

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: IT33487-Z0113104003

Truss Fabricator: Anderson Truss Company
Job Identification: 6-415--Isaac Construction AUMAN -- , **
Truss Count: 48
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.24, 7.31.
Minimum Design Loads: Roof - 32.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed



Seal Date: 12/13/2006

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

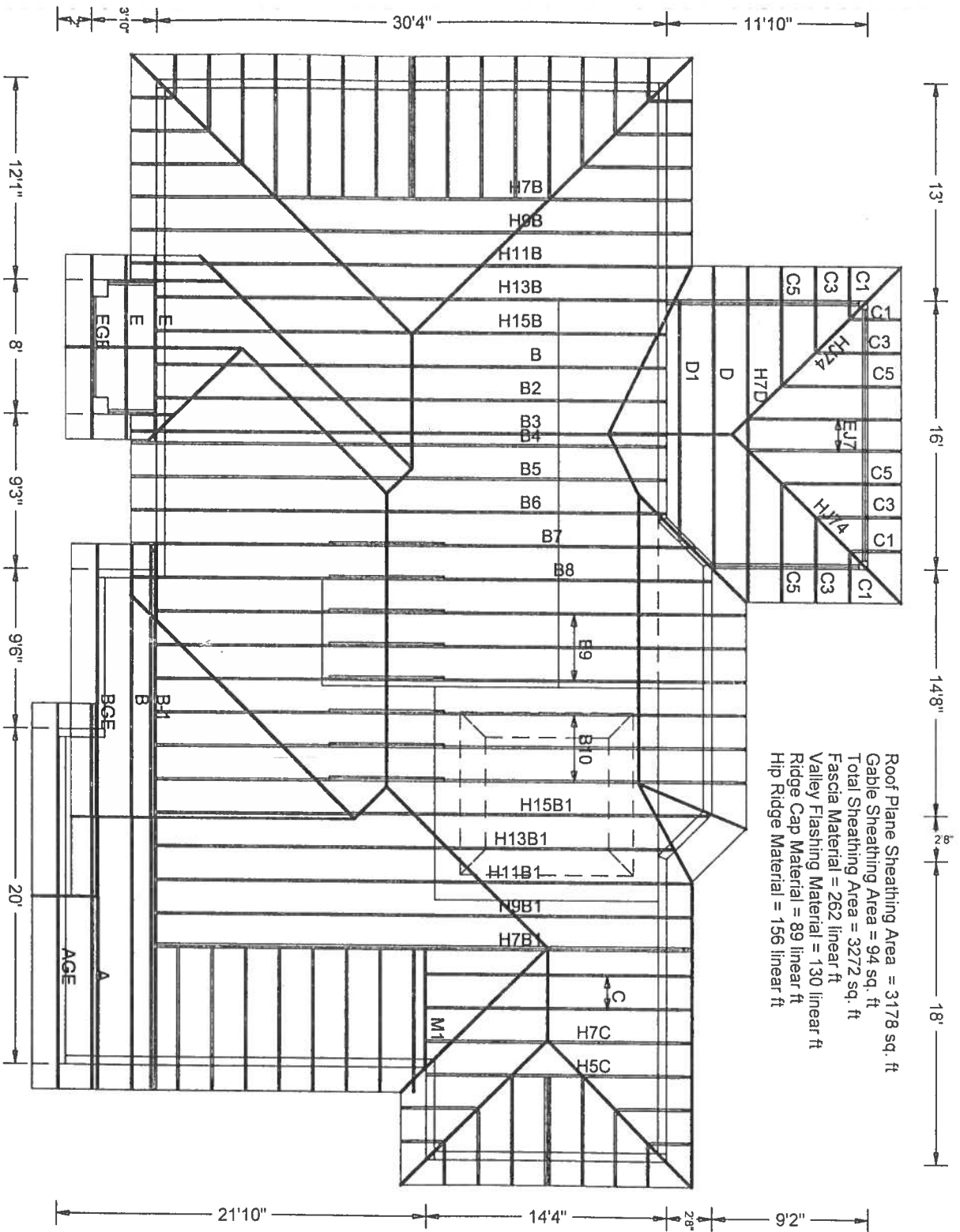
Details: A11015EE-GBLLETIN-BRCLBSUB-PIGBACKA-PIGBACKB-

#	Ref	Description	Drawing#	Date
1	03967--AGE		06347001	12/13/06
2	03968--A		06347002	12/13/06
3	03969--H7B		06347003	12/13/06
4	03970--B		06347004	12/13/06
5	03971--H9B		06347005	12/13/06
6	03972--H11B		06347006	12/13/06
7	03973--H13B		06347007	12/13/06
8	03974--H15B		06347008	12/13/06
9	03975--B		06347009	12/13/06
10	03976--B2		06347010	12/13/06
11	03977--B3		06347011	12/13/06
12	03978--B4		06347012	12/13/06
13	03979--B5		06347013	12/13/06
14	03980--B6		06347014	12/13/06
15	03981--B7		06347015	12/13/06
16	03982--B8		06347016	12/13/06
17	03983--B9		06347017	12/13/06
18	03984--B10		06347018	12/13/06
19	03985--H7B1		06347019	12/13/06
20	03986--H9B1		06347020	12/13/06
21	03987--H11B1		06347021	12/13/06
22	03988--H13B1		06347022	12/13/06
23	03989--H15B1		06347023	12/13/06
24	03990--B-1		06347024	12/13/06
25	03991--BGE		06347046	12/13/06
26	03992--C3		06347025	12/13/06
27	03993--C5		06347026	12/13/06
28	03994--H5C		06347027	12/13/06
29	03995--H7C		06347028	12/13/06
30	03996--C		06347029	12/13/06
31	03997--H7D		06347030	12/13/06
32	03998--D		06347031	12/13/06
33	03999--D1		06347032	12/13/06
34	04000--E		06347033	12/13/06
35	04001--EGE		06347034	12/13/06
36	04002--C1		06347035	12/13/06

#	Ref	Description	Drawing#	Date
37	04003--HJ74		06347036	12/13/06
38	04004--EJ7		06347037	12/13/06
39	04005--CJ1		06347038	12/13/06
40	04006--HJ7		06347039	12/13/06
41	04007--HJ5		06347040	12/13/06
42	04008--CJ3		06347041	12/13/06
43	04009--CJ5		06347042	12/13/06
44	04010--EJ7		06347043	12/13/06
45	04011--EJ5		06347044	12/13/06
46	04012--M1		06347045	12/13/06
47	04013--AP		06347048	12/13/06
48	04014--AP		06347047	12/13/06



ISAAC CONSTRUCTION / AUMAN JOB 6-415 12/12/06



JOB DESCRIPTION:: Isaac Construction
 /: AUMAN

JOB NO:
 6-415

PAGE NO:
 1 OF 1

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

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

See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

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

Design Crit: TPI-2002(STD)/FBC

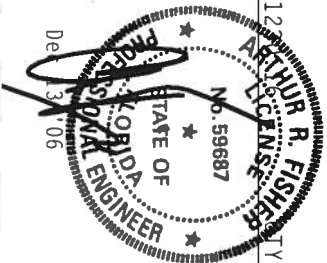
$$Cq/RT=1.00(1.25)/10(0) \quad 7.24.12$$

Scale = .3125" / Ft.

TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING DESIGN CONFORMING WITH AND IDENTICAL PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AREA) AND INT.

REF	R487 - 3967
DATE	12/13/06
DRW	HCUSR487 06347001
HC-ENG	DAL/AF

1950 Marney Drive
Haines City, FL 33844
Certificate zation



DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1T33487 201

[illegible]

Weds 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 MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/10(0) \quad 7.24.1$$

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

Scale = .25"/Ft.

*****WARNING*****
 THESE RECORDS EXIST IN CARBON COPY, HANDWRITING, SHIPPING, INSTALLING AND BRACING
 REFERENCE TO THESE RECORDS (BOLDED COMPONENT STATE INFORMATION), PUBLISHED BY TPI, (TRESS PLATE INSTITUTE), 218
 HORTON LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND APCA (WOOD JOINTS COMMITTEE OF AMERICA), 6500
 ENTERPRISE LANE, MANASSAS, VA 20109 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
 OTHERWISE INDICATED, FOR CROSBY SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CROSBY SHALL HAVE
 PROPERLY ATTACHED RIGID CEILING.

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

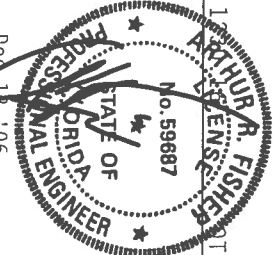
IRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC., BY AIAA) AND TP1 CONNECTOR PLATES ARE MADE OF 7075-T6 ALUMINUM WITH 100% TENSILE STRENGTH.

PLATES TO EACH FACE OF CROSS 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 PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY

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 - 3968
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06347002
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN -	140662
DUR.FAC.	1.25		
SPACING	24.0"	JRF -	1T3487_Z01

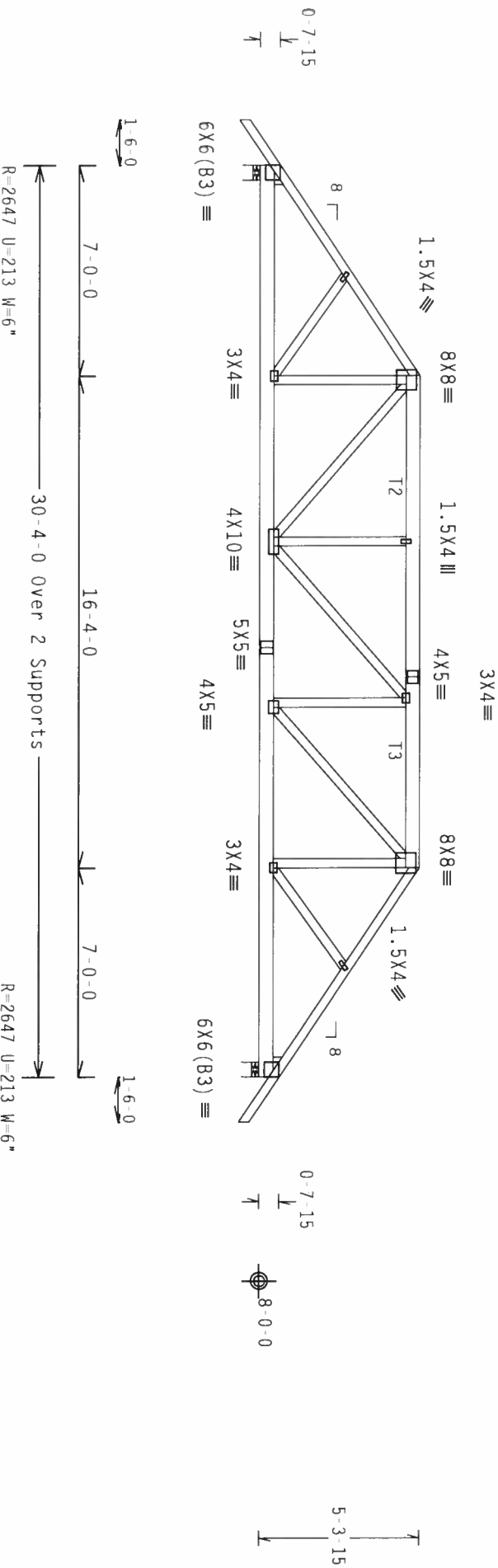
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC

DL=5.0 psf.

Wind reactions based on MWFRS pressures.

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

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



Scale = .1875"/Ft.

WARNING THESE REQUIRE EXERCISE CARE IN FABRICATION, HANDLING, DRIPPING, INSTALLING AND PACKING TO AVOID FIRE HAZARD. SEE THE FOLLOWING FOR MORE INFORMATION. PUBLISHED BY IPI (CRUSS) RESEARCH INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WIC-WOOD TRUSS COMPANY OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE CONCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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


PRODUCTS, INC SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH FIG. 1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFLICTS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN CODE, BY AREA AND THE AIRBORNE

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DETAIL, POSITION PER DRAWINGS 1604.2 CONNECTION PLATES ARE MADE OF 20/18/16GA (MIL/55/3K) 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 IP11 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

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.

Age Group	A	B	C	D	E
18-24	65%	25%	10%	5%	1%
25-34	60%	30%	10%	5%	1%
35-44	55%	35%	10%	5%	1%
45-54	50%	40%	10%	5%	1%
55-64	45%	45%	10%	5%	1%
65+	40%	50%	10%	5%	1%



ALPINE

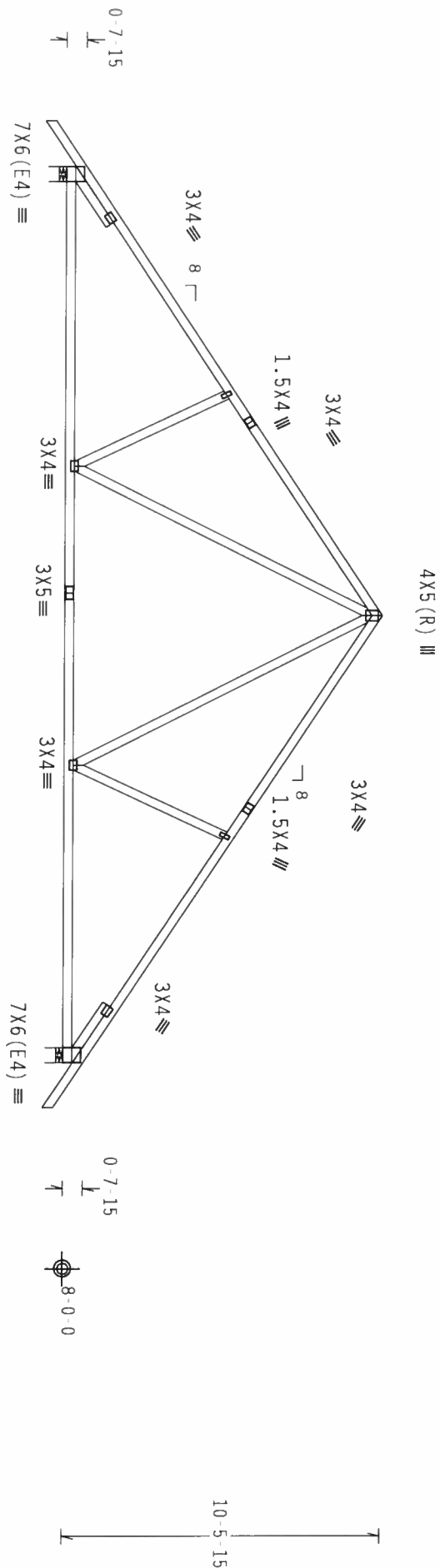
Alpine Engineered Products, Inc.
 1950 Mable Drive
 Haines City, FL 33844
 Telephone: (813) 939-7777
 Telex: 542000
 Fax: (813) 939-7777

TC LL	20.0 PSF	REF	R487 - 3969
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06347003
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	140714
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	IT33487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.227'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.227'

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



PLT TYP. Wave

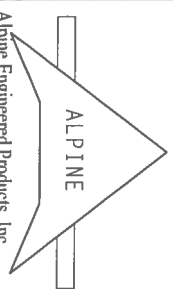
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

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

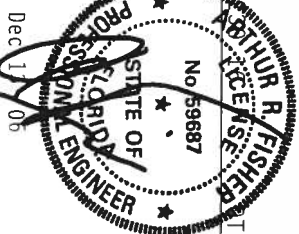
Scale = .1875"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6300 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 THROUGH 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 BMS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. ALPINE



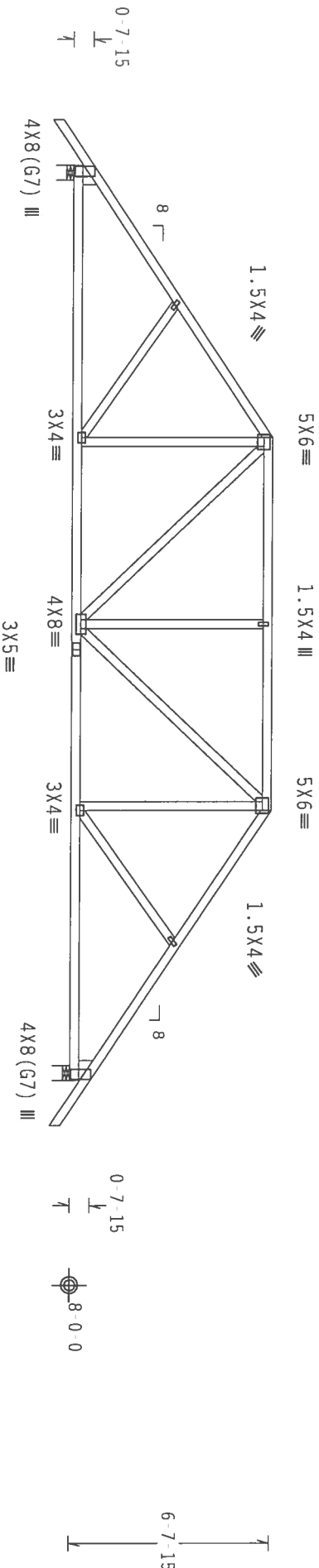
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Attention # 57



TC LL	20.0 PSF	REF	R487-- 3970
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06347004
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT. LD.	40.0 PSF	SEQN	140666
DUR. FAC.	1.25		
SPACING	24.0"	JRFF	1T33487_201

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Lt Studded Wedge 2x6 SP #2::Rt Studded 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 MWFRS pressures.
Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.



1'-6" 0'-7'-15
9'-0'-0 12'-4'-0 9'-0'-0
R=1378 U=180 W=6"
30'-4'-0 Over 2 Supports
R=1378 U=180 W=6"

PLT TYP. Wave

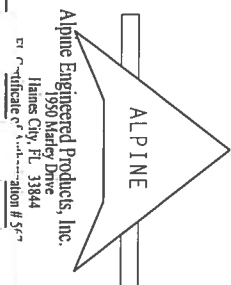
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.12

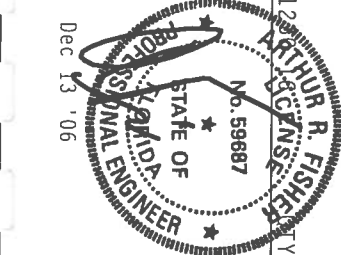
Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSSES OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****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 CONNECTION PLATES ARE MADE OF 2018/16GA (48/15/5/5) ASTM A653 GRADE 40/60 (4, K/H/SS) GALV. STEEL. APPLY ANY INSULATION OR CLADDING TO THE EXTERIOR OF THE TRUSS. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY BY THE TRUSS COMPONENT BUILDING DESIGNER PER AWS/1P1 1 SEC. 2.



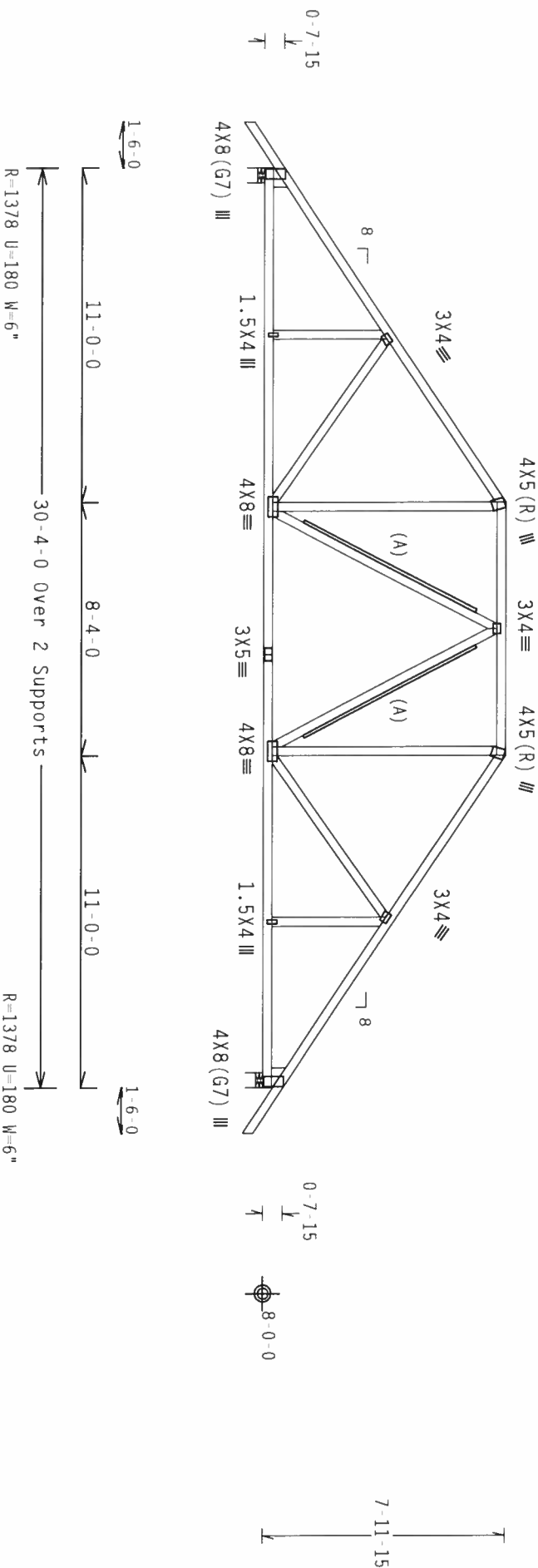
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certified Professional Engineer #577



TC LL	20.0 PSF	REF	R487--3971
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCSR487 06347005
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT. LD.	40.0 PSF	SEQN	140720
DUR. FAC.	1.25		
SPACING	24.0"	JRFF	1T33487_201

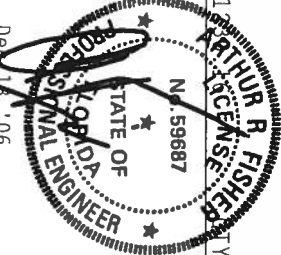
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.



Scale = .1875"/Ft.

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R487 - 3972
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCU8487 06347006
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	140724
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	1T33487_201

[illegible]

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 MAFRS pressures.

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



Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R487 - 3973
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06347007
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	140740
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T33487_201

A. כנעני וס שווייטער (כעמפאניאנעס א שטער) ווען ער וועט זיין שווייטער

Weds 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 11, EXP B, wind TO DL-5.0 psf, wind BC DL-5.0 psf.

Wind reactions based on MMFRS pressures.
Right end vertical not exposed to wind pressure.



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

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

7.24.

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

Scale = .1875"/Ft.

WARNING
 THESE REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING
 REFER TO BC51 (BUILDING COMPONENT SPECIFICATION), PUBLISHED BY IPI (STEEL PATE INSTITUTE), 218
 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WCA (WOOD JOINTS COMMITTEE OF AMERICA), 6300
 ENTERPRISE LANE, MANASSAS, VA 52719 FOR SPECIFIC PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
 OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
 PROPERLY ATTACHED RIGID CEILING.

*** 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 THIS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. TRUSS COVERED WITH APPROVED PROTECTIVE COATING. NO OTHER PROTECTIVE COATING SHALL BE USED.

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY ALPHA) AND TPI. ALPHINE CONNECTOR PLATES ARE HADT OF 2014R/16GA (4 H/SS/K) ASTM A653 GRADE 40/60 (4 K/40 ES) C41V STEEL. APPROX

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

FL/-/4/-/-/R/-		Scale = .1875"/ft.
TC LL	20.0 PSF	REF R487 - 3974
TC DL	10.0 PSF	DATE 12/13/06
BC DL	10.0 PSF	DRW HCUSR487 06547008
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN 140737
DUR.FAC.	1.25	
SPACING	24.0"	JRFF - 1T33487 201

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X
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Z

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.

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

Scale = .1875"/Ft.

No. 59687

WEEK

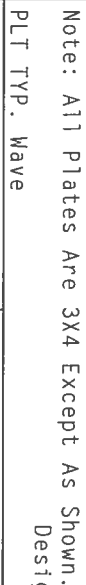


Dec 13 '06

Dec 13 '06

REF	R487 - - 3975
DATE	12/13/06
DRW	HCU8R487 06347009
HC-ENG	DAL/AF
SEQN -	140744
JPRFF -	1T3Q487 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.



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

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

Scale = .1875"/Ft.

WARNING: THESE REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO DCSP (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FPL (FOREST PRODUCTS INSTITUTE), 2180 HORTON LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6500 ENTERPRISE LANE, HANNOISBURG, NY 52319 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR
 BEFORE THE CONTRACT IS SIGNED. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR ANY OMISSIONS FROM THIS DESIGN.

PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IPI; 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 (H-H/SS/K) ASTM A653 GRADE 40/60 (H-K/H-SS) GALV. STEEL. APPLY

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z
ANY INSPECTION OF PLATES FOLLOWED BY A QUALITY CONTROL CHECK AT THE END OF THE INSPECTION

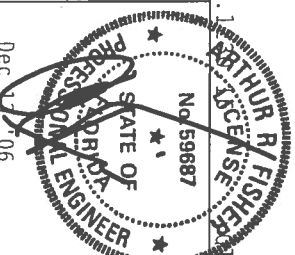
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

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.

[illegible]

ALPINE
Engineered Products, Inc.
1950 Maple Drive
Haines City, FL 33844
Telephone: 813/281-1100
Telex: 511000
Fax: 813/281-1100

Figure 1



TC LL	20.0 PSF	REF	R487 - -	3976
TC DL	10.0 PSF	DATE	12/13/06	
BC DL	10.0 PSF	DRW	HCUSR487	06347010
BC LL	0.0 PSF	HC-ENG	DAL/AF	
TOT.LD.	40.0 PSF	SEQN-	140748	
DUR.FAC.	1.25			
SPACING	24.0"	JRFF-	1T33487	201

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.

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

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

...FENSCH...

FL/4/-/R/-

Scale = .1875"/Ft.

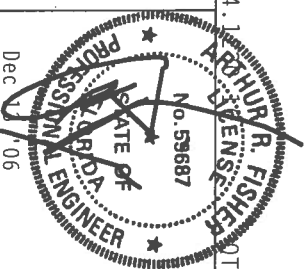
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

PROUDLOS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSSES 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. AISC

Alpine Engineered Products, Inc.

1950 Marley Drive
Haines City, FL 33844

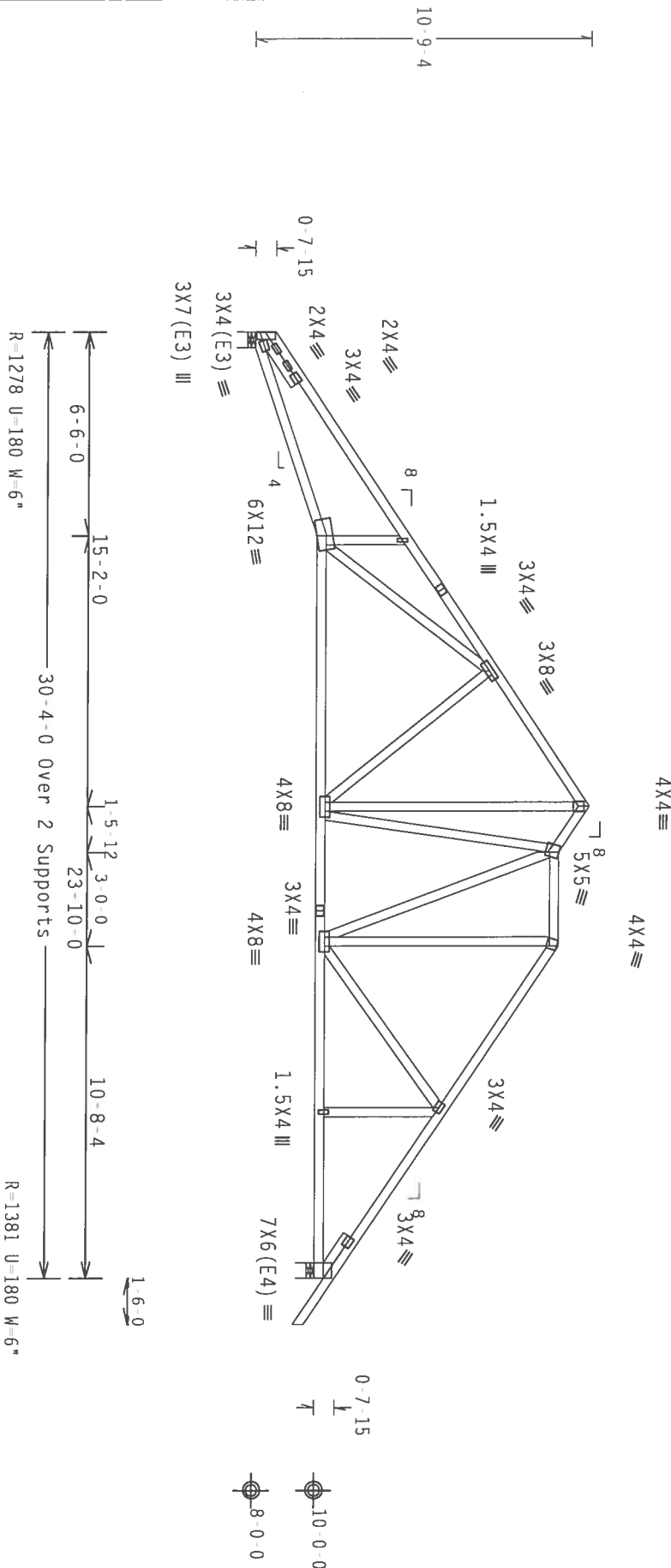
zation the



TC LL	20.0 PSF	REF	R487 - 3977
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06347011
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	140752
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T33487-201

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 11, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/10(0) \quad 7.24.1$$

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

Scale = .1875"/Ft.

*****WARNING*****
 THESE RECURRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACKETING
 REFLECT TO DGCI (SHOULD COMPONENT STATE INFORMATION). PUBLISHED BY IPI, (GROSS PAPER, INSTALLED) 218
 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND AICA (WOOD JOINTS COMMITTEE OF AMERICA, 6500
 ENTERPRISE LANE, HANNOVER, VA 22960) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS
 OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
 PROPERLY ATTACHED RIDGE 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 THE OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. IN THE EVENT OF ANY DAMAGE TO THE TRUSS, THE TRUSS SHALL BE REBUILT AT THE BUYER'S RISK AND EXPENSE.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF RDS (NATIONAL DESIGN SPEC, BY AASHTO) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 304/316SS (40 HRC MIN) WITH 3000 GRADE ANODIZING ON BOTH SIDES.

CONSTRUCTION MATERIALS: BRIDGE OF 20'/03"/1000 (W./0553/6) 4518 IN AND 50/60 (W. K/0.55) GALV. STEEL. APPL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC 3. A SEAL ON THIS

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

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

15 JANUARY 2005

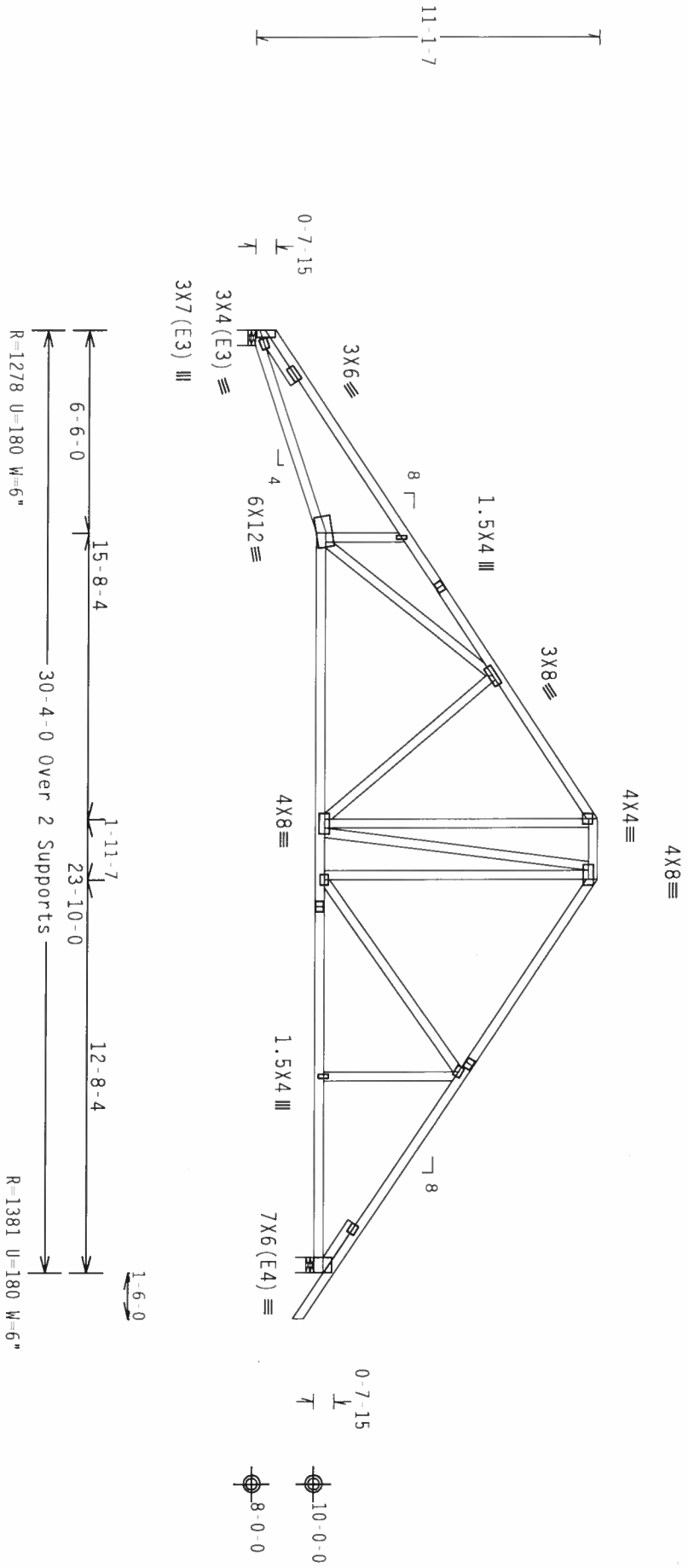
Dec 3 '06

FL/-/4/-/-/R/-		Scale=.1875"/Ft.
TC LL	20.0 PSF	REF R487 - 3978
TC DL	10.0 PSF	DATE 12/13/06
BC DL	10.0 PSF	DRW HCURS487 06347012
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN 140756
DUR.FAC.	1.25	
SPACING	24.0"	JRFF - 1T3Z487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Lt Slider 2x4 SP #2 Dense: BLOCK LENGTH = 2.047'
Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.873'

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.



Note: All Plates Are 3x4 Except As Shown.

PLT TYP. Wave

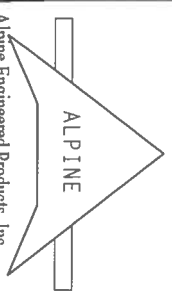
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12

FL/-/4/-/R/-

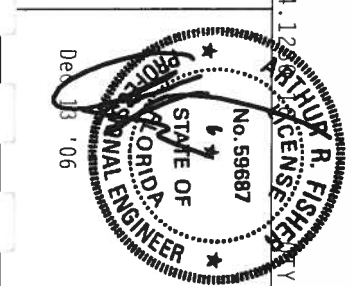
Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI TRUSS CO. OF AMERICA, 6500 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WITH GOOD TRUSS COMPANY OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****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 THIS (NATIONAL DESIGN SPEC. BY AREA) AND TPI. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THIS DESIGN. POSITION PER DRAWINGS 100A, Z.



Alpine Engineered Products, Inc.
James City, FL 33844
Haines City, FL 33844
Certificate # 13106



TC LL	20.0 PSF	REF	R487--	3979
TC DL	10.0 PSF	DATE	12/13/06	
BC DL	10.0 PSF	DRW	HGUSR487	06347013
BC LL	0.0 PSF	HC-ENG	DAL/AF	
TOT. LD.	40.0 PSF	SEQN-	140761	
DUR. FAC.	1.25			
SPACING	24.0"	JRFF-	1T33487	201


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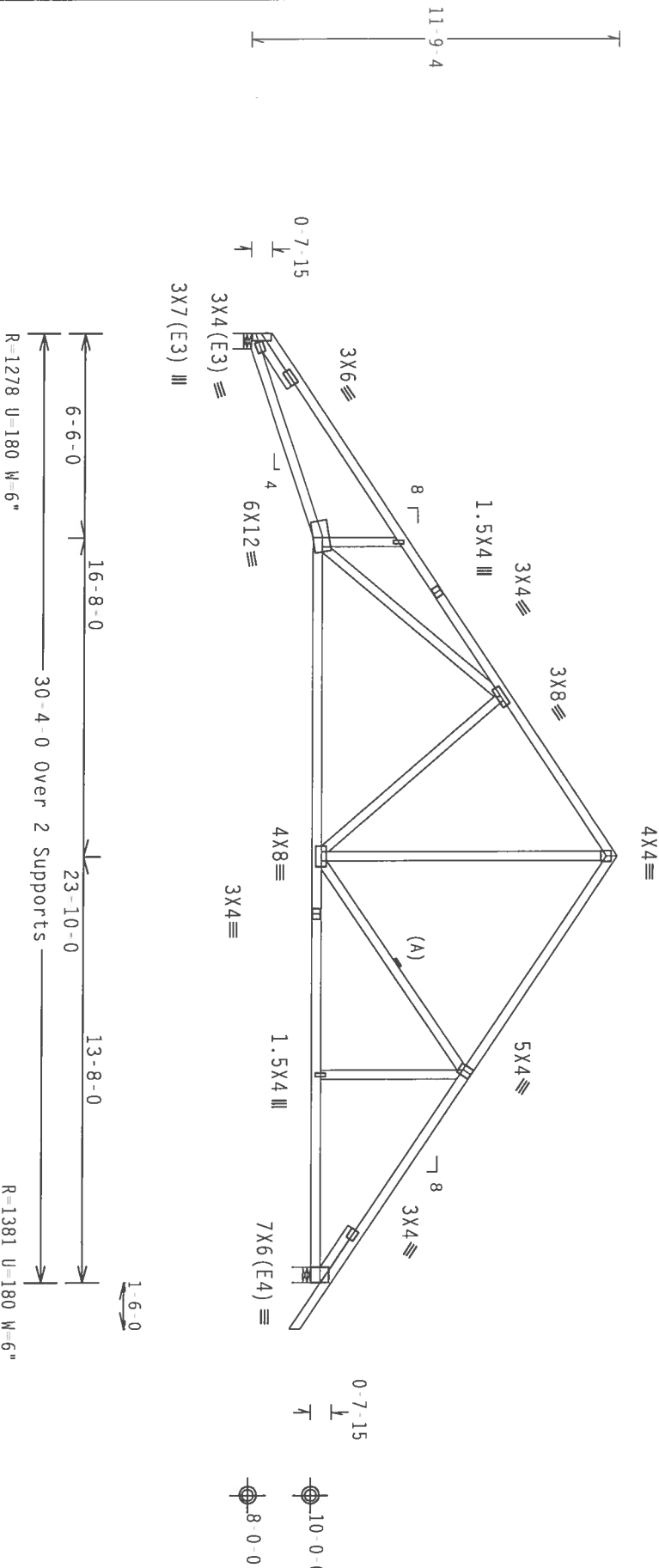
Webs 2x4 SP #3
:lt Slider 2x4 SP #2 Dense: BLOCK LENGTH = 2.047'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.020'

```

(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.

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 TD DL=5.0 psf, wind BC DL=5.0 psf.



PLT TYP. Wave

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

7.24.120816/FL/-/4/-/-/R/

Scale = .1875"/Ft.

****WARNING**** ISSUES REQUIRING EXPERT CARE IN FABRICATION, HANDLING, SHIPMENT, INSTALLING AND BRACING REFER TO ROSES (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE FIBRE PAPER INSTITUTE, 218 NORTH LEX STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND AFCA (WOOD FIBRE COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, FAIRFAX, VA, 22031 FOR SAFETY PRACTICES RELATIVE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ROSE SHOWN HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ANCHORED 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. SEE ATTACHED DRAWINGS.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, 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, SS/K) ASTM A653 GRADE 40/60 (W, K/H, SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA-2

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

DESIGN SHOW. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/HP1 1 SEC. 2.



ALPINE
Alpine Engineered Products, Inc.
1930 Market Drive

Certificate Registration #
Llaines City, FL 33844

TC LL	20.0 PSF	REF	R487 - 3980
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487_06347014
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN	140770
DUR.FAC.	1.25		
SPACING	24.0"	JRFF	1T33487_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 T 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

[illegible]

TC LL	20.0 PSF	REF	R487 - 3981
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06547015
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	140779
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T33487 Z01

3

#

10

020

U

31



R=1475 U=180 W=6"

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

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

PROPERTY: 1

Scale = .1875"/Ft.

➤

★ ★

11

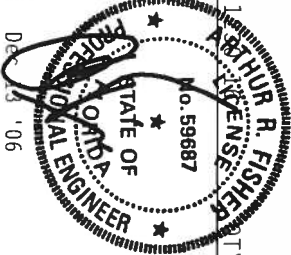
2

1

B30



Alpine Engineered Products, Inc.
1050 North Drive

[illegible]

TC LL	20.0 PSF	REF	R487 - - 3982
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06347016
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEGN-	140783
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T33487_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.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require

publication for additional information.

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

 $Cq/RT=1.00(1.25)/10(0) \quad 7.24.1$

EXPENSE

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

Scale = .1875"/Ft.

No. 59687

NE

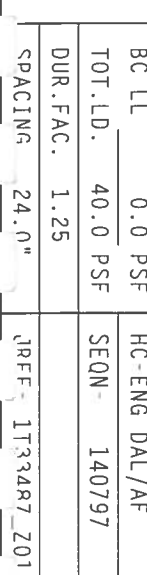
5

DEC 20 00

TC LL	20.0 PSF	REF	R487-- 3983
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRN	HCUSR487 0634701
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	140791
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	1T33487_201

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

Right end vertical not exposed to wind pressure.



Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #1 Dense :B2 2x6 SP #2:
Webs 2x4 SP #3

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 1.50 to 64 PLF at 7.00
TC - From 64 PLF at 7.00 to 64 PLF at 30.33
BC - From 5 PLF at 1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 30.33
TC - 198 LB Conc. Load at 15.06, 17.06, 19.06, 21.06, 23.06
25.06, 27.06, 29.06
BC - 1187 LB Conc. Load at 14.40
BC - 85 LB Conc. Load at 15.06, 17.06, 19.06, 21.06, 23.06
25.06, 27.06, 29.06

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.

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

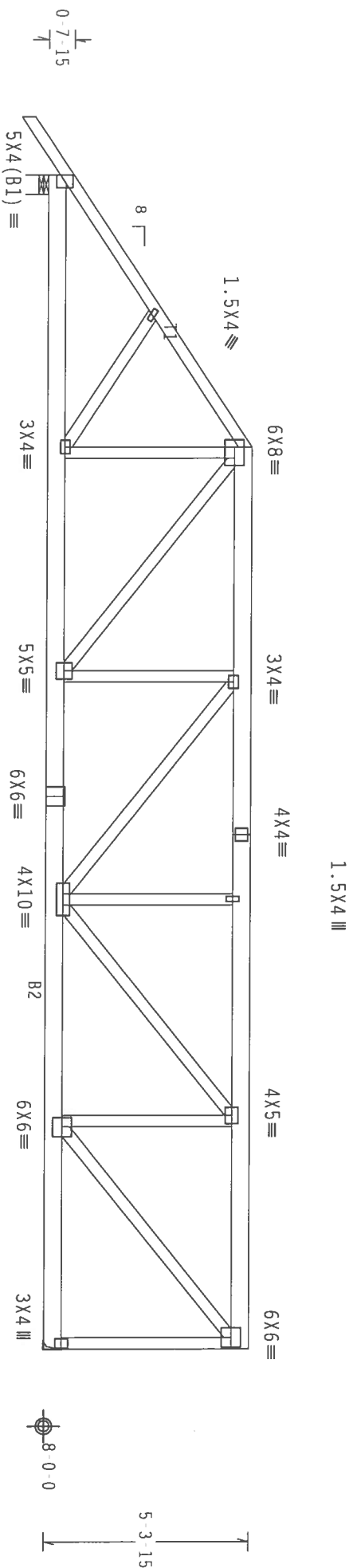
2 COMPLETE TRUSSES REQUIRED

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.
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.

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



R-2631 U-410 W=6"

23'-4"

PLT TYP. Wave

Design Cmt: TPI 2002(30-4-0 Over 2 Supports - Cq/RT=1.00(1.25)/10(0) 7.31.



FL/-/4/-/R/-

Scale = .25"/ft.

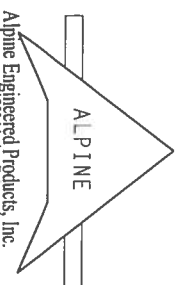
WARNING TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO GC'S (BUILDING COMPONENT SAFETY INFORMATION) FOR INSTRUCTIONS. IT IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER TO PROVIDE THE TRUSS WITH THE NECESSARY INFORMATION TO BE USED IN THE CONSTRUCTION OF THE BUILDING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS.

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. FOR ALPINE) AND TPI. APPLY FACTORS TO EACH FACE OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2.

ALPINE ENGINEERED PRODUCTS, INC. 1950 Marley Drive, Amesbury, MA 01921. PHONE: 978-932-1111. FAX: 978-932-1112. WWW.ALPINE-TRUSSES.COM

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



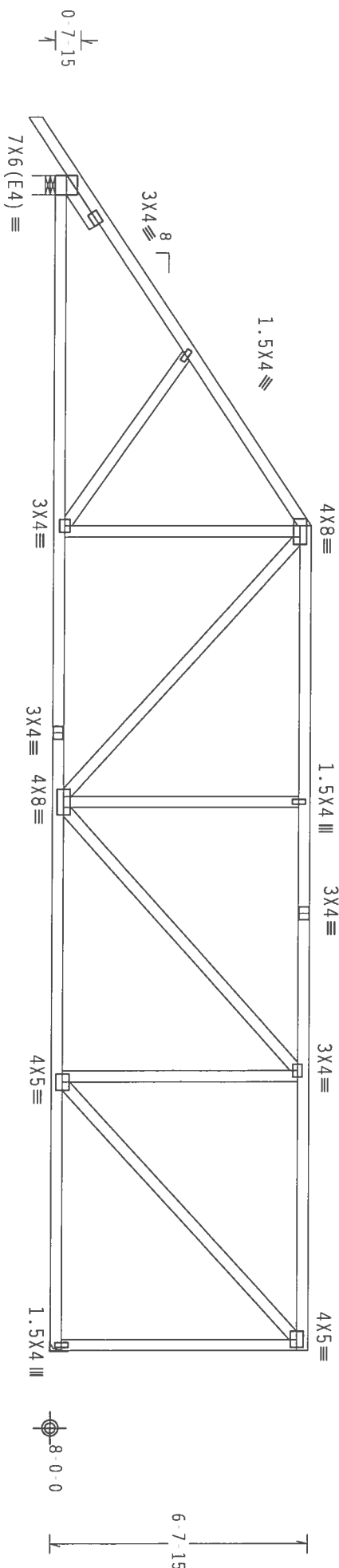
Alpine Engineered Products, Inc.
1950 Marley Drive
Amesbury, MA 01921
Phone: 978-932-1111
Fax: 978-932-1112
WWW.ALPINE-TRUSSES.COM

TC LL	20.0 PSF	REF	R487--	3965
TC DL	10.0 PSF	DATE	12/13/06	
BC DL	10.0 PSF	DRW	HCUSR487	06347019
BC LL	0.0 PSF	HC-ENG	DAL/AF	
TOT.LD.	40.0 PSF	SEQN-	14478	REV
DUR.FAC.	1.25			
SPACING	24.0"	JRFF-	IT33487	201

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 w/d, 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.



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

 $Cq/RT=1.00(1.25)/10(0) \quad 7.24.1$

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

Scale = .25" / Ft.

*MARINE/IN	INVESTS REQUIRE EXTREME CARE IN FABRICATION.	HANDLING, SHIPPING, INSTALLATION AND BRACING
**TO BCCI	ENROLLING COORDINATE SAFETY INFORMATION.	PUBLISHED BY TPI, (THIRD PARTY INSTITUTE) 218
MORTH LEE STREET,	SUITE 312, ALEXANDRIA,	VA 22314
ENTERPRISE LANE,	HAZOSIN #1 53/139 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS.	UNLESS
OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANS AND BOTTOM CHORD SHALL HAVE		
PROPERLY ATTACHED RIGID CEILING		

FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AASHTO) AND TPI

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 FOR THE ABOVE CONSTRUCTION

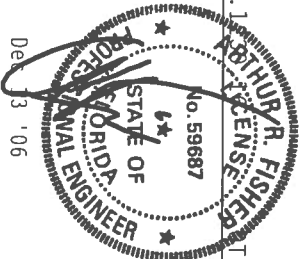
DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND ARCHITECT.

BUILDING DESIGNER PER ANSI/SPRI 1 SEC. 2.

ALPINE

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

Product # _____
Certification # _____



R-1272 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		
Girder is (1)2x6 min. So.Pine		
FL/-/4/-/R/-		Scale =.25"/Ft.
TC LL	20.0 PSF	REF R487 - 3986
TC DL	10.0 PSF	DATE 12/13/06
BC DL	10.0 PSF	DRW HCUR487 06347020
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEON - 140812
DUR.FAC.	1.25	
SPACING	24.0"	IRFF - IT33487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B1 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.

Calculated horizontal deflection is 0.11" due to live load and
0.18" 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.

(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.

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

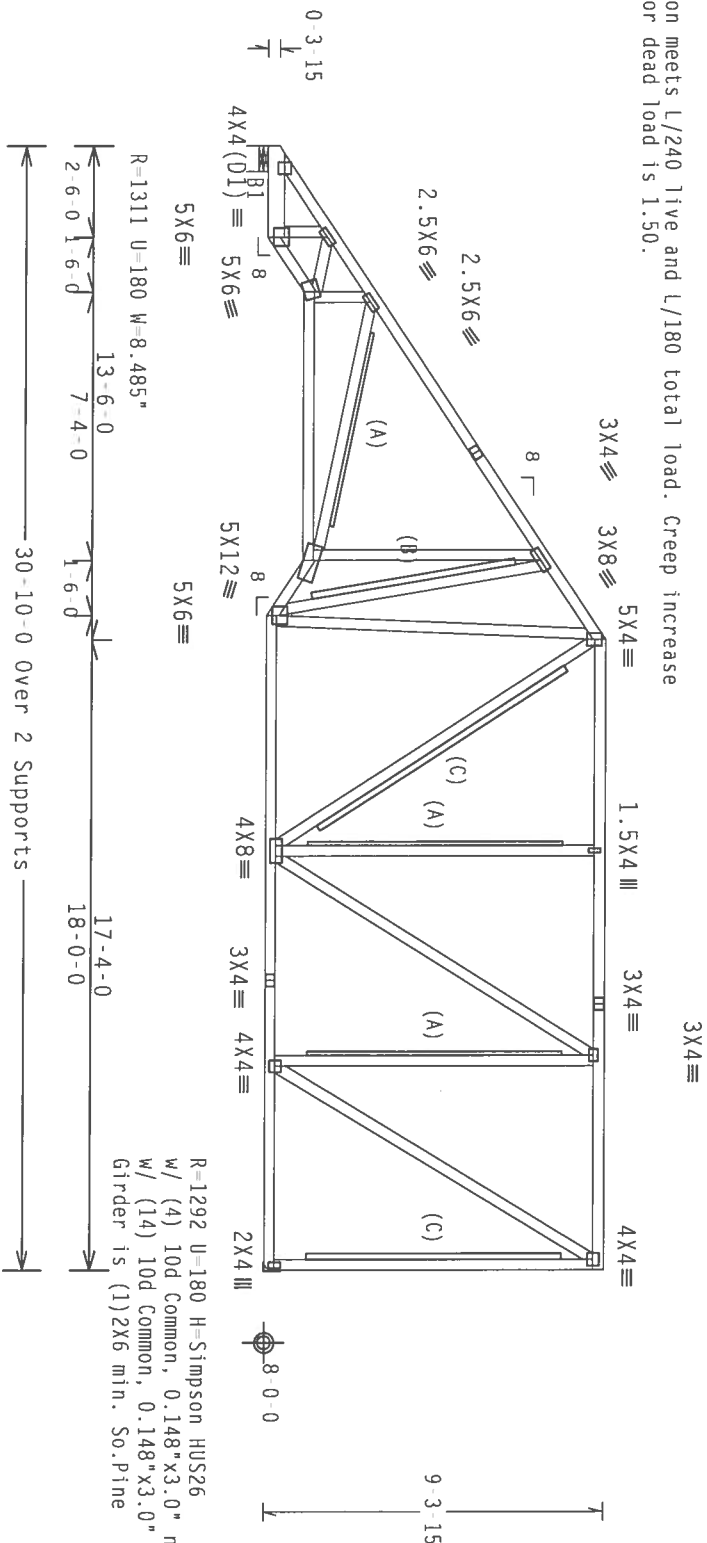
SPECIAL LOADS

TC - From	64 PLF at 0.00 to	64 PLF at 13.50
TC - From	64 PLF at 13.50 to	64 PLF at 30.83
BC - From	20 PLF at 0.00 to	20 PLF at 2.50
BC - From	24 PLF at 2.50 to	24 PLF at 4.00
BC - From	20 PLF at 4.00 to	20 PLF at 11.33
BC - From	24 PLF at 11.33 to	24 PLF at 12.83
BC - From	20 PLF at 12.83 to	20 PLF at 30.83

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.

(C) 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.



PLT TYP. Wave

Design Cr't: TPI-2002(STD)/FBC

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

FL/-/4/-/R/-

Scale = 1875"/ft.

WARNING TRUSSES ARE NOT TO BE USED IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
HOBAS LEE STREET, SUITE 312, ALEXANDRIA, VA 22304. AND LEE STREET, SUITE 312, ALEXANDRIA, VA 22304. 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.

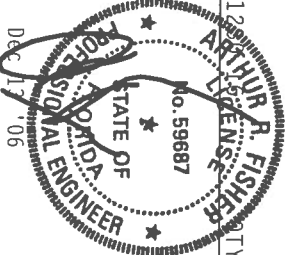
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE
DESIGN CONFORMS WITH THE FOLLOWING: OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES,
CONNECTIONS WITH APPLICABLE PROVISIONS OF AOS (NATIONAL DESIGN SPEC., BY AREA) AND TPI.

CONNECTIONS WITH APPLICABLE PROVISIONS OF AOS (NATIONAL DESIGN SPEC., BY AREA) AND TPI. APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2,
AND INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA AS OF TPI 2002 SEC.3. A SEAL ON THIS
DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT
BUILDING DESIGNER PER AREA TPI 1 SEC. 2.

Alpine Engineered Products, Inc.

1990 Marley Drive
James City, FL 33844

Certificate #



TC LL	20.0 PSF	REF	R487--	3988
TC DL	10.0 PSF	DATE	12/13/06	
BC DL	10.0 PSF	DRW	HCUSR487	06347022
BC LL	0.0 PSF	HC-ENG	DAL/AF	
TOT.LD.	40.0 PSF	SEQN-	140833	
DUR.FAC.	1.25			
SPACING	24.0"	JRFF-	1733487	201

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B1 2x6 SP #1 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.

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

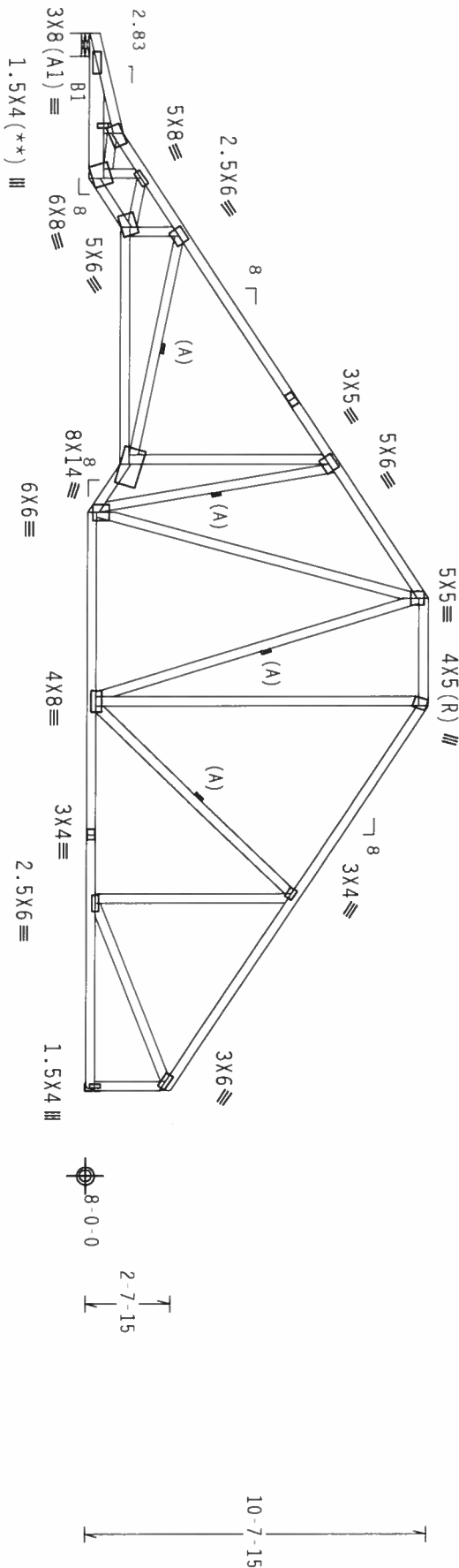
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

(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.



3-1-2 7X8
4-6-0 1-6-0
7-4-0 1-6-0
14-4-14
3-4-0
18-0-0
12-0-0
32-10-0 Over 2 Supports
R=1379 U=180 W=8.485"

R=1370 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
W/ (1) 2x6 min. So.Pine

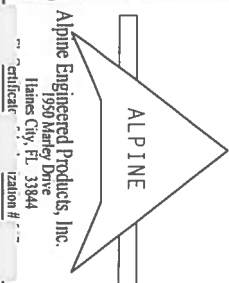
PLT TYP. Wave

Design Crtt: TPI-2002(STD)/FBC

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



Scale = .1875"/ft.



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS CONSTRUCTION. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN AND THE TRUSS CONSTRUCTION. THE TRUSS CONSTRUCTION SHALL BE RESPONSIBLE FOR THE TRUSS CONSTRUCTION. THE TRUSS CONSTRUCTION SHALL BE RESPONSIBLE FOR THE TRUSS CONSTRUCTION.

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 AREA) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, Z. THE TRUSS CONSTRUCTION SHALL BE RESPONSIBLE FOR THE TRUSS CONSTRUCTION. THE TRUSS CONSTRUCTION SHALL BE RESPONSIBLE FOR THE TRUSS CONSTRUCTION.



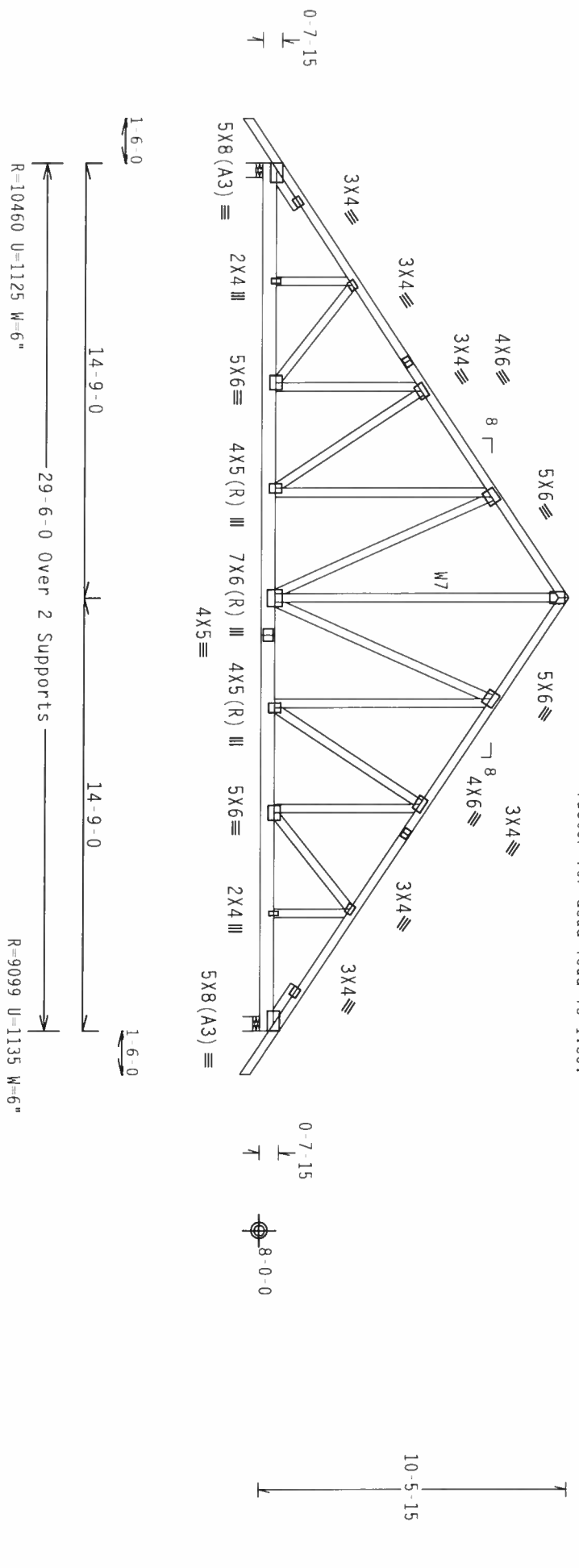
TC LL	20.0 PSF	REF	R487--	3989
TC DL	10.0 PSF	DATE	12/13/06	
BC DL	10.0 PSF	DRW	HCUSR487	06347023
BC LL	0.0 PSF	HC-ENG	DAL/AF	
TOT.LD.	40.0 PSF	SEQN	140847	
DUR.FAC.	1.25			
SPACING	24.0"	DRFF	IT33487	Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 : W7 2x4 SP #2 Dense:
Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'
Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at -1.50 to 64 PLF at 14.75
TC - From 64 PLF at 14.75 to 64 PLF at 31.00
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 29.50
BC - From 5 PLF at 29.50 to 5 PLF at 31.00
BC - 1365 LB Conc. Load at 2.44, 4.44, 6.44
BC - 1367 LB Conc. Load at 8.44, 10.44, 12.44
BC - 1370 LB Conc. Load at 14.44
BC - 1292 LB Conc. Load at 16.44
BC - 1272 LB Conc. Load at 18.44, 20.44
BC - 3473 LB Conc. Load at 22.38

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 @3.25" 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, 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.
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)

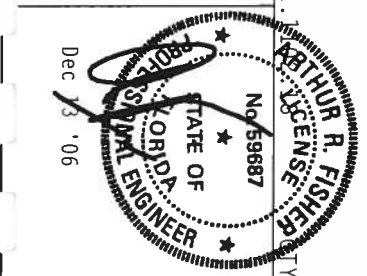
7.31

Scale = .1875"/ft.

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 HUD (NATIONAL DESIGN SPEC. BY ARIPA AND TPI. ALPINE TRUSSES ARE MANUFACTURED IN ACCORDANCE WITH THE DESIGN, POSITION PER DRAWINGS 160A Z, 160B Z, 160C Z, 160D Z, 160E Z, 160F Z, 160G Z, 160H Z, 160I Z, 160J Z, 160K Z, 160L Z, 160M Z, 160N Z, 160O Z, 160P Z, 160Q Z, 160R Z, 160S Z, 160T Z, 160U Z, 160V Z, 160W Z, 160X Z, 160Y Z, 160Z Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED BY AN INDEPENDENT ENGINEER. 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
James City, FL 33844
Toll Free 1-800-368-2222
Fax 813-331-5577
Website www.alpine-engineered.com



TC LL	20.0 PSF	REF	R487 - 3990
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06347024
BC LL	0.0 PSF	HC ENG	DAL/AF
TOT. LD.	40.0 PSF	SEON	14481 REV
DUR.FAC.	1.25	JRFF	1T33487 Z01
SPACING	24.0"		

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 : W3 2x4 SP #2 Dense:
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.190'

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.12" due to live load and 0.27" due to dead load.

See DWGS A11015EE1106 & GBLLET1106 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.

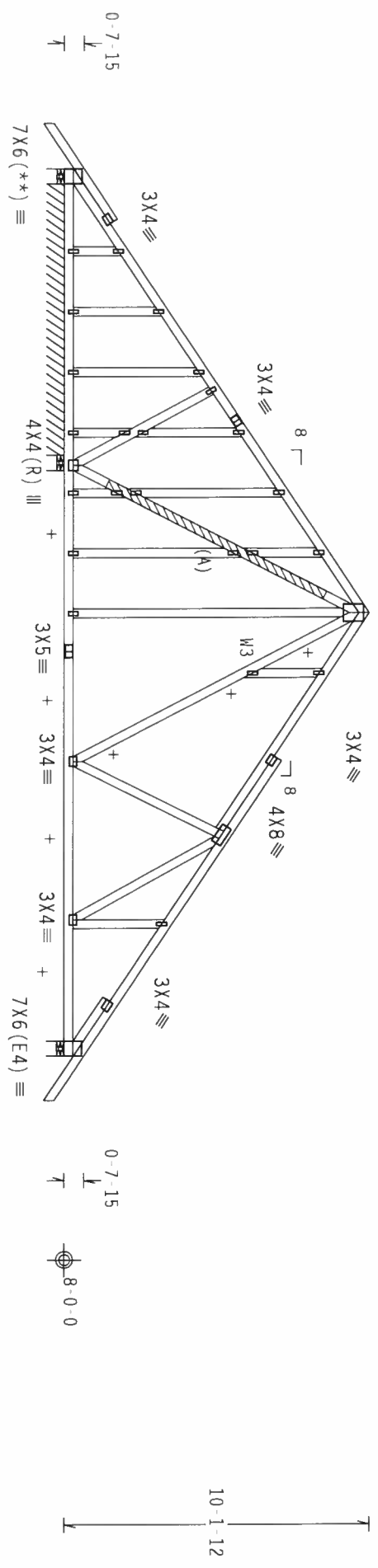
+ Member to be laterally braced for horizontal wind loads. 7X8(R) III
Bracing system to be designed and furnished by others.

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

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

Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

(A) (2) SP #3 or better scab braces. Same size & 80% length of web member. Attach one to each face w/10d Box or Gun (0.128"x3", min.) nails @ 6" OC.



1-6-0
5-0-0
4-9-0
12-11-1
29-6-0 Over 4 Supports
R-237 U=180 W=6"
R-99 PLF U=26 PLF W=9-0-0
R-2302 U=231 W=6"
R-1630 U=180 W=6"

Note: All Plates Are 1.5X4 Except As Shown.

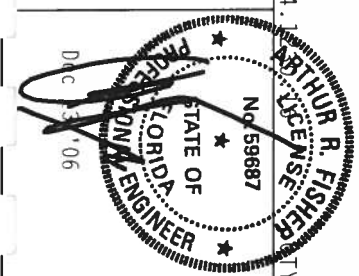
PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE 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 AIAA) AND TPI. ALPINE



Alpine Engineered Products, Inc.
1090 Marney Drive
James City, FL 33844
Toll-free 1-800-368-4444



TC LL	20.0 PSF	REF R487 - 3991
TC DL	10.0 PSF	DATE 12/13/06
BC DL	10.0 PSF	DRW HCUSR487 06347046
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 140885
DUR.FAC.	1.25	
SPACING	24.0"	JRFF- 1T33487 201

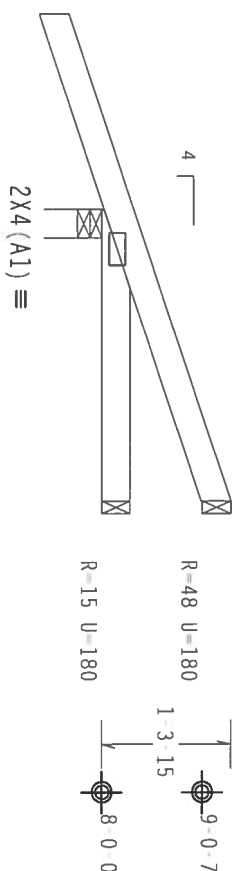
Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense

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 11, 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.



2-0-0

3-0-0 Over 3 Supports
R=311 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

RECEIVED SHEET: 1

FL/14/1/1R/

Scale = .5"/Ft.

* * * * *

WARNING— THESE REQUIRE EXPLICIT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND MAINTAINING. (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY IP1 (FIRSS PAPER INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD RINGS COUNCIL OF AMERICA, 6300 ROCK ENTERPRISE LANE, HOUSTON, TX 55129) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP GROUND SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GROUND SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.


* * * * *

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

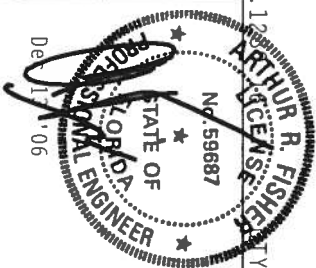
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AFRA) AND TPI. ALPHINEC

CONDUCTOR PLATES MADE OF 20/18/16GA (W,N/H/SS/K)ASTM A653 GRADE 40/60 (M, K/H/SS) GALV. STEEL. APPLIED TO EACH FACE OF IRUS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A TO 160D. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11 2002 SEC.3. A SEAL ON THIS

DRAWING INDICATE ACCEPTANCE OR PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE CROSS 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.



1950 Marley Drive
Haines City, FL 33844
Certificate #:



TC LL	20.0 PSF	REF	R487 - - 3992
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06347025
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	140603
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T3487_Z01

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

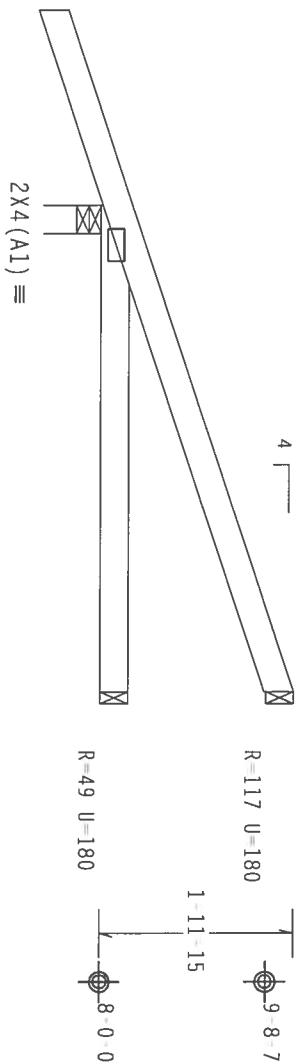
Wind reactions based on MMFRS pressures.

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, 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.



2'-0"-0" Over 3 Supports
R-370 U-180 W=3.5"

PLT TYP. Wave

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI TRUSS SOCIETY OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

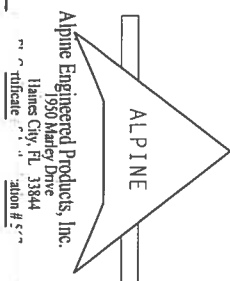
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC 360-10 (STEEL), AISC 360-10 (STEEL), AISC 360-10 (STEEL) AND AISC 360-10 (STEEL) (W/55/5) ASIN A653 GRADE 40/50 (W, K/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, Z, 160B, 160C, 160D, 160E, 160F, 160G, 160H, 160I, 160J, 160K, 160L, 160M, 160N, 160O, 160P, 160Q, 160R, 160S, 160T, 160U, 160V, 160W, 160X, 160Y, 160Z. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN AND RESPONSIBILITY OF THE TRUSS COMPONENT DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



FL/-4/-/R/-

Scale = .5"/ft.

TC LL	20.0 PSF	REF R487-- 3993
TC DL	10.0 PSF	DATE 12/13/06
BC DL	10.0 PSF	DRW HCUSR487 06347026
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 140606
DUR.FAC.	1.25	
SPACING	24.0"	JRFF- 1T3487 Z01



המחברת מודה לרבותן על שיתנו לה את שירותיהן, ובעיקר לרבותן שיש להן חזון ורצון להשיג את המטרה.

weds 2x4 sp #3

Weds 2X4 SP #3

STider	2x4	SP	#3:	BLOCK LENGTH =	1.513'
STider	2x4	SP	#3:	BLOCK LENGTH =	1.513'

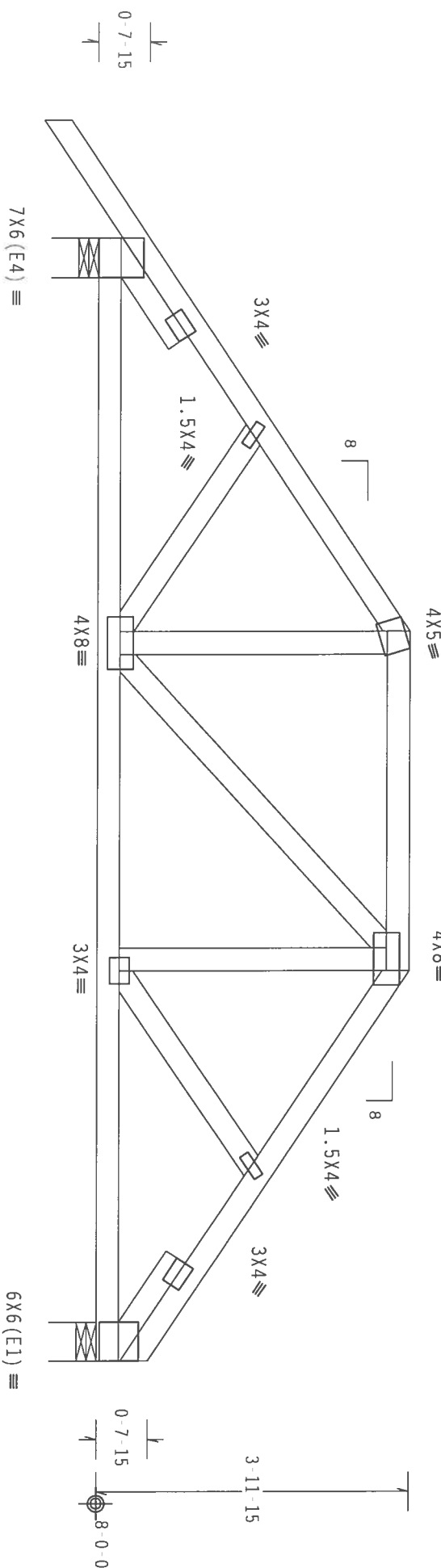
mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located
here in roof, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC
0 psf.

reactions based on MWFRS pressures.

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

SPECIAL LOADS			
-----	NUMBER	DUR.FAC.=1.25 /	PLATE DUR.FAC.=1.25)
TC	From	64 PLF at -1.50 to	64 PLF at 5.00
TC	From	64 PLF at 5.00 to	64 PLF at 9.33
TC	From	64 PLF at 9.33 to	64 PLF at 14.33
BC	From	5 PLF at -1.50 to	5 PLF at 0.00
BC	From	20 PLF at 0.00 to	20 PLF at 14.33
TC	404 LB Conc.	Load at 5.00,	9.33
TC	138 LB Conc.	Load at 7.06,	7.27
BC	167 LB Conc.	Load at 5.00,	9.33
BC	57 LB Conc.	Load at 7.06,	7.27

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

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

Scale = .5"/Ft.

WARNING**
IF THESE FLOOR, EXISTENT, CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING
REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (STRESS PANEL INSTITUTE - 218
HORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND ATCA (WOOD JOINT COUNCIL OF AMERICA, 6300
ENTERPRISE LANE, HANNOVER, NH 03719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
PROPERLY ATTACHED RIGID CEILING.

Alpine Engineered Products, Inc.

1950 Marney Drive
Haines City, FL 33844
Certificate # 23844

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 BRUSH IN CONFORMANCE WITH THE FOLLOWING, INCLUDING SHIPPING, INSTALLING & BRACING OF TRUSSES, ALPINE DESIGN COMPONENTS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AREA) AND TPI. ALPINE PLATES IN EACH FACE OF TRUSS AND HUNG TRUSSES SHALL BE MINIMUM 60/60 (60" X 60" X .55) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA 03 OF TPI 2002 SEC. 3. DRAMING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SUELLY 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.

ARTHUR R FISHER
No. 59687
STATE OF FLORIDA
MAIL ENGINEER
Dec 13 '06

TC LL	20.0 PSF	REF	R487 - 3994
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06547027
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN	140674
DUR.FAC.	1.25		
SPACING	24.0"	JRFF	1T33487 201

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.

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.



7.24.1

Scale = .375"/Ft.

****IMPORTANT****

FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

PRODUCTS INC. SHALL NOT BE RESPONSIBLE FOR ANY DELAY OR DEVIATION FROM THIS DESIGN.

Alpine Engineered Products, Inc.

1950 Marley Drive
Haines City, FL 33844
Certificate # 1234567890

No. ~~69687~~

STATE OF
NEW YORK

Dec 18 '06

TC LL	20.0 PSF	REF	R487 - 3995
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCU\$R487 06347028
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT. LD.	40.0 PSF	SEON -	140681
DUR. FAC.	1.25		
SPACING	24.0"	JRFF -	1T33487 201

IRFF - IT33487 Z0

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.

Wind reactions based on M/FRS 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.



R=597 U=180 H=Simpson LUS24

w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X4 min. So Pine

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

12345678910111213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364656667686970717273747576777879808182838485868788899091929394959697989910010110210310410510610710810911011111211311411511611711811912012112212312412512612712812913013113213313413513613713813914014114214314414514614714814915015115215315415515615715815916016116216316416516616716816917017117217317417517617717817918018118218318418518618718818919019119219319419519619719819920020120220320420520620720820921021121221321421521621721821922022122222322422522622722822923023123223323423523623723823924024124224324424524624724824925025125225325425525625725825926026126226326426526626726826927027127227327427527627727827928028128228328428528628728828929029129229329429529629729829930030130230330430530630730830931031131231331431531631731831932032132232332432532632732832933033133233333433533633733833934034134234334434534634734834935035135235335435535635735835936036136236336436536636736836937037137237337437537637737837938038138238338438538638738838939039139239339439539639739839940040140240340440540640740840941041141241341441541641741841942042142242342442542642742842943043143243343443543643743843944044144244344444544644744844945045145245345445545645745845946046146246346446546646746846947047147247347447547647747847948048148248348448548648748848949049149249349449549649749849950050150250350450550650750850951051151251351451551651751851952052152252352452552652752852953053153253353453553653753853954054154254354454554654754854955055155255355455555655755855956056156256356456556656756856957057157257357457557657757857958058158258358458558658758858959059159259359459559659759859960060160260360460560660760860961061161261361461561661761861962062162262362462562662762862963063163263363463563663763863964064164264364464564664764864965065165265365465565665765865966066166266366466566666766866967067167267367467567667767867968068168268368468568668768868969069169269369469569669769869970070170270370470570670770870971071171271371471571671771871972072172272372472572672772872973073173273373473573673773873974074174274374474574674774874975075175275375475575675775875976076176276376476576676776876977077177277377477577677777877978078178278378478578678778878979079179279379479579679779879980080180280380480580680780880981081181281381481581681781881982082182282382482582682782882983083183283383483583683783883984084184284384484584684784884985085185285385485585685785885986086186286386486586686786886987087187287387487587687787887988088188288388488588688788888989089189289389489589689789889990090190290390490590690790890991091191291391491591691791891992092192292392492592692792892993093193293393493593693793893994094194294394494594694794894995095195295395495595695795895996096196296396496596696796896997097197297397497597697797897998098198298398498598698798898999099199299399499599699799899910001001100210031004100510061007100810091010101110121013101410151016101710181019102010211022102310241025102610271028102910301031103210331034103510361037103810391040104110421043104410451046104710481049105010511052105310541055105610571058105910601061106210631064106510661067106810691070107110721073107410751076107710781079108010811082108310841085108610871088108910901091109210931094109510961097109810991100110111021103110411051106110711081109111011111112111311141115111611171118111911201121112211231124112511261127112811291130113111321133113411351136113711381139114011411142114311441145114611471148114911501151115211531154115511561157115811591160116111621163116411651166116711681169117011711172117311741175117611771178117911801181118211831184118511861187118811891190119111921193119411951196119711981199120012011202120312041205120612071208120912101211121212131214121512161217121812191220122112221223122412251226122712281229123012311232123312341235123612371238123912401241124212431244124512461247124812491250125112521253125412551256125712581259126012611262126312641265126612671268126912701271127212731274127512761277127812791280128112821283128412851286128712881289129012911292129312941295129612971298129913001

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

Scale = .375"/Ft.

WARNING: THESE REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DC-1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE GUSTAF PATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND WCA (WOOD JOINT COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, HANOVER, VA 22919) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, NO CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING IN CONFORMANCE WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN AND CONSTRUCTION CODES.

PLATES TO EACH FACE OF RUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2

AND INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.5 OF IP-12002 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 OR ARCHITECT. SEE 3

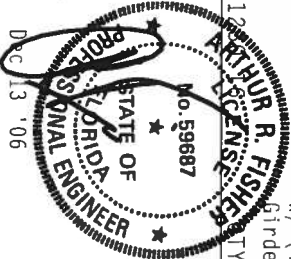
.....



Alpine Engineered Products, Inc.

Haines City, FL 33844

Certificate - Zalton #



TC LL	20.0 PSF	REF	R487 - 3996
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06347029
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	140686
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	1T33487_201

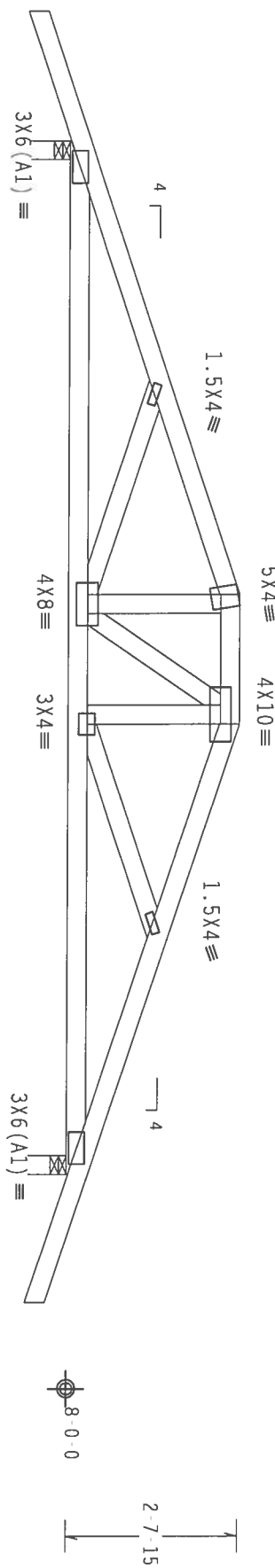
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

FL/-/4/-/R/-

Scale = .375"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, BRACING AND BRACING. AFTER TO BESET, BUILDING COMPONENT SAFETY INFORMATION, UNLISHED TPI TRUSSES SHALL BE STORED IN A DRY, VENTILATED AREA, PROTECTED FROM WEATHER, AND SHALL BE KEPT UPRIGHT AND SUPPORTED AT REGULAR INTERVALS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

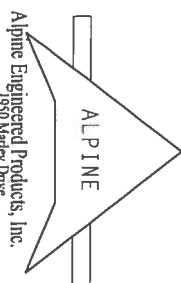
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES,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

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

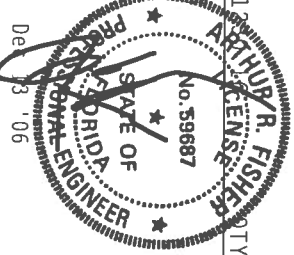
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. ALPINE

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

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



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate # 13344



TC LL	20.0 PSF	REF	R487-- 3997
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06347030
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT. LD.	40.0 PSF	SEQN	140702
DUR. FAC.	1.25		
SPACING	24.0"		
DRWF	IT334R7_201		

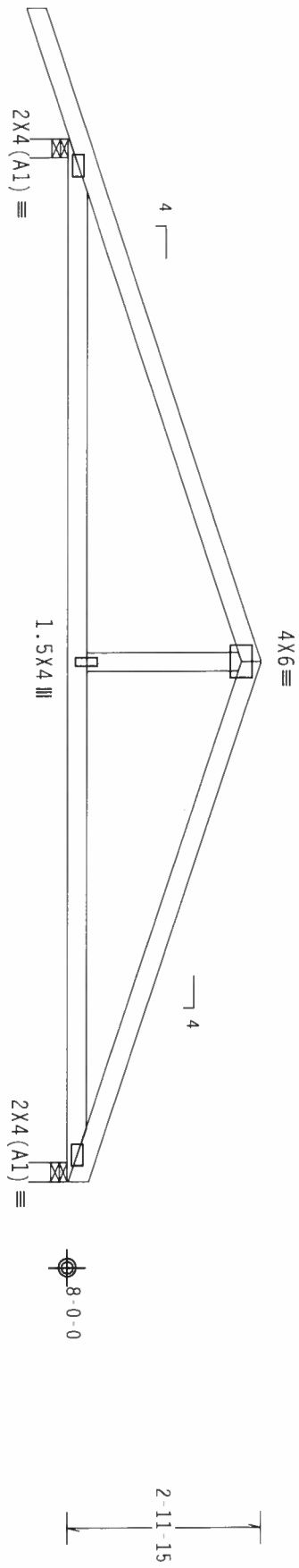
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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 purllins to brace TC @ 24" OC, BC @ 24" OC.



8'-0'-0
16'-0'-0 Over 2 Supports
8'-0'-0
R=789 U=180 W=3.5"
R=639 U=180 W=3.5"

PLT TYP. Wave

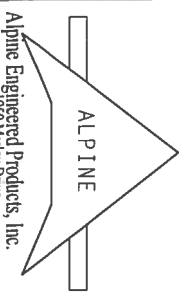
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.12

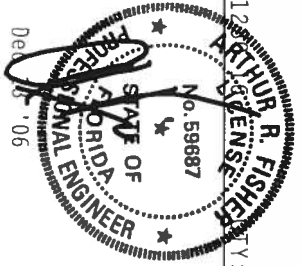
Scale = .375"/Ft.

WARNING TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. AFTER TO BESET. (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P&I) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/10/16GA (4-H/SS/VS) ASTM A653 GRADE 40/60 (4- K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIA/P&I 2002 SEC.3.3. A SEAL ON THIS DRAWING INDICATES THE SIGNATURE AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIA/P&I 1 SEC. 2.



Alpine Engineered Products, Inc.
Haines City, FL 33844
1990 Mauley Drive
Certificate # 1990-0001



TC LL	20.0 PSF	REF R487--	3998
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW HCUSR487	06347031
BC LL	0.0 PSF	HC-ENG DAL/AF	*
TOT.LD.	40.0 PSF	SEON-	140694
DUR.FAC.	1.25		
SPACING	24.0"		
IRREF	1T33487		201

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.

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

brace IC @ 24" OC, BC @ 24" OC.


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

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

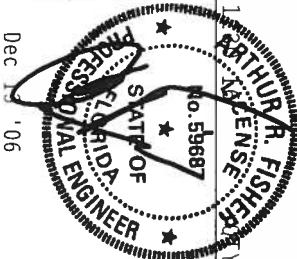
Scale = .5" / Ft.

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

Alpine Engineered Products, Inc.

1950 Marley Drive
Haines City, FL 33844

Certificate # Registration #



TC LL	20.0 PSF	REF	R487 - 3999
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06347032
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	140699
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T33487_201

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

```

:Stack Chord SC1 2x4 SP #2 Dense:
:Stack Chord SC2 2x4 SP #2 Dense:

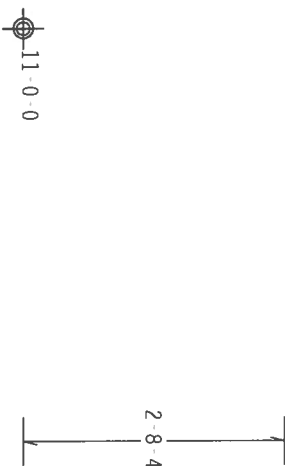
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110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Gable end supports 8" max rake overhang.

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 noticable 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 notched area using 3x6.




Scale = .5" / Ft.

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

Alpine Engineered Products, Inc.

1950 Marley Drive
Haines City, FL 33844
Certificate # 1950 Marley Drive
Registration # 1950 Marley Drive

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.
ALPINE ENGINEERING
THE DESIGNER SHALL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THIS DESIGN. ANY FAILURE TO BUILD THE
DESIGN IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES,
TRUSS COMPONENTS WITH APPLICABLE PROVISIONS OF BOSS (NATIONAL DESIGN SPEC., BY AREA) AND TPI. ALPINE
PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, ONE POSITION PER DRAWINGS, 160A-2.
AN INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER AMERICA AS 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 SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.


 ARTHUR R. FISHER
 LICENSE
 No. 69867
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER
 Dec 13 '06

TC LL	20.0 PSF	REF R487 - 4001
TC DL	10.0 PSF	DATE 12/13/06
BC DL	10.0 PSF	DRW HCUSR487 06347034
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 140899
DUR.FAC.	1.25	
SPACING	24.0"	JRFF- IT33487_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.

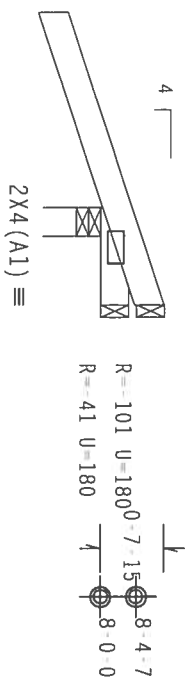
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Top chord.

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

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.



200

1 - n = n
1 - 0 - 0 Over 3 Supports
R=353 U=180 W=3.5'

PLT TYP. Wave

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

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

7.24.

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

Scale = .5"/Ft.

Alpine Engineered Products, Inc.

1930 Mainway Drive
Haines City, FL 33844
Certificate # 7-
Zalton # 6

****WARNING****—BESIDES REQUIRED EXISTING CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO DESI (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY IP1 (FIBRE PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WICA (WOOD ROSS COUNCIL OF AMERICA), 6500 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TWO CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

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

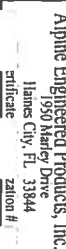
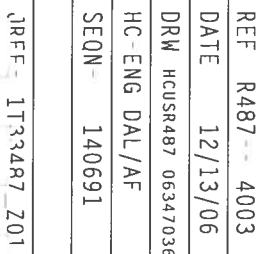
ALPINE ENGINEERED

A circular professional engineer seal for Arthur R. Fisher, State of Florida, No. 59687. The seal features the text "ARTHUR R. FISHER" at the top, "FLORIDA" at the bottom, "STATE OF" on the left, and "ENGINEER" on the right. The number "No. 59687" is in the center. There are three stars around the perimeter and a small star in the center. The seal is partially obscured by a diagonal line.

Dec 13, '06

TC LL	20.0 PSF	REF	R487 - 4002
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCU8R487 06347035
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	140599
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T334R7_201

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



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

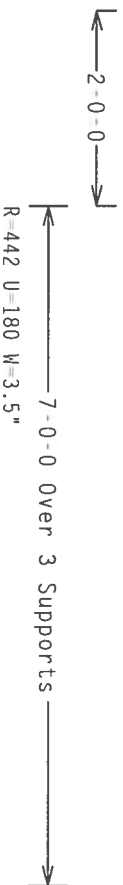
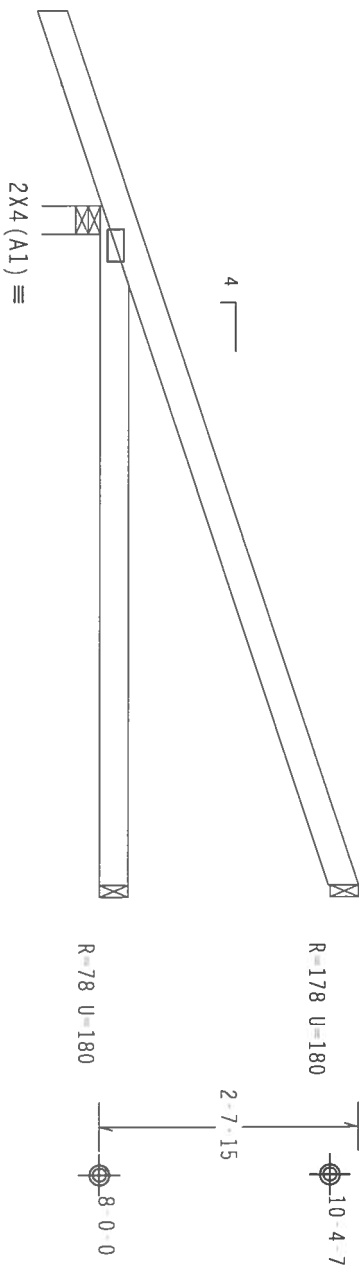
Wind reactions based on MMFRS pressures.

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.



PLT TYP. Wave

Design Cr't: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

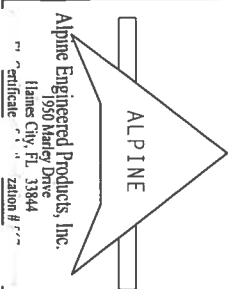
7.24.10

FL/-/4/-/R/-

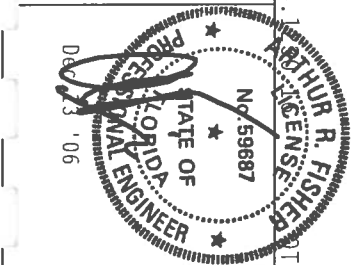
Scale = .5"/ft.

****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSSES MUST BE PROTECTED FROM DAMAGE DURING TRANSPORTATION AND STORAGE. TRUSSES MUST BE STORED UPRIGHT ON A FLAT SURFACE. TRUSSES MUST BE PROTECTED FROM DAMAGE DURING TRANSPORTATION AND STORAGE. TRUSSES MUST BE STORED UPRIGHT ON A FLAT SURFACE. TRUSSES MUST BE PROTECTED FROM DAMAGE DURING TRANSPORTATION AND STORAGE. TRUSSES MUST BE STORED UPRIGHT ON A FLAT SURFACE.

****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 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 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY DEVIATION OF PLATES FOLLOWED BY (1) SHALL BE PERMITTED AS OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SEALING AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AHS/TP1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Llano, TX 78644
Certification #



TC LL	20.0 PSF	REF	R487 - 4004
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06347037
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEON	140610
DUR.FAC.	1.25		
SPACING	24.0"	JRFF	1T33487_201

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

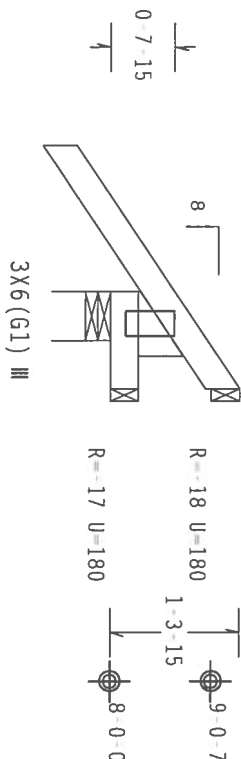
Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

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-223 U=180 W=6"

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

PROPERTY: 1

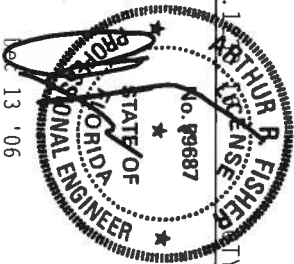
FL/-/4/-/-/R/-

Scale = .5" / Ft.

*****WARNING*****
 BUILDING REPAIRS, EXTREME CARE IN FABRICATION, HANDLING, SHIPMENT, INSTALLATION AND BRACING
 OF THIS COMPONENT SAFETY INFORMATION). PUBLISHED BY IPI (FIBERS PAPER INSTITUTE, 218
 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WCA (WOOD WORKS COUNCIL OF AMERICA, 6300
 ENTERPRISE LANE, MOULDS, VA 51319) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
 OTHERWISE INDICATED, TOP GROUND SHALL HAVE PROPERLY ATTACHED STRUCTURAL PLYS AND BOTTOM GROUND SHALL HAVE
 PROPERLY ATTACHED RIGID CEILING.

Alpine Engineered Products, Inc.

1950 Manney Drive
 Gaines City, FL 33844
 Certificate # 1950 Manney Drive



TC LL	20.0 PSF	REF	R487 - - 4005
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06347038
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	140614
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T33487_201

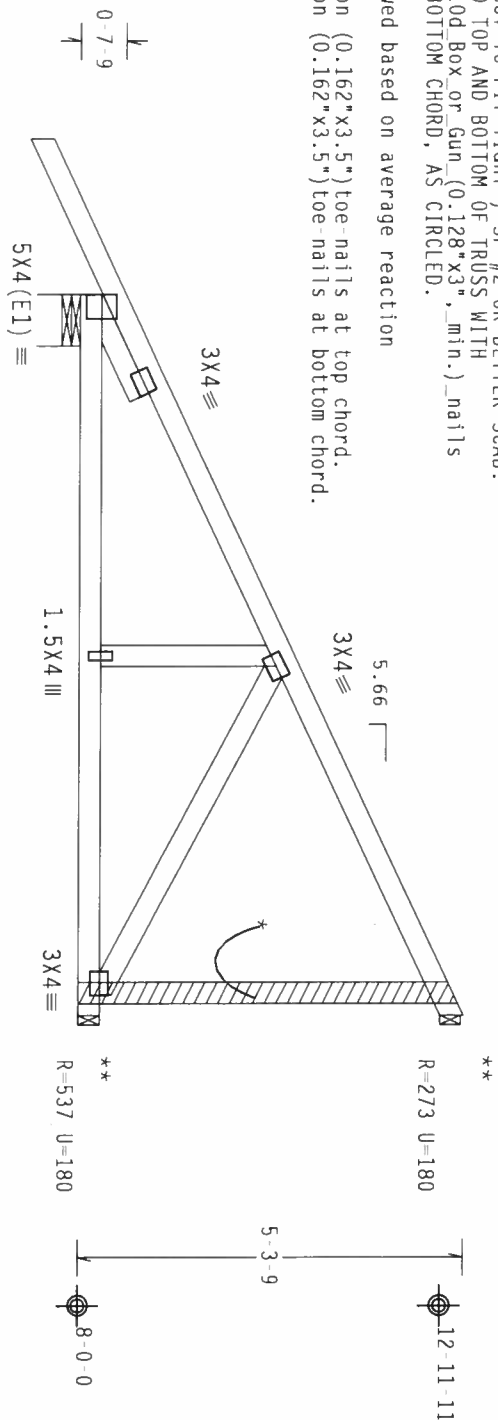
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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.

* (1) -2x4x(PROFILE CUT TO FIT TIGHT) SP #2 OR BETTER SCAB
ATTACH SCAB TO TOP AND BOTTOM OF TRUSS WITH
CLUSTER OF 3-10d Box or Gun (0.128"x3"-min.)-nails
INTO TOP AND BOTTOM CHORD, AS CIRCLED.

** Toe nailing allowed based on average reaction
Provide (3)16d common (0.162"x3.5") toe-nails at top chord.
Provide (3)16d common (0.162"x3.5") toe-nails at bottom chord



SPECIAL LOADS		(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)	
TC	From	62 PLF at -2.12 to	62 PLF at 9.90
BC	From	4 PLF at -2.12 to	4 PLF at 0.00
BC	From	20 PLF at 0.00 to	20 PLF at 9.90
TC	- 36 LB Conc.	Load at 1.48	
TC	- 148 LB Conc.	Load at 4.31	
TC	- 276 LB Conc.	Load at 7.13	
BC	- 35 LB Conc.	Load at 1.48	
BC	- 52 LB Conc.	Load at 4.31	
BC	- 114 LB Conc.	Load at 7.13	

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

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

7.24.1

PROPERTY: 1

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

Scale = .375"/ft.

****WARNING****
 THESE RECORDS EXIST, CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING
 REFER TO BC61 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY PEI (PEIRSS PEARCE INSTITUTE, 210
 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304) AND WICA (WOOD FRAMES CONSTRUCTION OF AMERICA, 6300
 ENTERPRISE LANE, HANOVER, VA 22960) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
 OTHERWISE INDICATED FOR CROUD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CROUD SHALL HAVE
 PROPERLY ATTACHED TO CROUD CEILING.

****IMPORTANT****

FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

PRODUCED BY THE QUALITY NOT OF RECORDING FOR THE QUALITY OF THE DESIGN

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

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11 2002 SEC.3. A SEAL ON THIS PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2

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

Alpine Engineered Products, Inc.
1950 Marlow Drive

150 Main Street
Haines City, FL 33844
Certificate # 150 Main Street

1000

TC LL	20.0 PSF	REF	R487 - - 4006
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCU8R487 06347039
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	140650
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	1T33487_201

JRFF - 1T33487_Z0

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.

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



BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R487 - - 4007
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06347040
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	140653
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T33487_Z01

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

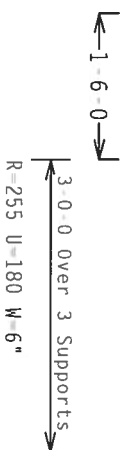
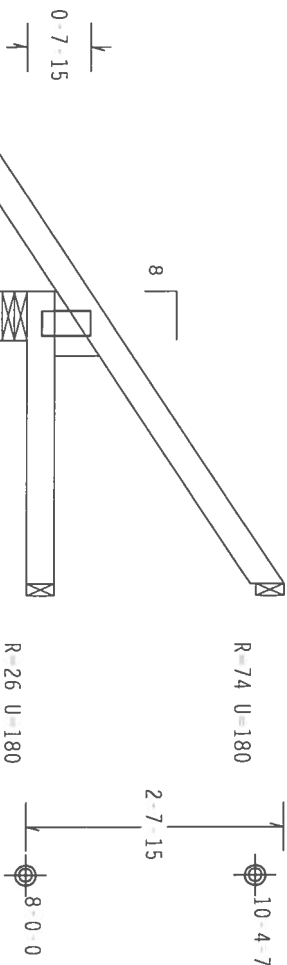
Wind reactions based on MWFRS pressures.

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.



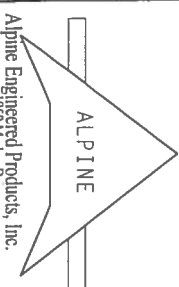
PLT TYP. Wave

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304, AND WCA GROUP TRUSS COMPANY OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE 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/SS/K) WITH 4653 GRADE 40/60 (W, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICA AS OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT DESIGNER SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMERICAN TPI 1 SEC. 2.



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



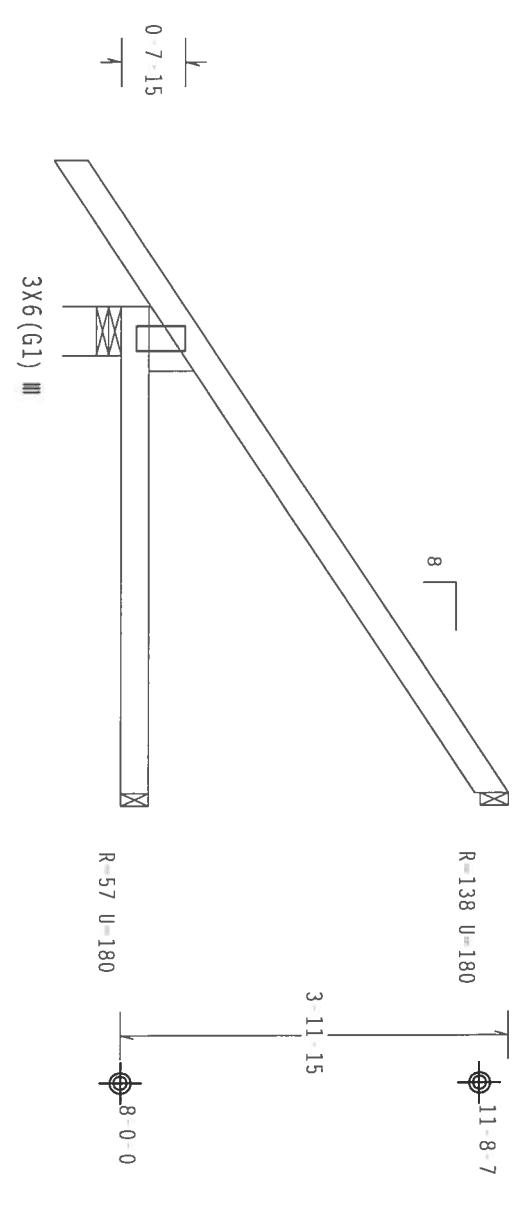
Scale = .5"/ft.

Scale = .5"/ft.

FL/-/4/-/R/-	REF R487 - 4008
TC LL 20.0 PSF	DATE 12/13/06
TC DL 10.0 PSF	DRW HCUSR487 06347041
BC DL 10.0 PSF	HC-ENG DAL/AF
BC LL 0.0 PSF	SEON- 140620
TOT.LD. 40.0 PSF	
DUR.FAC. 1.25	
SPACING 24.0"	JRFF- 1733487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Lt Studded Wedge 2x6 SP #2:
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: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)
7-24-11
ARTHUR R. FISHER
No. 56887
STATE OF FLORIDA
Professional Engineer
Dec 13 2006
FL/-/4/-/R/-
Scale = .5"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO NCST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE 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&A) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/1/55X) ASH 6653 GRADE 40/60 (W/ 4/1/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A, 2, 100B, 100C, 100D, 100E, 100F, 100G, 100H, 100I, 100J, 100K, 100L, 100M, 100N, 100O, 100P, 100Q, 100R, 100S, 100T, 100U, 100V, 100W, 100X, 100Y, 100Z, 100AA, 100AB, 100AC, 100AD, 100AE, 100AF, 100AG, 100AH, 100AI, 100AJ, 100AK, 100AL, 100AM, 100AN, 100AO, 100AP, 100AQ, 100AR, 100AS, 100AT, 100AU, 100AV, 100AW, 100AX, 100AY, 100AZ, 100BA, 100BB, 100BC, 100BD, 100BE, 100BF, 100BG, 100BH, 100BI, 100BJ, 100BK, 100BL, 100BM, 100BN, 100BO, 100BP, 100BQ, 100BR, 100BS, 100BT, 100BU, 100BV, 100BW, 100BX, 100BY, 100BZ, 100CA, 100CB, 100CC, 100CD, 100CE, 100CF, 100CG, 100CH, 100CI, 100CJ, 100CK, 100CL, 100CM, 100CN, 100CO, 100CP, 100CQ, 100CR, 100CS, 100CT, 100CU, 100CV, 100CW, 100CX, 100CY, 100CZ, 100DA, 100DB, 100DC, 100DD, 100DE, 100DF, 100DG, 100DH, 100DI, 100DJ, 100DK, 100DL, 100DM, 100DN, 100DO, 100DP, 100DQ, 100DR, 100DS, 100DT, 100DU, 100DV, 100DW, 100DX, 100DY, 100DZ, 100EA, 100EB, 100EC, 100ED, 100EE, 100EF, 100EG, 100EH, 100EI, 100EJ, 100EK, 100EL, 100EM, 100EN, 100EO, 100EP, 100EQ, 100ER, 100ES, 100ET, 100EU, 100EV, 100EW, 100EX, 100EY, 100EZ, 100FA, 100FB, 100FC, 100FD, 100FE, 100FF, 100FG, 100FH, 100FI, 100FJ, 100FK, 100FL, 100FM, 100FN, 100FO, 100FP, 100FQ, 100FR, 100FS, 100FT, 100FU, 100FV, 100FW, 100FX, 100FY, 100FZ, 100GA, 100GB, 100GC, 100GD, 100GE, 100GF, 100GG, 100GH, 100GI, 100GJ, 100GK, 100GL, 100GM, 100GN, 100GO, 100GP, 100GQ, 100GR, 100GS, 100GT, 100GU, 100GV, 100GW, 100GX, 100GY, 100GZ, 100HA, 100HB, 100HC, 100HD, 100HE, 100HF, 100HG, 100HH, 100HI, 100HJ, 100HK, 100HL, 100HM, 100HN, 100HO, 100HP, 100HQ, 100HR, 100HS, 100HT, 100HU, 100HV, 100HW, 100HX, 100HY, 100HZ, 100IA, 100IB, 100IC, 100ID, 100IE, 100IF, 100IG, 100IH, 100II, 100IJ, 100IK, 100IL, 100IM, 100IN, 100IO, 100IP, 100IQ, 100IR, 100IS, 100IT, 100IU, 100IV, 100IW, 100IX, 100IY, 100IZ, 100JA, 100JB, 100JC, 100JD, 100JE, 100JF, 100JG, 100JH, 100JI, 100JJ, 100JK, 100JL, 100JM, 100JN, 100JO, 100JP, 100JQ, 100JR, 100JS, 100JT, 100JU, 100JV, 100JW, 100JX, 100JY, 100JZ, 100KA, 100KB, 100KC, 100KD, 100KE, 100KF, 100KG, 100KH, 100KI, 100KJ, 100KK, 100KL, 100KM, 100KN, 100KO, 100KP, 100KQ, 100KR, 100KS, 100KT, 100KU, 100KV, 100KW, 100KX, 100KY, 100KZ, 100LA, 100LB, 100LC, 100LD, 100LE, 100LF, 100LG, 100LH, 100LI, 100LJ, 100LK, 100LL, 100LM, 100LN, 100LO, 100LP, 100LQ, 100LR, 100LS, 100LT, 100LU, 100LV, 100LW, 100LX, 100LY, 100LZ, 100MA, 100MB, 100MC, 100MD, 100ME, 100MF, 100MG, 100MH, 100MI, 100MJ, 100MK, 100ML, 100MN, 100MO, 100MP, 100MQ, 100MR, 100MS, 100MT, 100MU, 100MV, 100MW, 100MX, 100MY, 100MZ, 100NA, 100NB, 100NC, 100ND, 100NE, 100NF, 100NG, 100NH, 100NI, 100NJ, 100NK, 100NL, 100NM, 100NO, 100NP, 100NQ, 100NR, 100NS, 100NT, 100NU, 100NV, 100NW, 100NX, 100NY, 100NZ, 100OA, 100OB, 100OC, 100OD, 100OE, 100OF, 100OG, 100OH, 100OI, 100OJ, 100OK, 100OL, 100OM, 100ON, 100OO, 100OP, 100OQ, 100OR, 100OS, 100OT, 100OU, 100OV, 100OW, 100OX, 100OY, 100OZ, 100PA, 100PB, 100PC, 100PD, 100PE, 100PF, 100PG, 100PH, 100PI, 100PJ, 100PK, 100PL, 100PM, 100PN, 100PO, 100PP, 100PQ, 100PR, 100PS, 100PT, 100PU, 100PV, 100PW, 100PX, 100PY, 100PZ, 100QA, 100QB, 100QC, 100QD, 100QE, 100QF, 100QG, 100QH, 100QI, 100QJ, 100QK, 100QL, 100QM, 100QN, 100QO, 100QP, 100QQ, 100QR, 100QS, 100QT, 100QU, 100QV, 100QW, 100QX, 100QY, 100QZ, 100RA, 100RB, 100RC, 100RD, 100RE, 100RF, 100RG, 100RH, 100RI, 100RJ, 100RK, 100RL, 100RM, 100RN, 100RO, 100RP, 100RQ, 100RR, 100RS, 100RT, 100RU, 100RV, 100RW, 100RX, 100RY, 100RZ, 100SA, 100SB, 100SC, 100SD, 100SE, 100SF, 100SG, 100SH, 100SI, 100SJ, 100SK, 100SL, 100SM, 100SN, 100SO, 100SP, 100SQ, 100SR, 100SS, 100ST, 100SU, 100SV, 100SW, 100SX, 100SY, 100SZ, 100TA, 100TB, 100TC, 100TD, 100TE, 100TF, 100TG, 100TH, 100TI, 100TJ, 100TK, 100TL, 100TM, 100TN, 100TO, 100TP, 100TQ, 100TR, 100TS, 100TT, 100TU, 100TV, 100TW, 100TX, 100TY, 100TZ, 100UA, 100UB, 100UC, 100UD, 100UE, 100UF, 100UG, 100UH, 100UI, 100UJ, 100UK, 100UL, 100UM, 100UN, 100UO, 100UP, 100UQ, 100UR, 100US, 100UT, 100UU, 100UV, 100UW, 100UX, 100UY, 100UZ, 100VA, 100VB, 100VC, 100VD, 100VE, 100VF, 100VG, 100VH, 100VI, 100VJ, 100VK, 100VL, 100VM, 100VN, 100VO, 100VP, 100VQ, 100VR, 100VS, 100VT, 100VU, 100VV, 100VW, 100VX, 100VY, 100VZ, 100WA, 100WB, 100WC, 100WD, 100WE, 100WF, 100WG, 100WH, 100WI, 100WJ, 100WK, 100WL, 100WM, 100WN, 100WO, 100WP, 100WQ, 100WR, 100WS, 100WT, 100WU, 100WV, 100WW, 100WX, 100WY, 100WZ, 100XA, 100XB, 100XC, 100XD, 100XE, 100XF, 100XG, 100XH, 100XI, 100XJ, 100XK, 100XL, 100XM, 100XN, 100XO, 100XP, 100XQ, 100XR, 100XS, 100XT, 100XU, 100XV, 100XW, 100XX, 100XY, 100XZ, 100YA, 100YB, 100YC, 100YD, 100YE, 100YF, 100YG, 100YH, 100YI, 100YJ, 100YK, 100YL, 100YM, 100YN, 100YO, 100YP, 100YQ, 100YR, 100YS, 100YT, 100YU, 100YV, 100YW, 100YX, 100YY, 100YZ, 100ZA, 100ZB, 100ZC, 100ZD, 100ZE, 100ZF, 100ZG, 100ZH, 100ZI, 100ZJ, 100ZK, 100ZL, 100ZM, 100ZN, 100ZO, 100ZP, 100ZQ, 100ZR, 100ZS, 100ZT, 100ZU, 100ZV, 100ZW, 100ZX, 100ZY, 100ZZ

Alpine Engineered Products, Inc.
1950 Mary Drive
Tallahassee, FL 32304
Phone: 904.224.1111
Fax: 904.224.1112
www.alpine-engineered.com

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IP1 (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

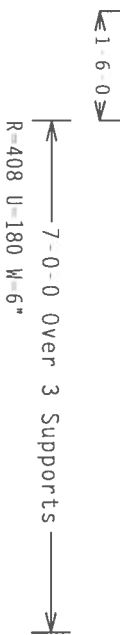
IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IP1 OR FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W/H/SS/K), ASH 6055 GRADE 40/60 (W/ V/A/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN AIA OR TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE AND 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 AIA/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R487 - - 4009
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06347042
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEON-	140623
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1733487_201

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.

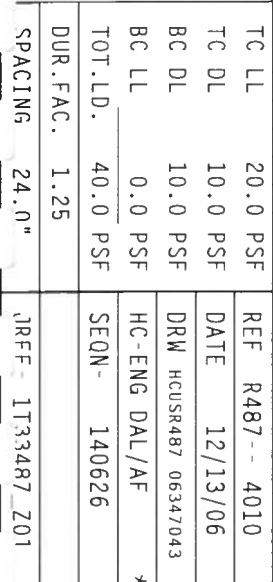
In lieu of structural panels or rigid ceiling use purtins to brace TC @ 24" OC, BC @ 24" OC.

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 = .375" / Ft.

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
1st Studded Wedge 2x6 SP #2:

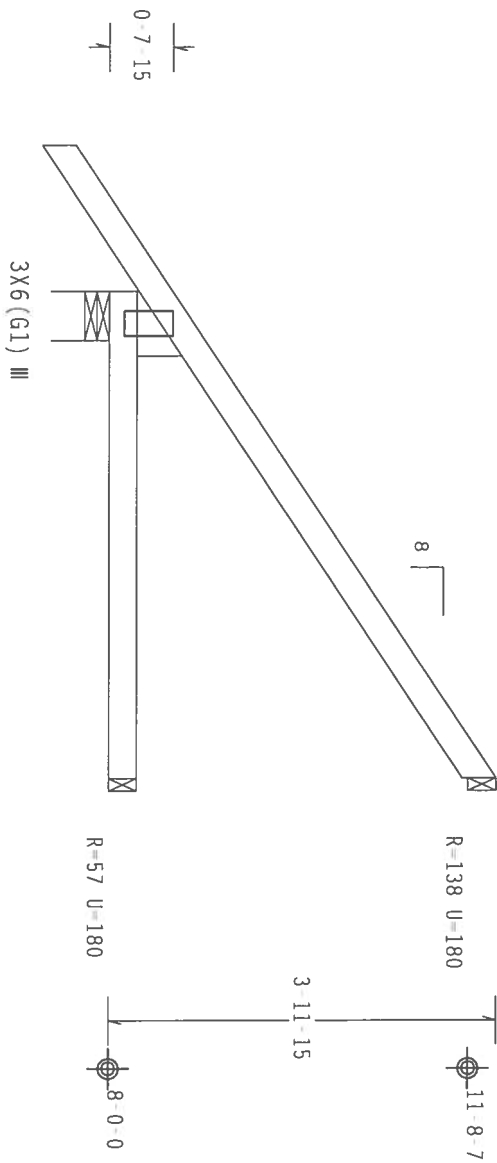
Wind reactions based on MMFRS pressures.

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-329 U-180 W=6"

PLT TYP. Wave

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SUPPORTING, INSTALLING AND BRACING. AFTER TO BESET. BUILDING COMPONENT SAFETY INFORMATION. UNLESS BY THE TRUSS PLANT INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WICA (WOOD TRUSS) CONSULT OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

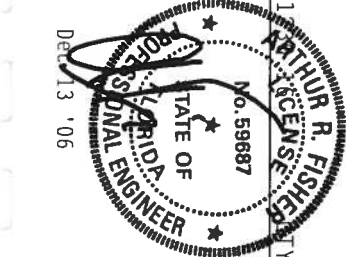
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (4-11/16"X) ASH 6053 GRADE 40/60 (4, K/11-55) 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 AMERICAN AS OF TPI-2002 SEC. 3. A SEAL ON THIS DESIGN INDICATES THE TRUSS IS NOT TO BE USED FOR THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/HP1 SEC. 2.

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

License #



TC LL	20.0 PSF	REF	R487 - 4011
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06347044
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEON	140631
DUR.FAC.	1.25		
SPACING	24.0"	JRFF	1T33487_201

Scale = .5"/ft.

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

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.

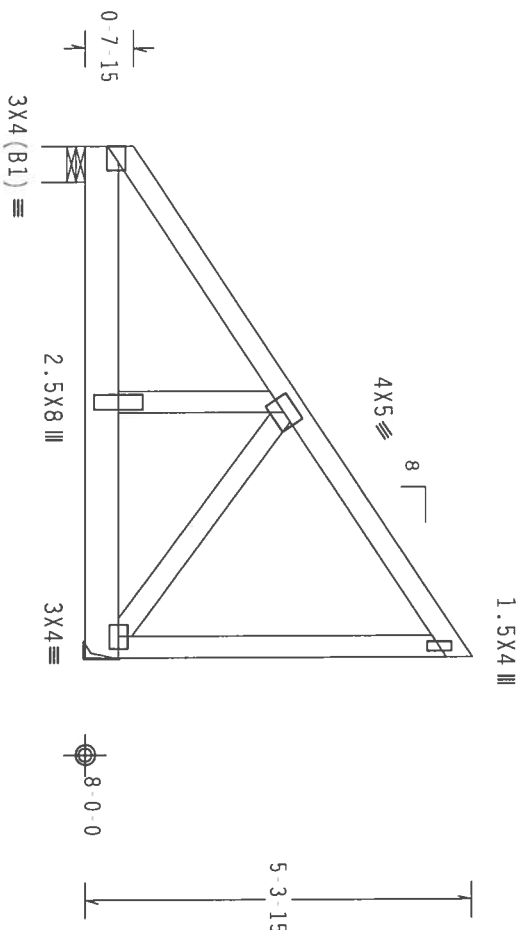
SPECIAL LOADS

TC	(LUMBER DUR, FAC, = 1.25 / PLATE DUR, FAC, = 1.25)
From	64 PLF at 0.00 to 64 PLF at 7.00
BC	20 PLF at 0.00 to 20 PLF at 7.00
BC	597 LB Conc. Load at 1.56, 3.56, 5.56

Wind reactions based on M/FRS 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.



R=1187 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
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

PROPERTY: 1

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

Scale = .375" / Ft.

****WARNING****
 THESE REQUIREMENTS ARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING
 OF STEEL COMPOSITE SHEET PILING INFORMATION. PUBLISHED BY THE STEEL PILING INSTITUTE, 218
 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND AISC (WOOD BRASS CONSULT OF AMERICA, 6300
 CHESTERFLEET LANE, HANNOVER, NH 03150) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
 OTHERWISE INDICATED, THE GOOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GOOD SHALL HAVE
 PROPERLY ATTACHED TOP 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, SHALL CONSTITUTE A BREACH OF THE CONTRACT AND SHALL BE CONSIDERED A BREACH OF THE CONTRACT.

CONDUCTOR PLATES ARE MADE OF 20/18/166A (W, H/SS/K) ASIM A553 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY CONNECTOR PLATES WITH APPLICABLE PROVISIONS OF 805 (ADDITIONAL DESIGN SPEC. BY MATERIAL) AND 171. DISTANCE BETWEEN PLATES TO BE 100 MM (4 INCHES). UNLESS OTHERWISE NOTED ON THIS DESIGN POSITION PER DRAWINGS 160A-2 PLATES TO FACILITATE OR REPAIRS AND UNLESS OTHERWISE NOTED ON THIS DESIGN POSITION PER DRAWINGS 160A-2

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

100

ALPINE

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

certificate #

Haimes City, FL 33844
certificat zation

zation #

ARTHUR R. FISHER
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 No. 55687
 Dec 13 '06

Dec 13 '06

TC LL	20.0 PSF	REF	R487-- 4012
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCSR487 06347045
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	140708
DUR.FAC.	1.25		

SPACING	24.0"	IRFF-1T33487-201
---------	-------	------------------

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

110 mph wind, 18.64 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=1.2 psf.

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

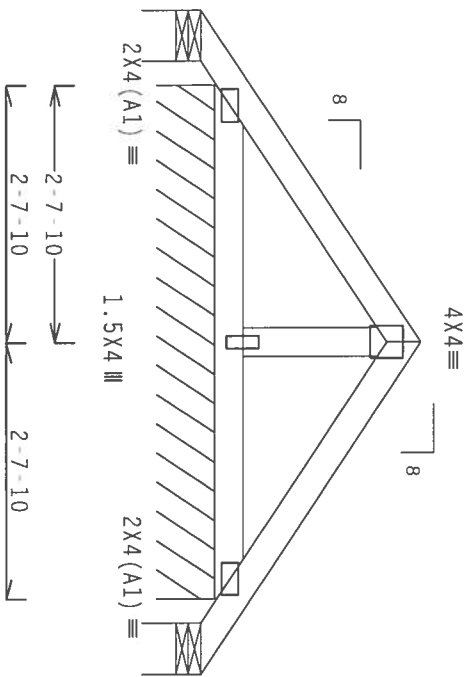
REFER TO DWG PIGBACKR1103 or PIGBACKR1103 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS

TC	From	64 PLF at	0.00 to	64 PLF at	3.41
TC	From	64 PLF at	3.41 to	64 PLF at	6.82
BC	From	4 PLF at	0.00 to	4 PLF at	6.82

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.



17-6-02

2-1-8

	6-9-13 Over 3 Supports	
R = 4 U = 36 W = 6.31"		R = 4 U = 8 W = 6.31"
R = 83 PLF U = 25 PLF W = 5-3-3		

PLT TYP. Wave

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

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

7.31.1

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

Scale = .5"/Ft.

****WARNING****
 THESE ROTARY EXTRACT CRYSTAL FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING
 OF THE FOLLOWING COMPONENTS SAFETY INFORMATION, PUBLISHED BY TPI, THERM-PLATE INSTITUTE, 210
 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WICA (WOOD INESS COUNCIL OF AMERICA), 6300
 ENTERPRISE LANE, MANASSAS, VA, 52719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS
 OTHERWISE INDICATED, TOP CORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CORD SHALL HAVE
 PROPERLY ATTACHED TOP CORD CEILING.

Alpine Engineered Products, Inc.

1950 Mainey Drive
Haines City, FL 33844
Certificate # _____
Zalton # _____

TC LL	20.0 PSF	REF	R487-- 4013
TC DL	10.0 PSF	DATE	12/13/06
BC DL	10.0 PSF	DRW	HCSUR487 06347048
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	14446 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T33487_201

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

Wind reactions based on MMFRS pressures.

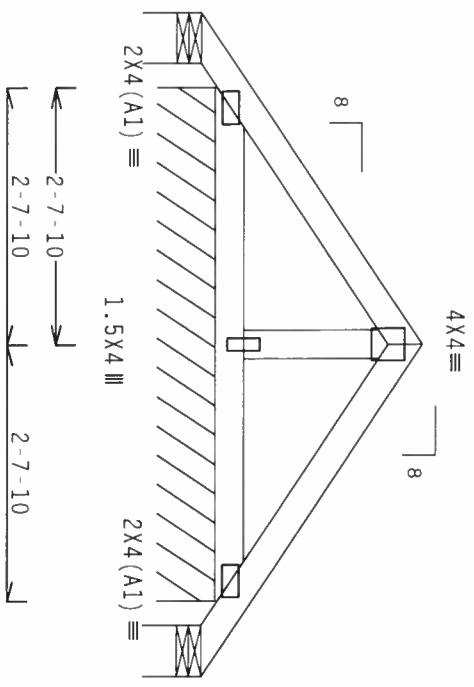
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.

PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 18.64 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=1.2 psf.

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



R=4 U=180 W=6.31"
R=83 PLF U=34 PLF W=5-3 3
R=4 U=180 W=6.31"

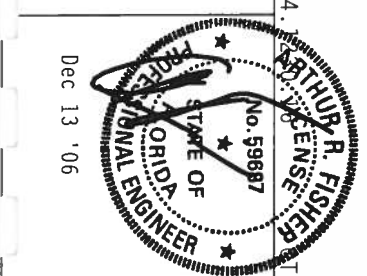
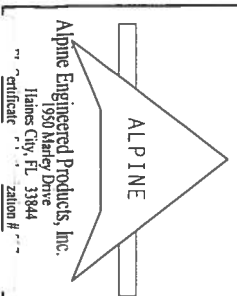
PLT TYP. Wave

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO NCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304), AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

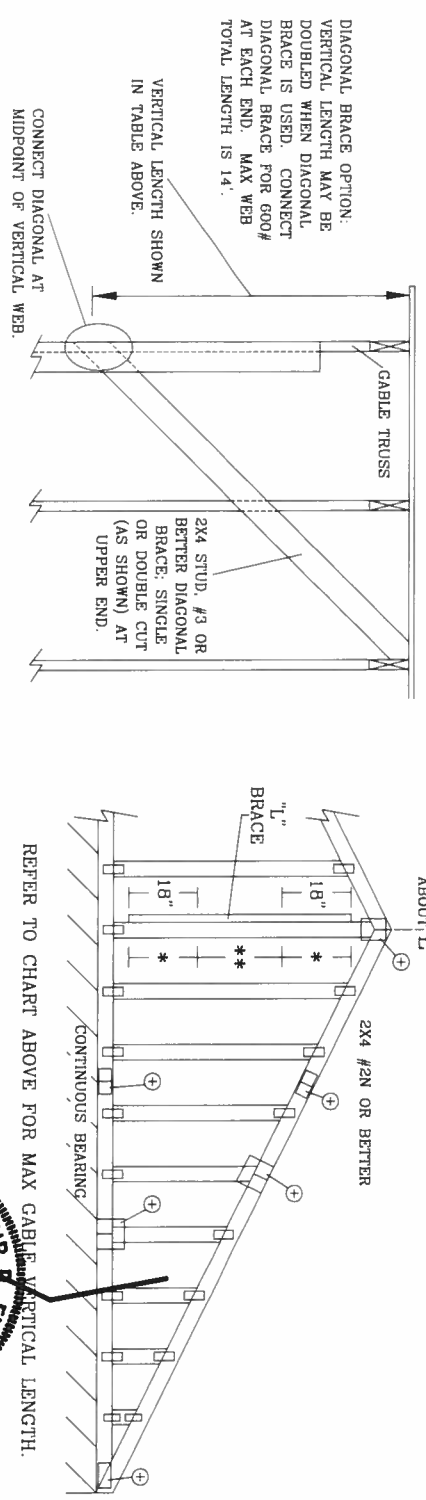
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AREA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W/1/55X) ASH 6635 GRADE 40/60 (W. K/1/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DRAWINGS 100A 2.

ALPINE ENGINEERED PRODUCTS, INC. 1950 Marley Drive, Ft. Lauderdale, FL 33304. PHONE: (954) 333-1100. FAX: (954) 333-1101. E-MAIL: info@alpineeng.com. WEBSITE: www.alpineeng.com. DRAWING INDICATES THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.



FL/-/4/-/-/R/-				Scale = .5"/ft.	
TC LL	20.0 PSF	REF	R487 - -	4014	
TC DL	10.0 PSF	DATE	12/13/06		
BC DL	2.0 PSF	DRW	HCUSR487	06347047	
BC LL	0.0 PSF	HC-ENG	DAL/AF		
TOT.LD.	32.0 PSF	SEON	140853		
DUR.FAC.	1.25				
SPACING	24.0"	JRFF	1733487	201	

2x4		BRACE		NO		(1) 1x4 "L" BRACE *		(1) 2x4 "L" BRACE *		(2) 2x4 "L" BRACE **		(1) 2x6 "L" BRACE *		(2) 2x6 "L" BRACE **	
GABLE VERTICAL SPACING	SPECIES	GRADE	BRACES	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"	14' 0"	14' 0"
	STUD	#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	STANDARD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
16" O.C.	SPF	STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	STUD	#3	4' 5"	7' 8"	7' 8"	7' 10"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	#1 / #2	4' 4"	7' 4"	7' 4"	7' 4"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	STANDARD	4' 4"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
24" O.C.	SPF	#2	4' 9"	7' 8"	7' 8"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	STUD	#3	4' 6"	7' 7"	7' 7"	7' 7"	9' 1"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	STANDARD	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	#1 / #2	4' 11"	8' 5"	8' 5"	8' 8"	10' 0"	10' 3"	11' 1"	12' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	#3	4' 9"	8' 5"	8' 5"	8' 5"	10' 0"	10' 0"	11' 1"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"



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"	2.5x4

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:
SPRUCE-PINE-FIR
#1 / #2 STANDARD
#3 STUD

GROUP B:
HEM-FIR
#1 & BTR
#1

DOUGLAS FIR-LARCH
#3 STUD
STANDARD

DOUGLAS FIR-LARCH
#1
#2

GABLE TRUSS DETAIL NOTES:

- LIVE LOAD DEFLECTION CRITERIA IS L/240.
- PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).
- GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.
- ATTACH EACH "L" BRACE WITH 10d NAILS.
- * FOR (1) "L" BRACE: SPACE NAILS AT 2' 0" O.C. IN 18" END ZONES AND 4' 0" O.C. BETWEEN ZONES.
- ** FOR (2) "L" BRACES: SPACE NAILS AT 3' 0" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.
- "L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

ALPINE

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22304, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH 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 OR ANY DAMAGE TO PROPERTY OR PERSONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE BUILDING CODES AND THE DESIGN SPEC. BY AIA/SEA/SSD CALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1606A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

ARTHUR F. FISHER
NO. 58697
STATE OF FLORIDA
PROFESSIONAL ENGINEER

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

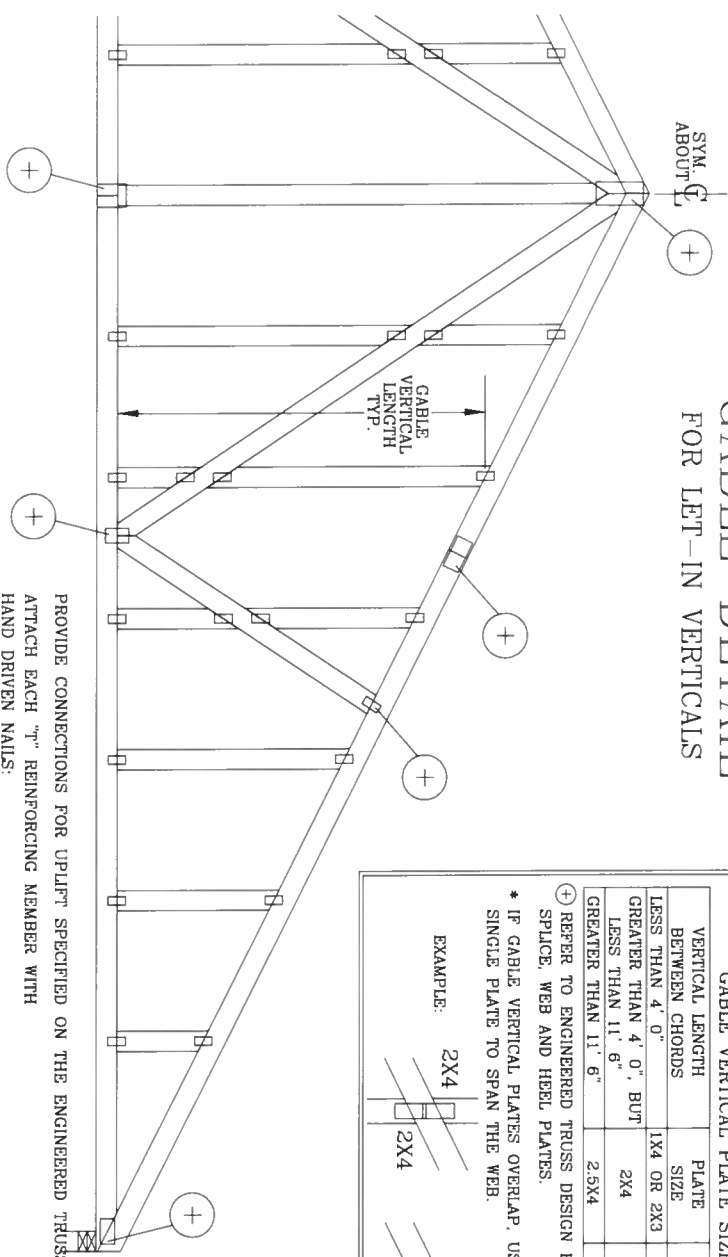
REF ASCE7-02-CAB11015

DATE 11/1/06

DRWG A11015EE1106

-ENG-

CABLE DETAIL FOR LET-IN VERTICALS



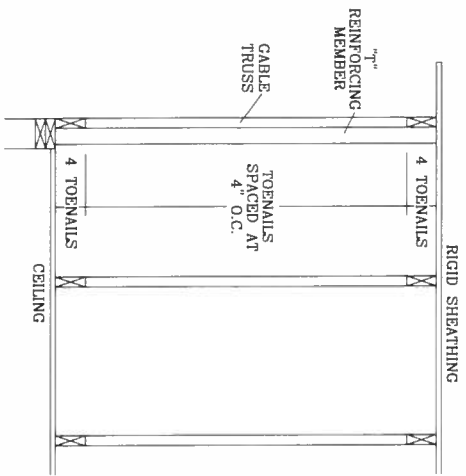
CABLE VERTICAL PLATE SIZES

VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X6
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 (0.148" X 3" MIN) TOENAILS AT 4" O.C. PLUS

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

GUN DRIVEN NAILS:

(4) TOENAILS IN TOP AND BOTTOM CHORD.

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

ASCE 7-93 GABLE DETAIL DRAWINGS

A11015ENI103, A10015ENI103, A09015ENI103, A08015ENI103, A07015ENI103

A11030ENI103, A10030ENI103, A09030ENI103, A08030ENI103, A07030ENI103

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015ECI103, A12015ECI103, A11015ECI103, A10015ECI103, A08515ECI103

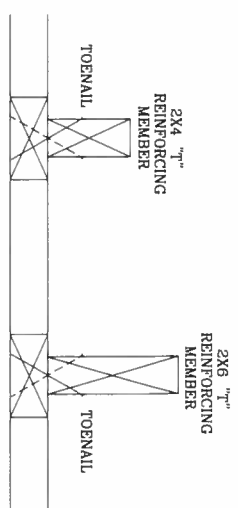
A13030ECI103, A12030ECI103, A11030ECI103, A10030ECI103, A08530ECI103

ASCE 7-02 GABLE DETAIL DRAWINGS

A13015ED0405, A12015ED0405, A11015ED0405, A10015ED0405, A08515ED0405,

A13030ED0405, A12030ED0405, A11030ED0405, A10030ED0405, A08530ED0405

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



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

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

WEB LENGTH INCREASE W/ "T" BRACE

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

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 THE ALPINE TRUSS DESIGN MANUAL FOR THE TRUSS DESIGN. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN.

IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TRUSS DESIGN, OR ANY FAILURE TO BRACE THE TRUSS. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPECIFICATION FOR STEEL CONSTRUCTION. ALPINE TRUSSES ARE DESIGNED TO BE USED WITH A 40/60 KAYAK/STEEL GABLE TRUSS. ALPINE TRUSSES ARE DESIGNED TO BE USED WITH A 40/60 KAYAK/STEEL GABLE TRUSS. ALPINE TRUSSES ARE DESIGNED TO BE USED WITH A 40/60 KAYAK/STEEL GABLE TRUSS.

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

STATE OF FLORIDA
No. 59687
ARTHUR D. RAY
PROFESSIONAL ENGINEER

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

REF LET-IN VERT
DATE 11/1/06
DRWG GBLETTIN1106
-ENG DLJ/KAR

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.

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	ALTERNATIVE 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.

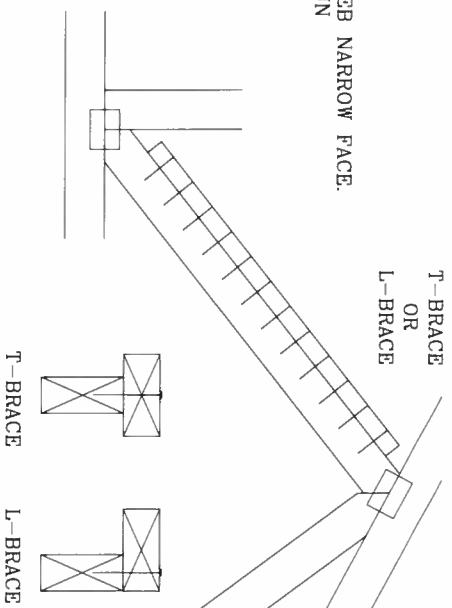


ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

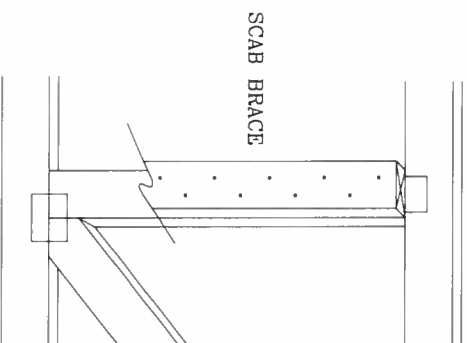
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND
 BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE
 INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22304 AND VITA (VIDEO TRUSS COUNCIL OF
 AMERICA, 6300 ENTERPRISE, MC WATSON, MI 57419) FOR SAFETY PRACTICES TO PREVENTING THESE
 INSTRUCTIONS. UNLESS OTHERWISE INDICATED, THE CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL
 PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

PRODUCTS 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 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 6018/1664 (A36/SS40) ASH A563 GRADE
 LOCATED ON THIS DESIGN. STEEL CONNECTOR PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWIS
 INDICATED ON THIS DESIGN, THE STEEL CONNECTOR PLATES TO EACH FACE OF TRUSS SHALL BE FOLLOWED BY (X
 SHALL BE PER ANEX A3 OF TPI 1-2002 SEC 3.3. SEALING AND PROTECTIVE 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

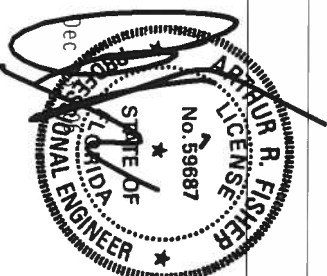
APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 10D BOX OR GUN
(0.128" x 3." MIN) NAILS.
AT 6" O.C. BRACE IS A
MINIMUM 80% OF WEB
MEMBER LENGTH



APPLY SCAB(S) TO WIDE FACE OF WEB
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN
(0.128" x 3", MIN) NAILS.
AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/1/06
BC DL	PSF	DRWG	BRCLBSUB1106
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02, CLOSED BLDG,
LOCATED ANYWHERE IN ROOF, CAT II, EXP C,
WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

80 MPH WIND, 30.00 FT MEAN HGT, SBC,
ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF
WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-98,
CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II,
EXP. C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATELY BRACED BY SHEATHING OR PURLINS. PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

FLAT TC BRACING
PER ENGINEER'S
SEALED DESIGN

FLAT TOP CHORD ≤ 12

* 12" MIN RIGID SHEATHING OVERLAP WITH 8d COMMON (0.131"x2.5") OR GUN NAILS IN OVERLAP ZONE SPACED AT 4" O.C.

PIGGYBACK CAP TRUSS TOENAILLED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS AND SECURED WITH 2x4 #3 GRADE SCAB (1 SIDE ONLY) ATTACHED WITH 10d COMMON NAILS AT 4" O.C.

FLAT TOP CHORD ≤ 30

FLAT TC BRACING PER ENGINEER'S SEALED DESIGN

IN LIEU OF TRULOX CONNECTORS, ALPINE 62PB SPECIAL PIGGYBACK CONNECTORS MAY BE USED. SHOP APPLY TOOTHED PORTION, FIELD ATTACH TO MATING TRUSS WITH (4) 0.120" X 0.375" NAILS MINIMUM EACH FACE.

(4) 8d COMMON NAILS (0.131"x2.5")

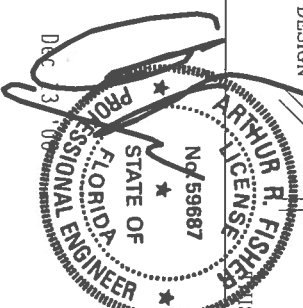
MUS DRAWING REPLACES DRAWINGS 581,670 & 961,860



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

■WARRANTY■ TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22304 AND WFLA (WOOD TRUSS COUNCIL OF AMERICA), 6500 WEST HERRIDGE AVE., SUITE 100, AUSTIN, TX 78737 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS.
 ■DESIGN■ TOP AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING

■PRODUCT■ 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 AND BRACING OF TRUSSES, DESIGN CONTRACTORS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. 2018) AND TPI (TRUSS PLATE INSTITUTE) SHALL BE THE RESPONSIBILITY OF THE DESIGN CONTRACTOR.
 ■LOADS■ THIS TRUSS IS DESIGNED FOR A DEAD LOAD OF 20 LB/SQ. FT. (W/AS/25) AS PER A653 GRADE 50 (A572) STEEL. LIVE LOAD SHALL BE 40 LB/SQ. FT. (W/AS/40) AS PER A653 GRADE 50 (A572) STEEL. WIND LOADS ARE LOCATED ON THIS DESIGN POSITION PER A653 GRADE 50 (A572) STEEL. PER A653 GRADE 50 (A572) STEEL, LIVE LOAD SHALL BE PER ANNEK A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE BY PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS DESIGN FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TPI 1 SEC. 2.



TC LL	PSF	REF	PIGGYBACK
TC DL	PSF	DATE	11/1/06
BC DL	PSF	DRWG	PIGBACKA1106
BC LL	PSF	-ENG	DLJ/KAR
TOT. LD. MAX 60	PSF		
DUR. FAC.	1.15		
SPACING	24.0"		

TOP CHORD	2X4	#2	OR	BETTER
BOT CHORD	2X4	#2	OR	BETTER
WEBS	2X4	#3	OR	BETTER

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

PIGgyBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

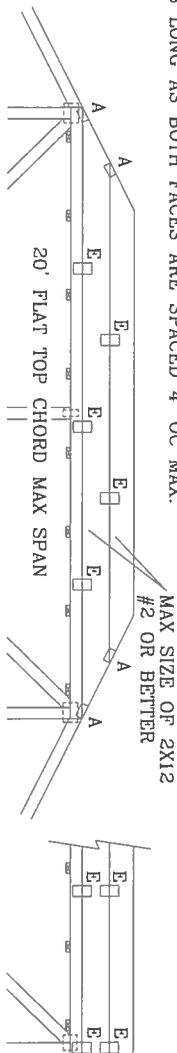
130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG
LOCATED ANYWHERE IN BOOE CAT II EXD C

WIND TC DL=5 PSF, WIND BC DL=5 PSF

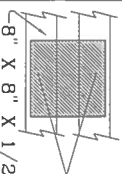
ENCLOSED BLDG. LOCATED ANYWHERE IN ROOF

WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E,*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.



130 MPH WIND, 30' MEAN HGT, ASCE 7-98, CLOSED
BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C
WIND TC DL=5 PSF, WIND BC DL=5 PSF



(4) 6d BOX (0.099"X 2".MIN) NAILS

-8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 6d BOX (0.099" X 2." MIN) NAILS PER GUSSET.

(4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC

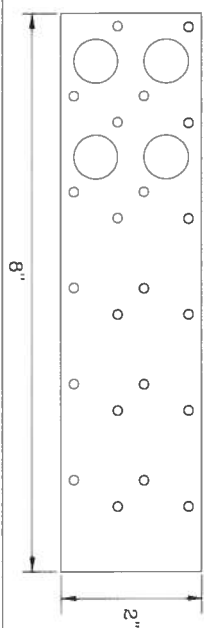
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRUSS AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX PLATES WITH (8) 0.120" X 1.375" NAILS OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

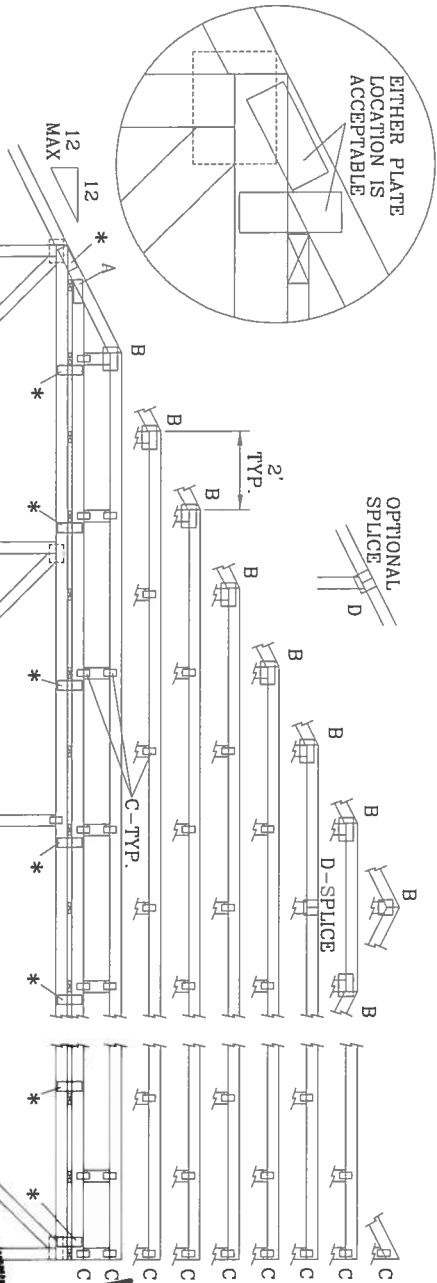
WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7' 9"	NO BRACING
7' 9" TO 10'	1x4 "A" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d BOX (0.135"X 2.5" MIN) NAILS AT 4" OC.
10' TO 14'	2x4 "A" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135"X 3.5" MIN) NAILS AT 4" OC.

*** PIGGYBACK SPECIAL PLATE**

ATTACH 12BTH TO THE PIGBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



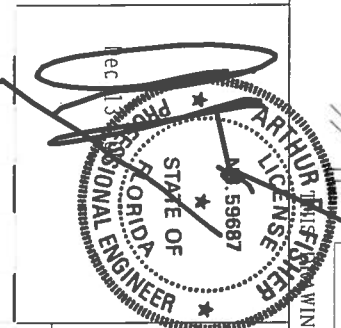
*ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE



*****WARNING*****
 TISSUES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND
 BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (CRUSS PLATE
 INSTITUTE, 218 NORTH LEE STR., SUITE 314, ALEXANDRIA, VA 22314) AND WICA (WOOD TRUSS COUNCIL, 10
 AUSTIN BLVD., SUITE 100, WILMINGTON, DE 19801) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE
 FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL
 PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA



MAX LOADING	REF	PIGGYBACK
55 PSF AT	DATE	11/1/06
1.33 DUR. FAC.	DRWG	PIGBACKB1106
50 PSF AT	-ENG	DLJ/KAR
1.25 DUR. FAC.		
47 PSF AT		
1.15 DUR. FAC.		
SPACING		24.0"