, FL 33844
Telephone # 888.222.2222

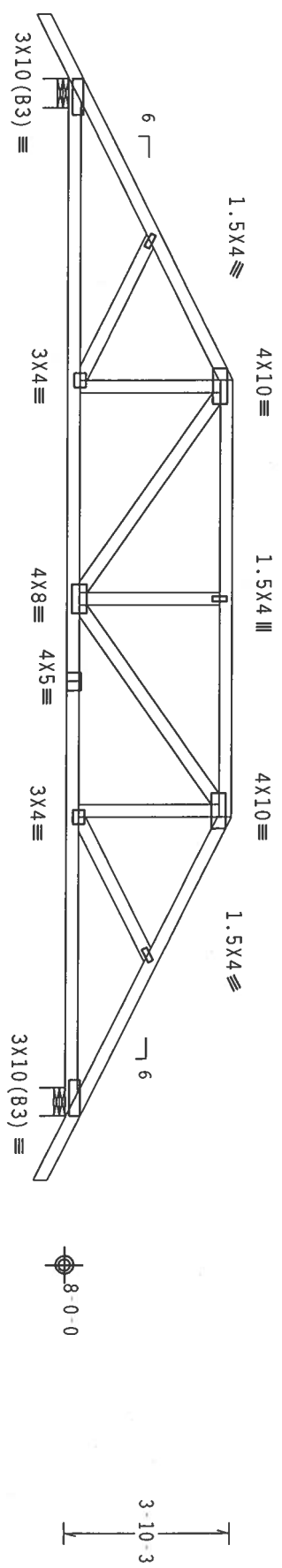


TC LL	20.0 PSF	REF	R487-- 17259
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUSR487 06299038
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	134835
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1715487_201

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

Wind reactions based on MMFRS pressures.
#1 hip supports 7-0-0 jacks with no webs.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



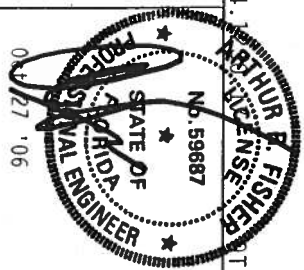
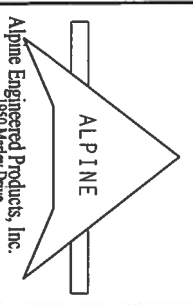
1.6-0
7-0-0
10-2-0
7-0-0
1.6-0
24-2-0 Over 2 Supports
R=2057 U-194 W-8"
R=2057 U-194 W-8"

PLT TYP. Wave
Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00(1.25)/10(0) 7.24
Scale = .25"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BC31-1003 BUILDING CODE AND SAFETY PRACTICES FOR TRUSSES. (SEE P. 1003) FOR MORE INFORMATION. MAISON, #1 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-2002 (STD) / FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLATION AND BRACING DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIAA 1603 (4) AND AIAA 1603 (5) GALT, STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1603 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 BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



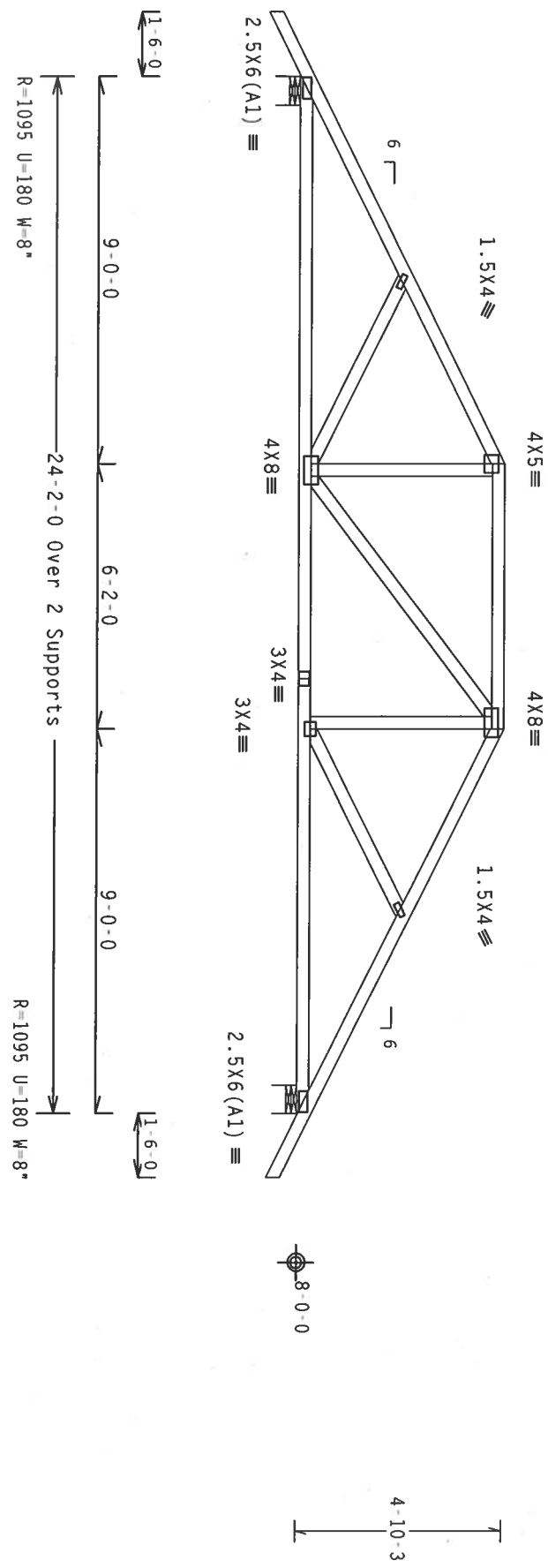
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TC DL	10.0 PSF	DATE	10/26/06	
BC DL	10.0 PSF	DRW	HCUSR487	06299039
BC LL	0.0 PSF	HC-ENG	DAL/AF	
TOT. LD.	40.0 PSF	SEQN-	134153	
DUR. FAC.	1.25			
SPACING	24.0"			
JPEF	1T1S487_201			

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

Wind reactions based on MMFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

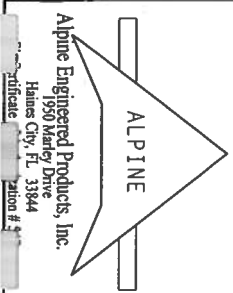
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

FL/-/4/-/R/-

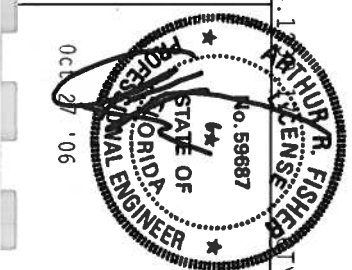
Scale = .25"/ft.

WARNING TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO SECS. 1.00 THROUGH 1.05 AND 1.10 THROUGH 1.15 OF THE TPI CROSS PLATE INSTITUTE'S 503 D-CORROSION PREVENTION MANUAL, SUITE 200, MADISON, WI 53713, AND WICK 10000 THESE INSTRUCTIONS. 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 AF&PA) AND TPI. ALPINE CONNECTIONS ARE MADE OF 20/18/16GA (W/H/S/K) 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-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 AND 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. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTIONS ARE MADE OF 20/18/16GA (W/H/S/K) 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-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 AND 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--	17261
TC DL	10.0 PSF	DATE	10/26/06	
BC DL	10.0 PSF	DRW	HCUSR487	06299040
BC LL	0.0 PSF	HC-ENG	DAL/AF	*
TOT. LD.	40.0 PSF	SEON-	134159	
DUR. FAC.	1.25			
SPACING	24.0"			

JBEE-1715487_201

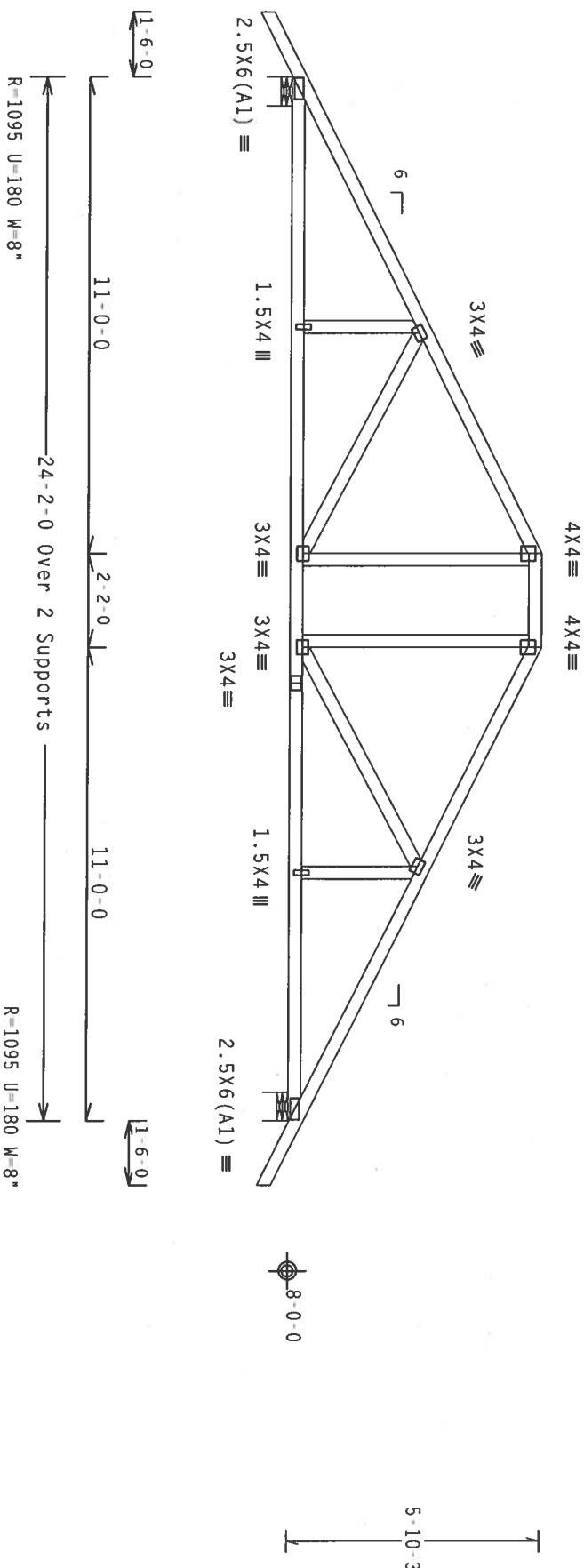
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

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

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12

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

Scale = .25"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31-103 (BUILDING COMPONENT SAFETY INFORMATION), SECTION 6.200, EXTERIOR, FOR ADDITIONAL INFORMATION. MAISON, WI 53219, AND NCEA (NATIONAL COUNCIL OF AERIAL ENGINEERING) FOR ADDITIONAL INFORMATION. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

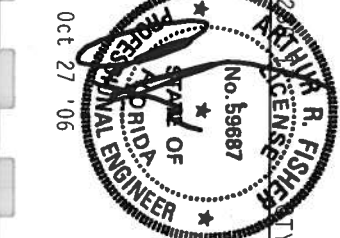
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. A FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHALL BE AFFIXED TO THE BOTTOM CHORD OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Alpine Engineered Products, Inc.

1990 Marley Drive
Haines City, FL 33844

Telephone # 888-255-2555



TC LL	20.0 PSF	REF R487-17262
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUR487 06299041
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT. LD.	40.0 PSF	SEQN- 134163
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1TJSAR7_201

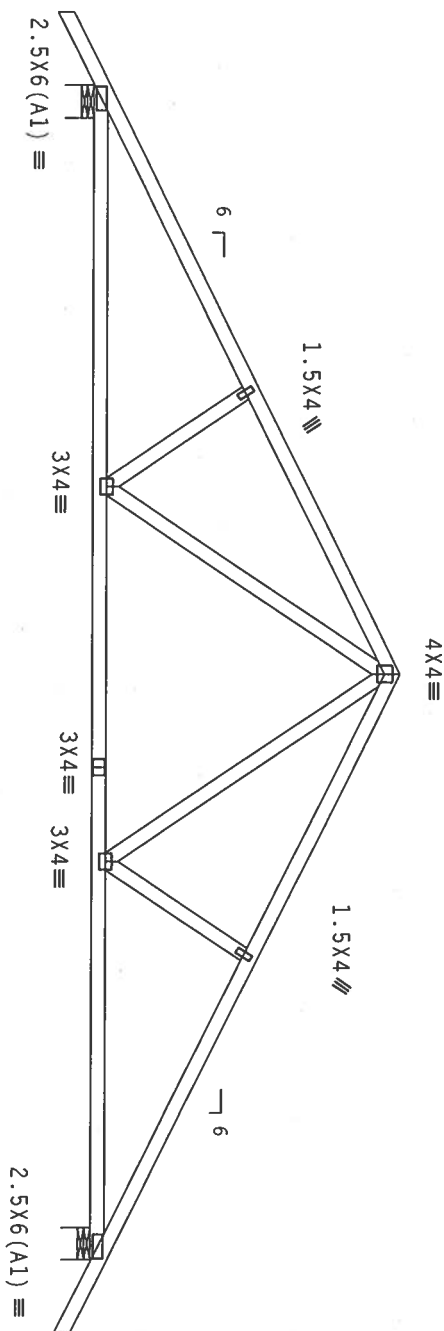
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

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

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

TY:1 FL/-/4/-/-/R/-

Scale = .25"/ft.

WARNING TRUSSES REQUIRE EXTENSIVE INFORMATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFERENCE TO THE TRUSS MANUFACTURER'S INFORMATION, PUBLISHED BY THE TRUSS MANUFACTURING INSTITUTE, 563 DUNFORD 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. 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 AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE

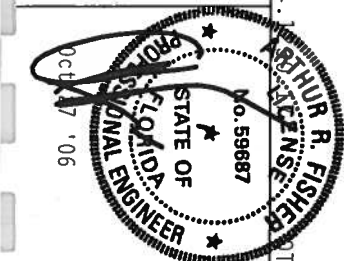
CONNECTOR PLATES ARE MADE OF 2018/166A (W.H/SX) ASTM A653 GRADE 40/60 (K, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. A SEAL ON THIS DESIGN SHALL BE THE SOLE RESPONSIBILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX 1 SEC. 2.



Alpine Engineered Products, Inc.
1990 Marley Drive
Haines City, FL 33844

License # 5-1



TC LL	20.0 PSF	REF	R487 - 17263
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCSR487 06299042
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT. LD.	40.0 PSF	SECN	134168
DUR. FAC.	1.25		
SPACING	24.0"		

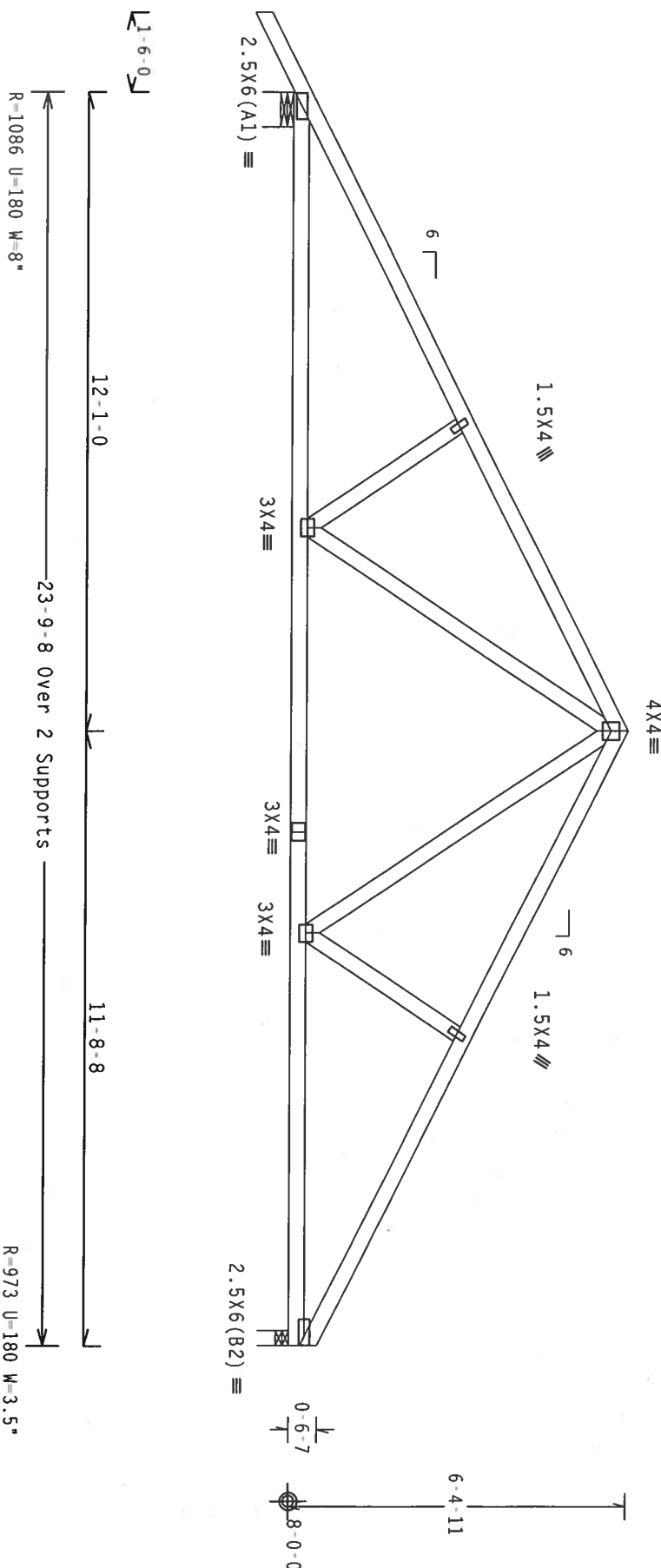
JREF- 1T1S487_201

10P chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24

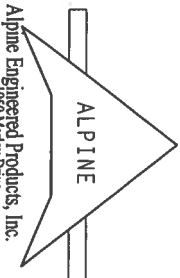
STY:1

FL/-/4/-/R/-

Scale = .3125"/Ft.

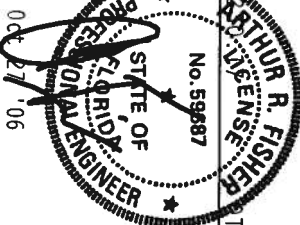
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE TPI TRUSS PLATE INSTITUTE, 583 DUNSTON DR., SUITE 200, MADISON, WI 53719, AND FOLLOW THE INSTRUCTIONS FOR THE TPI TRUSS PLATE INSTITUTE, 583 DUNSTON DR., SUITE 200, MADISON, WI 53719, FOR SAFETY 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. 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 AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (M/H/S/K) ASTM A653 GRADE 40/60 (M, 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.3.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING INDICATES THE SUSTAINABILITY 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 Money Drive
Haines City, FL 33844

Office: 813-939-1111
Fax: 813-939-1112



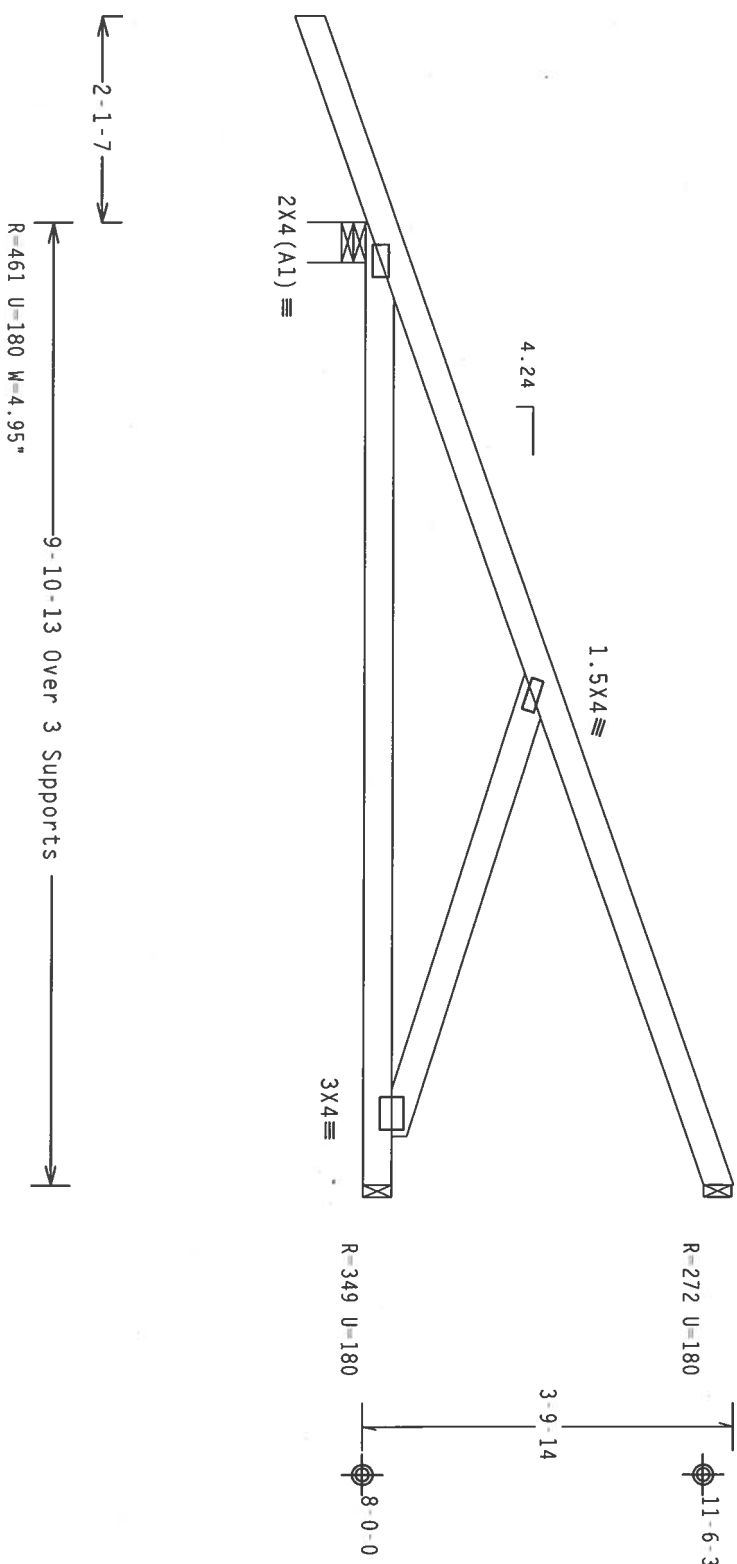
TC LL	20.0 PSF	REF R487-- 17264
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUSR487 06299043
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 134175
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1715487_201

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

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



PLT TYP. Wave

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

$$Cq/RT=1.00(1.25)/10(0)$$

PROPERTY: 1

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

Scale = .5"/Ft.

WARNING FRUSES RESIDUE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO GC51.1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 O'NEAL DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE, IN MADISON, WI 53719) FOR SAFETY PRACTICES RELATIVE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TIGHTENING ROD.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING

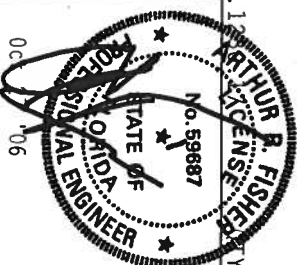
CONNECTOR PLATES ARE MADE OF 20/18/16GA (M, H/S/K) ASTM A653 GRADE 40/60 (M, K/H,S) GALV. STEEL. APPLY

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS

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

[illegible]

Alpine Engineered Products, Inc.
 1980 Marler Drive
 Haines City, FL 33844



TC LL	20.0 PSF	REF	R487 - 17265
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCSR487 06299044
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	134148
DUR.FAC.	1.25		
SPACING	24.0"	DRFF-	1T1S487_201

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

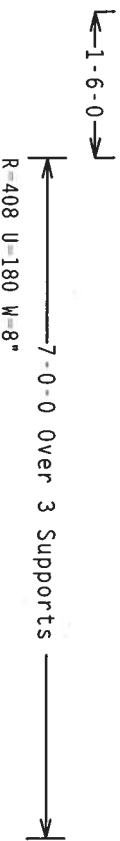
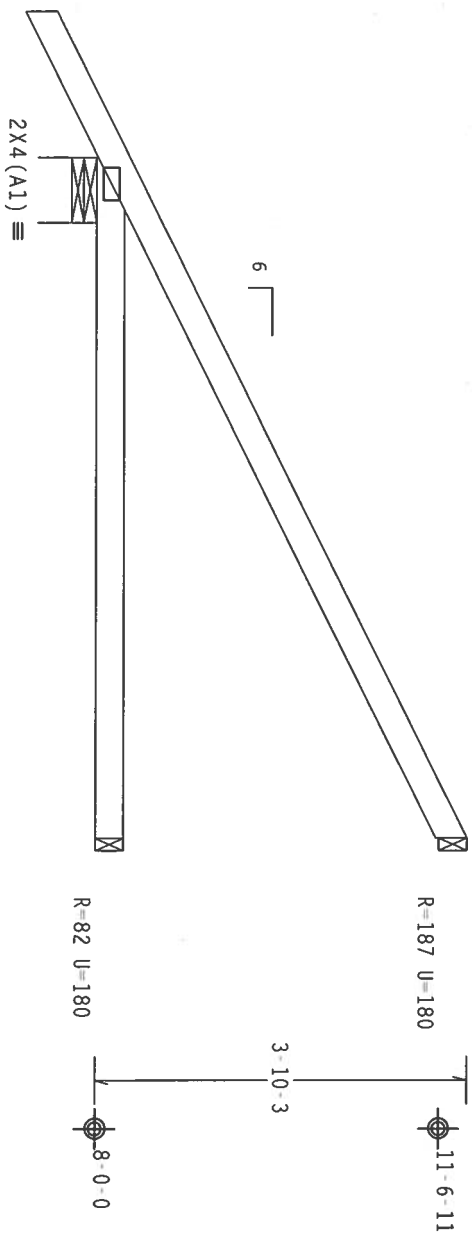
Wind reactions based on MWFRS pressures.

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

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

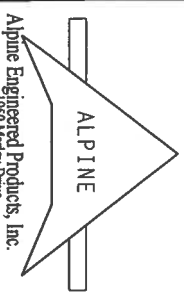
7.24.1

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

Scale = .5"/ft.

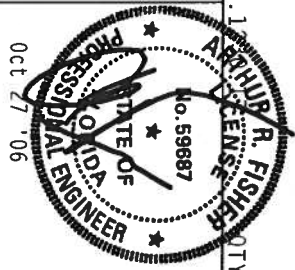
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. DESIGN TO BEST 1/3 OF BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 593 HAWKINS RD, WILSON, NC 27157) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, 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 ASEP) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/50 (W. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-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 SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

Permit # 24000 #



TC LL	20.0 PSF	REF	R487 - 17266
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUSR487 06299045
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	16944
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T1S487_201

Wind reactions based on MWFRS pressures.

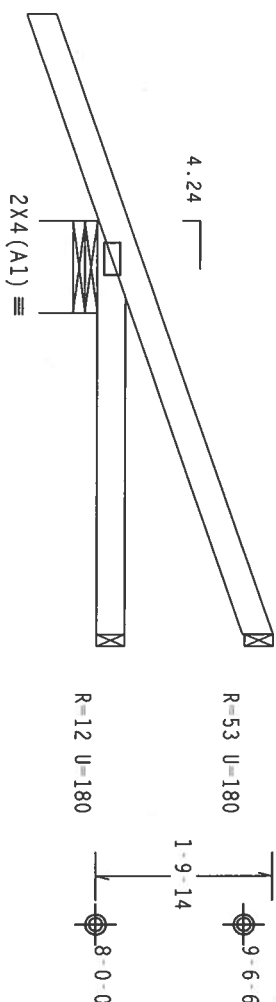
Hipjack supports 3-0-0 setback jacks with no webs.

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

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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


$$\overleftrightarrow{2-1-7}$$

← 4-2-15 Over 3 Supports →
R=218 U=180 W=11.314"

PLT TYP. Wave

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

 $Cq/RT=1.00(1.25)/10(0)$

1. TITLE: SHEET: 1

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

Scale = .5"/Ft.

*WARNING: * * * PROSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO GC51 1-0 (BUILDING CONCRETE SKELETON INFORMATION), PUBLISHED BY TPI (TRUSS PLANET INSTITUTE, 5800 O'CONNOR DR., SUITE 200, MALDEN, WI 53729), AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 5300 ENTERPRISE, MALDEN, WI 53729) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TIGHTENED CEILING.

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

TRUSS IN CONFORMANCE WITH TPI:

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI

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

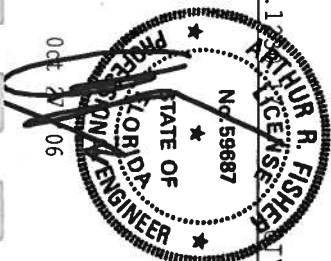
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY ONLY FOR THE TRUSS COMPONENT

DESIGN SHOWN. THE SOLIDITY 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 Meyer Drive
Haines City, FL 33844

Reference: _____
Fax: _____
Attention: _____
FAX # _____
Fax # _____



TC LL	20.0 PSF	REF	R487 - - 17267
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUSR487 06299046
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN -	134205
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	1T1S487_201

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

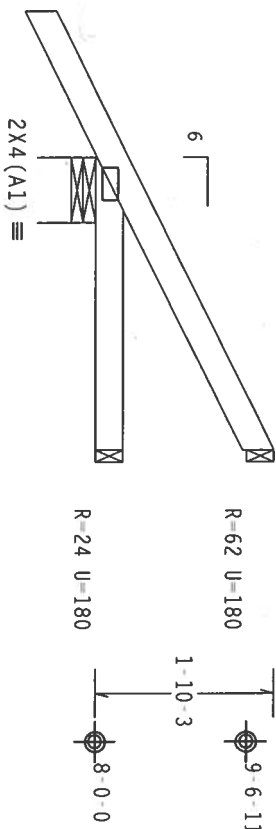
Wind reactions based on MMFRS pressures.

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

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



← 1-6-0 →

3-0-0 Over 3 Supports
R-262 U-180 W-8"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.1

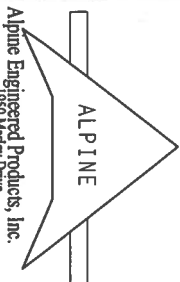
QTY: 1 FL/-/4/-/R/-

Scale = 5"/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), 583 O CONVENT DR., SUITE 200, FALCON, VA 22419 AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN, RD 100, BOX 100, FALCON, VA 22419) FOR TRUSS CONNECTIONS, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

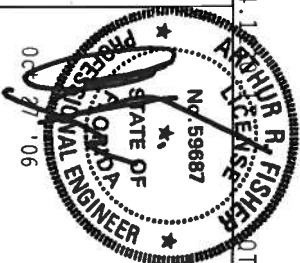
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

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 AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/50 (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.



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

certificat 24000 #



TC LL	20.0 PSF	REF R487 - 17268
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUR487 06299047
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 134200
DUR.FAC.	1.25	
SPACING	24.0"	

URFF- 1T1S487_201

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

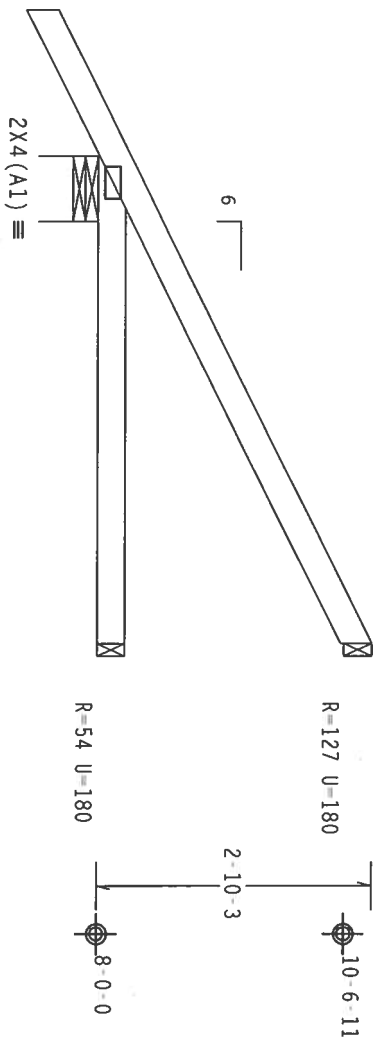
Wind reactions based on MMFRS pressures.

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

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



←1-6-0→

←5-0-0 Over 3 Supports →
R=331 U=180 W=8"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

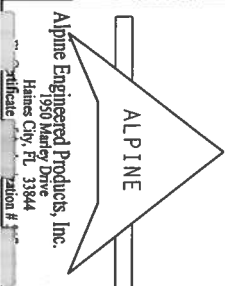
7.24.1

FL/-/4/-/R/-

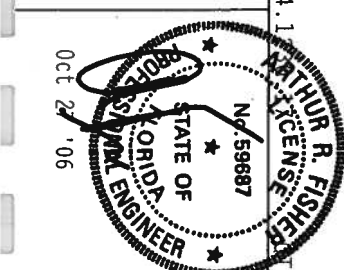
Scale =.5"/ft.

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), 583 MADISON AVE., SUITE 200, FARMINGTON, CT 06031, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, ANDOVER, MA 01917) FOR PRACTICES TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OF TRUSSES, OR FABRICATING, HANDLING, SHIPPING, INSTALLING, A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN SPEC. BY ASEA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/19/16GA (W/H/S/K) 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 SUSTAINABILITY 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
Phone # 888-234-2344
Fax # 888-234-2344



TC LL	20.0 PSF	REF R487 - 17269
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUR487 06299048
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 16933
DUR.FAC.	1.25	
SPACING	24.0"	

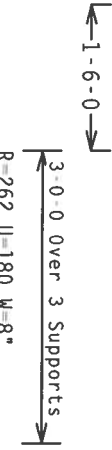
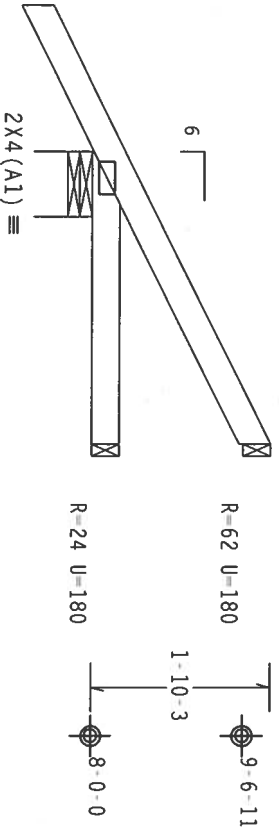
JREF- 1T1S487_201

TOP chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord. Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.24.12

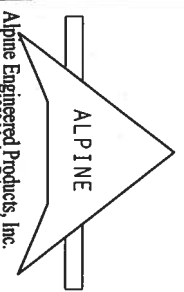
FL/-/4/-/-/R/-

Scale = .5"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE BUILDING SAFETY COUNCIL OF AMERICA, 6300 EXETER BLVD., 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 TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY NDS) AND TPI1. ALPINE

CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W/ H/ S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate # 123456789



TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT. LD. 40.0 PSF

DUR. FAC. 1.25

SPACING 24.0"

REF R487-- 17270

DATE 10/26/06

DRW HCUSR487 06299049

HC-ENG DAL/AF

SEON- 16936

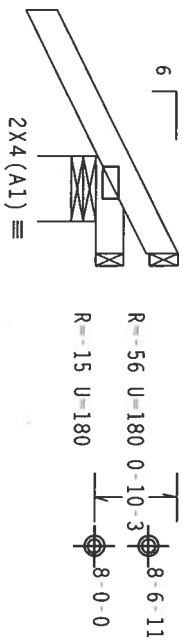
UREF- 1T1S487_Z01

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

Wind reactions based on MMFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



1'-6-0 →
1'-0-0 Over 3 Supports
R=254 U=180 W=8"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.12

TY:1 FL/-4/-/-R/-

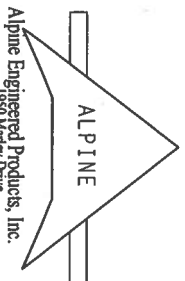
Scale =.5"/ft.

WARNING TROSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. BEFORE USE, THE TROSS SHALL BE INSPECTED FOR DEFECTS. THE TROSS SHALL BE USED IN ACCORDANCE WITH THE TPI-2002(STD) AND THE TPI-2002(STD) SHALL BE USED TO DETERMINE THE TROSS DESIGN. THE TROSS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

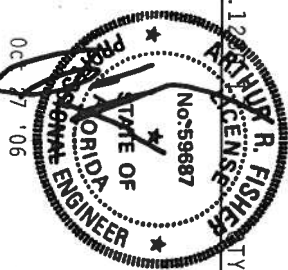
IMPORTANT TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TROSS IN CONFORMANCE WITH TPI-2002(STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TROSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI-2002(STD).

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI-2002(STD). ALPINE PLATES TO EACH FACE OF TROSS 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.3.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TROSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY 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.
Haines City, FL 33844
1950 Marley Drive
Attention # 1



TC LL	20.0 PSF	REF	R487 - 17271
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUSR487 06299050
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN	16938
DUR.FAC.	1.25		
SPACING	24.0"		

JREF- 1715487-201

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

Wind reactions based on MMFRS pressures.

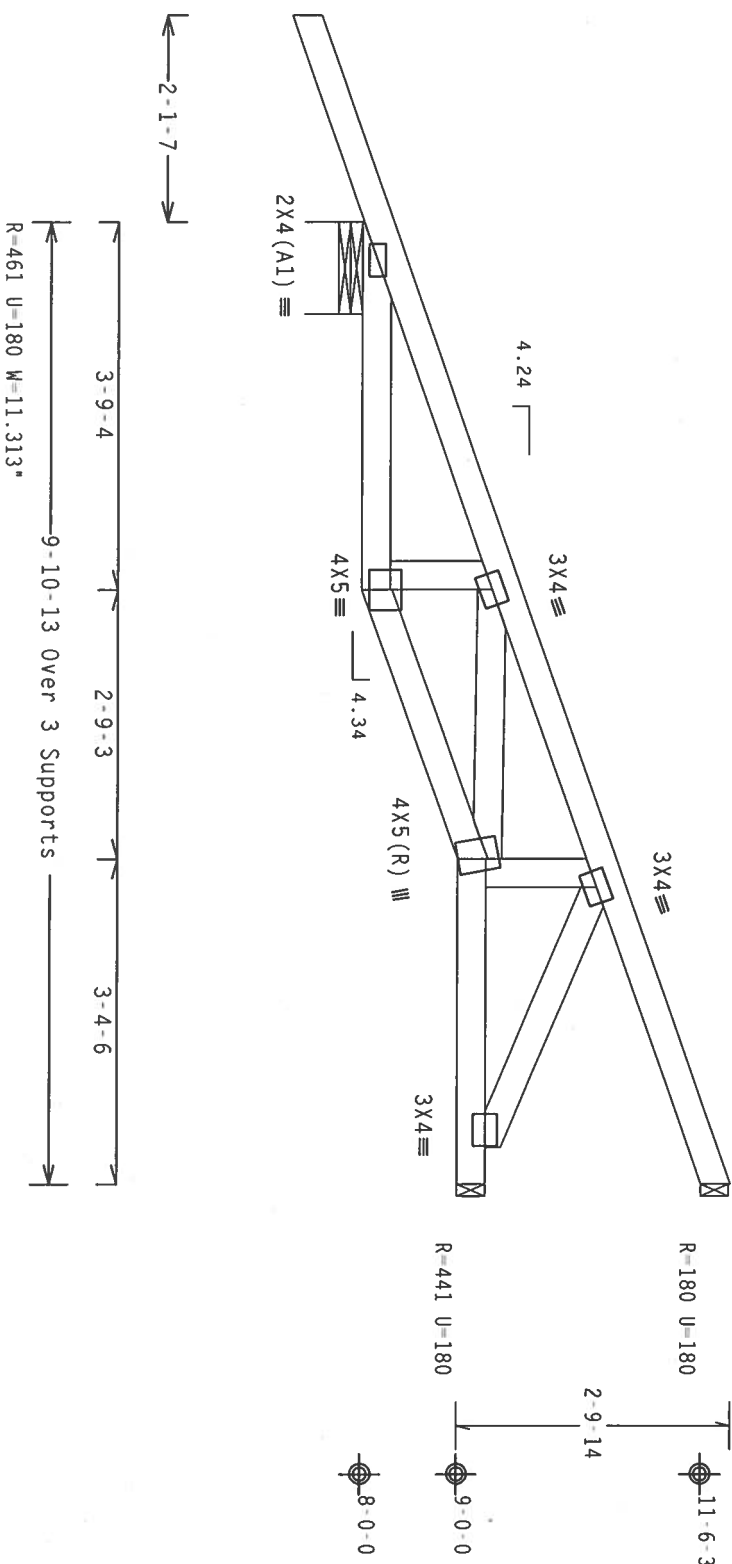
Hipjack supports 7-0-0 setback jacks with no webs.

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

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.12

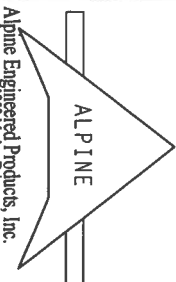
FL/-/4/-/R/-

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, SHIPPING, HANDLING, INSTALLING AND BRACING. REFER TO THE TPI-2002(STD) FOR ADDITIONAL INFORMATION. THE TPI-2002(STD) IS THE PROPERTY OF THE TPI-2002(STD) AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. THE TPI-2002(STD) IS THE PROPERTY OF THE TPI-2002(STD) AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. THE TPI-2002(STD) IS THE PROPERTY OF THE TPI-2002(STD) AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

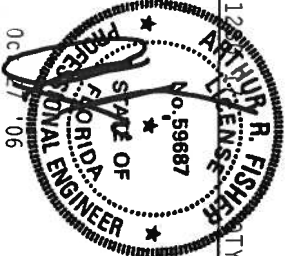
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002(STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ACPA) AND TPI-2002(STD). CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S) ASTM A653 GRADE 40/60 (K. K/H. S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEA 3.3 OF TPI-2002 SEC. 3. A SEAL ON THIS DESIGN SHOWN. THE SUSTAINABILITY 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

Station #



TC LL	20.0 PSF	REF	R487--	17272
TC DL	10.0 PSF	DATE	10/26/06	
BC DL	10.0 PSF	DRW	HCUSR487	06299051
BC LL	0.0 PSF	HC-ENG	DAL/AF	
TOT.LD.	40.0 PSF	SEQN-	134242	
DUR.FAC.	1.25			
SPACING	24.0"			

JREF- 1T1S487_201

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

Wind reactions based on MMFRS pressures.

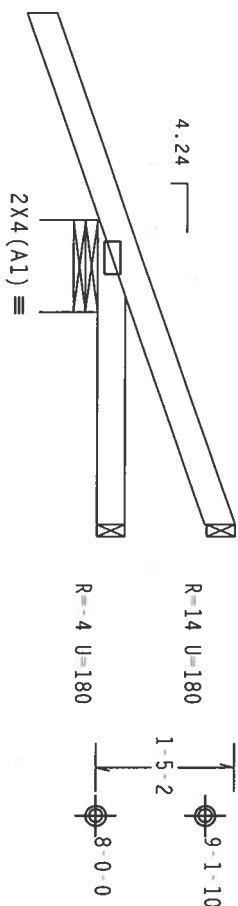
Hipjack supports 2-2-8 setback jacks with no webs.

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

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



2-1-7

3-1-8
3-1-8 Over 3 Supports
R=173 U=180 W=11.314"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

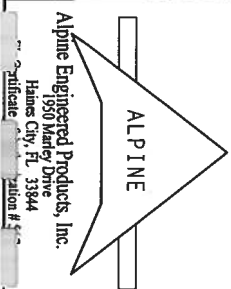
7.24.1

FL/-/4/-/R/-

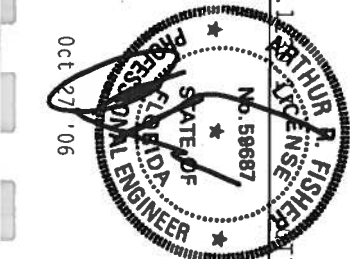
Scale = .5"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REASONING: 1. SOLELY FOR THE PURPOSE OF PROVIDING INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 DUNBAR RD., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. 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 AF&PA AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (K/4/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 11-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1850 Marley Drive
Haines City, FL 33844
Certification # 47



TC LL	20.0 PSF	REF R487-- 17273
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUSR487 06299052
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 134301
DUR.FAC.	1.25	
SPACING	24.0"	URFEF- 1TJSAR7_201

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

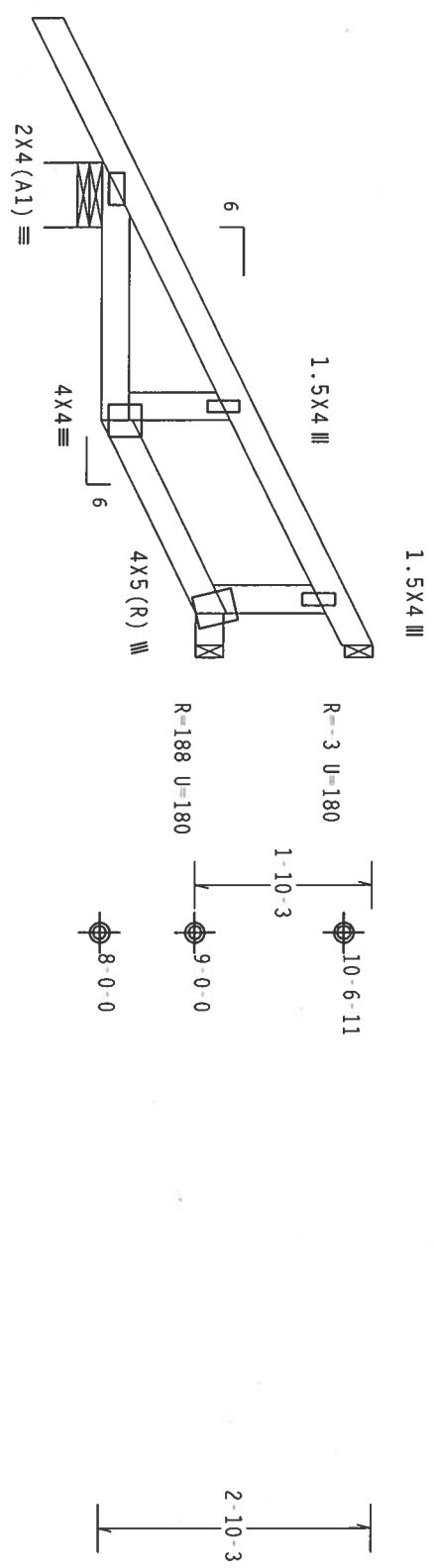
Wind reactions based on MMFRS pressures.

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

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.1

FL/-/4/-/R/-

Scale = .5"/ft.

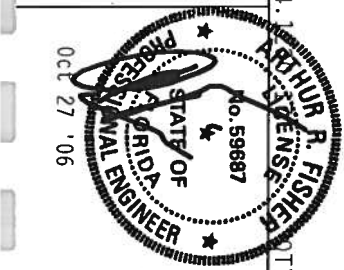
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 T-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 563 MADISON AVE., SUITE 200, MADISON, TN 37173, AND WCA WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, AL 37037, FOR ADDITIONAL INFORMATION. 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 AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2017/1664 (W.H/S/K) ASTM A653 GRADE 40/60 (W. E/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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

Station #



TC LL	20.0 PSF	REF	R487 - 17274
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCSR487 0629053
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT. LD.	40.0 PSF	SEQN-	134221
DUR. FAC.	1.25		
SPACING	24.0"		

JREF- 1T1S487_201

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
: Lt Studded Wedge 2x6 SP #2:

Wind reactions based on MMFRS pressures.

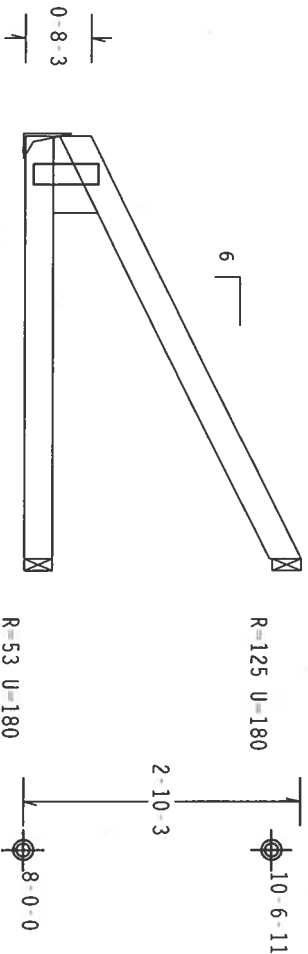
In lieu of structural panels or rigid ceiling use purlins to brace TC
@ 24" OC, BC @ 24" OC.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, 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.

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



R-178 U=180 H-Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2x6 min. So.Pine

4-4-0 Over 3 Supports

PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.24.12

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

Scale = .5"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO CS1-1000 FOR MORE INFORMATION. PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 583
D'ONOFIO 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. ALPINE ENGINEERED
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE
DESIGN IN CONFORMANCE WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA/ASCE 1603 (AIA/ASCE 1603) AND TP1. ALPINE
CONNECTOR PLATES ARE MADE OF 2019/1604 (W.N/S/K) ASTM A653 GRADE 40/60 (K, K/H,S) GALV. STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP1-2002 SEC.3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT
BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.

ALPINE

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

Station # 3

TC LL	20.0 PSF	REF	R487 - 17275
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCSR487 06299054
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT. LD.	40.0 PSF	SEON	134254
DUR. FAC.	1.25		
SPACING	24.0"		

JREF- 1T1S487_201

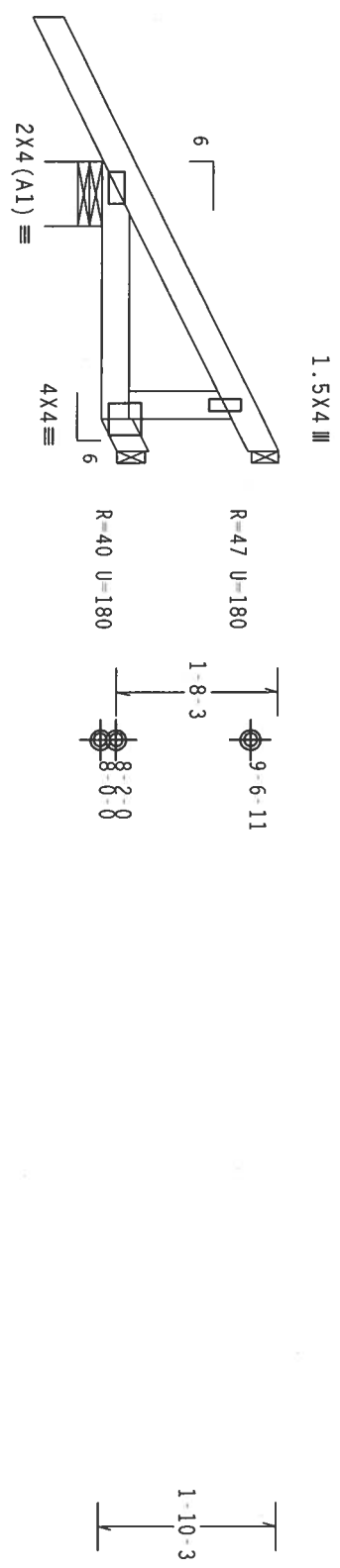
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.
Shim all supports to solid bearing.



2-8-0
3-0-0 over 3 Supports
R-262 U=180 W=8"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

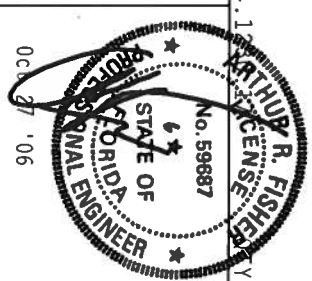
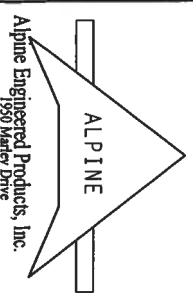
7.24.12

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

Scale = .5"/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, 583 MADISON, WIS719) FOR SAFETY PRACTICES REGARDING PROPER TRUSS CONSTRUCTION. 6500 ENTERPRISE LN. 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 MOS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY 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.



TC LL	20.0 PSF	REF R487 - -	17276
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW HCUR487	06299055
BC LL	0.0 PSF	HC-ENG DAL/AF	*
TOT.LD.	40.0 PSF	SEQN-	134215
DUR.FAC.	1.25		
SPACING	24.0"	JBEE- 1T1S487_201	

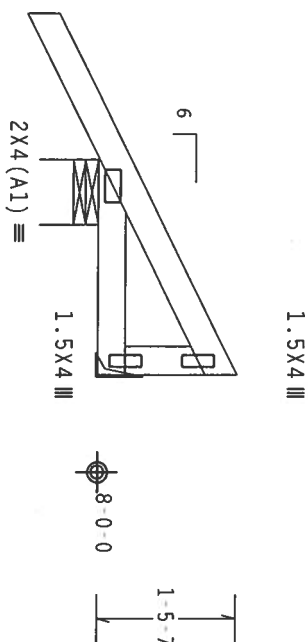
Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purllins to brace TC @ 24" OC, BC @ 24" OC.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, closed bldg, 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.



R=241 U=180 W=8"

R-41 U=180 H=Simpson LU24
W/ (2) 10d, 0.148"x1.5" nails in Truss
W/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2x6 min. So.Pine

1-6-0
2-2-8 Over 2 Supports

PLT TYP. Wave

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

$$Cq/RT=1.00(1.25)/10(0)$$

7.24.1

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

Scale = .5"/Ft.

*****WARNING***** CRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51-1-03 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATING INSTITUTE, 5903 O'DONORIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE, IN MADISON, WI 53719) FOR SAFETY PRACTICES APPLICABLE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LIGID CEILING.

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

TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFGPA) AND TPI. ALPINE

CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF BEAMS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION OR DRAWING, LOCATE

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 TB13-2002 SEC 3 A SEAL ON THIS

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

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY 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.

DO NOT WRITE IN THESE SPACES

Alpine Engineered Products, Inc.

1950 Marley Drive
Haines City, FL 33844

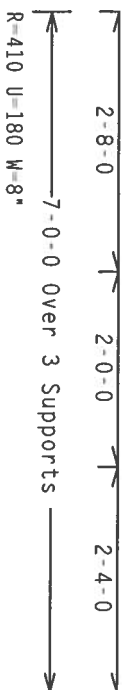
ification zation #

TC LL	20.0 PSF	REF	R487-- 17277
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUSR487 06299056
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SECN	134308
DUR.FAC.	1.25		
SPACING	24.0"	DBFF-	1T1S487 Z01

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



Scale = .5"/Ft.

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND NOT THAT OF THE MANUFACTURER.



TC LL	20.0 PSF	REF	R487 - - 17278
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUSR487 06299057
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN -	134226
DUR.FAC.	1.25		
SPACING	24.0"	URFF -	1T1S487_201

JRFF- 1T1S487_Z01

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

Wind reactions based on MMFRS pressures.

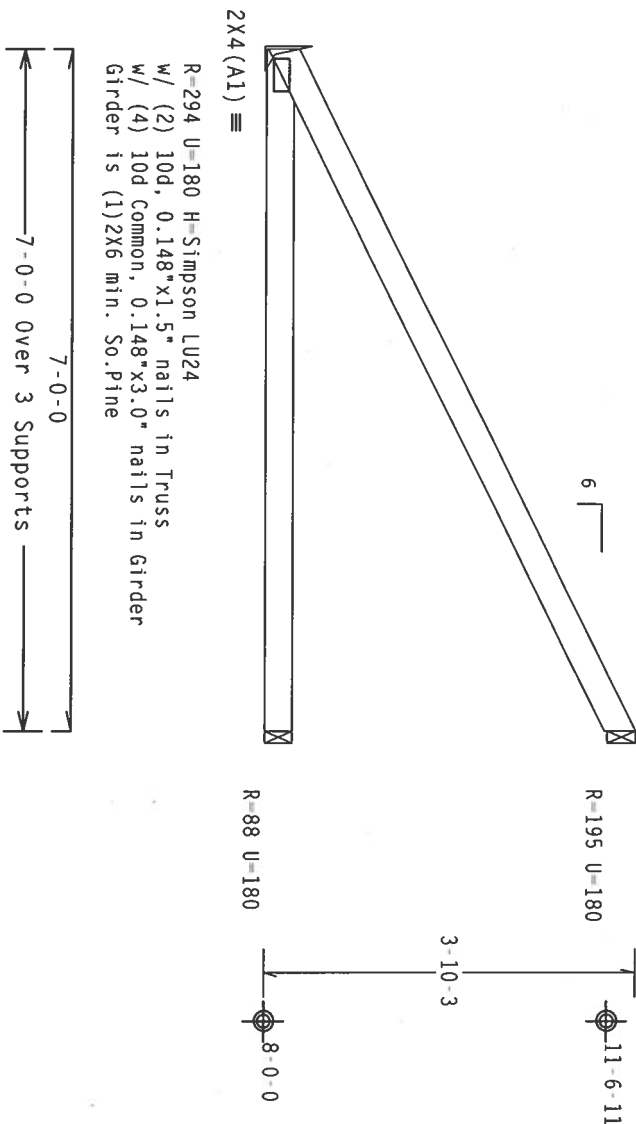
In lieu of structural panels or rigid ceiling use purlins to brace TC
@ 24" OC, BC @ 24" OC.

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

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

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.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.1

FL/-/4/-/R/-

Scale = .5"/ft.

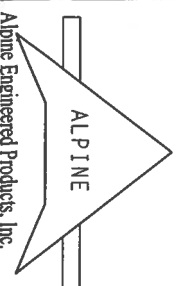
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO GC'S DRAWINGS FOR TRUSS PLATE INSTALLATION. TRUSS PLATE INSTALLATION SHALL BE IN ACCORDANCE WITH TPI-2002(STD)/FBC AND MECHANICAL CONNECTIONS SHALL BE IN ACCORDANCE WITH TPI-2002(STD)/FBC. TOP CHORD 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-2002(STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI.

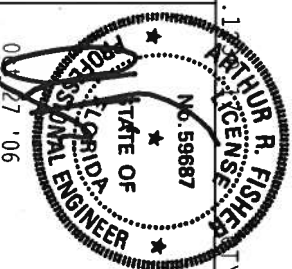
CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

ANY INSPECTION OF TRUSSES 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.



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

Station #



TC LL	20.0 PSF	REF	R487--	17280
TC DL	10.0 PSF	DATE	10/26/06	
BC DL	10.0 PSF	DRW	HCUSR487	06299059
BC LL	0.0 PSF	HC-ENG	DAL/AF	*
TOT. LD.	40.0 PSF	SEQN-	134196	
DUR. FAC.	1.25			
SPACING	24.0"			
URFF	1TTS487_201			

TOP CHORD 2X4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Stack Chord SC1 2x4 SP #2 Dense:

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

Stacked top chord must NOT be notched or cut in area (NML).
Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

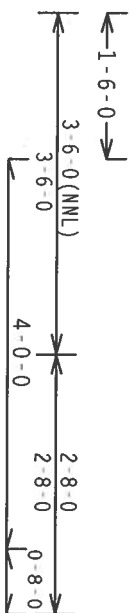
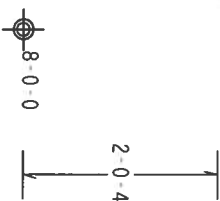
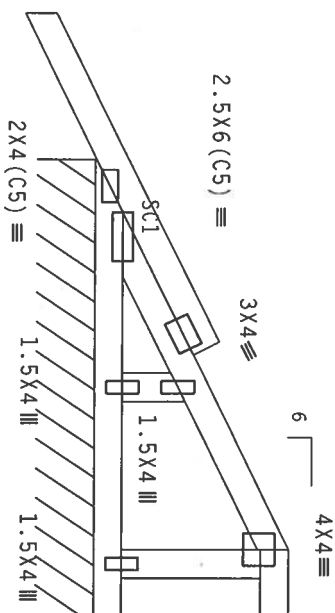
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



R-137 PLF U=53 PLF W=4-8-0

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.13

FL/-/4/-/R/-

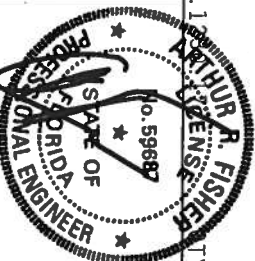
Scale = .5"/ft.

WARNING TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC11.10 FOR BUILDING CODES, NATIONAL DESIGN SPECIFICATION, AND AISC 360-10. THESE TRUSSES ARE DESIGNED FOR A 150 PSF DEAD LOAD AND A 20 PSF LIVE LOAD. THE TRUSSES SHALL BE INSTALLED IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS AND THE BUILDING CODES. THE TRUSSES SHALL BE INSTALLED IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS AND THE BUILDING CODES. THE TRUSSES SHALL BE INSTALLED IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS AND THE BUILDING CODES.

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 TRUSSES IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING THE TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI1. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING THE TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI1.

CONNECTOR PLATES ARE MADE OF 2018/1664 (W/H/S/K) ASTM A653 GRADE 40/60 (W/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1 2002 SEC. 3. A SEAL ON THIS DESIGN SHOWS THE CONTRACTOR'S PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/PTI 1 SEC. 2.



TC LL	20.0 PSF	REF R487-- 17281
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUR487 06299060
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT. LD.	40.0 PSF	SEON- 134627
DUR. FAC.	1.25	
SPACING	24.0"	

DRWF - 1T1S487_201

10P chord 2x8 SP #1 Dense: T2 2x4 SP #2 Dense:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

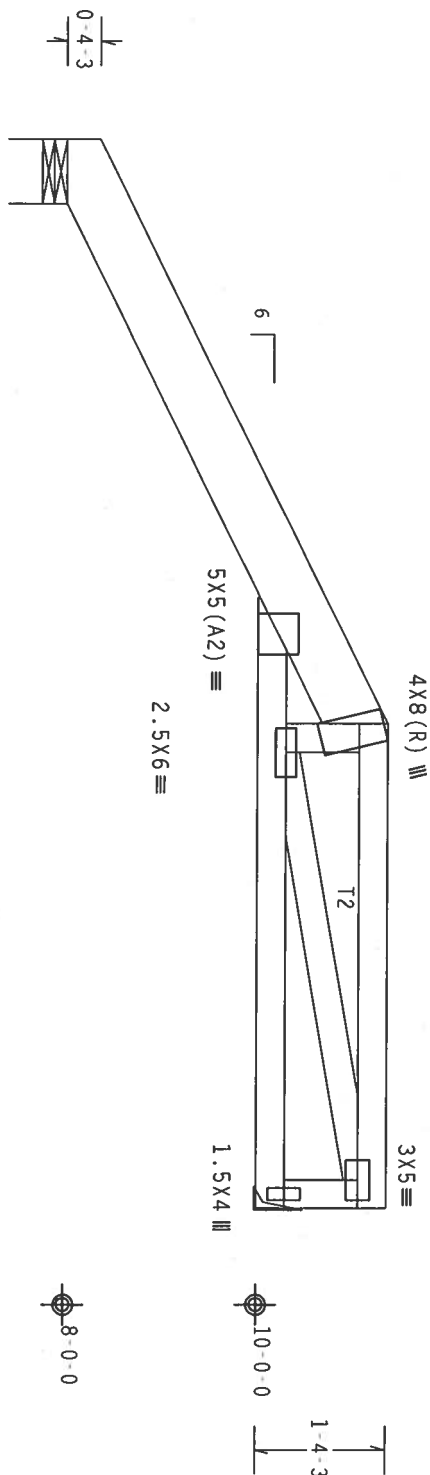
Wind reactions based on MMFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, 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.



R=489 U-180 W-8"
11-0-0 Over 2 Supports
L 1-3-10
5-0-0

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

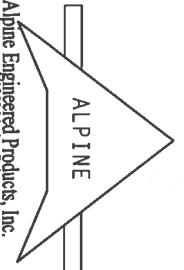
Cq/RT=1.00(1.25)/10(0) 7.24.1

TY:1 FL/-4/-/-/R/-

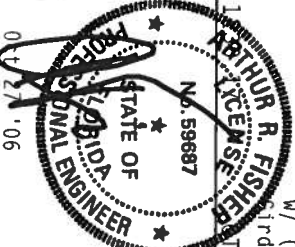
Scale = .5"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1.03 (BUILDING COMPONENT SAFETY INFORMATION), BUILDING CODES, AND THE FOLLOWING: DOWNSIDE DR., SUITE 200, MADISON, WI 53719 AND WCA (WOOD TRUSS COUNCIL OF AMERICA) 1500 W. WISCONSIN, 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 NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/10/16GA (W/H/S/K) 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 TRUSS INDICATES THE CERTIFICATE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWN. 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
Certificate of Registration # 06



R-426 U-180 H-Simpson LU24
W/ (2) 10d, 0.148"x1.5" nails in Truss
W/ (4) 10d Common, 0.148"x3.0" nails in Girder
Order is (1)2x6 min. So. Pine

TC LL	20.0 PSF	REF R487-- 17282
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUSR487 0629061
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 134609
DUR.FAC.	1.25	
SPACING	24.0"	

QREF- 1715487_201

Top chord 2x8 SP #1 Dense : T2 2x4 SP #2 Dense:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

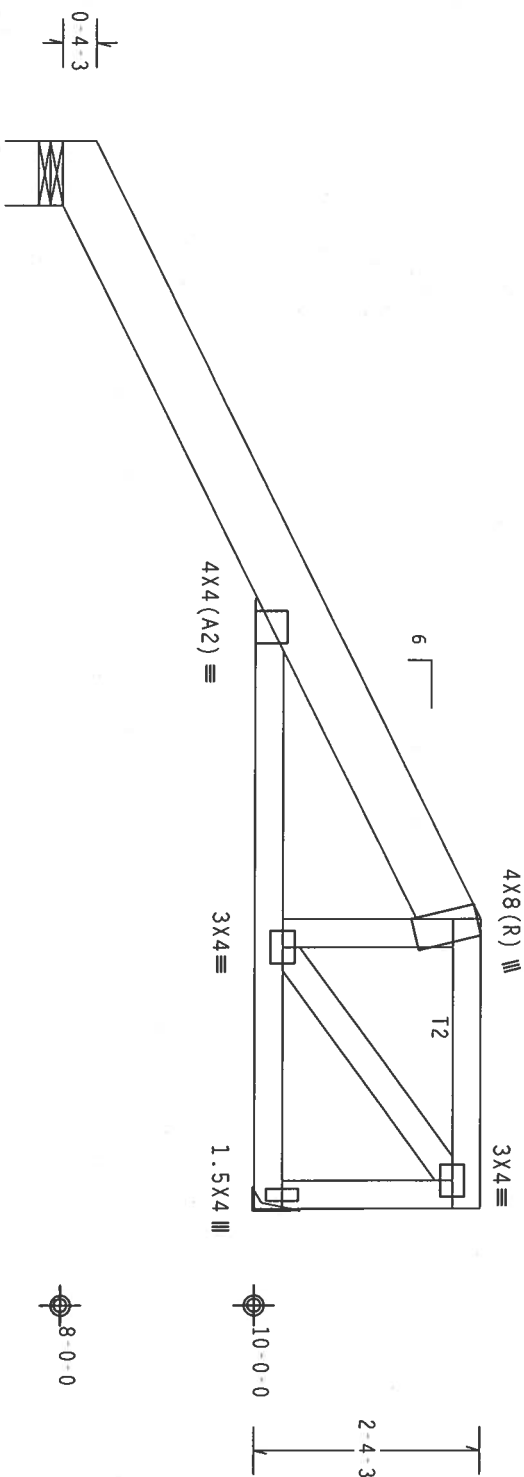
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

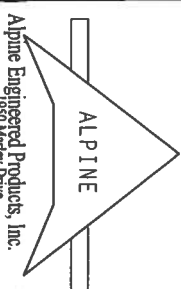
7.24.1

TY:1 FL/-4/-/-R/-

Scale =.5"/ft.

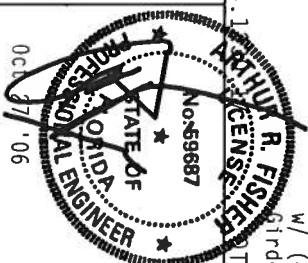
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 MARION ST., SUITE 200, FORT WORTH, TEXAS 76102) AND MICA (WOOD PRESERVATION INSTITUTE, 152721 FORT WORTH, TEXAS 76102) FOR ADDITIONAL INFORMATION. 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 AF&PA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/50 (W. K/H/S) GALV. STEEL. APPLIES PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. 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.



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

Station #



TC LL	20.0 PSF	REF	R487 - 17283
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUSR487 06299062
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	134615
DUR.FAC.	1.25		
SPACING	24.0"	URFF-	1T1S487_Z01

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

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -1.50 to 62 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
BC - 426 LB Conc. Load at 2.06, 4.06
BC - 233 LB Conc. Load at 6.06

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

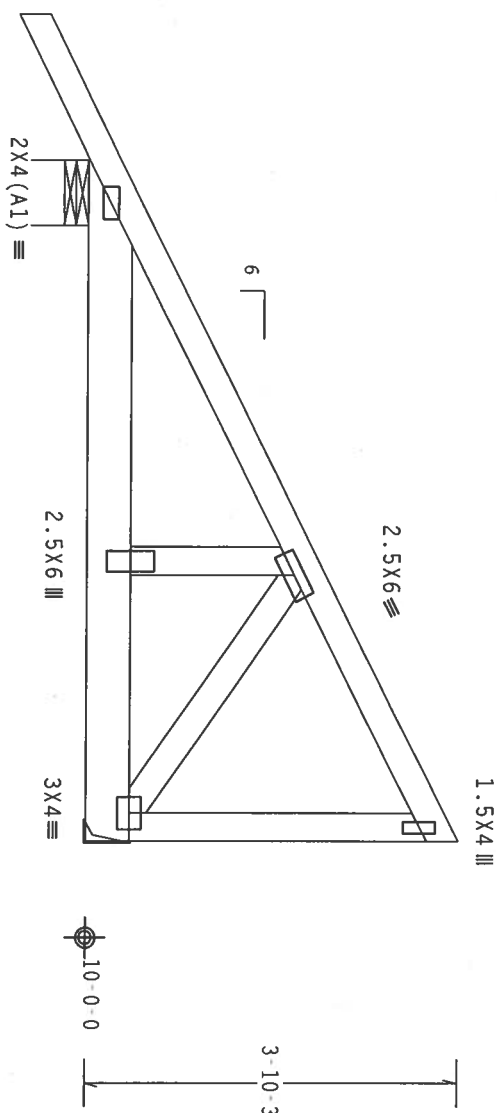
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.

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

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



←1-6-0→

7-0-0 Over 2 Supports

R-929 U=180 W=8"

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

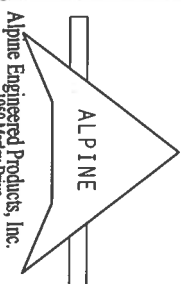
7.24.1

FL/-4/-/R/-

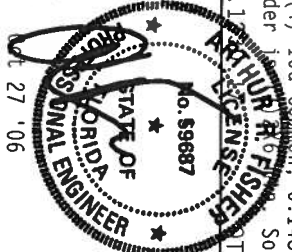
Scale = .5"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCS 1.03 (BUILDING COMPONENT SAFETY) AND RCS 1.04 (TRUSS COMPONENT SAFETY) FOR ADDITIONAL INFORMATION. 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 AREA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) 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-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 OF THE BUILDING DESIGNER PER ANNEX 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marney Drive
Haines City, FL 33844
Phone 888-222-2222
Fax 888-222-2222



TC LL	20.0 PSF	REF R487-- 17285
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUSR487 06299064
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEON- 134651
DUR.FAC.	1.25	
SPACING	24.0"	

JREF- 1715A87_201

Wind reactions based on MWFRS pressures.

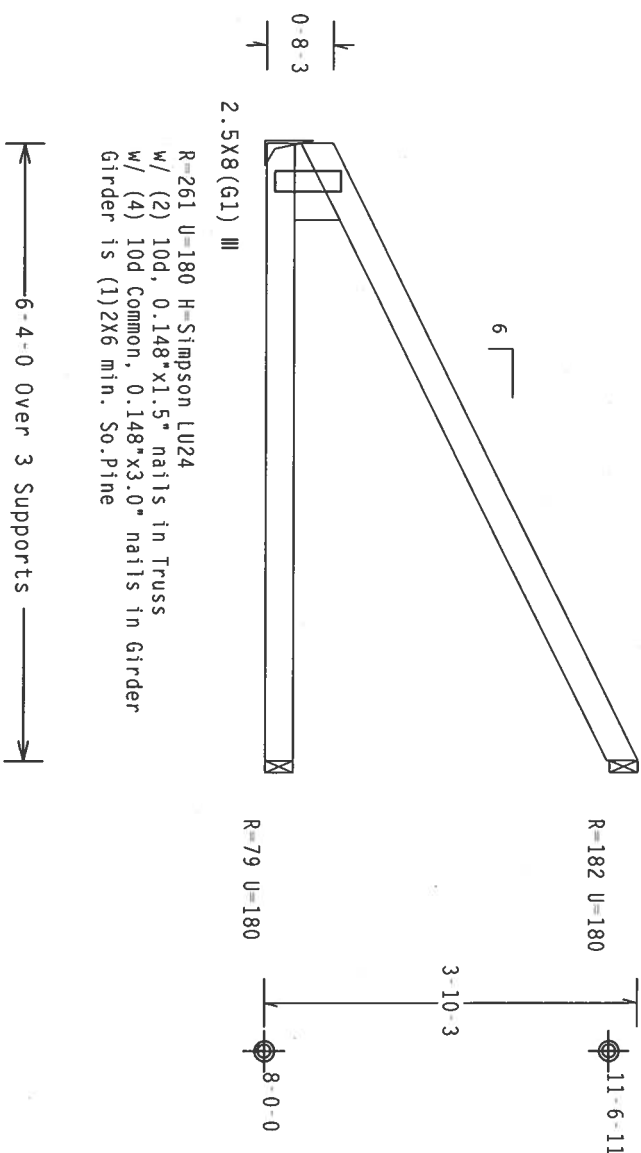
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

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

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.

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



PLT TYP. Wave

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

 $Cq/RT=1.00(1.25)/10(0) \quad 7.24.12$

7.24.12

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

Scale = .5" / Ft.

*"MAINING" JOINTS REQUIRES REQUIRE EXISTING JOINTS IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO RC51 1-0 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 5891 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE, 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 LADD CEILING.

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

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

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

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS

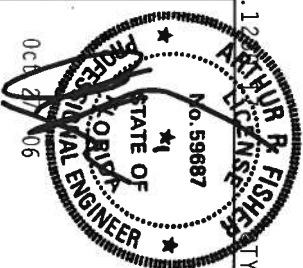
R-261 U-180 H-Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2x6 min. So, Pine

6 = 4 + 0 Over 3 Supports



ALPINE

Haines City, FL 33844
 rtificate
 zation #



TC LL	20.0 PSF	REF	R487 - 17286
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUSR487 06299065
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN -	134122
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T1S487_201

JREF- 1TJSA87_201

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

Wind reactions based on MWFRS pressures.

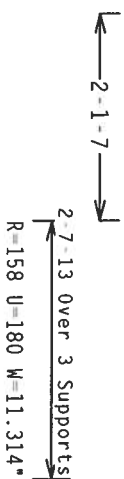
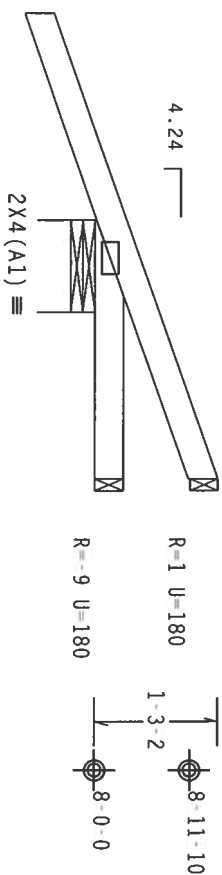
Hipjack supports 1-10-8 setback jacks with no webs.

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

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

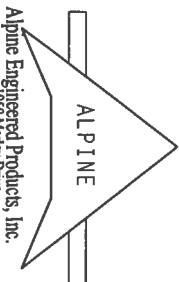
7.24.12

FL/-/4/-/R/-

Scale = .5"/ft.

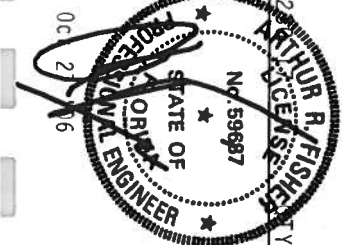
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 T-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 MADISON, WISCONSIN 53719) FOR SAFETY PRACTICES. PROPERLY ATTACHED TOP CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORDS SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (W.H/S/K) ASTM A653 GRADE 40/60 (K, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF 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.



Alpine Engineered Products, Inc.
Haines City, FL 33844
1990 Mader Drive

Station #



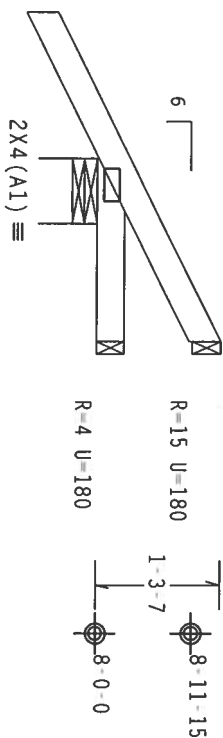
SPACING	24.0"	JREF- 1T1SA87_201
DUR. FAC.	1.25	
TOT. LD.	40.0 PSF	SEGN- 134592
BC DL	0.0 PSF	HC-ENG DAL/AF
BC DL	10.0 PSF	DRW HCURA87 06299066
TC DL	10.0 PSF	DATE 10/26/06
TC LL	20.0 PSF	REF R487- 17287

TOP chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on WMFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



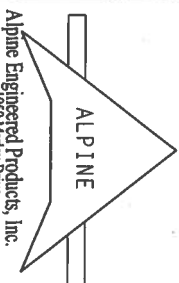
1-6-0
1-10-8 Over 3 Supports
R=236 U=180 W=8"

PLT TYP. Wave

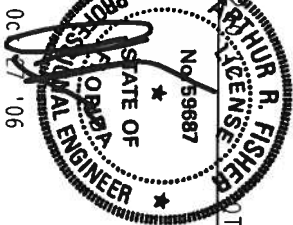
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 BUILDING CONSTRUCTION, TRUSS SECTION, TPI TRUSS PLATE INSTITUTE, 383 DUNFORD DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD) 1000 W. WISCONSIN AVE., 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 NDS (NATIONAL DESIGN SPEC. BY APA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/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 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DESIGN INDICATES THE DESIGNER'S 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 Marney Drive
Haines City, FL 33844



TC LL	20.0 PSF	REF R487 - 17288
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUSR487 06299067
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 134587
DUR.FAC.	1.25	
SPACING	24.0"	

URFF- 1715A87_201

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Stack Chord SC1 2x4 SP #2 Dense:
Stack Chord SC2 2x4 SP #2 Dense:

Gable end supports 8" max rake overhang.

Stacked top chord must NOT be notched or cut in area (NML).
Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splitce top chord in notchable area using 3x6.

+ Member to be laterally braced for horizontal wind loads.
Bracing system to be designed and furnished by others.

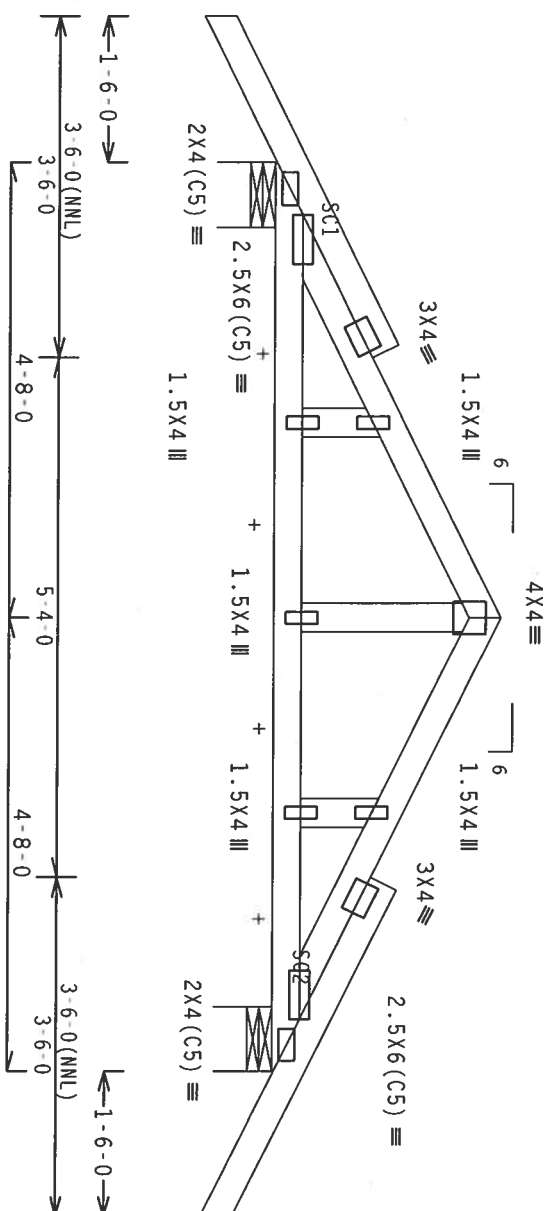
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MMFRS pressures.

See DWGS A11015EE0405 & GBLLET11N0405 for more requirements.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



9-0-0

2-4-4

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
CQ/RT=1.00(1.25)/10(0)

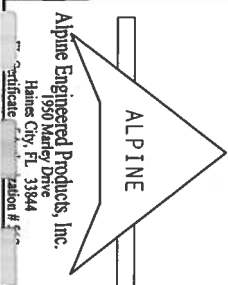
7.24.13

STY:1 FL/-/4/-/-/R/-

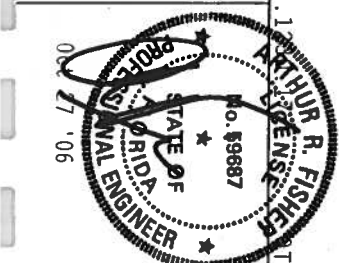
Scale = .5"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. READING OF THE FOLLOWING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNDAS ST. W. SUITE 200, MISSISSAUGA, ONTARIO, L4V 1L3, CANADA) IS A NECESSARY PRELIMINARY STEP TO PROPER TRUSS INSTALLATION. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (N/A/S/X) ASTM A653 GRADE 40/60 (N/A/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. 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.



Alpine Engineered Products, Inc.
Haines City, FL 33844
Certificate # 1706



TC LL	20.0 PSF	REF	R487--	17289
TC DL	10.0 PSF	DATE	10/26/06	
BC DL	10.0 PSF	DRW	HCUR487	06299068
BC LL	0.0 PSF	HC-ENG	DAL/AF	
TOT. LD.	40.0 PSF	SEQN-	134318	
DUR. FAC.	1.25			
SPACING	24.0"			

DBEE-1T1S487_201

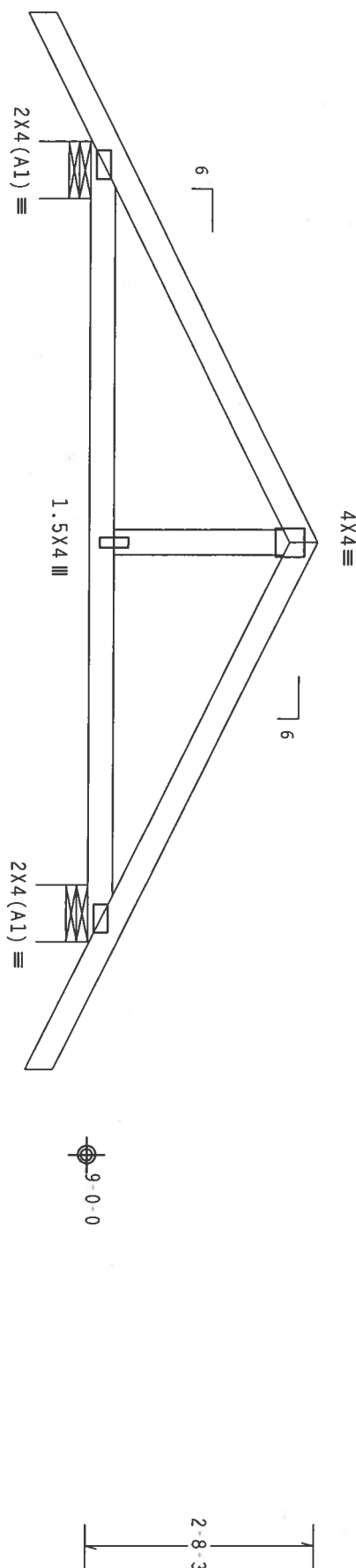
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

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

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

FL/-/4/-/R/-

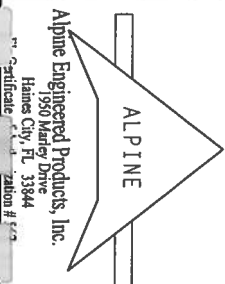
Scale = .5"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY / PROTECTION) AND BC32 1-03 (TRUSS PLACING AND BRACING) FOR ADDITIONAL INFORMATION. SUITE 200, MADISON, WI 53719) AND WICK (SUITE 200) TRUSS CONNECTIONS. 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 AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/1664 (W.H/S/K) ASTM A653 GRADE 40/60 (K, W/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK AS OF TPI11-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN AND NOT FOR THE 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
Phone # 888-222-7272
Fax # 888-222-7273



TC LL	20.0 PSF	REF	R487--	17290
TC DL	10.0 PSF	DATE	10/26/06	
BC DL	10.0 PSF	DRW	HCSR487	06299069
BC LL	0.0 PSF	HC-ENG	DAL/AF	*
TOT.LD.	40.0 PSF	SEQN	134313	
DUR.FAC.	1.25			
SPACING	24.0"			

JREF-1T1S487_201

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -1.50 to 62 PLF at 10.83
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 9.33
BC - From 4 PLF at 9.33 to 4 PLF at 10.83
BC - 1552 LB Conc. Load at 1.27, 3.27
BC - 3183 LB Conc. Load at 5.21
BC - 178 LB Conc. Load at 7.24

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

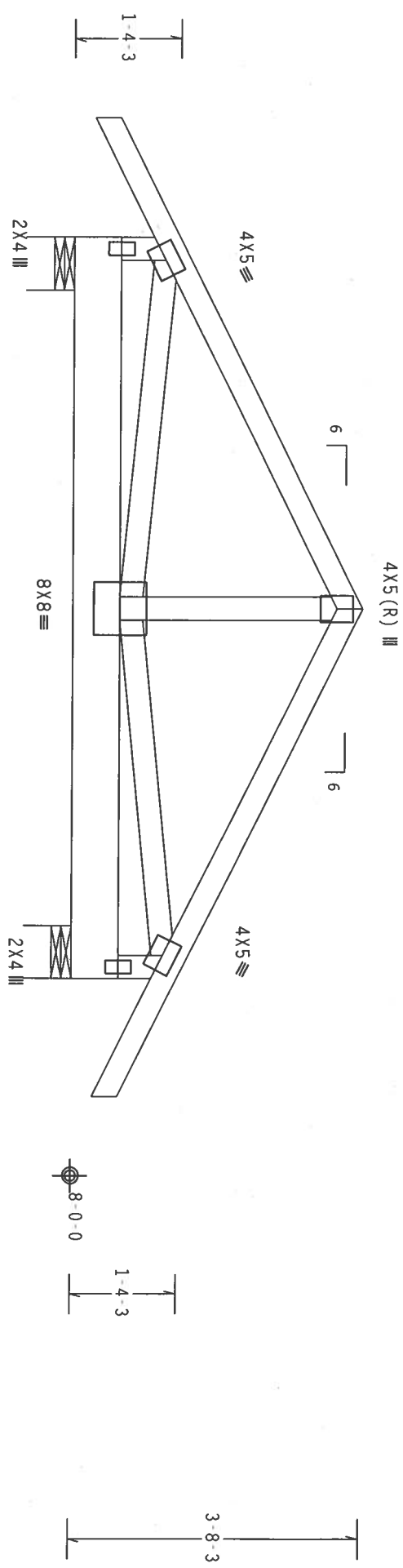
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25", min.), nails)
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 5.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

Wind reactions based on MMFRS pressures.

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



1'-6"-0" →
4'-8"-0" →
9'-4"-0" Over 2 Supports →
4'-8"-0" →
1'-6"-0" →
R-4280 U-408 W-8"
R-3154 U-286 W-8"

PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

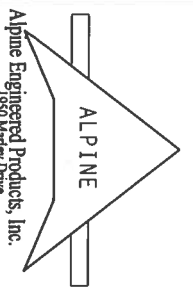
7.24.12

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

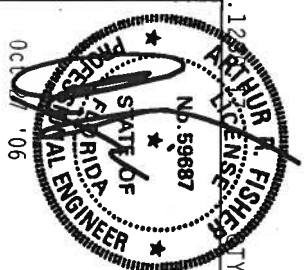
Scale = .5"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO PAGES 1 TO 3 FOR ADDITIONAL INFORMATION. PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 563 DUNSTON DR., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. 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 AF&PA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/1664 (W/H/S/X) ASTM A563 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-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TP11 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/PTI 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Article # 57



TC LL	20.0 PSF	REF	R487-- 17291
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUSR487 06299070
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT. LD.	40.0 PSF	SEQN-	134323
DUR. FAC.	1.25		
SPACING	24.0"		

JBEE- 1TJSA87_201

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

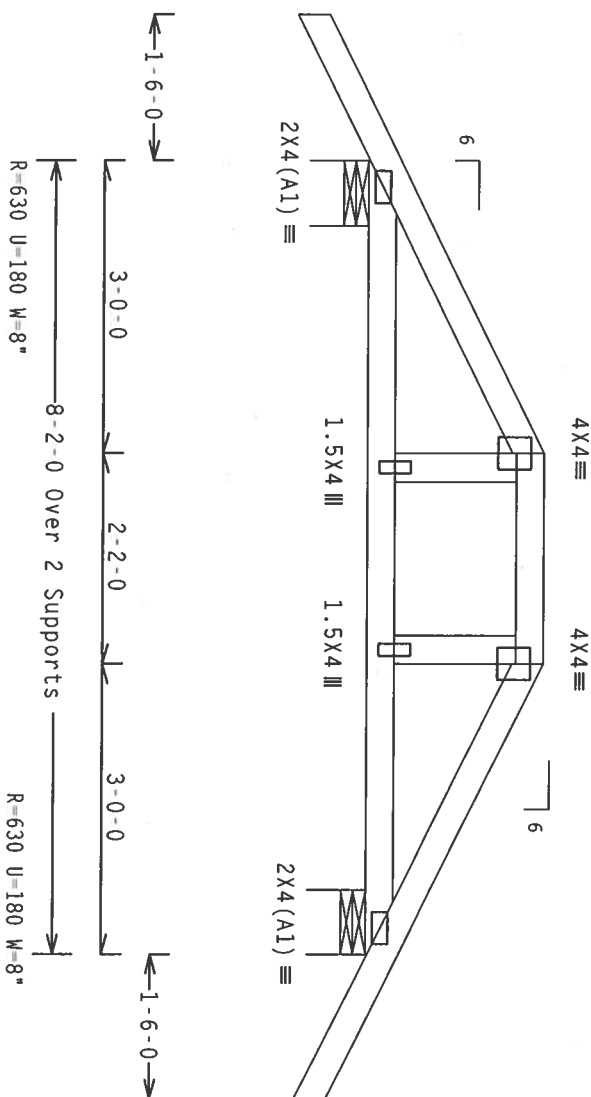
Wind reactions based on MMFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

SPECIAL LOADS

	(LUMBER DUR. FAC. -1.25 / PLATE DUR. FAC. -1.25)
TC - From	62 PLF at -1.50 to 62 PLF at 9.67
BC - From	4 PLF at -1.50 to 4 PLF at 0.00
BC - From	20 PLF at 0.00 to 20 PLF at 8.17
BC - From	4 PLF at 8.17 to 4 PLF at 9.67
TC - 115 LB Conc. Load at	3.06, 5.10
TC - 62 LB Conc. Load at	4.08
BC - 36 LB Conc. Load at	3.06, 5.10
BC - 24 LB Conc. Load at	4.08

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



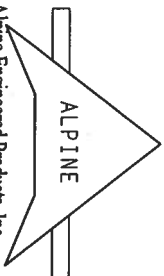
PLT TYP. Wave

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

PROPERTY: I

FL/-141-1-1R/-

Scale = .5" / Ft.



Alpine Engineered Products, Inc.
1050 McLean Drive

1930 Mainey Drive
Haines City, FL 33844

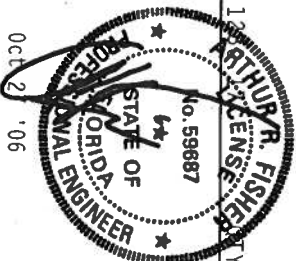
WARNING PRISSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, MI 48131) AND WFLA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LIGID 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 TRUSSES IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALTHOUGH CONNECTOR PLATES ARE MADE OR QUALIFIED BY THE USER, THE USER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSSES.

CONNECTION PLATES SHALL BE MADE OF 20/10/1008 (20.1/10.5/1.0) A316 A933 GRADE 40/60 (16. K/10.5) GALV. STEEL. 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 TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROJECT.

DRAWING INDICATES THE AVAILABILITY 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 - - 17292
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCSR487 06299071
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN -	134210
DUR.FAC.	1.25		
SPACING	24.0"	DRFF -	1T1A87_Z01

JRFF- 1T1S487_Z01

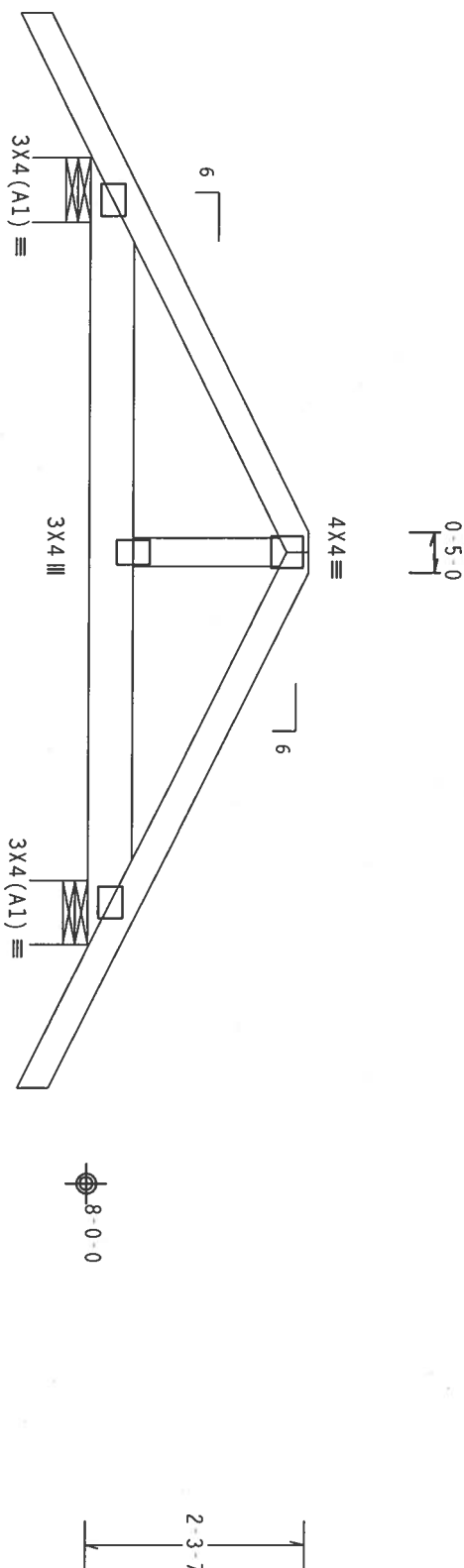
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT II, EXP B, Wind TC
DL=5.0 psf, Wind BC DL=5.0 psf.

Wind reactions based on MMFRS pressures.

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

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -1.50 to 62 PLF at 9.67
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 8.17
BC - From 4 PLF at 8.17 to 4 PLF at 9.67
BC - 294 LB Conc. Load at 1.06, 3.06, 5.06, 7.06, 7.44
In lieu of structural panels or rigid ceiling use purlins to
brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.

FL/-/4/-/R/-

Scale = .5"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
RETRACTED TO THE BOTTOM CHORD. DO NOT REMOVE OR WELD. MAINTAIN THE ORIGINAL DESIGN. MAINTAIN THE ORIGINAL DESIGN.
MAINTAIN THE ORIGINAL DESIGN. MAINTAIN THE ORIGINAL DESIGN. MAINTAIN THE ORIGINAL DESIGN.
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED
RIGID CEILING.

IMPORTANT TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/A) AND TPI.
CONNECTOR PLATES ARE MADE OF 20/18/16GA (W./H./S) ASTM A653 GRADE 40/60 (W./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.



TY.1

FL/-/4/-/R/-

Scale = .5"/ft.

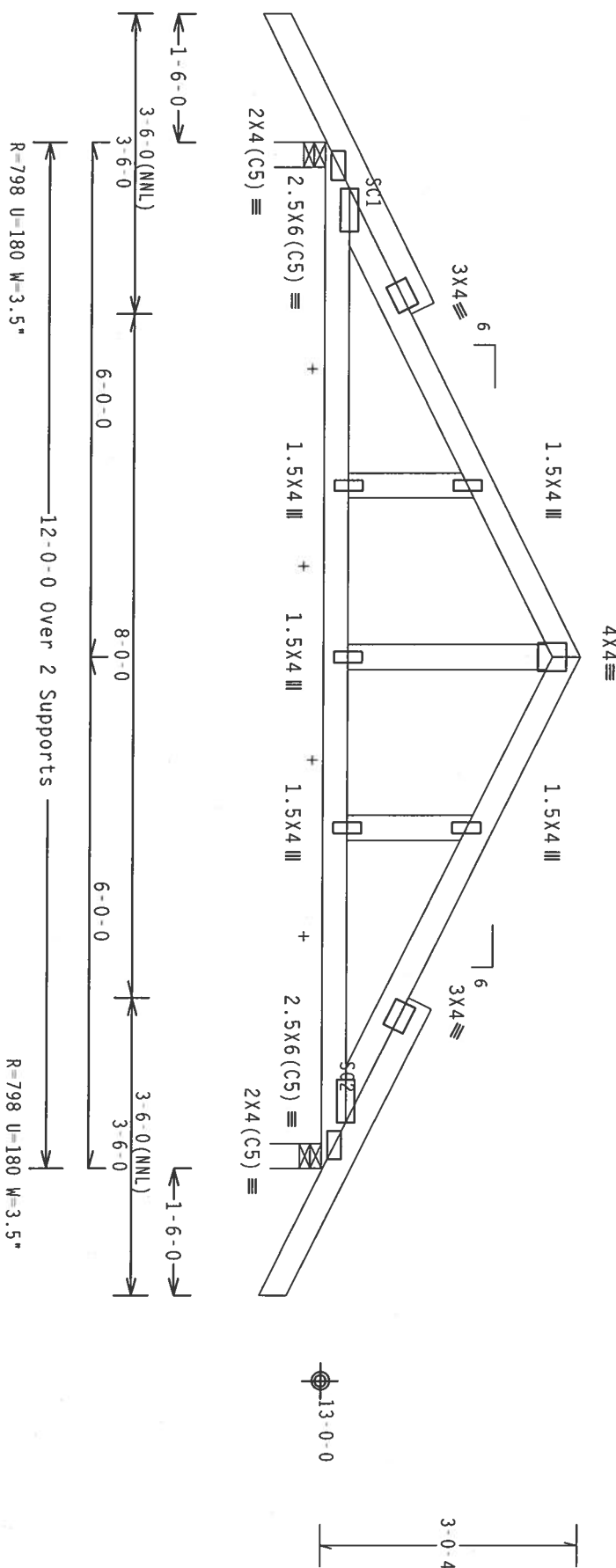
ALPINE		ALPINE ENGINEERED PRODUCTS, INC.	
1950 Meyer Drive		Haines City, FL 33844	
Telephone # 888-244-2444		Fax # 888-244-2444	
E-Mail: info@alpineeng.com		Website: www.alpineeng.com	
SPACING 24.0"		JREF-1T1SA87-201	
TC LL 20.0 PSF		REF R487-17293	
TC DL 10.0 PSF		DATE 10/26/06	
BC DL 10.0 PSF		DRW HCUSR487 06299072	
BC LL 0.0 PSF		HC-ENG DAL/AF	
TOT.LD. 40.0 PSF		SEQN-134248	
DUR.FAC. 1.25			

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

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



Design Crit: $TPI-2002(STD)/FBC$
 $Cq/RT=1.00(1.25)/10(0)$

Scale = .5"/Ft.

17
ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF
P

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

ALPINE

Alpine Engineered Products, Inc.
1450 McLean Drive

1950 MILITARY DRIVE
HAINES CITY, FL 33844
AFFIDAVIT # 1

TC LL	20.0 PSF	REF R487-- 17294
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUR487 06299073
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEON- 134185
DUR.FAC.	1.25	
SPACING	24.0"	DRF- 1715487_201

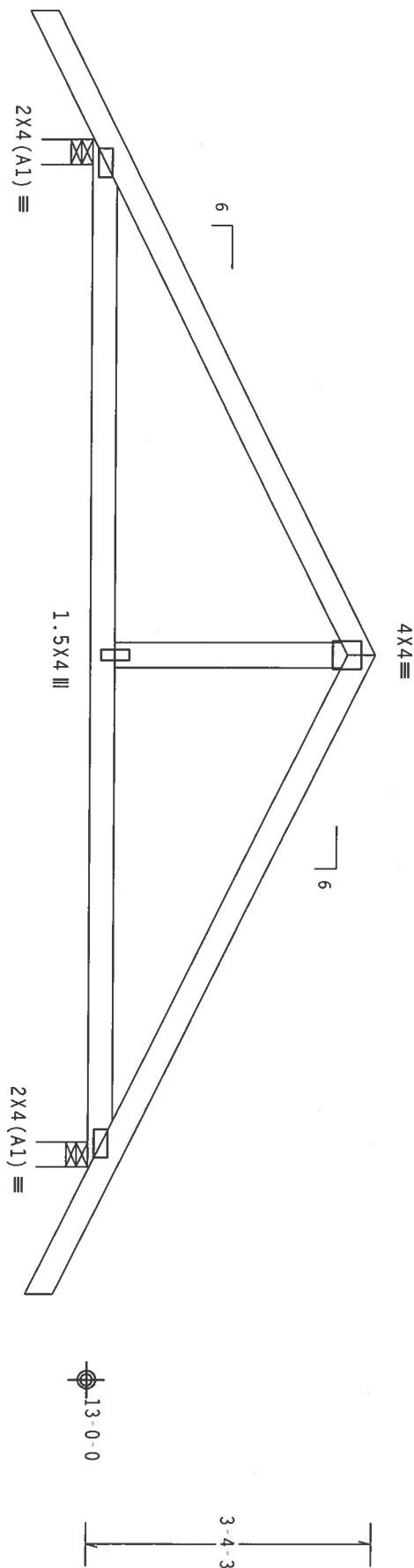
top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

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

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.1

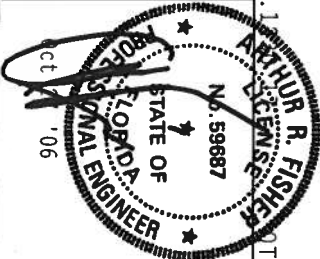
Scale = .5"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO TPI-2002(STD) FOR TRUSS FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TPI-2002(STD) IS THE STANDARD FOR TRUSS FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TPI-2002(STD) IS THE STANDARD FOR TRUSS FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TPI-2002(STD) IS THE STANDARD FOR TRUSS FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.

IMPORTANT TURNISH 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-2002(STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGNER SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002(STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGNER SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN.

ALPINE

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



TC LL	20.0 PSF	REF	R487 - 17295
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUSR487 06299074
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN	134180
DUR.FAC.	1.25		
SPACING	24.0"		

JREF - 171SAR7_201

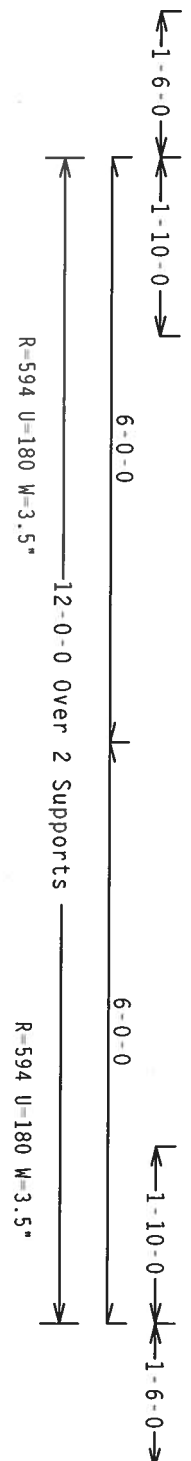
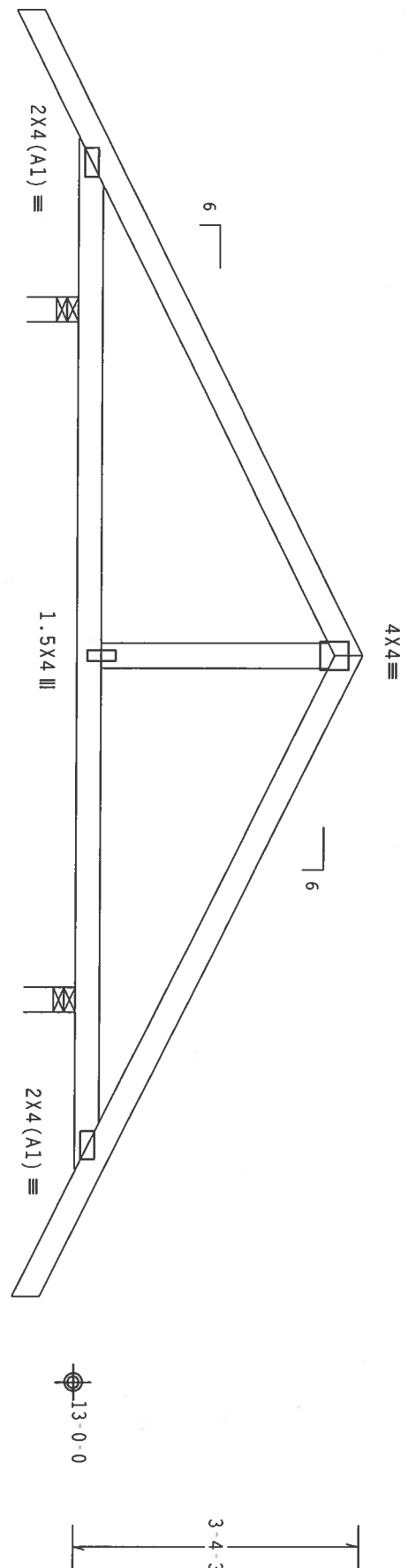
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

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

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)



FL/-/4/-/R/-

Scale = .5"/ft.

ALPINE

Alpine Engineered Products, Inc.
1990 Manley Drive
Haines City, FL 33844

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1.03 (BUILDING COMPONENT SAFETY) AND AISC 360 (STEEL STRUCTURAL DESIGN MANUAL) 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-2002 OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC 360 (STEEL STRUCTURAL DESIGN MANUAL) AND TPI-2002. ALPINE 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 AMES A3 OF TPI-2002 SEC.3.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER AMES/TP1 1 SEC. 2.

TC LL	20.0 PSF	REF R487-- 17296
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUSR487 06299075
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEON- 134190
DUR.FAC.	1.25	
SPACING	24.0"	

JREF - 1715487_201

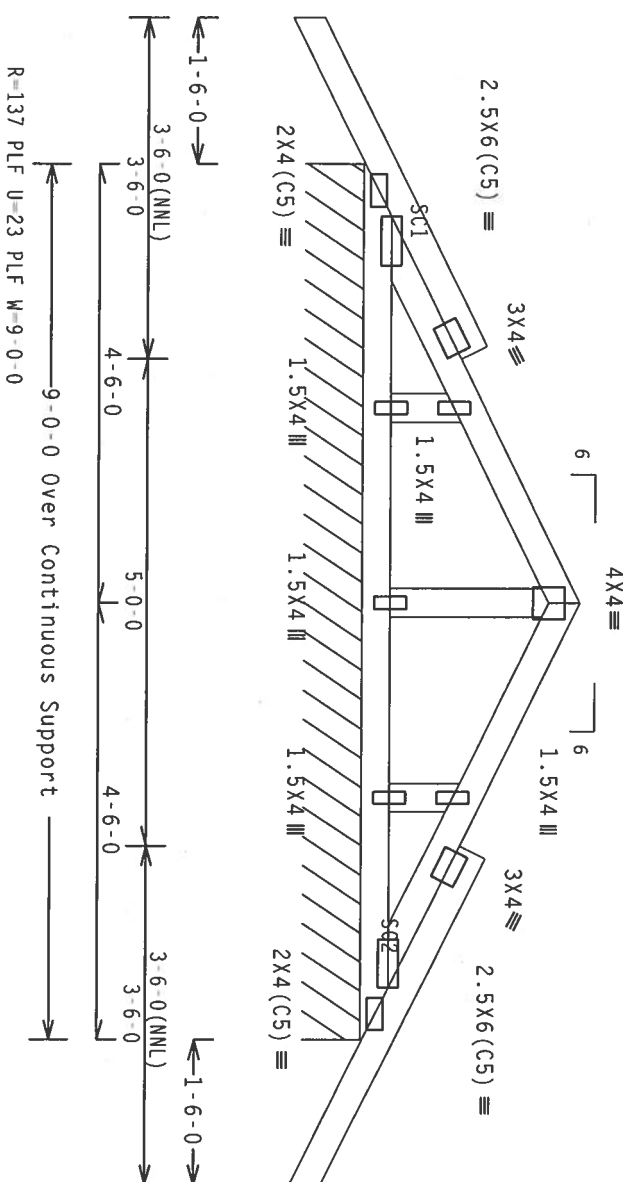
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

Stacked top chord must NOT be notched or cut in area (NNL).
Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in nottable area using 3x4 tie plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in nottable area using 3x6.

interface, plate length perpendicular to chord length. Splice top chord in notched area using 3x6.

Gable end supports 8" max rake overhang.



008

2-3-4

PLT TYP. Wave

Design Crit: $TP1-2002(STD)/FBC$
 $Cq/RT=1.00(1.25)$

PROPERTY: 1

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

Scale = .5" / Ft.

WARNING: THESE TRUCKS REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE INTERSTATE PLATE INSTITUTE, 6000 RIVER ROAD, SUITE 200, MADISON, MI 48139, AND MICA (MODUL TRUSS COUNCIL OF AMERICA, 6200 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 LIGID CEILING.

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

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

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

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROTECTIVE MEASURES AND THE SEALS OF THE CONTRACTOR.

DESIGN SHOWN. THE SOLIDABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TB11 SEC. 2



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

certificate **caption #**

TC LL	20.0 PSF	REF	R487-- 17297
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCUR487 06299076
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	134133
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1715487_201

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

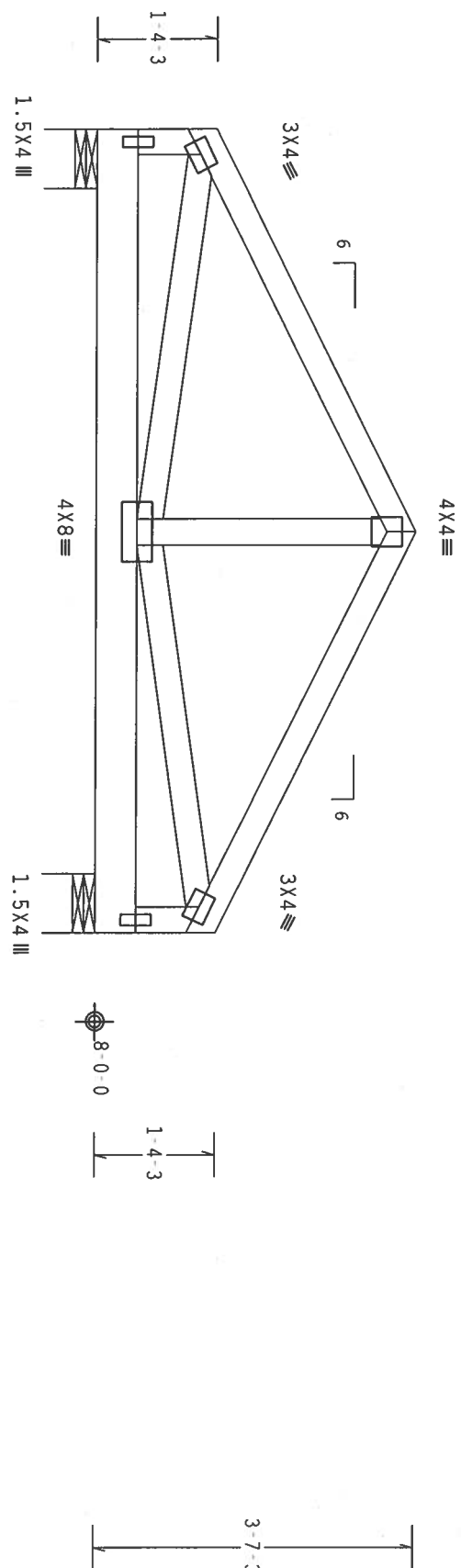
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 9.00
BC - From 20 PLF at 0.00 to 20 PLF at 9.00
BC - 261 LB Conc. load at 1.48, 3.48, 4.50, 5.52, 7.52

Wind reactions based on MMFRS pressures.

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



4'-6'-0" 4'-6'-0" 9'-0'-0 Over 2 Supports
R=1023 U=180 W=8" R=1023 U=180 W=8"

PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

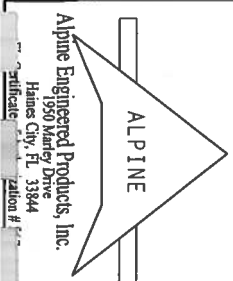
7.24.1

FL/-/4/-/R/-

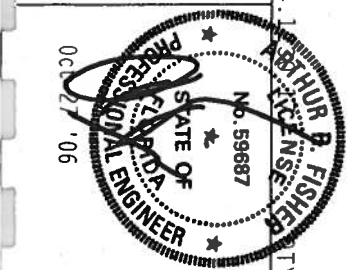
Scale = .5"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC1 1000 THROUGH BC1 1005 FOR TRUSS CONSTRUCTION. (SEE PLATE INSTITUTE 363 D'ONOFIO DR., SUITE 200, MADISON, WI 53715) AND WICK 1000 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 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 AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1664 (W/H/S/K) ASTM A653 GRADE 40/60 (K/1/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. SIGNATURE OF ENGINEER REQUIRED FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



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



TC LL	20.0 PSF	REF R487-- 17299
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUR487 06299078
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 134138
DUR.FAC.	1.25	
SPACING	24.0"	

JBEE-1TT5487_201

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

Right end vertical not exposed to wind pressure.

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



QTY: 1

Scale = .5" / Ft.

4.1. R. FISHER
LICENSE
No. 59687

****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 AIAA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2011ALCL3 (ALUMINUM 6061 T6) AND ARE 3/16" THICK. ALL OTHERS ARE 1/4" THICK.

Alpine Engineered Products, Inc.

1950 Marley Drive
Haines City, FL 33844
Certification # 55

DESIGN SHOW, 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 - - 17300
TC DL	10.0 PSF	DATE	10/26/06
BC DL	10.0 PSF	DRW	HCU8R487 06299079
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN -	134838
DUR.FAC.	1.25		
SPACING	24.0"	DRWF -	17TS487 201

JRFF-1TJ5487-Z01

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

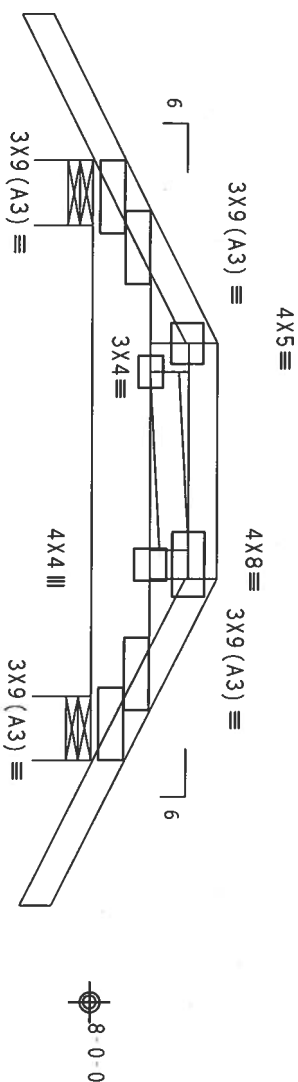
Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purins to brace TC @ 24" OC, BC @ 24" OC.

** The maximum concentrated load is 6048# **

SPECIAL LOADS			
	(LUMBER	DUR.FAC.=1.25	/ PLATE DUR.FAC.=1.25)
TC	From	62 PLF at 4.29 to	62 PLF at 7.67
BC	From	4 PLF at 1.50 to	4 PLF at 0.00
BC	From	20 PLF at 0.00 to	20 PLF at 6.17
BC	From	4 PLF at 6.17 to	4 PLF at 7.67
TC	15 LB Conc.	Load at 1.94,	3.08, 4.23
BC	6048 LB Conc.	Load at 0.35	
BC	9 LB Conc.	Load at 1.88	
BC	4 LB Conc.	Load at 1.94,	3.08
BC	1144 LB Conc.	Load at 4.29	

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



1-3-7

160

1-10-8	2-5-0	1-10-8
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160

6-2-0 Over 2 Supports $R=6544$ $U=1131$ $W=8"$ $R=1398$ $U=221$ $W=8"$

PLT TYP. Wave

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

7.24.1000
FL/4/-/R/

Scale = .5"/Ft.

Alpine Engineered Products, Inc.
1850 Market Drive

TC LL	20.0 PSF	REF R487-- 17301
TC DL	10.0 PSF	DATE 10/26/06
BC DL	10.0 PSF	DRW HCUSR487 06290080

SPACING 24.0" | JREF- 1T1S487_201

JREF - 1T1S487_201

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.

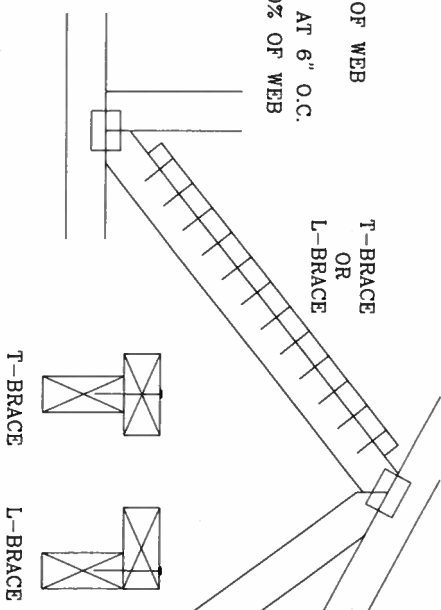
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

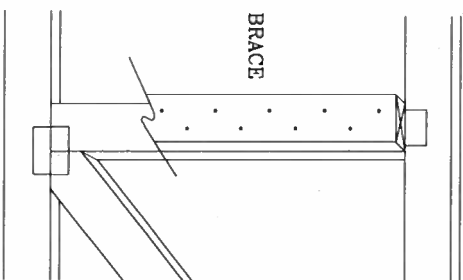
T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB
NARROW FACE
ATTACH WITH 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



THIS DRAWING REPLACES DRAWING 579,640

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-B3 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PRODUCTIONS, INC.), 2000 W. 10TH AVE., SUITE 200, HANSDEN, IL 60143, AND A7CA (A700) TRUSS COUNCIL OF AMERICA (A700), 2000 W. 10TH AVE., SUITE 200, HANSDEN, IL 60143, FOR THE PROPER BRACING OF THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TYPED CHORD SHALL HAVE LUGS ATTACHED TO FACED 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, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONNECTORS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, 2005) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 6061-T6 ALUMINUM (VIA/STK) ASTM A653 GRADE 50, 60, 60/40, 60/50, 60/60, 60/70, 60/80, 60/90, 60/100, 60/110, 60/120, 60/130, 60/140, 60/150, 60/160, 60/170, 60/180, 60/190, 60/200, 60/210, 60/220, 60/230, 60/240, 60/250, 60/260, 60/270, 60/280, 60/290, 60/300, 60/310, 60/320, 60/330, 60/340, 60/350, 60/360, 60/370, 60/380, 60/390, 60/400, 60/410, 60/420, 60/430, 60/440, 60/450, 60/460, 60/470, 60/480, 60/490, 60/500, 60/510, 60/520, 60/530, 60/540, 60/550, 60/560, 60/570, 60/580, 60/590, 60/600, 60/610, 60/620, 60/630, 60/640, 60/650, 60/660, 60/670, 60/680, 60/690, 60/700, 60/710, 60/720, 60/730, 60/740, 60/750, 60/760, 60/770, 60/780, 60/790, 60/800, 60/810, 60/820, 60/830, 60/840, 60/850, 60/860, 60/870, 60/880, 60/890, 60/900, 60/910, 60/920, 60/930, 60/940, 60/950, 60/960, 60/970, 60/980, 60/990, 60/1000, 60/1010, 60/1020, 60/1030, 60/1040, 60/1050, 60/1060, 60/1070, 60/1080, 60/1090, 60/1100, 60/1110, 60/1120, 60/1130, 60/1140, 60/1150, 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MAX GABLE VERTICAL LENGTH																	
CABLE SPACING	VERTICAL SPECIES	BRACE GRADE	NO BRACES	(1) 1x4 "L" BRACE *				(1) 2x4 "L" BRACE *				(2) 2x4 "L" BRACE **		(1) 2x6 "L" BRACE *		(2) 2x6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B		
12" O.C.	SPF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"				
		#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"				
		STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"				
	HF	STANDARD	3' 9"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"				
		#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"				
		#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"				
	SP	#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"				
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"				
		STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"				
	16" O.C.	SPF	#1 / #2	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"			
#3			4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"				
STUD			4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"				
HF		STANDARD	4' 4"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"				
		#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"				
		#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"				
SP		#3	4' 6"	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"				
		STUD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"				
		STANDARD	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	14' 0"				
24" O.C.		SPF	#1 / #2	4' 11"	8' 5"	8' 5"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"			
	#3		4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"				
	STUD		4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"				
	HF	STANDARD	4' 9"	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"				
		#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"				
		#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"				
	SP	#3	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"				
		STUD	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"				
		STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"				

GABLE TRUSS DETAIL NOTES:

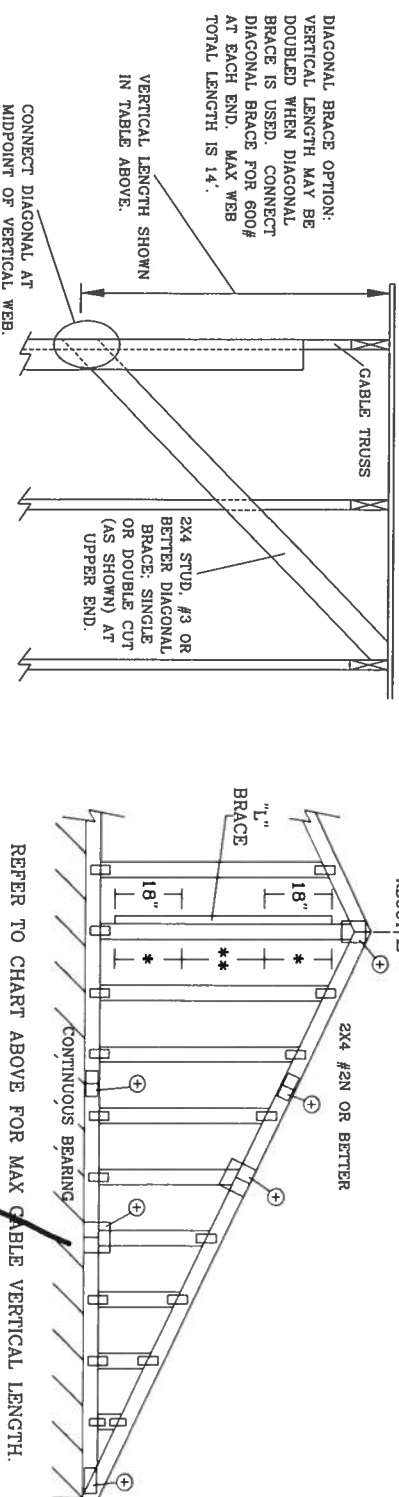
LIVE LOAD DEFLECTION CRITERIA IS L/240.
 PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER
 CONTINUOUS BEARING (6 PSF TC DEAD LOAD).
 GABLE END SUPPORTS LOAD FROM 4' 0"
 OUTLOOKERS WITH 2' 0" OVERHANG, OR 12"
 PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
 * FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C.
 IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
 ** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C.
 IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.
 "L" BRACING MUST BE A MINIMUM OF 80% OF WEB
 MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1x4 OR 2x3
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2x4
GREATER THAN 11' 6"	2x6

+ REFER TO COMMON TRUSS FOR
PEAK, SPLICE, AND HEEL PLATES.

REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.



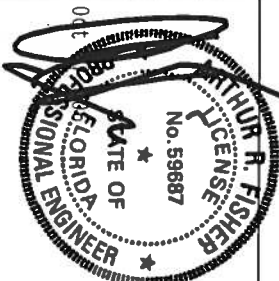
DIAGONAL BRACE OPTION:
 VERTICAL LENGTH MAY BE
 DOUBLED WHEN DIAGONAL
 BRACE IS USED. CONNECT
 DIAGONAL BRACE FOR 600#
 AT EACH END. MAX WEB
 TOTAL LENGTH IS 14'.

CONNECT DIAGONAL AT
 MIDPOINT OF VERTICAL WEB.

ALPINE

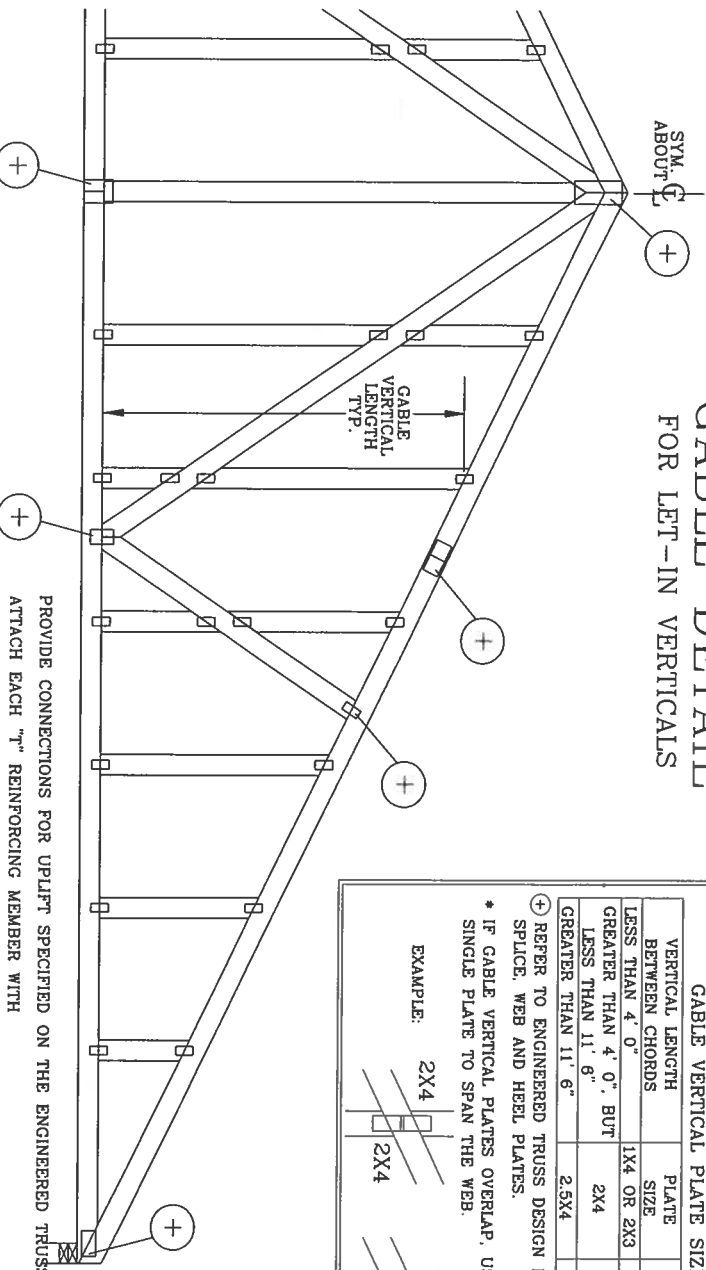
ALPINE ENGINEERED PRODUCTS, INC.
 POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND
 BRACING. REFER TO BEST PRACTICES FOR CONNECTIONS. THE COMPANY DOES NOT ACCEPT RESPONSIBILITY FOR
 PLATE INSTITUTE, 583 DUNDAS RD. 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 BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO
 BUILD TRUSSES AND BRACING IN ACCORDANCE WITH THE DESIGN, INCLUDING, INSTALLING &
 BRACING OF TRUSSES, DESIGN CONNECTIONS WITH APPLICABLE PROVISIONS, AND/OR ANY OTHER
 BY AEP/ALP AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1664 (VH/S/2) ASTM A653 GRADE
 40/60 (VH/S/2) 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 (I) SHALL
 BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF
 PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE
 SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING
 DESIGNER, PER ANSI/TPI 1 SEC. 2.



MAX. TOT. LD. 60 PSF	REF	ASCE7-02-CAB11015
MAX. SPACING 24' 0"	DATE	04/15/05
	DRWG	A11015EED0405
	ENG	

GABLE DETAIL FOR LET-IN VERTICALS

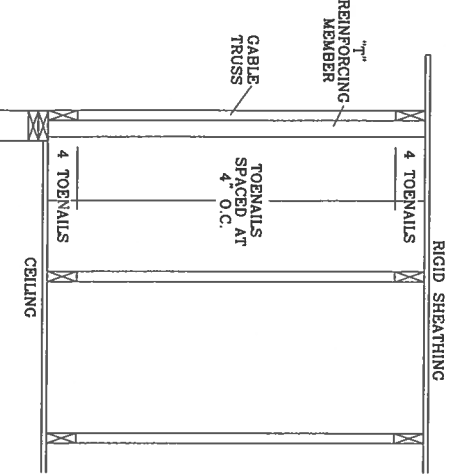


CABLE VERTICAL PLATE SIZES			
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*	
LESS THAN 4' 0"	1X4 OR 2X3	2X8	
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4	2X8	
GREATER THAN 11' 6"	2.5X4	2.5X8	

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

EXAMPLE:

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



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN. ATTACH EACH "T" REINFORCING MEMBER WITH:

HAND DRIVEN NAILS:

(4) 16d COMMON (0.162" X 3.5" MIN) TOENAILS IN TOP AND BOTTOM CHORD.

(4) TOENAILS IN TOP AND BOTTOM CHORD.

8d COMMON (0.131" X 2.5" MIN) TOENAILS AT 4" O.C. PLUS

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

ASCE 7-93 GABLE DETAIL DRAWINGS

A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103

ASCE 7-98 GABLE DETAIL DRAWINGS

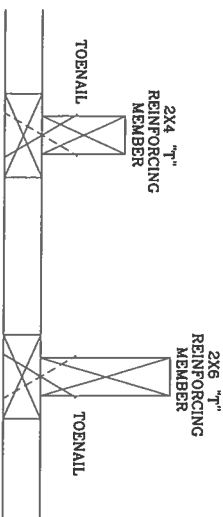
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103

A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103

ASCE 7-02 GABLE DETAIL DRAWINGS

A13015ED0405, A12015ED0405, A11015ED0405, A10015ED0405, A08515ED0405, A13030ED0405, A12030ED0405, A11030ED0405, A10030ED0405, A08530ED0405

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



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 CABLE 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" REINFORC. MEMBER 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 %	10 %
15 FT	2x6	20 %	40 %
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 "T" BRACE LENGTH = 6' 7"

MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH 1.10 x 6' 7" = 7' 3"

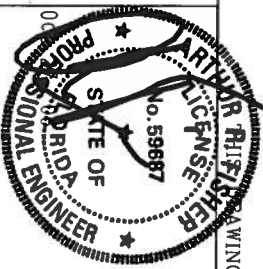
DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC511-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS INSTITUTE, 583 DUNDORF DR., SUITE 200, MADISON, VI, 53719) AND VITA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN, MADISON, VI 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, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (C/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 CD SHALL BE THE RESPONSIBILITY OF THE ENGINEER. THE PROFESSIONAL ENGINEER'S SEAL AND SIGNATURE SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



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

REF LET-IN VERT
DATE 04/14/05
DRWG GBLTETIN0405
-ENG DLJ/KAR



02143-000
20 Ac

2129-003
2.59 Ac

2129-001
1.95 Ac

2129-002

02129-000
54.41 Ac

Jerusalem Baptist Church
2138-001
2.4 Ac

02134-000
17.83 Ac

2138

2135-000
2.17 Ac

2138-003

2138-005

2136-003

2138-004

2138-002

2136-000

2136-001
2136

2136-004
2136

2127-003
2127

2130

2132

2127-002
2.5 Ac

30.32 Ac

02127-000

5.01