

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: IT3D487-Z0122111146

Truss Fabricator: Anderson Truss Company
Job Identification: 6-395--Stanley Crawford Construc WILMOTH -- , **
Truss Count: 51
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.24, 7.26, 7.25.
Minimum Design Loads: Roof - 32.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed



Seal Date: 12/22/2006

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

-Truss Design Engineer-
Arthur R. Fisher

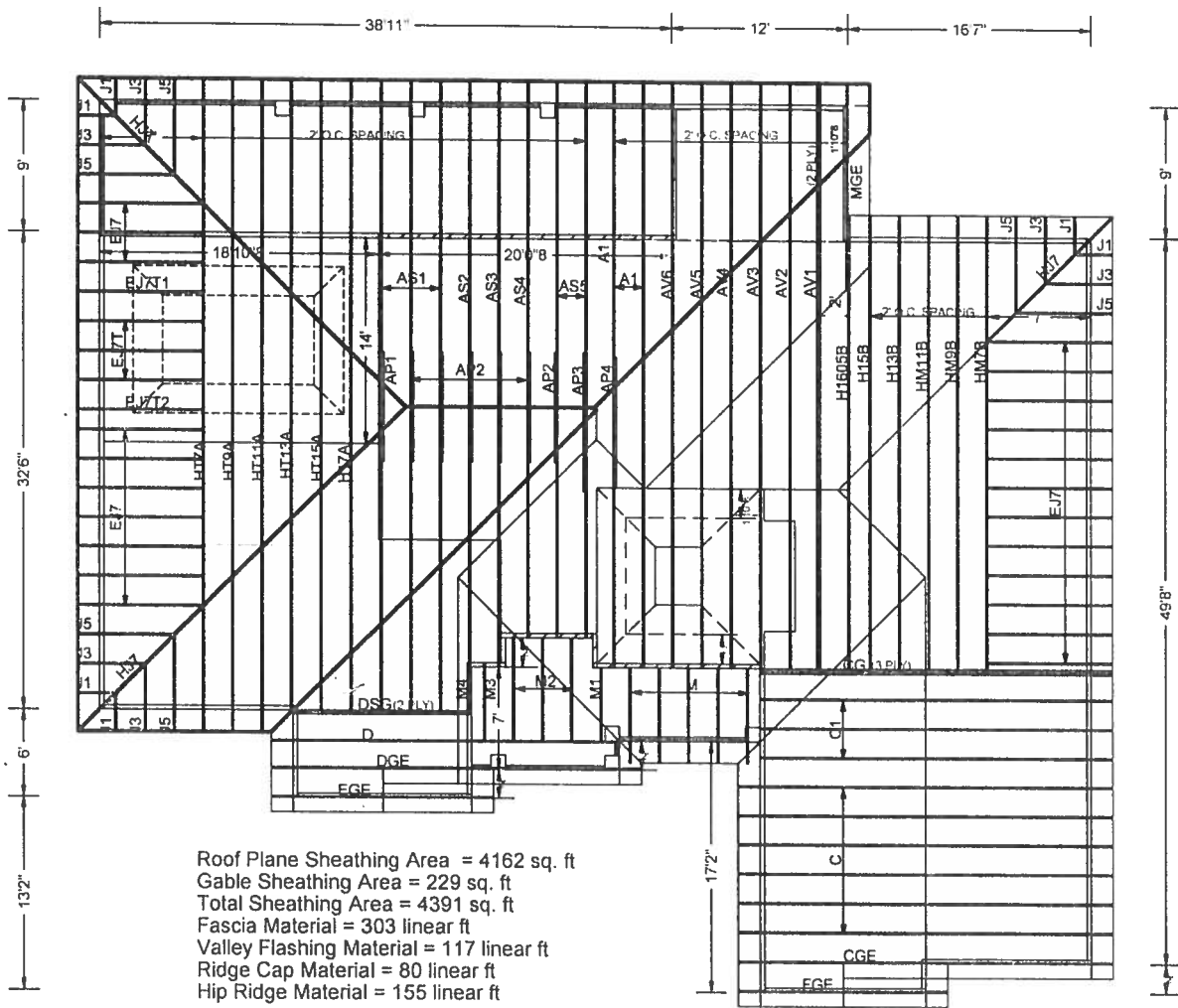
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-A11015EE-GBLLETIN-MAX DEAD LOAD-PIGBACKA-PIGBACKB-

#	Ref	Description	Drawing#	Date
1	64989--AS1		06356036	12/22/06
2	64990--AS2		06356018	12/22/06
3	64991--AS3		06356016	12/22/06
4	64992--AS4		06356033	12/22/06
5	64993--AS5		06356026	12/22/06
6	64994--HT7A		06356002	12/22/06
7	64995--HT9A		06356013	12/22/06
8	64996--HT11A		06356017	12/22/06
9	64997--HT13A		06356001	12/22/06
10	64998--HT15A		06356015	12/22/06
11	64999--H17A		06356003	12/22/06
12	65000--AV1		06356041	12/22/06
13	65001--AV2		06356032	12/22/06
14	65002--AV3		06356037	12/22/06
15	65003--AV4		06356039	12/22/06
16	65004--AV5		06356025	12/22/06
17	65005--AV6		06356040	12/22/06
18	65006--A1		06356042	12/22/06
19	65007--HM7B		06356046	12/22/06
20	65008--HM9B		06356047	12/22/06
21	65009--HM11B		06356048	12/22/06
22	65010--H13B		06356049	12/22/06
23	65011--H15B		06356002	12/22/06
24	65012--H1605B		06356038	12/22/06
25	65013--CGE		06356012	12/22/06
26	65014--C		06356021	12/22/06
27	65015--C1		06356031	12/22/06
28	65016--CG		06356043	12/22/06
29	65017--DGE		06356004	12/22/06
30	65018--D		06356028	12/22/06
31	65019--DSG		06356011	12/22/06
32	65020--EGE		06356005	12/22/06
33	65021--FGE		06356001	12/22/06
34	65022--HJ7		06356006	12/22/06
35	65023--EJ7		06356010	12/22/06
36	65024--EJ7T		06356022	12/22/06

#	Ref	Description	Drawing#	Date
37	65025--EJ7T1		06356020	12/22/06
38	65026--EJ7T2		06356023	12/22/06
39	65027--J5		06356007	12/22/06
40	65028--J3		06356008	12/22/06
41	65029--J1		06356009	12/22/06
42	65030--M		06356030	12/22/06
43	65031--M1		06356035	12/22/06
44	65032--M2		06356034	12/22/06
45	65033--M3		06356027	12/22/06
46	65034--M4		06356019	12/22/06
47	65035--MGE		06356024	12/22/06
48	65036--AP1		06356014	12/22/06
49	65037--AP2		06356029	12/22/06
50	65038--AP3		06356044	12/22/06
51	65039--AP4		06356045	12/22/06





12/22/06 132" 12' 10'2" 9'7" 11'3"8 22'7" 11'3"8

#6-395 STANLEY CRAWFORD CONSTRUCTION - WILMOTH

JOB DESCRIPTION: Stanley Crawford Construc
 / WILMOTH

JOB NO:
 6-395

PAGE NO:
 1 OF 1

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

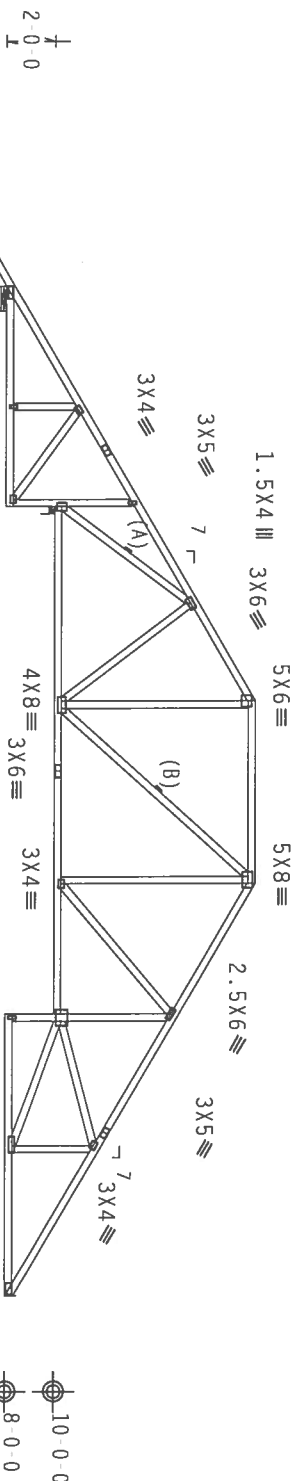
(B) Continuous lateral bracing equally spaced on member. Or 2x6 SP #3 or better "T" brace. 80% length of web member. Attached With 16d Box or Gun (0.15"x3.5",min.) nails @ 6" OC.

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

110 mph wind; 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT 11, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member. Or 1x4 SP #3 or better "T" brace, 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

[illegible]

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.

12/15/2011 10:30 AM

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

Scale = .125"/Ft.

WARNING
 THIS IS A FURTHER CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING
 OF THE COMPOSITE SAFETY INFORMATION. PUBLISHED BY IPI (TRUSS PAUL INSTITUTE, 218
 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WCA (WOOD BRASS CONSULT, 6500
 ENTERPRISE LANE, MANASSAS, VA 20109) 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


TRUSS IN CONFORMANCE WITH IPT; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACI

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PDA) AND TPI

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

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

BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Meyer Drive
Harris City, FL 33844
Certification # 447

Dec 22 '06

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

TC LL	20.0 PSF	REF	R487 - 64989
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCSR487 06356036
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	129543
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T3D487_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.

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

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



Scale = .1875"/Ft.

...A...
...EE...
...n...

100

[illegible]

Dec 22 '06

BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 129691
DUR.FAC.	1.25	
SPACING	24.0"	JRFF- 1T30487_201

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

Wind reactions based on MMFRS pressures.

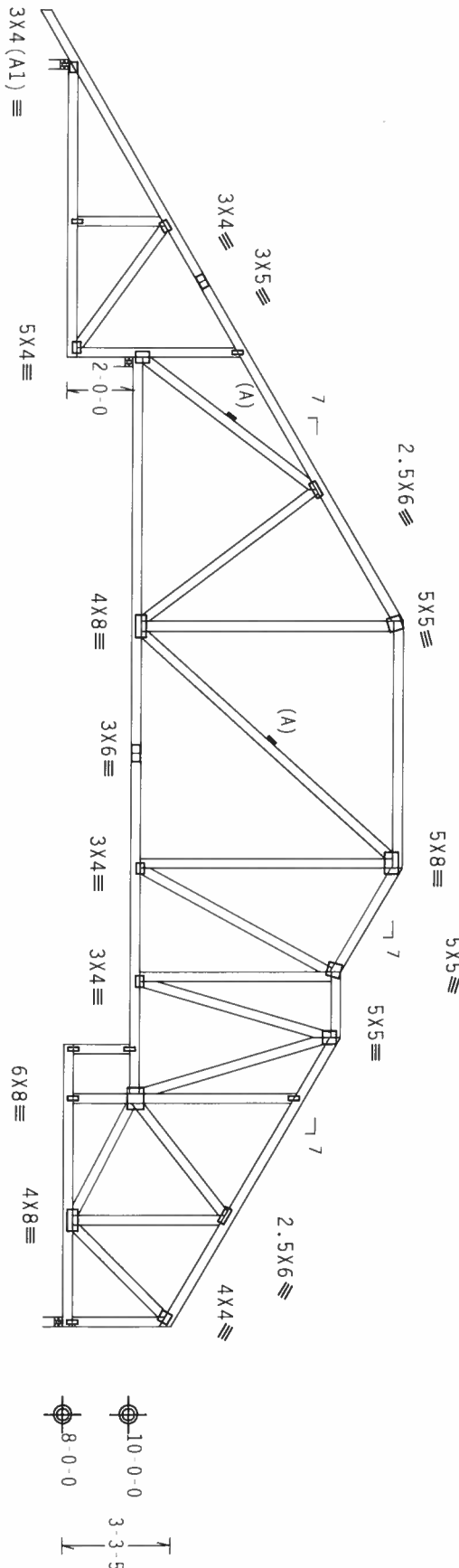
(A) Continuous lateral bracing equally spaced on member.

SEE DWGS TCFILLER1103 AND BCFILLER1103 FOR FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C. AND TOP
CHORD UNDER FILLER AT 24" OC INCLUDING A LATERAL BRACE AT
CHORD ENDS.

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

Right end vertical not exposed to wind pressure.

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



1-6-0
9-1-12
17-0-0
9-0-0
17-0-0
20-10-8
7-6-0
3-2-0
2-0-0
8-10-0
7-1-8
38-6-0 Over 3 Supports
R=457 U=180 W=3.5"
R=1622 U=180 W=3.5"
R=1224 U=180 W=3.5"

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

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

7-24

RTY:1

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

Scale = .1875"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSTI (BUILDING CONSTRUCTION SAFETY INFORMATION), PUBLISHED BY TPI, CROSS PLATE INSTITUTE, 2100 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 & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 90S (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. ALPINE TRUSSES TO EACH JOINT ARE MADE OF 20/18/16GA (K/H/SS) ASH 6063 GRADE 40/60 (K/H/SS) GALV. STEEL. APPLY FINISH TO EACH JOINT AND TO EACH END OF EACH CHORD. FINISH TO EACH END OF EACH CHORD. FINISH TO EACH END OF EACH CHORD. FINISH TO EACH END OF EACH CHORD.

ALPINE

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

Truss Fabrication Station # 111



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

REF R487-- 64991
DATE 12/22/06
DRW HCUSR487 06356016
HC-ENG JB/AF
SEON- 129705

JPRF - 17307A7_201

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

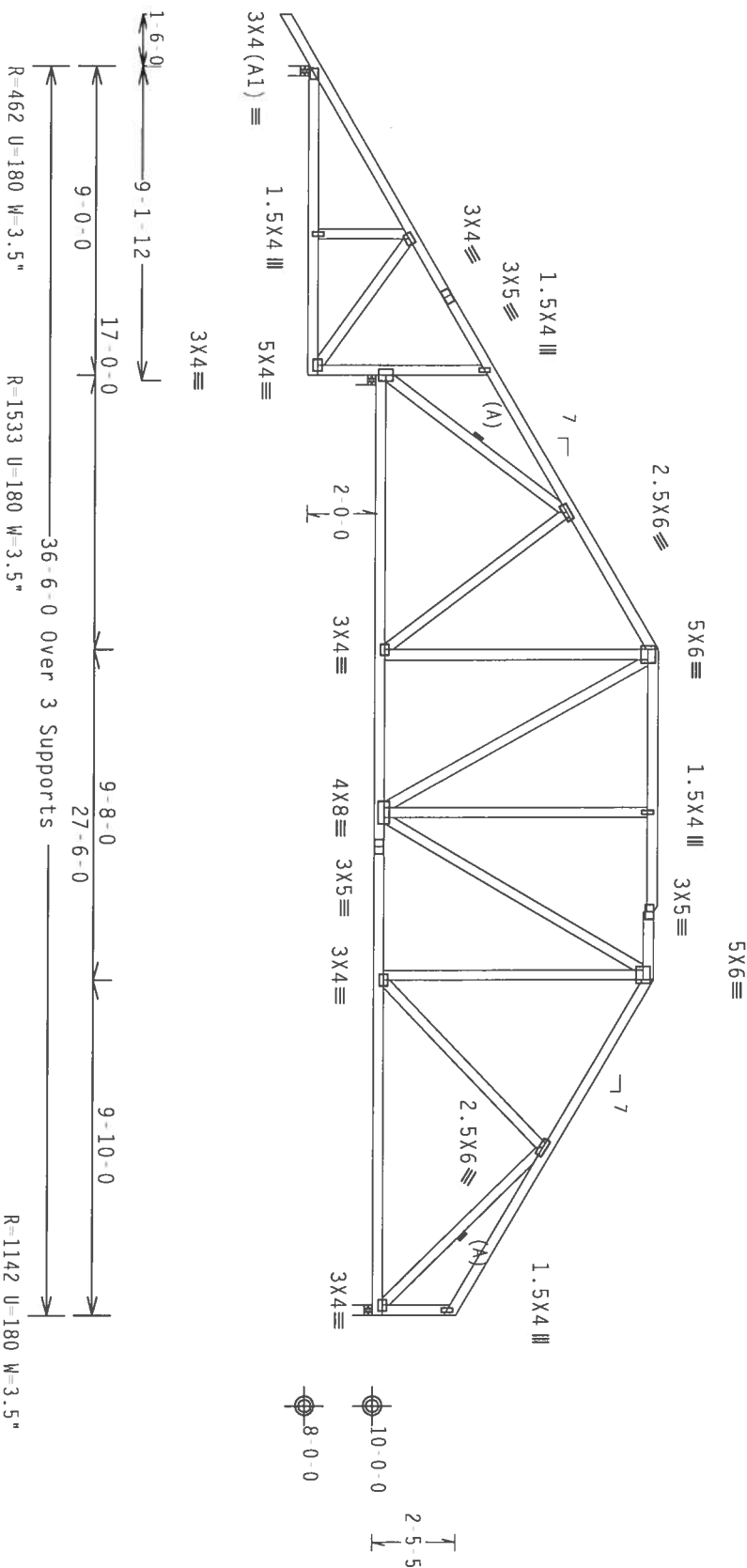
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

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)

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

PROPERTY: 1

FL/14/1-1R/1-

Scale = .1875"/Ft.

WARNING
 THESE REQUIRE EXHAUST CARE IN FABRICATING, HANDLING, STORING, INSTALLING AND BRACING
 BUILDING COMPONENTS (SEE SAFETY INFORMATION). PUBLISHED BY IPI, (THISSA, PATE, 105111, 218
 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD, ROSS, CONNELL, & AMERICA, 6300
 ENTERPRISE LANE, AMOISON, IL, 61519) FOR SAFETY PRACTICES PERTAINING TO PERFORMING THESE FUNCTIONS.
 OTHERWISE, INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCODURAL 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 IP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.



VGT

BC LL 0.0 PSF

HC-ENG JB/AF



Alpine Engineered Products, Inc.

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

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

OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

—

SPACING	24.0"
---------	-------

IRFF-IT30A87-Z01

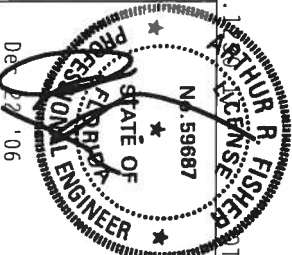
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

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.



DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



TC LL	20.0 PSF	REF	R487 - - 64993
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HGUSR487 06356026
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN -	129659
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	1T30487_201

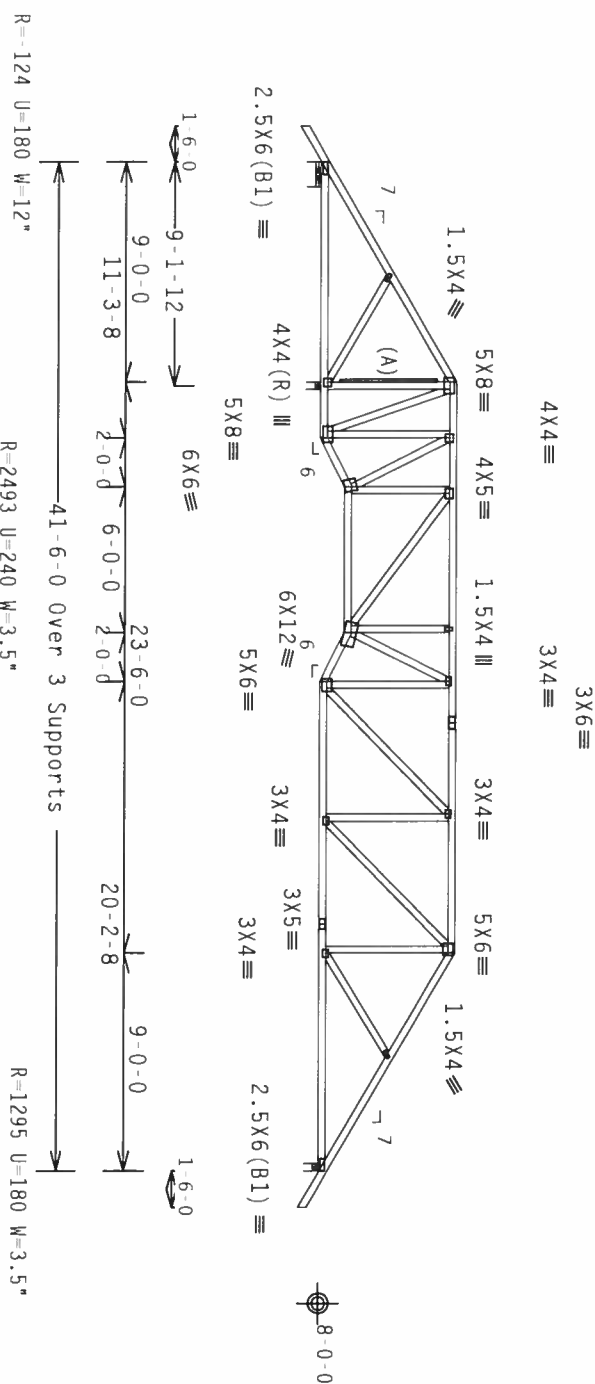
(6 395 Stanley Crawford Construc WILMOTH ** HT9A)
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

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

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

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



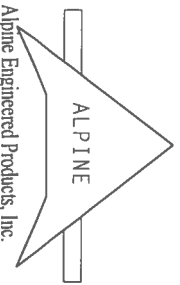
R=124 U=180 W=12"
R=2493 U=240 W=3.5"
R=1295 U=180 W=3.5"

PLT TYP. Wave

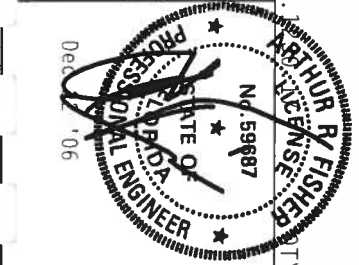
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSTI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2100 NORTH ITC 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 & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. ALPINE ENGINEERED PRODUCTS ARE MADE OF 20/10/10/10 (E-11/55/25) ASH/ALDER GRADE 40/80 (E-11/55) GALV. STEEL. APPLY PROTECTIVE COATING TO ALL EXPOSED SURFACES. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100N.2. ANY INSPECTION OF PLATES FOR 100N.2. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100N.2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE TRUSS DESIGNER'S DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certification # 1111



TC LL	20.0 PSF	REF	R487 - - 64995
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCUSR487 06356013
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON-	129463
DUR.FAC.	1.25		
SPACING	24.0"	JRFF	1T30487_201

Scale = .125"/ft.

Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf

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


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

7.24.1381

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

Scale = .125"/Ft.

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

Alpine Engineered Products, Inc.

Haines City, FL 33844
Certificate #

Dec 22 '06

TC LL	20.0 PSF	REF	R487 - 64997
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCUSR487 06356001
BC LL	0.0 PSF	HC-ENG	KH/AF
TOT.LD.	40.0 PSF	SEQN-	130347
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T3D487_201

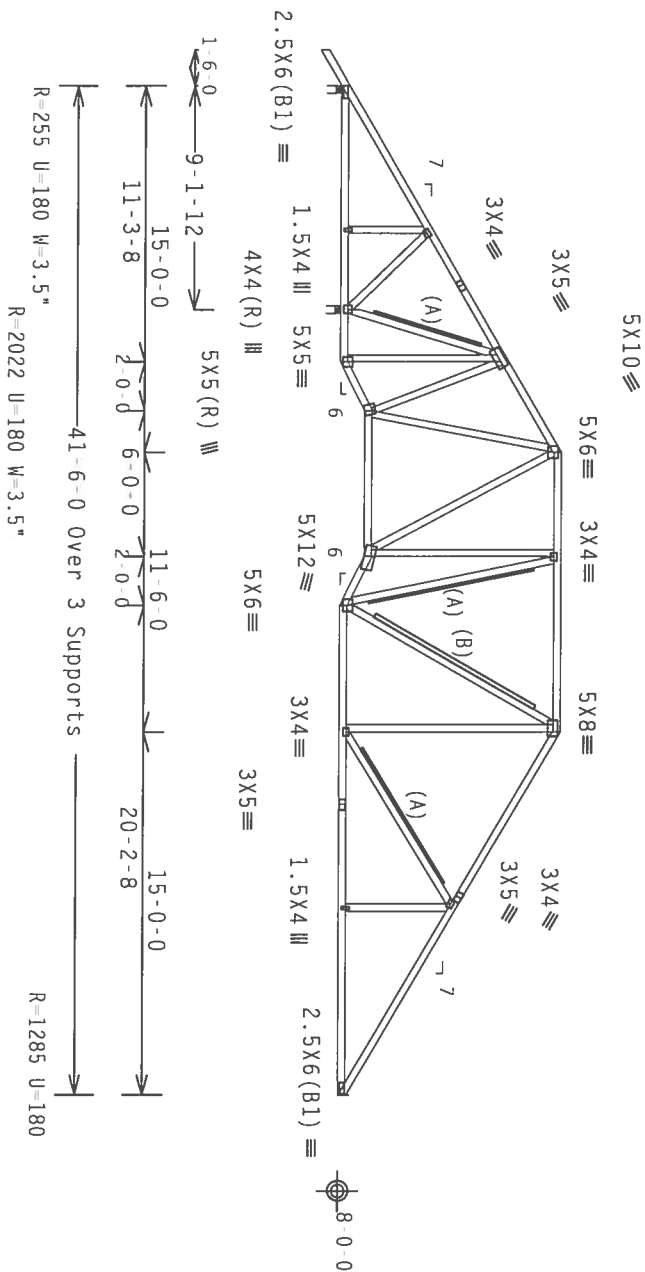
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

(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.

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

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

(A) 1x4 SP #3 or better "T" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC. In lieu of structural panels or rigid ceiling use purtins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

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

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

7.24.1

FL/14/1/R/

Scale = .125"/Ft.

WARNING
 THESE REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, AND BRACKET
 REFERENCE TO BE31
 (BIOLOGIC COMPONENT SAFETY INFORMATION) - PUBLISHED BY THE TRUSS PRACTICE INSTITUTE, 218
 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WEA (WOOD ENGINEERING CONSULTING OF AMERICA, 6500
 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 TOP CEILING.

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

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

ALPINE

CONCRETE PLATES ARE MADE OF 20/18/1965A (M.1/55/3) R/515TH A653 GRADE 40/60 (M. K/H.55) GALV. STEEL. APPLIED TO EACH FACE OF THUS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IPI-1.2002 SEC.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. A SEAL ON THIS DRAWING IS REQUIRED FOR THE TRADING COMPANY.

Dec 22 '06

101.LD:	40.0 PSF
DIB EAC	1.25

SEQN -	129514
--------	--------

CI Certificate of Analysis # 517

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.

1000

SPACING	24.0"
---------	-------

JRFF - 1T3D4R7_Z01

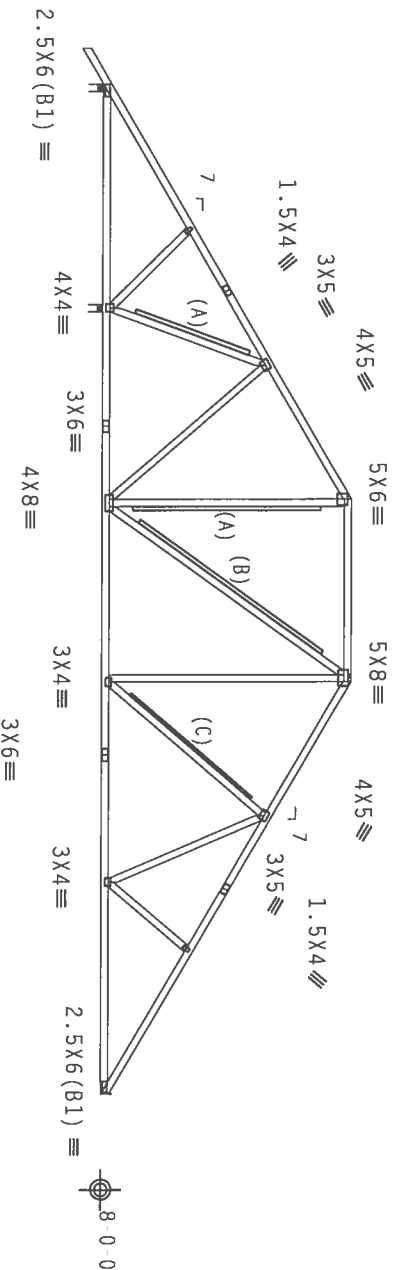
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

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

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

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



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

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

7.24.120617

FL/14/1-1R/1-

Scale = .125"/Ft.

****WARNING****
 THESE REQUIRE EXTERIOR CARE IN PAVILION, HANDLING, STUPING, AND BRACING
 REFER TO DESI BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE STEEL FRAMES PLATE INSTITUTE.
 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND THE AMERICAN IRON AND STEEL INSTITUTE, 6000
 ENTERPRISE LANE, HANSON, IL 61539 FOR SAFETY PRACTICES PRIOR TO REPAIRING THESE FUNCTIONS. UNLESS
 OTHERWISE INDICATED, FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
 PROPERLY ATTACHED RIGID CEILING.

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

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

CONCRETE PLATES MADE OF 70/18/16/6 (W/H/T/S) A563 GRADE 40/60 (W/H/T/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-Z. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SEE 3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SEE 3.

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

Dec 12 '06

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

TC LL	20.0 PSF	REF R487 - 64999
TC DL	10.0 PSF	DATE 12/22/06
BC DL	10.0 PSF	DRW HCUR487 06356003
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN 129525
DUR.FAC.	1.25	
SPACING	24.0"	JRFF - 1T30487_201

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

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

Right end vertical not exposed to wind pressure.

(A) SP #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3", min.) nails @ 6" OC.

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

2x4 III

2.5X6 ≡

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

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

Scale = .1875"/Ft.

№ 59687

**** IMPORTANT ****

FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH PD1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH PD1 AND IS NOT TO BE USED FOR ANY OTHER PURPOSES.

CONNECTION PLATES ARE MADE OF 20/18/16GA (H.M.SS/K) ASTM A653 GRADE 40/60 (H.K/H.SS) GALV. STEEL. APPLICATION OF WELDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF BS EN ISO 9001 AND BS EN ISO 9002 CERTIFICATION. ALL WELDS SHALL BE TO THE REQUIREMENTS OF BS EN ISO 5817 CLASS B.

PLATES TO FACIL FACE REPAIRS AND UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS VISA-2

ALPINE

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEA3 OF 1P11-2002 SEC.3.

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

TC LL	20.0 PSF	REF	R487 - 65000
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HGUSR487 06356041
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	16167
DUR.FAC.	1.25		
SPACING	24.0"	JPRF-	1T30N487_201

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :82 2x6 SP #1 Dense:
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

Calculated horizontal deflection is 0.21" due to live load and 0.33" due to dead load.

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

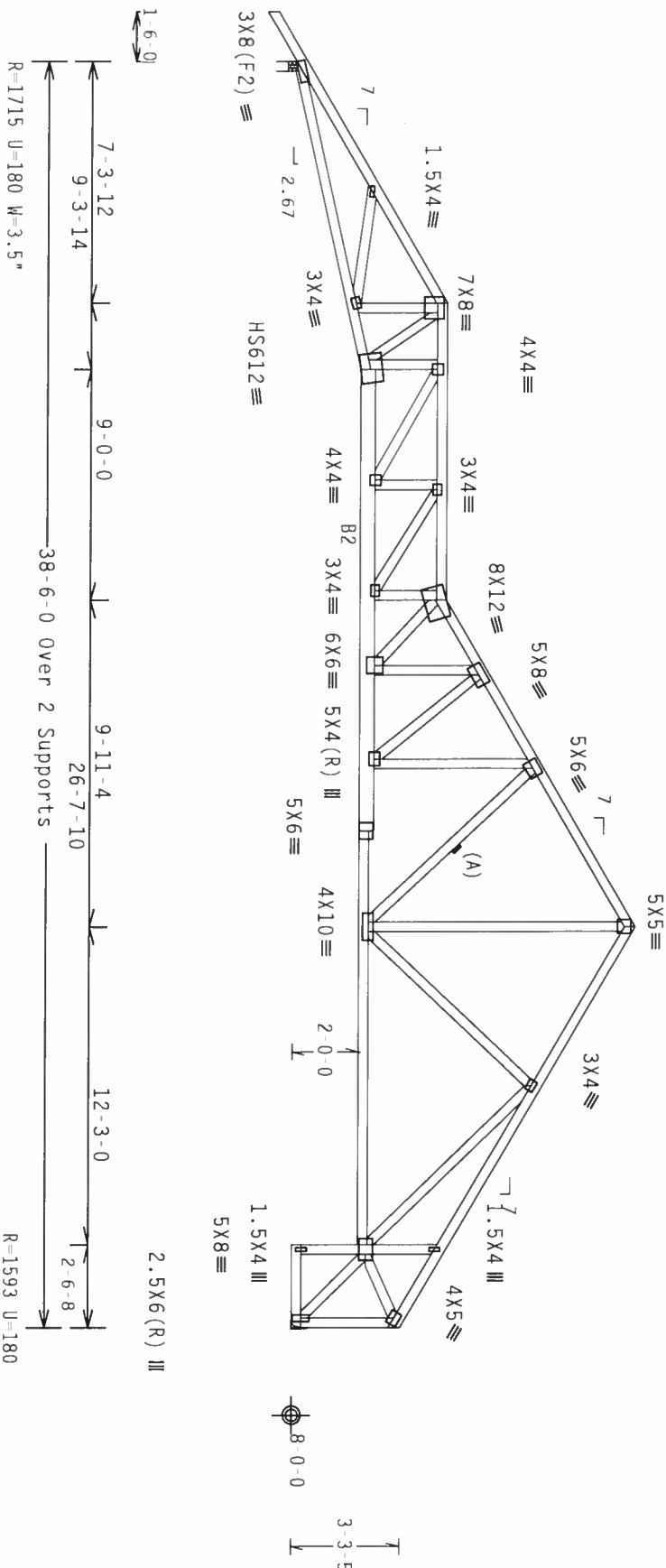
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

Calculated vertical deflection is 0.43" due to live load and 0.69" due to dead load at X = 16'-0.4."



PLT TYP. 20 Gauge HS.Wave

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

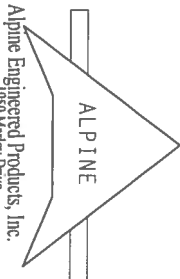
FL/-/4/-/R/-

Scale = .1875"/ft.

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

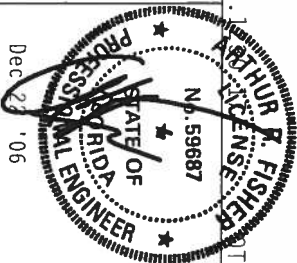
****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASD) AND TPI. ALPINE PLATES TO EACH JOINT SHALL BE 20/10/HGA (W/H/SS/RS) ASH A663 GRADE 40/80 (W/H/SS/RS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AWS/TPI 1 SEC. 2.



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

Certificate of Designation #



TC LL	20.0 PSF	REF R487-- 65001
TC DL	10.0 PSF	DATE 12/22/06
BC DL	10.0 PSF	DRW HCUR487 06356032
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 16164
DUR.FAC.	1.25	
SPACING	24.0"	REF- 1T30487_201

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

Wind reactions based on MWFRS pressures.

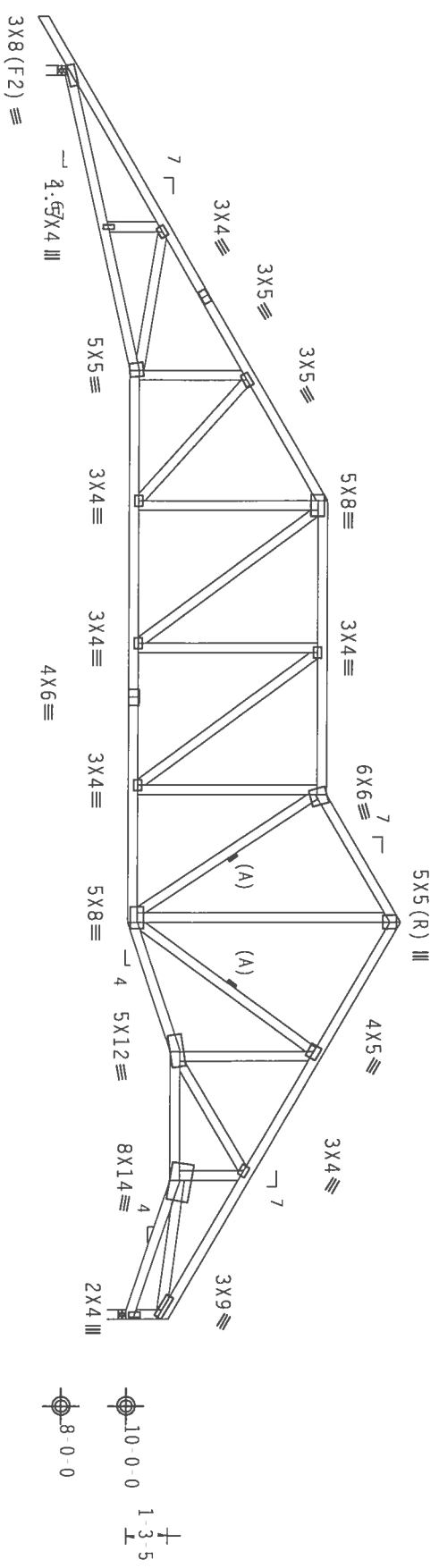
(A) Continuous lateral bracing equally spaced on member.

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 II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



1'-6-0
13-3-12
9-3-14
16-11-2
9-0-0
38-6-0 Over 2 Supports
3-11-4
4-0-0
12-3-0
4-3-8
4-0-0
R-1716 U=180 W=3.5"
R-1597 U=180 W=3.5"

PLT TYP. Wave

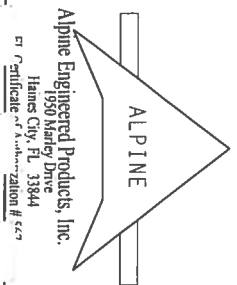
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.12

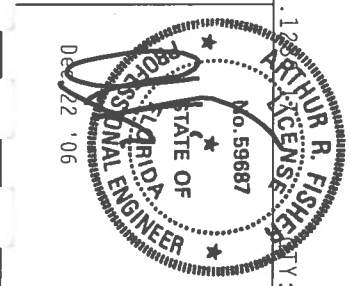
Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&I (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MERRILL AVENUE, CHICAGO, IL 60610) 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 CORRECTIONS WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MERRILL AVENUE, CHICAGO, IL 60610) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MERRILL AVENUE, CHICAGO, IL 60610) SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT MANUFACTURER. THE ACCEPTANCE OF THIS DESIGN BY THE TRUSS MANUFACTURER SHALL BE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate of Authorization # 547



TC LL	20.0 PSF	REF	R487 - 65004
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCSR487 06356025
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	129623
DUR.FAC.	1.25		
SPACING	24.0"	JRFF	1T30487_201

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

Wind reactions based on MMFRS pressures.

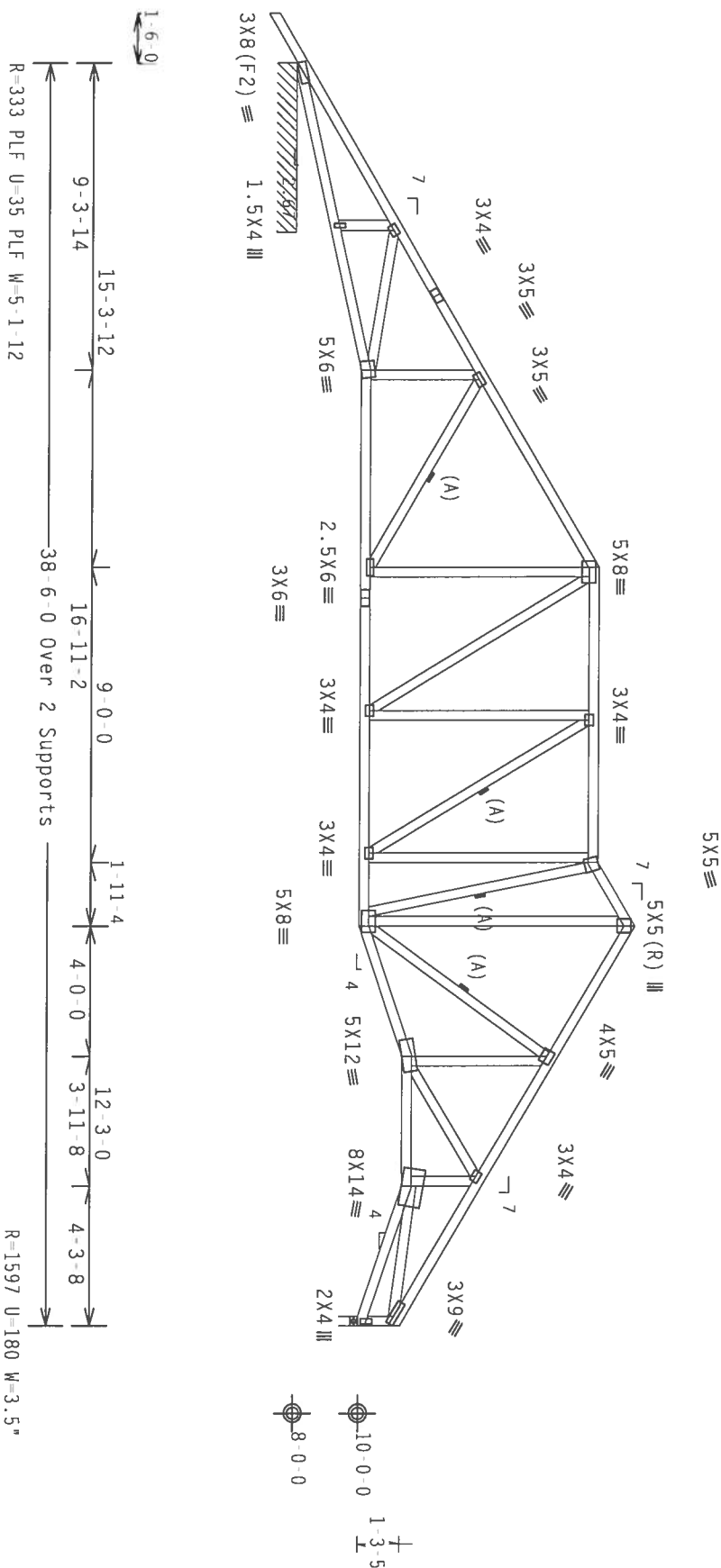
(A) Continuous lateral bracing equally spaced on member.

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 II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.14" due to live load and 0.23" due to dead load.

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



PLT TYP. Wave

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

7.24.12

FL/-/4/-/R/-

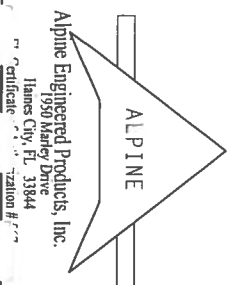
Scale = .1875"/ft.

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

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

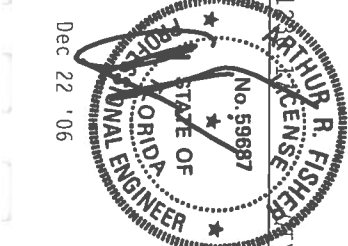
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HDS (NATIONAL DESIGN SPEC. BY AREA) AND TPI. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

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



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

Professional Engineer
License No. 59687
State of Florida
Expiration Date 12/22/06



TC LL	20.0 PSF	REF	R487 - 65005
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCSR487 06356040
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEQN-	129617 REV
DUR. FAC.	1.25	JRRF-	1T3D487-201
SPACING	24.0"		

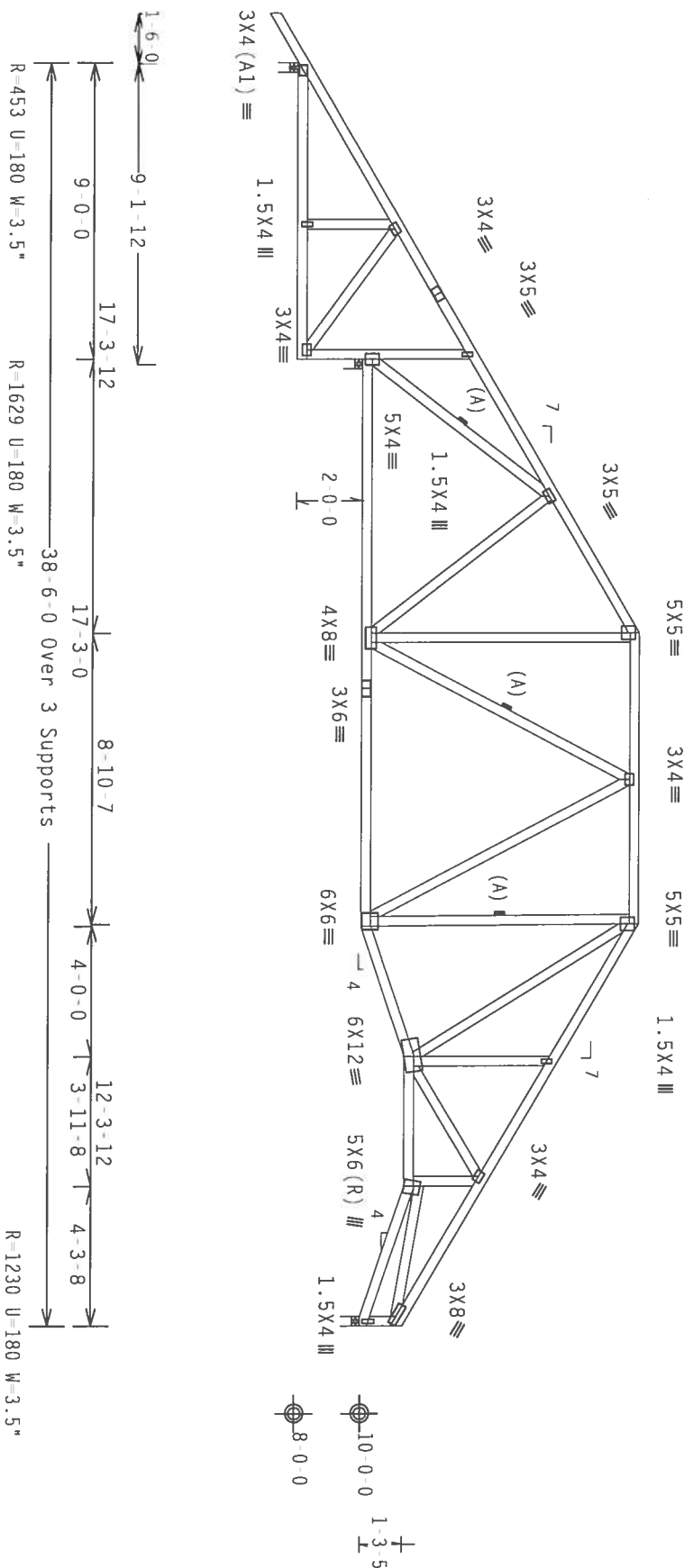
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

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

Shim all supports to solid bearing.

(A) Continuous lateral bracing equally spaced on member.

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



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

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

7.24.

EXPENSE

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

Scale = .1875"/ft.

*****WARNING*****
 THESE REQUIRE EXPLICIT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING
 REFER TO RC61 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE STEEL PLATE INSTITUTE, 218
 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND AISC (WOOD JOINTS COMMITTEE), AMERICA
 ENTERPRISE LANE, HANOVER, VA 22919 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 CELLING.

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

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

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

CONNECTION PLATES ARE MADE OF 20/18/16GA (H.M./SS/K) ASTM A653 GRADE 40/60 (H. K/H.SS) GALV. PLATES TO EACH FACE OF TRUSS AND THESE ALTERNATE LOCATED ON THIS DESIGN POSITION ARE

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TECHNICAL ASPECTS OF THE DESIGN. THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND THE CONSTRUCTION OF THE PROJECT IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS AND THE AASHTO SPECIFICATIONS FOR STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES AND STRUCTURES, LATEST EDITION, AND THE AASHTO SPECIFICATIONS FOR STANDARD SPECIFICATIONS FOR HIGHWAY MATERIALS, LATEST EDITION.

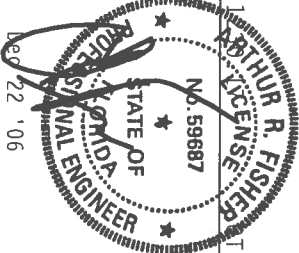
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

Alpine Engineered Products, Inc.

Haines City, FL 33844

Certificate zation H



TC LL	20.0 PSF	REF	R487 - 65006
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCUSR487 06356042
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN -	129644
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	1T3D487 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.

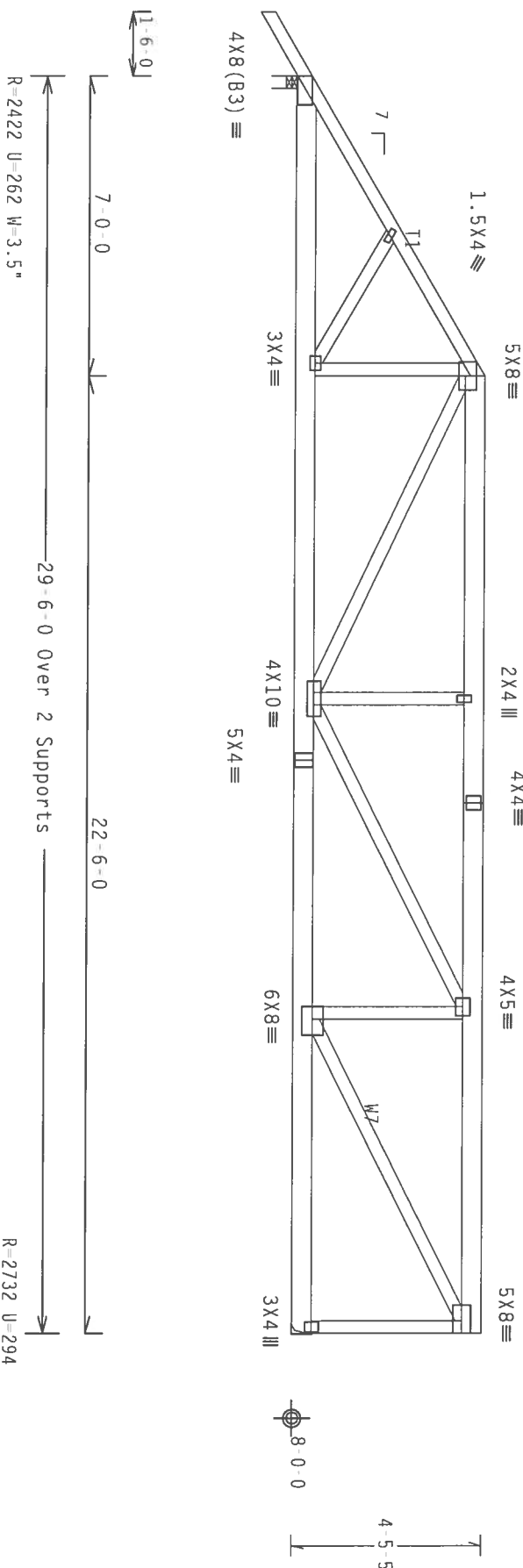
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

LC	From	31 PLF at -1.50 to	31 PLF at 29.50	
BC	From	5 PLF at -1.50 to	5 PLF at 0.00	
BC	From	10 PLF at 0.00 to	10 PLF at 29.50	
TC	456 LB Conc.	Load at 7.00		
TC	190 LB Conc.	Load at 9.00	11.00, 13.00, 15.00, 17.00	
19.00,	21.00,	23.00,	25.00,	27.00,
BC	443 LB Conc.	Load at 7.00		
BC	82 LB Conc.	Load at 9.00	11.00, 13.00, 15.00, 17.00	
19.00,	21.00,	23.00,	25.00,	27.00,
			29.00	

Right end vertical not exposed to wind pressure.

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

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



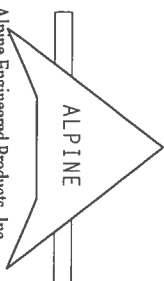
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)

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

7.25.04

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

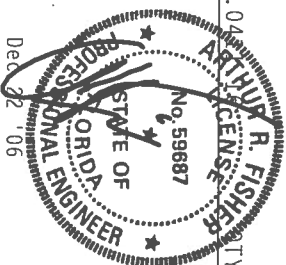
Scale = .25" / Ft.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate # 67-000-034 Station # 670

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

"WARNING" TESTS REQUIRE EXPERT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACKETING TO AVOID DAMAGE TO THE BUILDING COMPONENTS. SEE THE FOLLOWING FOR MORE INFORMATION. PUBLISHED BY THE FIBERS PLASTIC INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND WICKA (WOOD ROSS) CONSULT OF AMERICA, 6500 GORDON ENTERPRISE LANE, HANOVER, NH 03793 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERTY ATTACHED RIGID CELLING.



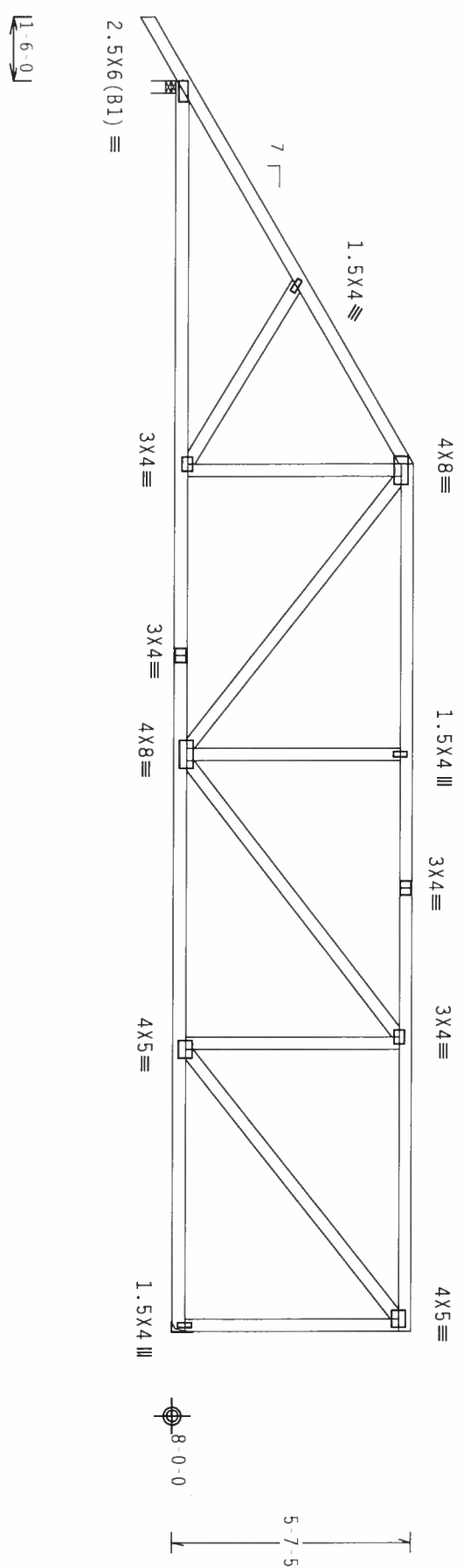
TC LL	20.0 PSF	REF	R487 - 65007
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCSR487 06356046
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	65295 REV
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T3D487_201

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

Wind reactions based on MMFRS pressures.

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

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

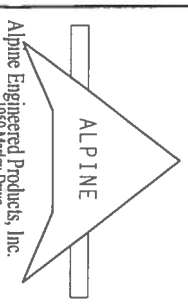


9'-0'-0
29'-6'-0 Over 2 Supports
R=1337 U=180 W=3.5"
R=1217 U=180

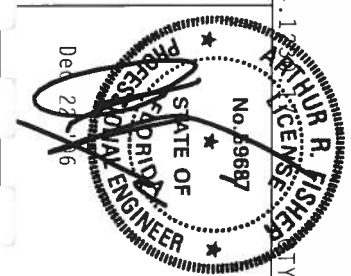
PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY, 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 905 (NATIONAL DESIGN SPEC. BY AISC) AND TPI: ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/S/V) ASTM A653 GRADE 40/50 (W. K/H. 55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z.



Alpine Engineered Products, Inc.
1950 Marney Drive
Haines City, FL 33844
Certificate # 2210



TC LL	20.0 PSF	REF	R487 - 65008
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCSR487 06356047
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEON	16189
DUR. FAC.	1.25		
SPACING	24.0"		

Scale = .25"/ft.

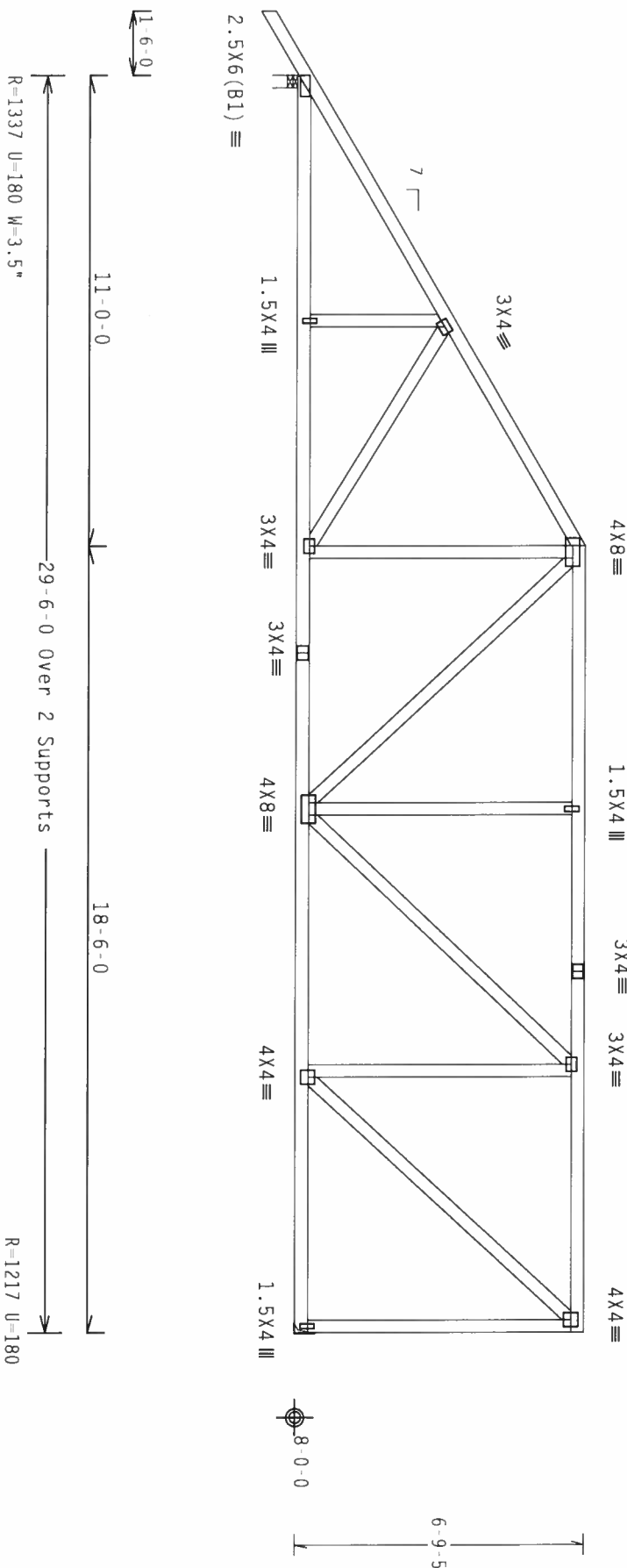
TRFF- 1730487_201

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

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.

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)

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

7.24.1 **INCENSE** **EXPIRY: 1**

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

Scale = .25"/Ft.

*****WARNING***** THESE REQUIRE EXPERT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACKETING. (BUILDING CONSTRUCTION SAFETY INFORMATION). PUBLISHED BY THE FRUIT PRESS INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK (WOOD) FRUIT COUNCIL OF AMERICA, 62000 KENTWORTH LANE, #401018, #51319 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 GRID CEILING.

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


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

PLATES IN EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS 160A 2 CONNECTION PLATE AND MODEL OF 20/10/1006 (M, 11/55/K) ASIN 8055 GRADE 40/60 (M, K/11/55) GALV. STEEL. APPL

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

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

15



Alpine Engineered Products, Inc.
1950 Markey Drive
Haines City, FL 33844
Phone: (813) 291-1000
Fax: (813) 291-1001
E-Mail: info@alpineeng.com
Web: www.alpineeng.com

15

Dec 22 '06

TC LL	20.0 PSF	REF	R487 - 65009
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCSR487 06356048
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN -	16191
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	1T30487 201

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

Wind reactions based on MMFRS pressures.

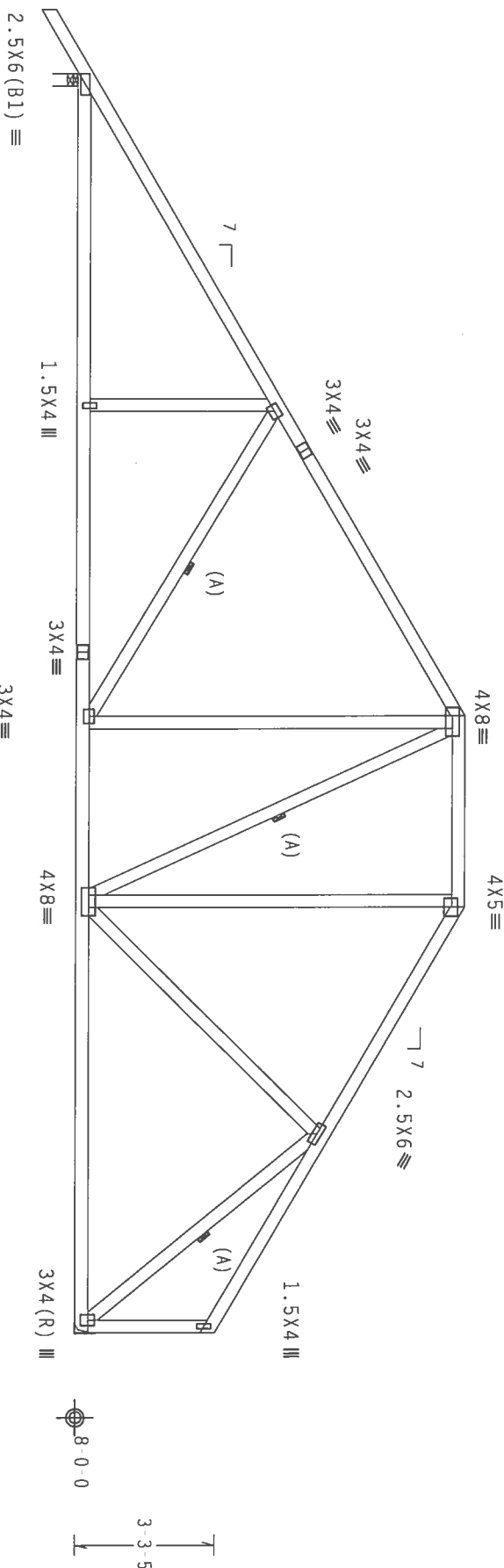
(A) Continuous lateral bracing equally spaced on member.

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 II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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



15'-0" 4'-6" 10'-0" 3'-3"

29'-6" Over 2 Supports

R=1337 U=180 W=3.5"

R=1217 U=180

PLT TYP. Wave

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

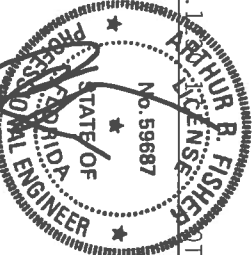
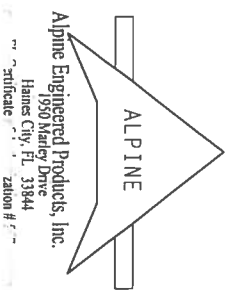
QTY: 1

FL/-/4/-/R/-

Scale = .25"/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, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICK (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 CORRECTIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PJA AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2, 160B.2, 160C.2, 160D.2, 160E.2, 160F.2, 160G.2, 160H.2, 160I.2, 160J.2, 160K.2, 160L.2, 160M.2, 160N.2, 160O.2, 160P.2, 160Q.2, 160R.2, 160S.2, 160T.2, 160U.2, 160V.2, 160W.2, 160X.2, 160Y.2, 160Z.2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE TRUSS COMPANY DESIGNING THE TRUSS SHALL BE RESPONSIBLE FOR THE TRUSS COMPANY'S DESIGN. THE TRUSS COMPANY'S DESIGN SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 SEC. 2.



TC LL	20.0 PSF	REF R487-- 65011
TC DL	10.0 PSF	DATE 12/22/06
BC DL	10.0 PSF	DRW HCUR487 06356002
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 16195
DUR.FAC.	1.25	
SPACING	24.0"	UPRF- 1T30A87-201

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

Wind reactions based on MWFRS pressures.

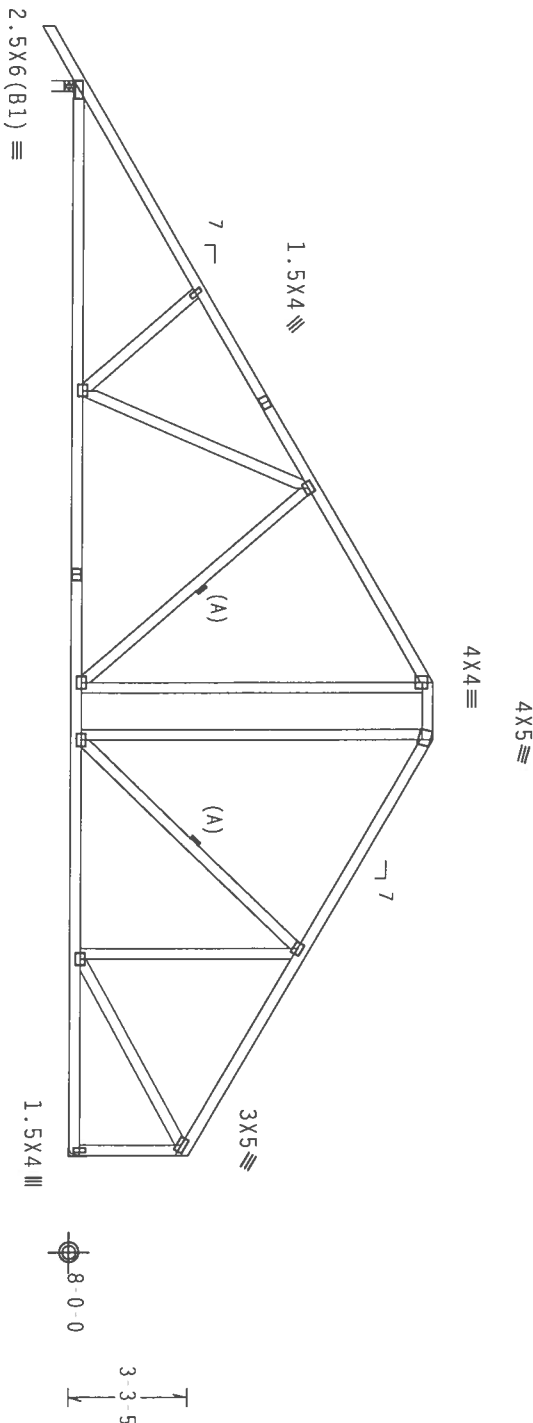
(A) Continuous lateral bracing equally spaced on member.

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 II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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



1-6-0
16-5-8
1-7-0
11-5-8
29-6-0 Over 2 Supports
R=1337 U=180 W=3.5
R=1217 U=180

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

FL/-/4/-/R/-

Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO MCSI (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2100 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 OR PLATES ARE MADE OF 20/10/16GA (W/H/SS/VS) ASH A663 GRADE 40/60 (W. K/H/SS) GALV. STEEL. APPLY THE FOLLOWING DIMENSIONS TO THE TRUSS DESIGN, POSITION PER DRAWINGS 160A-Z. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE TRUSS DESIGNER'S DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL 20.0 PSF REF R487-- 65012

TC DL 10.0 PSF DATE 12/22/06

BC DL 10.0 PSF DRW HCUR487 06356038

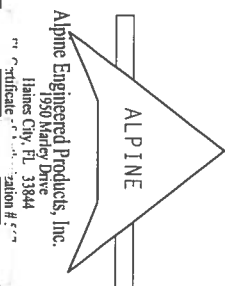
BC LL 0.0 PSF HC-ENG JB/AF

TOT.LD. 40.0 PSF SEQN- 16197

DUR.FAC. 1.25

SPACING 24.0"

JRRF- 1T30A87_201



Alpine Engineered Products, Inc.
1950 Mary Drive
Haines City, FL 33844
Toll Free 1-800-368-2222
Fax 888-222-2222

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

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

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

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

RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

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

PROPERTY:

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


Scale = .3125"/Ft.

No. 59687

Dec 21, 06

6

TC LL	20.0 PSF	REF	R487 - 65013
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCSUR487 06356012
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN -	129743 REV
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	IT30487_201



Alpine Engineered Products, Inc.
 1950 Halsey Drive
 Haines City, FL 33844
 Telephone: (813) 281-0000
 Telex: 231000
 Cable: 231000

****WARNING**** ISSUES RELATIVE EXTERIOR CASE IN FABRICATION. HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO GC'S (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY IP1 (FIRMS PLATE, INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD ROSS CONSULT, OF ACHER, 6200 ENTERPRISE LANE, HANNOVER, NH, 03109) FOR SAFETY PRACTICES PRIOR TO PICKUPING 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 FIRMS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF THESE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 905 (NATIONAL DESIGN SPEC, BY AREA) AND IP1. APPLICABLE CONNECTION PLATES ARE MADE OF 2018/19664 (W-1155/25) ASTM A551 GRADE 40/60 (W-21/55) GALV. STEEL. APPLICABLE PLATES TO EACH FACE OF IRONS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1606-2.1. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANCH AS OF IP11 2012 SEC.3. A SEAL ON EACH DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SILENT FOR THE IRONS COMPONENTS OF THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/PTI 1 SEC. 2.

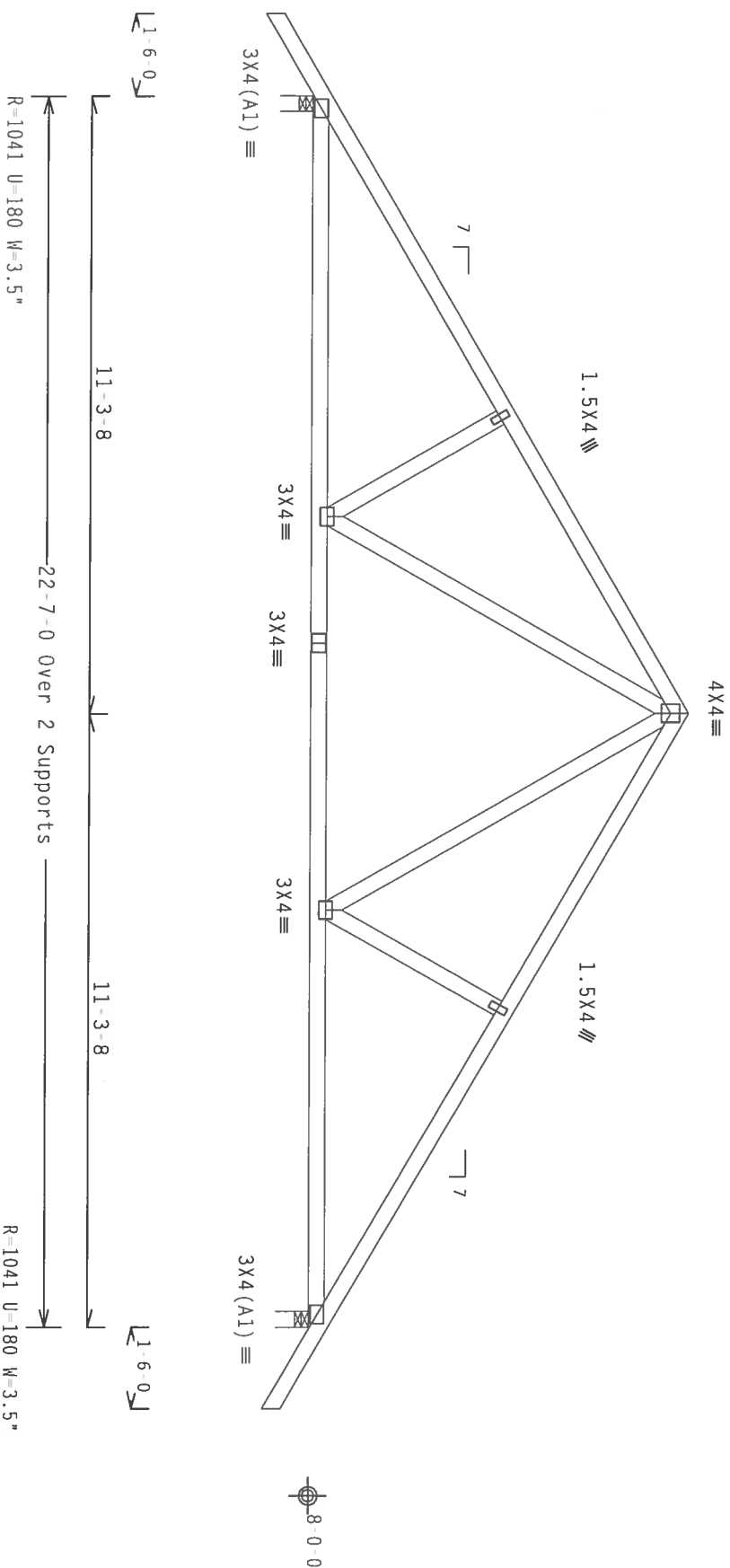
TC LL	20.0 PSF	REF	R487 - 65013
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCSUR487 06356012
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN -	129743 REV
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	IT30487_201

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

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

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

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



PLT TYP. Wave

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

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

12017 CENSUS

FL/14/1/R/

Scale = 3125"/Ft.

WARNING
STRESS RESISTANT EXTERIOR CASE IN FABRICATION. HANDLING, STIFFNESS, INSTALLING AND BACKFILLING MUST BE DONE CAREFULLY TO PREVENT DAMAGE TO THE PRODUCT.
REFER TO DCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI, (THRUSS PLATE INSISTANCE),
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304, AND WICKA GROUND TRUSS COMPANY OF AMERICA, 6700
ENTERPRISE LANE, HANNOIS, IL 63119 FOR SAFETY PRACTICES PERTAINING THESE FUNCTIONS. UNLESS
OTHERWISE INDICATED FOR 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

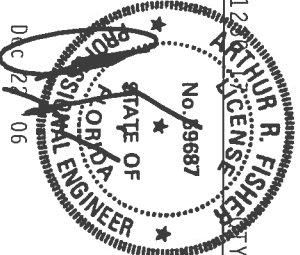
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI'S OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AWS (NATIONAL DESIGN SPEC., BY A6PPA) AND T1. ALPHINE
CONNECTOR PLATES ARE MADE OF 20/18/1666 (W/H/SS/K) ASTM A653 GRADE 40/60 (W. K/H,SS) GALV. STEEL. APPLY
CONCRETE TO FULL FACE OF CHANNEL AND

PLATES TO EACH 1.00 INCH AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A AND 160B. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMNCA 3.3 OF IP11-2002 SEC.3, DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TOWER COMPONENTS.

DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/AP1 1 SEC. 2.

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



TC LL	20.0 PSF	REF	R487 - 65014
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCSRA487 06356021
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	16151
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	173D487_201

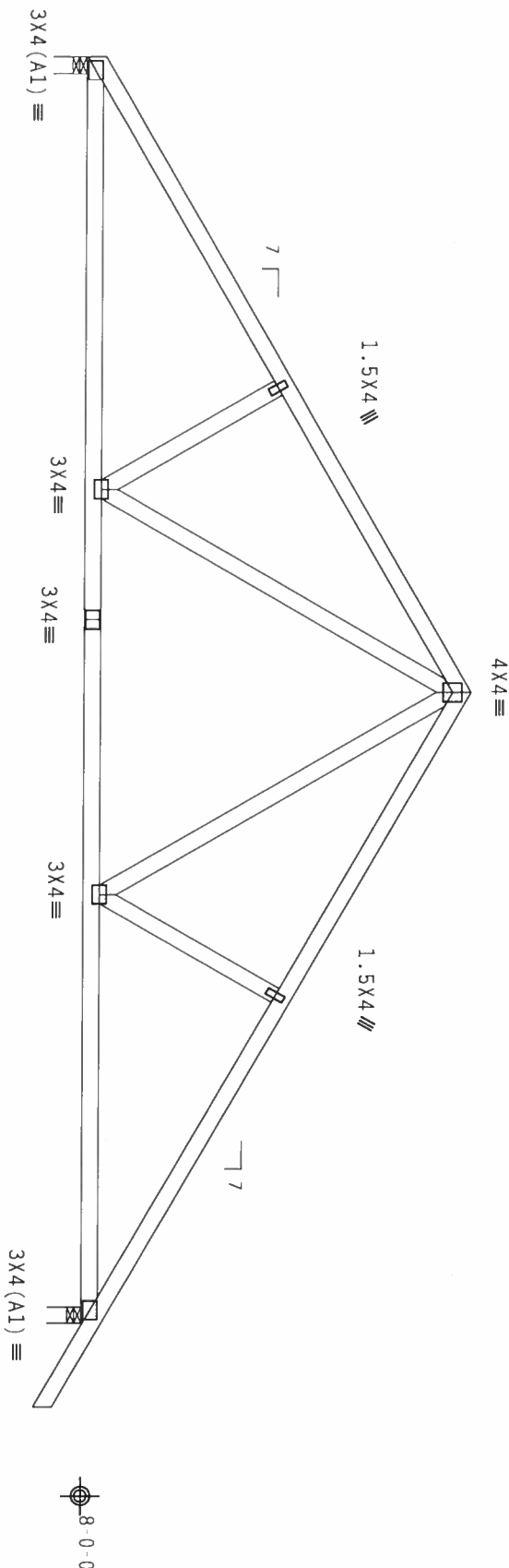
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

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 $D_L=5.0$ psf, wind BC $D_L=5.0$ psf.

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



PLT TYP. Wave

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

(O)

THE UNIVERSITY OF CHICAGO

3 F11-411-1-R1-

Scale = .3125"/Ft.


WARNING: THESE RECORDS EXTREME CARE IN LIFTING AND HANDLING. THE SPLITTING, INSTALLING AND BRACING REFER TO BEST PRACTICES FOR THE PROTECTION OF THE RECORDS. PUBLISHED BY IPI, (10155 PINE AVE., #100, NORTH LEE STREET, SUITE 312, ALTIMAN, IA 52104), AND AERCA (4000 BRASS COUNTRY, OF AMERICA, 100 ENTERPRISE LANE, MAISON, IL 53119). TOP SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP GROUND SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GROUND SHALL HAVE PROPERLY ATTACHED GRID CEILING.

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

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

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP11 2002 SEC.3.
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SEAL ON THIS
PLATES TO EACH OF CROSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
 1950 Amber Drive
 Haines City, FL 33844
 Tel. 813/291-1111 • Telex 154241 • Cable ALPINE

Haines City, FL 33844
 TC Certificate # 44-23410 # 667

Dec 22 '06

TC LL	20.0 PSF	REF R487 - 65015
TC DL	10.0 PSF	DATE 12/22/06
BC DL	10.0 PSF	DRW HCUSR487 06356031
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN - 16155
DUR.FAC.	1.25	
SPACING	24.0"	JRFF - 1T30487_Z01

(6 395 Stanley Crawford Construc WILMOTH . ** CG)
Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3 : W7 2x4 SP #2 Dense:

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 @ 3.50" o.c.
Webs : 1 Row @ 4" o.c.

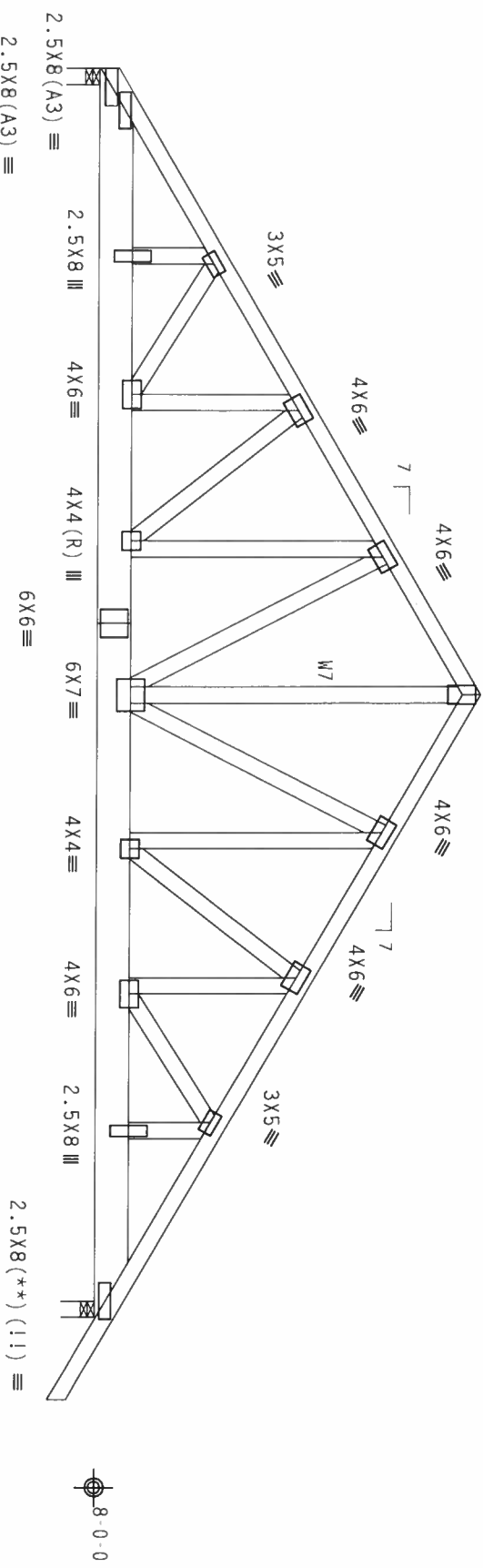
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

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.

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

SPECIAL LOADS

TC - From	63 PLF at 0.00 to 63 PLF at 24.08
BC - From	20 PLF at 0.00 to 20 PLF at 22.58
BC - From	5 PLF at 22.58 to 5 PLF at 24.08
BC - 1593 LB Conc. Load at	2.06, 4.00
BC - 1217 LB Conc. Load at	6.06, 7.52, 9.52, 11.52, 13.52
BC - 2619 LB Conc. Load at	15.52



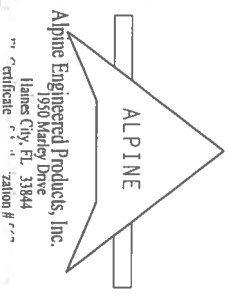
11-3-8 11-3-8 11-3-8
22-7-0 Over 2 Supports
R=8018 U=862 W=3.5"
R=5853 U=630 W=3.5"

PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.25.04 ARTHUR R. FISHER No. 59867 STATE OF FLORIDA PROFESSIONAL ENGINEER TC LL 20.0 PSF REF R487 - - 65016 TC DL 10.0 PSF DATE 12/22/06 BC DL 10.0 PSF DRW HCURS487 06356043 BC LL 0.0 PSF HC-ENG JB/AF TOT.LD. 40.0 PSF SEQN- 65299 REV DUR.FAC. 1.25 JRRF - 1T30487 201 SPACING 24.0"

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 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 DESIGN IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN OR PLATES MADE OF 2018/1664 (40/55/75) ASTM A553 GRADE 40/60 (4, K/H, S5) GALV. STEEL. APPLY PLATES TO PLATES MADE OF 2018/1664 (40/55/75) ASTM A553 GRADE 40/60 (4, K/H, S5) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TPI-2002(STD) OR THE TRUSS COMPONENT DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. A SEAL ON THIS DRAWING INDICATES THE SUFFICIENCY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

Wind reactions based on MWFRS pressures.

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.

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

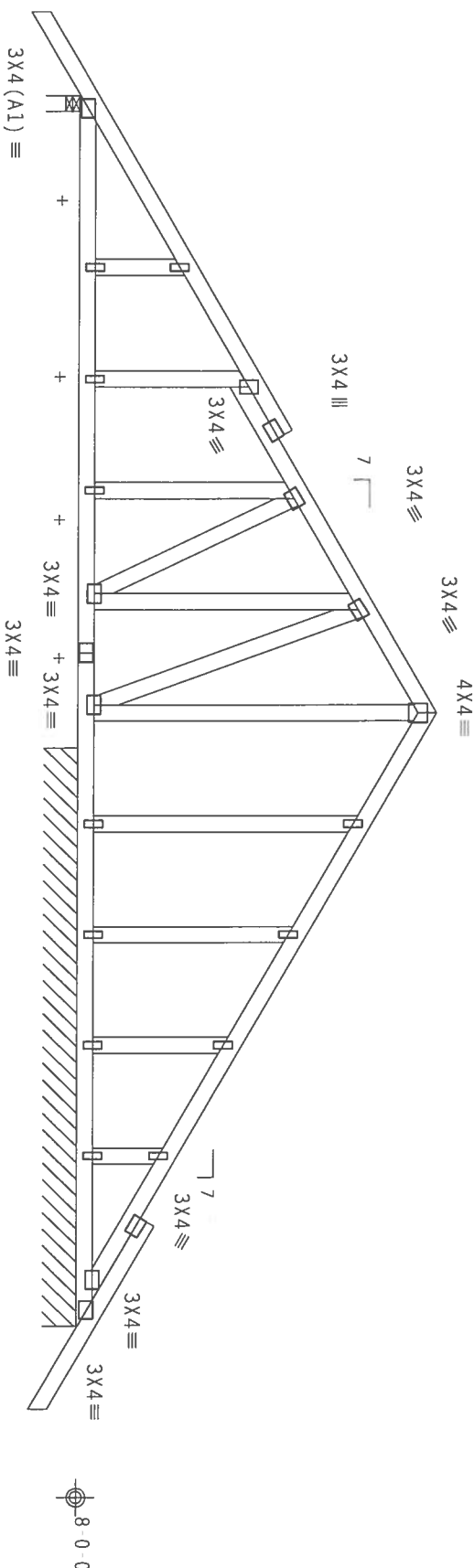
+ MEMBER TO BE LATERALLY BRACED FOR WIND LOADS PERPENDICULAR
TO TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY
OTHERS.

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

See DWGS A11015EE0405 & GBLLETT110405 for more requirements.

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

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



1-6-0
5-2-12 0-11-0 4-11-4 9-1-9 1-5-10-5-9
R=1154 W=3.5"
R=215 PLF W=10-5-8
22'-2" over 2 supports
1-6-0

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

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

7.24.12

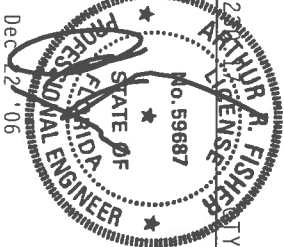
Scale = .3125"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
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 & BRACING OF TRUSSES.
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300
ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
A PROPERLY ATTACHED RIGID CEILING.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Phone # 888-338-3384
Fax # 888-338-3384



TC LL	20.0 PSF	REF	R487 - 65017
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCUSR487 06356004
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEQN-	129574 REV
DUR. FAC.	1.25		
SPACING	24.0"	JRFF-	1T30487 201

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

SPECIAL LOADS

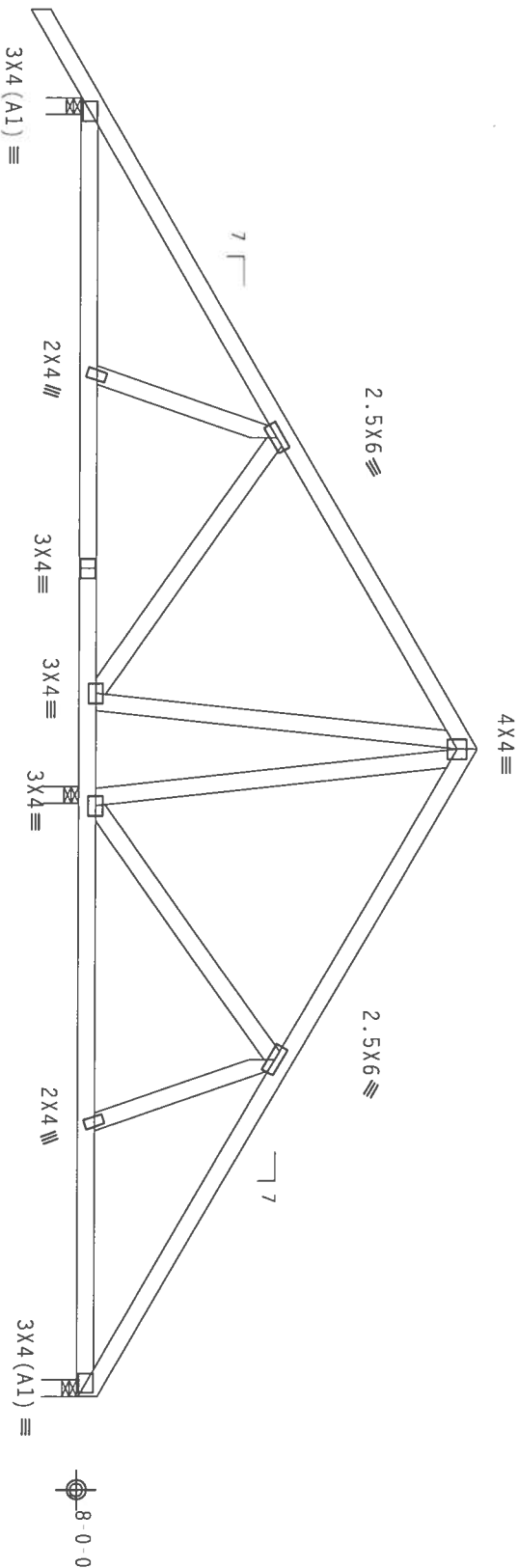
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at -1.50 to 63 PLF at 22.17
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 8.00
BC - From 20 PLF at 8.00 to 20 PLF at 22.17
BC - 279 LB Conc. Load at 14.90, 16.90, 18.90, 20.90

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.



11-10-4
11-1-0
22-2-0 Over 3 Supports
R=525 U=180 W=3.5"
R=1535 U=180 W=3.5"
R=1002 U=180 W=3.5"

PLT TYP. Wave

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

7.24.1

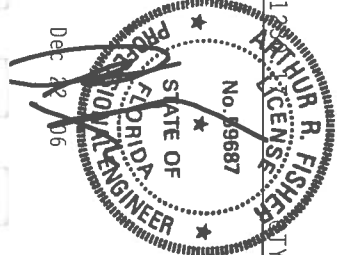
Scale = .3125"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE1 (BOLTING CONNECTIONS) AND BCSE2 (BRACING) FOR ADDITIONAL INFORMATION. 208 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314. AND WICHITA TRUSS COMPANY, INC. 208 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314. OTHERWISE LAMINATE, HADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PLATES AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/16GA (44 H/55 H) ASTM A653 GRADE 40/60 (4, K/H, 55) GALV. STEEL. APPLY ANY TOLERANCES TO PLATES TOLERANCES BY (1) SHALL BE PER AISC A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.

ALPINE

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



TC LL	20.0 PSF	REF	R487 - 65018
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCSR487 06356028
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON-	129588
DUR.FAC.	1.25		
SPACING	24.0"		

DATE: 12/22/06

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

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

Wind reactions based on 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.

2 COMPLETE TRUSSES REQUIRED

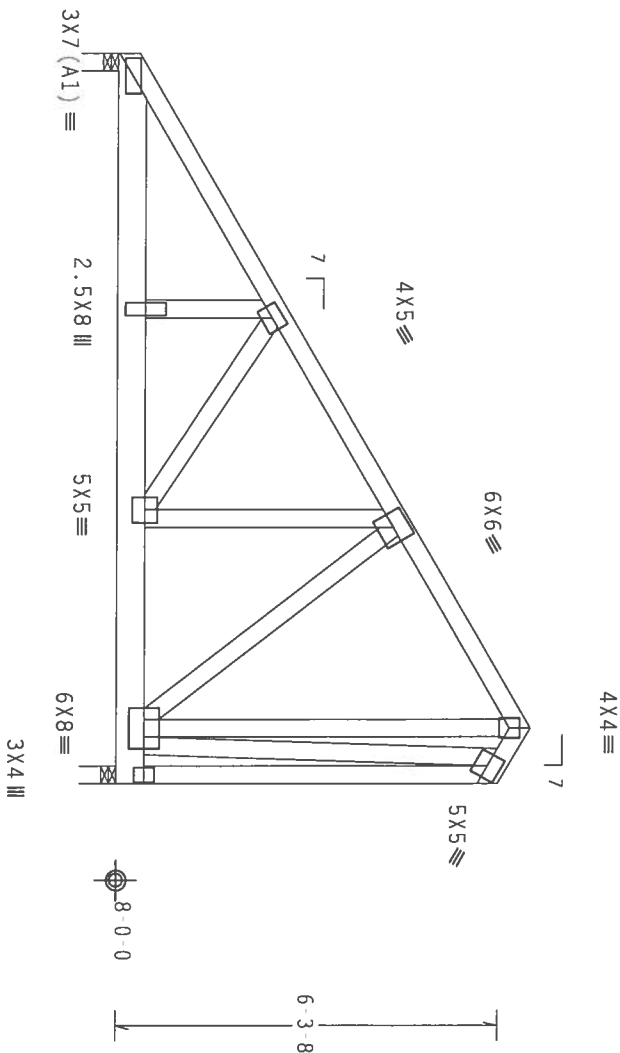
Nailing Schedule: (12d Common (0.148"x3.25", min.) nails)

Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @6.00" o.c.
Webs : 1 Row @ 4" o.c.

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

Right end vertical not exposed to wind pressure.

Girder supports 32'-6" span to BC one face and 2'-0" span to TC/BC split opposite face.

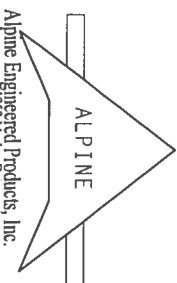


PLT TYP. Wave

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

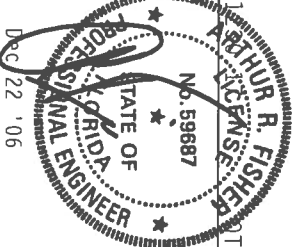
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 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 & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF ROS (NATIONAL DESIGN SPEC. BY AIA/ASA AND TPI. ALPINE CONSTRUCTION PLATES ARE MADE OF 20/18/16GA (40/35/25) ASTM A653 GRADE 40/60 (4, 6/21, 25) GALV. STEEL. APPLY ANY INSPECTION OF PLATING FOR CORROSION. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

Professional Engineer
License # 11111



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

Scale = .3125" / Ft.

TC LL	20.0 PSF	REF	R487 - -	65019
TC DL	10.0 PSF	DATE	12/22/06	
BC DL	10.0 PSF	DRW	HCUSR487	06356011
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT. LD.	40.0 PSF	SEQN-	129596	
DUR. FAC.	1.25			
SPACING	24.0"	JRFF-	1T30A87	201

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

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 D1=5.0 psf, wind BC D1=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.

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

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

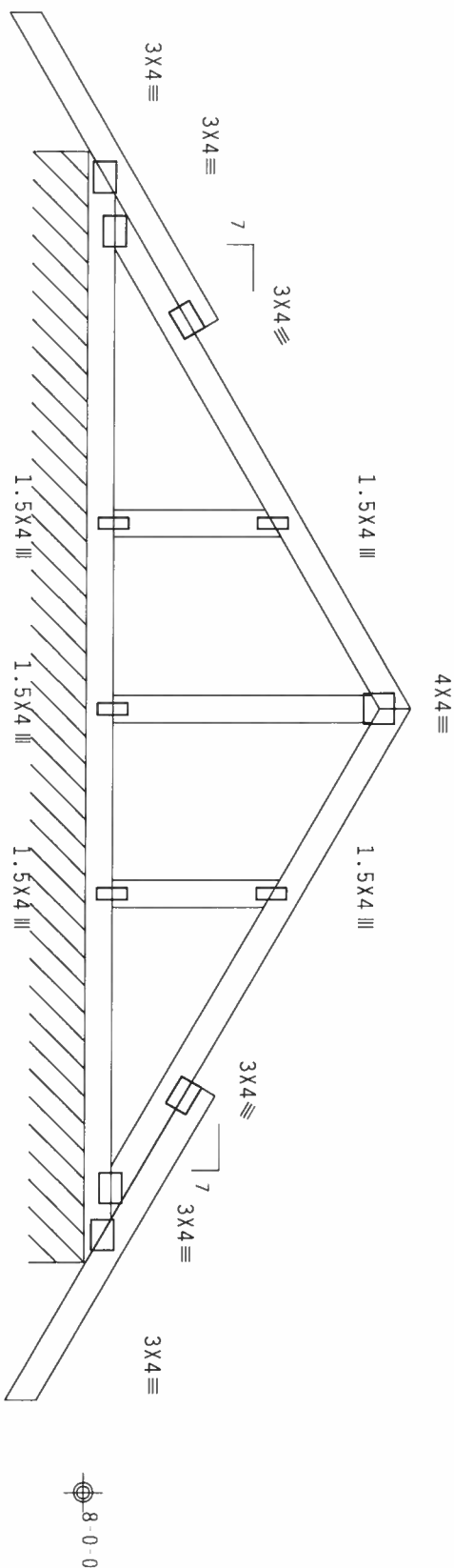


Diagram of a continuous beam with 5 supports and 4 spans. The beam is labeled $R=150 \text{ PLF } W=12-0-0$. The spans are labeled from left to right: 0-5-9, 1-5-14, 4-0-9, 4-0-9, 1-5-14, and 0-5-9. The total length is 12-0-0 Over Continuous Support.

PLT TYP. Wave

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

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

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

Scale = .5"/Ft.

[illegible]


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

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

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. FOLLOWS FOR THE TRUST CONDUIT

ALPINE

Alpine Engineered Products, Inc.
1950 Halsey Drive
Haines City, FL 33844
Telephone # 888-678-2266


 R. FISHER
 PROFESSIONAL ENGINEER
 STATE OF VIRGINIA
 No. 59687
 DEC 12 '06

TC LL	20.0 PSF	REF	R487 - 65020
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCSH487 06356005
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	129568 REV
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	IT30487_201

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 85 PLF at -1.50 to 85 PLF at 12.79
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at -1.50 to 20 PLF at 11.29
BC - From 5 PLF at 11.29 to 5 PLF at 12.79

See DWGS A11015EE0405 & GBLETT1N0405 for more requirements.

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

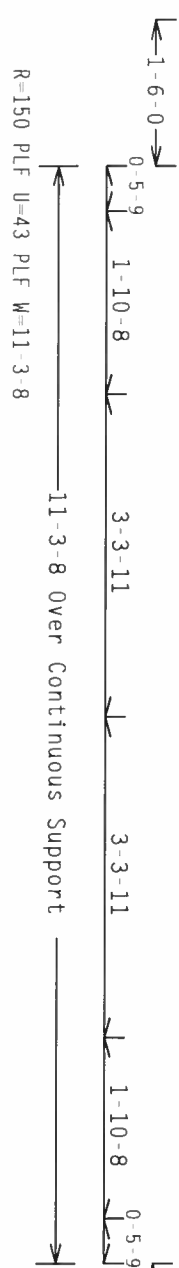
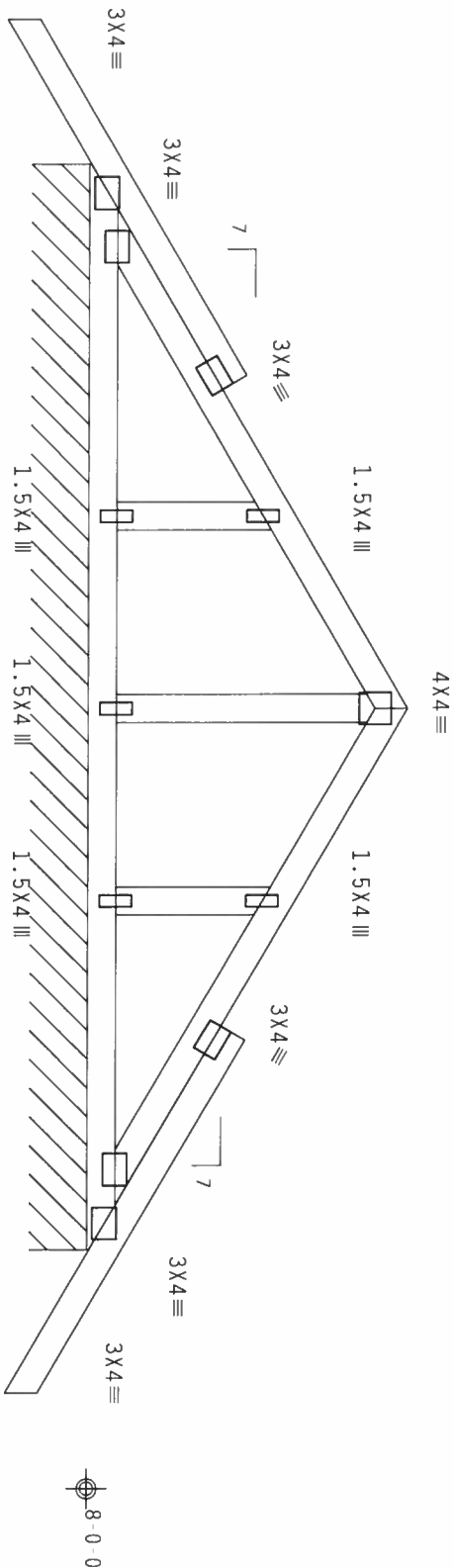
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MMFRS pressures.

Dead loads are stated on projected horizontal area basis.

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.

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)

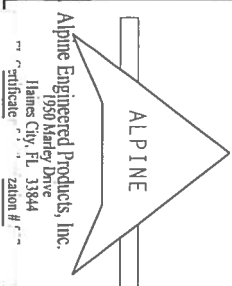
FL/-/4/-/1-/-/R/-

Scale = .5"/ft.

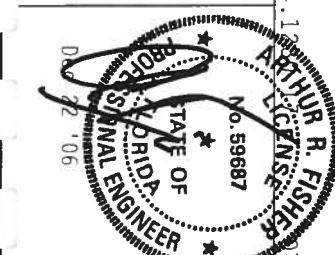
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSEI (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI, CIRCUITS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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 DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HDS (NATIONAL DESIGN SPEC. BY AISC AND TPI).

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HDS (NATIONAL DESIGN SPEC. BY AISC AND TPI). ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS 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. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL RESPONSIBILITY FOR THE DESIGN OF THE TRUSS AND THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



TC LL	20.0 PSF	REF	R487 - - 65021
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCUSR487 06356001
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEQN-	16152 REV
DUR. FAC.	1.25		
SPACING	24.0"	URFF	1T30487_201

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

Wind reactions based on MMFRS pressures.

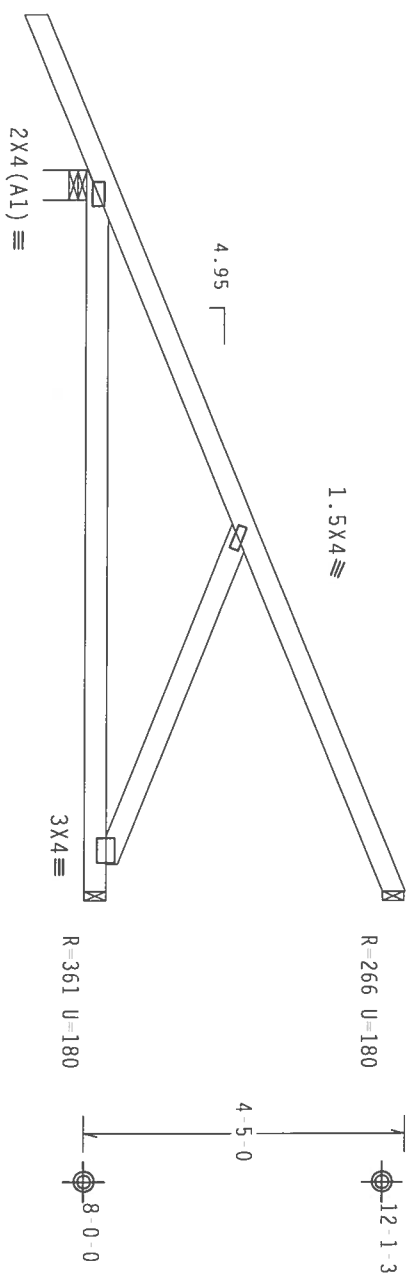
Hipjack supports 7'-0" setback jacks with no webs.

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

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

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

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



← 2'-1'-7" →

9'-10 1/2" Over 3 Supports

R=466 U=180 W=4.95"

PLT TYP. Wave

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

7.24

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

Scale = .375"/ft.

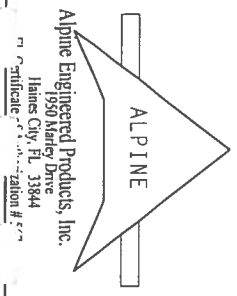
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. AFTER TO BESET (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI, CIRCULARS OF AMERICA, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314. AND WICK (WOOD TRUSS CONCEPTS OF AMERICA, 6300 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.

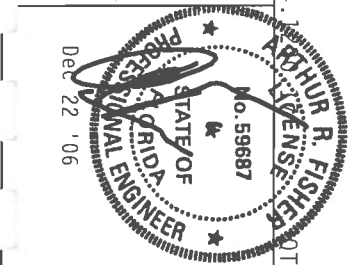
DESIGN CORRECTIONS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC AND TPI. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

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.

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.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate of Registration # 1111



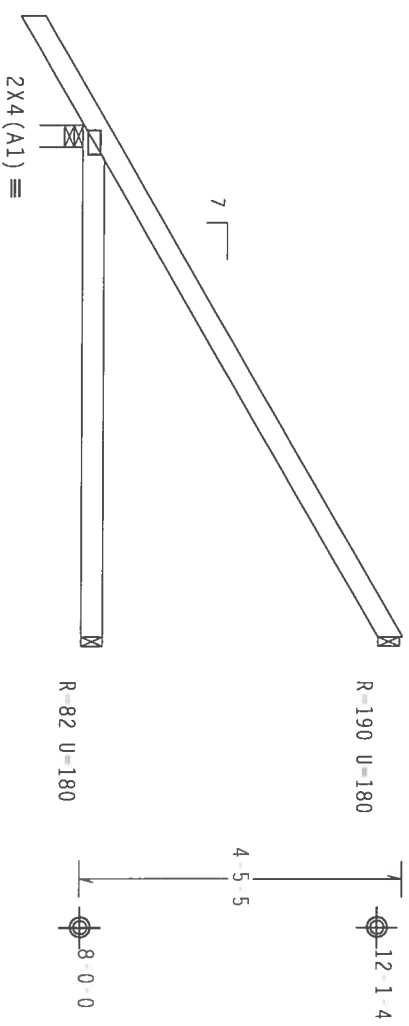
TC LL	20.0 PSF	REF R487-- 65022
TC DL	10.0 PSF	DATE 12/22/06
BC DL	10.0 PSF	DRW HCUSR487 06356006
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 16234
DUR. FAC.	1.25	
SPACING	24.0"	URFF- 1T30487_201

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

Wind reactions based on MMFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



≤ 160

7'-0-0 Over 3 Supports
R-412 U-180 W-3.5"

PLT TYP. Wave

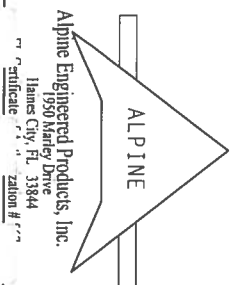
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.12 CITY:21 FL/-/4/-/R/-

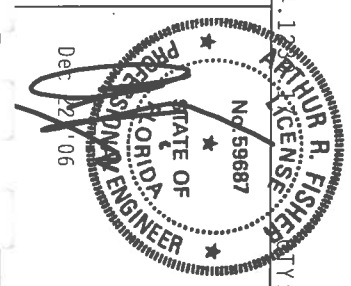
Scale = .375"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND WITH PROUD TRUSS COMPANY, 600 ENTERPRISE LANE, MAISON, MI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 HOS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. ALPINE TRUSS PLATES ARE MADE OF 20/18/16GA (W/H/S/V) ASTM A653 GRADE 40/60 (W, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX AS OF TPI 1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE DESIGN IS THE PROPERTY OF ALPINE ENGINEERED PRODUCTS, INC. THE SELLER OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMS/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate # 22106



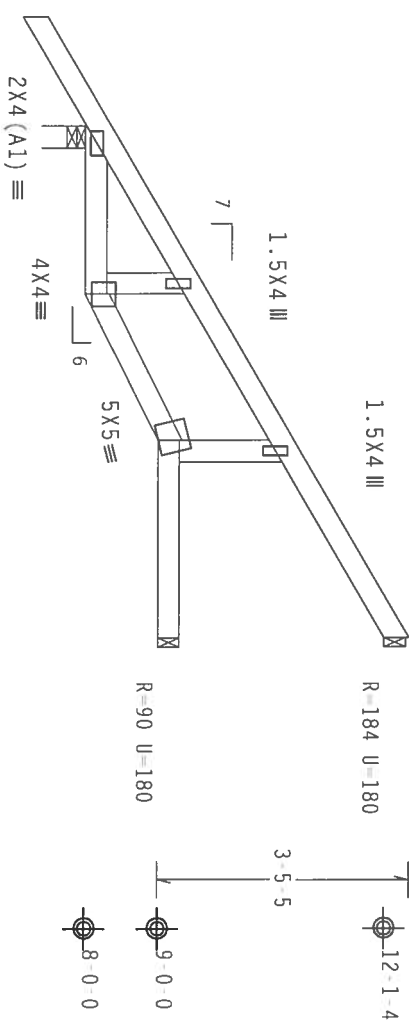
TC LL	20.0 PSF	REF R487-65023
TC DL	10.0 PSF	DATE 12/22/06
BC DL	10.0 PSF	DRW HCUSR487 06356010
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT. LD.	40.0 PSF	SEQN- 16202
DUR. FAC.	1.25	
SPACING	24.0"	JRFF- 1T3D487_Z01

(6-395 - Stanley Crawford Construc WILMOTH **, - EJT7)
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord. Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



≤ 16 0

2-3-8 2-0-0 2-8-8
7-0-0 Over 3 Supports
R=415 U=180 W=3.5"

PLT TYP. Wave

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

7.24.1

FL/-/4/-/R/-

Scale = .375"/Ft.

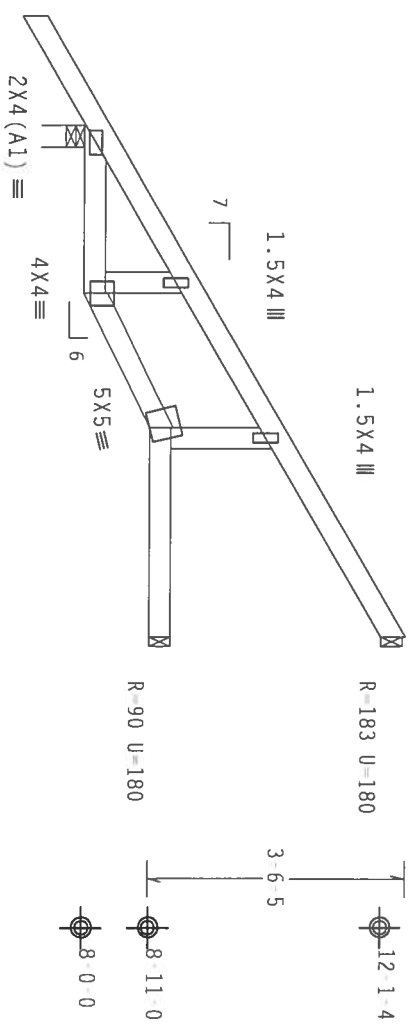
<div>ALPINE</div> <div>Alpine Engineered Products, Inc. 1950 Marney Drive Haines City, FL 33844 Certificate # 122006</div>		<div>WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION): PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 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.</div> <div>**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 AWS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2010/16GA (40/55/5) ASTM A653 GRADE 40/60 (40/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 13.5.1.2. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AWS/TPI 1 SEC. 2.</div>		<div>ARTHUR R. FISHER PROFESSIONAL ENGINEER No. 59687 STATE OF FLORIDA Dec 22 '06</div>		<table><tr><td>TC LL</td><td>20.0 PSF</td><td>REF</td><td>R487 - 65024</td></tr><tr><td>TC DL</td><td>10.0 PSF</td><td>DATE</td><td>12/22/06</td></tr><tr><td>BC DL</td><td>10.0 PSF</td><td>DRW</td><td>HCSR487 06356022</td></tr><tr><td>BC LL</td><td>0.0 PSF</td><td>HC-ENG</td><td>JB/AF</td></tr><tr><td>TOT.LD.</td><td>40.0 PSF</td><td>SEQN-</td><td>129748</td></tr><tr><td>DUR.FAC.</td><td>1.25</td><td></td><td></td></tr><tr><td>SPACING</td><td>24.0"</td><td>JRFF-</td><td>1T3D487_201</td></tr></table>		TC LL	20.0 PSF	REF	R487 - 65024	TC DL	10.0 PSF	DATE	12/22/06	BC DL	10.0 PSF	DRW	HCSR487 06356022	BC LL	0.0 PSF	HC-ENG	JB/AF	TOT.LD.	40.0 PSF	SEQN-	129748	DUR.FAC.	1.25			SPACING	24.0"	JRFF-	1T3D487_201
TC LL	20.0 PSF	REF	R487 - 65024																																
TC DL	10.0 PSF	DATE	12/22/06																																
BC DL	10.0 PSF	DRW	HCSR487 06356022																																
BC LL	0.0 PSF	HC-ENG	JB/AF																																
TOT.LD.	40.0 PSF	SEQN-	129748																																
DUR.FAC.	1.25																																		
SPACING	24.0"	JRFF-	1T3D487_201																																

(6 395 - Stanley Crawford Construc WILMOTH **, EJ711)
 Top chord 2x4 SP #2 Dense
 Bot chord 2x4 SP #2 Dense
 Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
 In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.
 Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
 Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



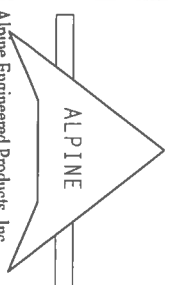
2-3-8 1-10-0 2-10-8
 7-0-0 Over 3 Supports
 R=415 U=180 W 3.5"

PLT TYP. Wave

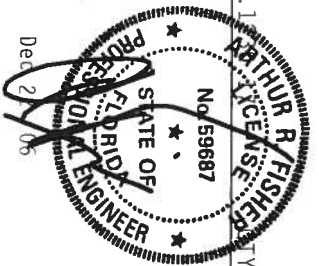
Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/10(0)

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI TRUSSES TO PREVENT FAILURE. DO NOT ENTERPRISE LANE. MAISON, MI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED 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 HUD (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN, POSITIONING PER DRAWINGS 160A Z. ANY DEVIATION FROM THIS DESIGN SHALL BE PERMITTED AS OF 1/11/2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROJECT. RESPONSIBILITY OF THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
 1950 Marley Drive
 Gainesville, FL 32644
 Tel: 352-381-1111 Fax: 352-381-1112



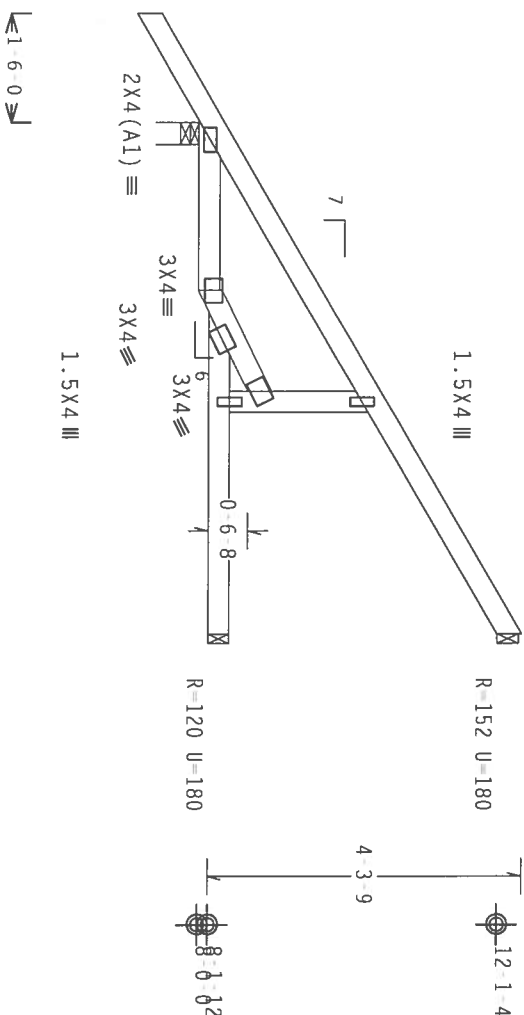
TC LL	20.0 PSF	REF R487-- 65025
TC DL	10.0 PSF	DATE 12/22/06
BC DL	10.0 PSF	DRW HCUR487 06356020
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT. LD.	40.0 PSF	SEQN- 16238
DUR. FAC.	1.25	
SPACING	24.0"	JRFF- 1T304R7_201

Scale = .375"/ft.

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

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.



2-3-8 1-4-9 3-3-15
7-0-0 Over 3 Supports
R=413 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.

QTY: 1

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

Scale = .375"/Ft.

WARNING**
 THESE RIGID EXTERIOR CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING
 REFER TO DESIGN (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE STEEL INSTITUTE, 218
 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND AISC (GOOD PRACTICES COMMITTEE OF AMERICA), 6500
 ENTERPRISE LANE, HANNOVER, NH 03119 FOR SAFETY PRACTICES PRACTICES TO PERFORMING THESE FUNCTIONS. UNLESS
 OTHERWISE INDICATED, THE 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

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

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


ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP11 2002 SEC.3. A SEAL ON THIS

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 DESIGNER.

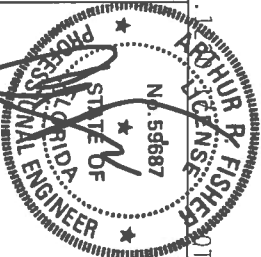
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

100



ALPINE

Alpine Engineered Products, Inc.
 11400 Mainway Drive
 Ft. Lauderdale, FL 33304
 Phone: (305) 551-1100
 Telex: 511000
 Cable: ALPINE



FL/-4/-/R/-		Scale = .375"/ft.
TC LL	20.0 PSF	REF R487 - 65026
TC DL	10.0 PSF	DATE 12/22/06
BC DL	10.0 PSF	DRW HCUR487 06356023
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 16250
DUR.FAC.	1.25	
SPACING	24.0"	JRFF- 1T30487_201

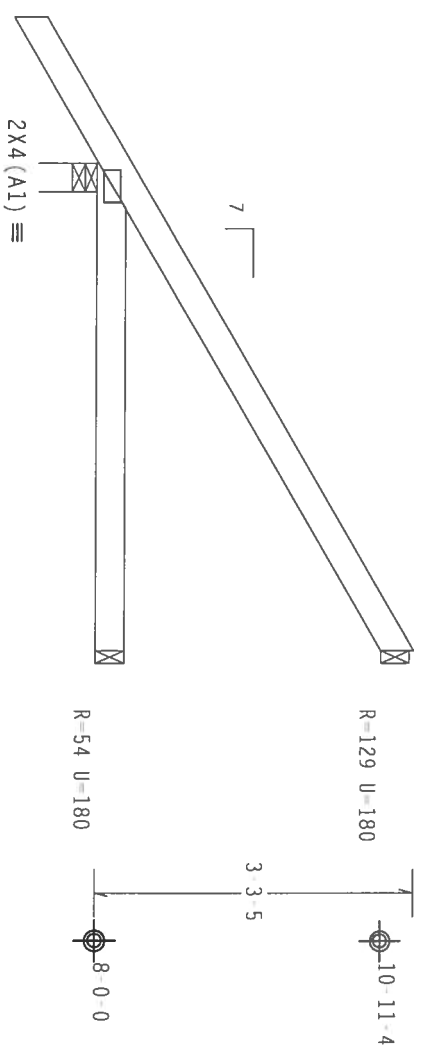
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MMFRS pressures.

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

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



← 1-6-0 →

← 5-0-0 Over 3 Supports →

R=335 U=180 W=3.5"

PLT TYP. Wave

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

7.24.16

Scale = .5"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY, NIST, 1016 GALLATIN DRIVE, GAITHERSBURG, MD 20878-1202, FOR THE LATEST EDITIONS OF THE TRUSS DESIGN HANDBOOK. THE TRUSS DESIGN HANDBOOK IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

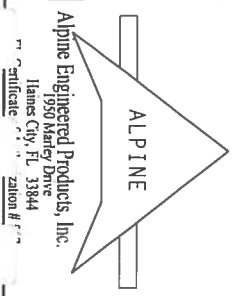
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY NDS) AND TPI. ALPINE

CONNECTION PLATES ARE MADE OF 2010/160A (W/ALUMINUM) ASH 6053 GRADE 40/60 (W/ALUMINUM) GALV. STEEL. APPLY

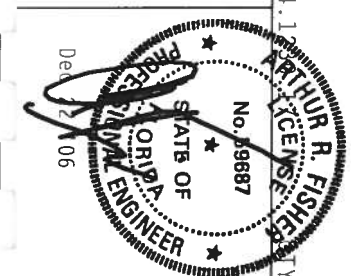
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z.

INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEAL AS OF TPI 1 2002 SEC.3. A SEAL ON THIS

DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE



Alpine Engineered Products, Inc.
1950 Marley Drive
James City, FL 33844
Certified Professional Engineer
License # 12106



TC LL	20.0 PSF	REF	R487 - 65027
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCSR487 06356007
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEQN	16206
DUR. FAC.	1.25		
SPACING	24.0"		

REF	DATE
R487 - 65027	12/22/06
HCSR487 06356007	
HC-ENG JB/AF	
SEQN 16206	

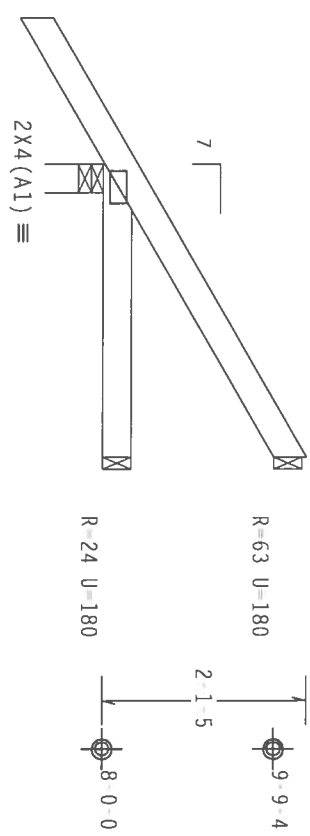
REF	DATE
R487 - 65027	12/22/06
HCSR487 06356007	
HC-ENG JB/AF	
SEQN 16206	

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

Wind reactions based on MMFRS pressures.

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

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



←1-6-0→

3'-0.0 Over 3 Supports
R-265 U=180 W=3.5"

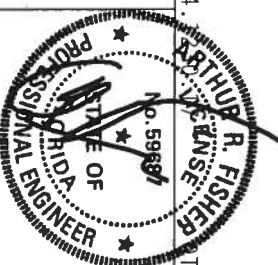
PLT TYP. Wave

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. RIGIDITY OF THE TRUSS IS CRITICAL TO THE PERFORMANCE OF THE TRUSS. THE TRUSS IS DESIGNED TO BE USED IN CONJUNCTION WITH THE TRUSS BRACING SYSTEM. THE TRUSS IS NOT TO BE USED IN ANY OTHER MANNER WITHOUT THE WRITTEN CONSENT OF THE TRUSS MANUFACTURER. THE TRUSS IS NOT TO BE USED IN ANY OTHER MANNER WITHOUT THE WRITTEN CONSENT OF THE TRUSS MANUFACTURER. THE TRUSS IS NOT TO BE USED IN ANY OTHER MANNER WITHOUT THE WRITTEN CONSENT OF THE TRUSS MANUFACTURER.

ALPINE

Alpine Engineered Products, Inc.
James City, FL 33844
3500 Highway Drive
Zalton # 11



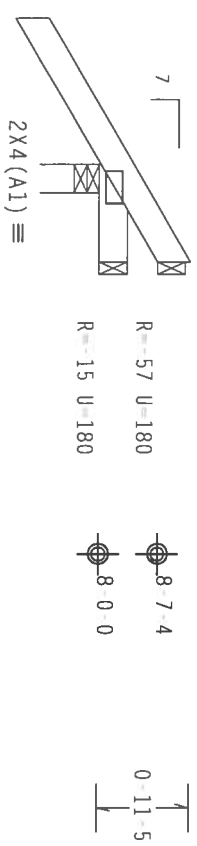
Dec 22 '06

TC LL	20.0 PSF	REF	R487--	65028
TC DL	10.0 PSF	DATE	12/22/06	
BC DL	10.0 PSF	DRW	HCUSR487	06356008
BC LL	0.0 PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0 PSF	SEQN-	16211	
DUR.FAC.	1.25			
SPACING	24.0"			
IRFF	1730487	201		

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

Wind reactions based on MWFRS pressures.

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

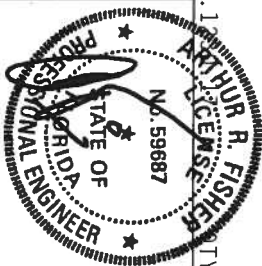


1-6-0 over 3 supports
R=57 U=180
R=15 U=180
R=257 U=180 W=3.5"

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, 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 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 A BRACING OF TRUSSES, DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AISC (A108), AISC 360, AISC 360M, AISC 360S, AISC 360T, AISC 360U, AISC 360V, AISC 360W, AISC 360X, AISC 360Y, AISC 360Z, AISC 360AA, AISC 360AB, AISC 360AC, AISC 360AD, AISC 360AE, AISC 360AF, AISC 360AG, AISC 360AH, AISC 360AI, AISC 360AJ, AISC 360AK, AISC 360AL, AISC 360AM, AISC 360AN, AISC 360AO, AISC 360AP, AISC 360AQ, AISC 360AR, AISC 360AS, AISC 360AT, AISC 360AU, AISC 360AV, AISC 360AW, AISC 360AX, AISC 360AY, AISC 360AZ, AISC 360BA, AISC 360BB, AISC 360BC, AISC 360BD, AISC 360BE, AISC 360BF, AISC 360BG, AISC 360BH, AISC 360BI, AISC 360BJ, AISC 360BK, AISC 360BL, AISC 360BM, AISC 360BN, AISC 360BO, AISC 360BP, AISC 360BQ, AISC 360BR, AISC 360BS, AISC 360BT, AISC 360BU, AISC 360BV, AISC 360BW, AISC 360BX, AISC 360BY, AISC 360BZ, AISC 360CA, AISC 360CB, AISC 360CC, AISC 360CD, AISC 360CE, AISC 360CF, AISC 360CG, AISC 360CH, AISC 360CI, AISC 360CJ, AISC 360CK, AISC 360CL, AISC 360CM, AISC 360CN, AISC 360CO, AISC 360CP, AISC 360CQ, AISC 360CR, AISC 360CS, AISC 360CT, AISC 360CU, AISC 360CV, AISC 360CW, AISC 360CX, AISC 360CY, AISC 360CZ, AISC 360DA, AISC 360DB, AISC 360DC, AISC 360DD, AISC 360DE, AISC 360DF, AISC 360DG, AISC 360DH, AISC 360DI, AISC 360DJ, AISC 360DK, AISC 360DL, AISC 360DM, AISC 360DN, AISC 360DO, AISC 360DP, AISC 360DQ, AISC 360DR, AISC 360DS, AISC 360DT, AISC 360DU, AISC 360DV, AISC 360DW, AISC 360DX, AISC 360DY, AISC 360DZ, AISC 360EA, AISC 360EB, AISC 360EC, AISC 360ED, AISC 360EE, AISC 360EF, AISC 360EG, AISC 360EH, AISC 360EI, AISC 360EJ, AISC 360EK, AISC 360EL, AISC 360EM, AISC 360EN, AISC 360EO, AISC 360EP, AISC 360EQ, AISC 360ER, AISC 360ES, AISC 360ET, AISC 360EU, AISC 360EV, AISC 360EW, AISC 360EX, AISC 360EY, AISC 360EZ, AISC 360FA, AISC 360FB, AISC 360FC, AISC 360FD, AISC 360FE, AISC 360FF, AISC 360FG, AISC 360FH, AISC 360FI, AISC 360FJ, AISC 360FK, AISC 360FL, AISC 360FM, AISC 360FN, AISC 360FO, AISC 360FP, AISC 360FQ, AISC 360FR, AISC 360FS, AISC 360FT, AISC 360FU, AISC 360FV, AISC 360FW, AISC 360FX, AISC 360FY, AISC 360FZ, AISC 360GA, AISC 360GB, AISC 360GC, AISC 360GD, AISC 360GE, AISC 360GF, AISC 360GG, AISC 360GH, AISC 360GI, AISC 360GJ, AISC 360GK, AISC 360GL, AISC 360GM, AISC 360GN, AISC 360GO, AISC 360GP, AISC 360GQ, AISC 360GR, AISC 360GS, AISC 360GT, AISC 360GU, AISC 360GV, AISC 360GW, AISC 360GX, AISC 360GY, AISC 360GZ, AISC 360HA, AISC 360HB, AISC 360HC, AISC 360HD, AISC 360HE, AISC 360HF, AISC 360HG, AISC 360HH, AISC 360HI, AISC 360HJ, AISC 360HK, AISC 360HL, AISC 360HM, AISC 360HN, AISC 360HO, AISC 360HP, AISC 360HQ, AISC 360HR, AISC 360HS, AISC 360HT, AISC 360HU, AISC 360HV, AISC 360HW, AISC 360HX, AISC 360HY, AISC 360HZ, AISC 360IA, AISC 360IB, AISC 360IC, AISC 360ID, AISC 360IE, AISC 360IF, AISC 360IG, AISC 360IH, AISC 360II, AISC 360IJ, AISC 360IK, AISC 360IL, AISC 360IM, AISC 360IN, AISC 360IO, AISC 360IP, AISC 360IQ, AISC 360IR, AISC 360IS, AISC 360IT, AISC 360IU, AISC 360IV, AISC 360IW, AISC 360IX, AISC 360IY, AISC 360IZ, AISC 360JA, AISC 360JB, AISC 360JC, AISC 360JD, AISC 360JE, AISC 360JF, AISC 360JG, AISC 360JH, AISC 360JI, AISC 360JJ, AISC 360JK, AISC 360JL, AISC 360JM, AISC 360JN, AISC 360JO, AISC 360JP, AISC 360JQ, AISC 360JR, AISC 360JS, AISC 360JT, AISC 360JU, AISC 360JV, AISC 360JW, AISC 360JX, AISC 360JY, AISC 360JZ, AISC 360KA, AISC 360KB, AISC 360KC, AISC 360KD, AISC 360KE, AISC 360KF, AISC 360KG, AISC 360KH, AISC 360KI, AISC 360KJ, AISC 360KL, AISC 360KM, AISC 360KN, AISC 360KO, AISC 360KP, AISC 360KQ, AISC 360KR, AISC 360KS, AISC 360KT, AISC 360KU, AISC 360KV, AISC 360KW, AISC 360KX, AISC 360KY, AISC 360KZ, AISC 360LA, AISC 360LB, AISC 360LC, AISC 360LD, AISC 360LE, AISC 360LF, AISC 360LG, AISC 360LH, AISC 360LI, AISC 360LJ, AISC 360LK, AISC 360LL, AISC 360LM, AISC 360LN, AISC 360LO, AISC 360LP, AISC 360LQ, AISC 360LR, AISC 360LS, AISC 360LT, AISC 360LU, AISC 360LV, AISC 360LW, AISC 360LX, AISC 360LY, AISC 360LZ, AISC 360MA, AISC 360MB, AISC 360MC, AISC 360MD, AISC 360ME, AISC 360MF, AISC 360MG, AISC 360MH, AISC 360MI, AISC 360MJ, AISC 360MK, AISC 360ML, AISC 360MM, AISC 360MN, AISC 360MO, AISC 360MP, AISC 360MQ, AISC 360MR, AISC 360MS, AISC 360MT, AISC 360MU, AISC 360MV, AISC 360MW, AISC 360MX, AISC 360MY, AISC 360MZ, AISC 360NA, AISC 360NB, AISC 360NC, AISC 360ND, AISC 360NE, AISC 360NF, AISC 360NG, AISC 360NH, AISC 360NI, AISC 360NJ, AISC 360NK, AISC 360NL, AISC 360NM, AISC 360NN, AISC 360NO, AISC 360NP, AISC 360NQ, AISC 360NR, AISC 360NS, AISC 360NT, AISC 360NU, AISC 360NV, AISC 360NW, AISC 360NX, AISC 360NY, AISC 360NZ, AISC 360OA, AISC 360OB, AISC 360OC, AISC 360OD, AISC 360OE, AISC 360OF, AISC 360OG, AISC 360OH, AISC 360OI, AISC 360OJ, AISC 360OK, AISC 360OL, AISC 360OM, AISC 360ON, AISC 360OO, AISC 360OP, AISC 360OQ, AISC 360OR, AISC 360OS, AISC 360OT, AISC 360OU, AISC 360OV, AISC 360OW, AISC 360OX, AISC 360OY, AISC 360OZ, AISC 360PA, AISC 360PB, AISC 360PC, AISC 360PD, AISC 360PE, AISC 360PF, AISC 360PG, AISC 360PH, AISC 360PI, AISC 360PJ, AISC 360PK, AISC 360PL, AISC 360PM, AISC 360PN, AISC 360PO, AISC 360PP, AISC 360PQ, AISC 360PR, AISC 360PS, AISC 360PT, AISC 360PU, AISC 360PV, AISC 360PW, AISC 360PX, AISC 360PY, AISC 360PZ, AISC 360QA, AISC 360QB, AISC 360QC, AISC 360QD, AISC 360QE, AISC 360QF, AISC 360QG, AISC 360QH, AISC 360QI, AISC 360QJ, AISC 360QK, AISC 360QL, AISC 360QM, AISC 360QN, AISC 360QO, AISC 360QP, AISC 360QQ, AISC 360QR, AISC 360QS, AISC 360QT, AISC 360QU, AISC 360QV, AISC 360QW, AISC 360QX, AISC 360QY, AISC 360QZ, AISC 360RA, AISC 360RB, AISC 360RC, AISC 360RD, AISC 360RE, AISC 360RF, AISC 360RG, AISC 360RH, AISC 360RI, AISC 360RJ, AISC 360RK, AISC 360RL, AISC 360RM, AISC 360RN, AISC 360RO, AISC 360RP, AISC 360RQ, AISC 360RR, AISC 360RS, AISC 360RT, AISC 360RU, AISC 360RV, AISC 360RW, AISC 360RX, AISC 360RY, AISC 360RZ, AISC 360SA, AISC 360SB, AISC 360SC, AISC 360SD, AISC 360SE, AISC 360SF, AISC 360SG, AISC 360SH, AISC 360SI, AISC 360SJ, AISC 360SK, AISC 360SL, AISC 360SM, AISC 360SN, AISC 360SO, AISC 360SP, AISC 360SQ, AISC 360SR, AISC 360SS, AISC 360ST, AISC 360SU, AISC 360SV, AISC 360SW, AISC 360SX, AISC 360SY, AISC 360SZ, AISC 360TA, AISC 360TB, AISC 360TC, AISC 360TD, AISC 360TE, AISC 360TF, AISC 360TG, AISC 360TH, AISC 360TI, AISC 360TJ, AISC 360TK, AISC 360TL, AISC 360TM, AISC 360TN, AISC 360TO, AISC 360TP, AISC 360TQ, AISC 360TR, AISC 360TS, AISC 360TT, AISC 360TU, AISC 360TV, AISC 360TW, AISC 360TX, AISC 360TY, AISC 360TZ, AISC 360UA, AISC 360UB, AISC 360UC, AISC 360UD, AISC 360UE, AISC 360UF, AISC 360UG, AISC 360UH, AISC 360UI, AISC 360UJ, AISC 360UK, AISC 360UL, AISC 360UM, AISC 360UN, AISC 360UO, AISC 360UP, AISC 360UQ, AISC 360UR, AISC 360US, AISC 360UT, AISC 360UU, AISC 360UV, AISC 360UW, AISC 360UX, AISC 360UY, AISC 360UZ, AISC 360VA, AISC 360VB, AISC 360VC, AISC 360VD, AISC 360VE, AISC 360VF, AISC 360VG, AISC 360VH, AISC 360VI, AISC 360VJ, AISC 360VK, AISC 360VL, AISC 360VM, AISC 360VN, AISC 360VO, AISC 360VP, AISC 360VQ, AISC 360VR, AISC 360VS, AISC 360VT, AISC 360VU, AISC 360VV, AISC 360VW, AISC 360VX, AISC 360VY, AISC 360VZ, AISC 360WA, AISC 360WB, AISC 360WC, AISC 360WD, AISC 360WE, AISC 360WF, AISC 360WG, AISC 360WH, AISC 360WI, AISC 360WJ, AISC 360WK, AISC 360WL, AISC 360WM, AISC 360WN, AISC 360WO, AISC 360WP, AISC 360WQ, AISC 360WR, AISC 360WS, AISC 360WT, AISC 360WU, AISC 360WV, AISC 360WW, AISC 360WX, AISC 360WY, AISC 360WZ, AISC 360XA, AISC 360XB, AISC 360XC, AISC 360XD, AISC 360XE, AISC 360XF, AISC 360XG, AISC 360XH, AISC 360XI, AISC 360XJ, AISC 360XK, AISC 360XL, AISC 360XM, AISC 360XN, AISC 360XO, AISC 360XP, AISC 360XQ, AISC 360XR, AISC 360XS, AISC 360XT, AISC 360XU, AISC 360XV, AISC 360XW, AISC 360XX, AISC 360XY, AISC 360XZ, AISC 360YA, AISC 360YB, AISC 360YC, AISC 360YD, AISC 360YE, AISC 360YF, AISC 360YG, AISC 360YH, AISC 360YI, AISC 360YJ, AISC 360YK, AISC 360YL, AISC 360YM, AISC 360YN, AISC 360YO, AISC 360YP, AISC 360YQ, AISC 360YR, AISC 360YS, AISC 360YT, AISC 360YU, AISC 360YV, AISC 360YW, AISC 360YX, AISC 360YY, AISC 360YZ, AISC 360ZA, AISC 360ZB, AISC 360ZC, AISC 360ZD, AISC 360ZE, AISC 360ZF, AISC 360ZG, AISC 360ZH, AISC 360ZI, AISC 360ZJ, AISC 360ZK, AISC 360ZL, AISC 360ZM, AISC 360ZN, AISC 360ZO, AISC 360ZP, AISC 360ZQ, AISC 360ZR, AISC 360ZS, AISC 360ZT, AISC 360ZU, AISC 360ZV, AISC 360ZW, AISC 360ZX, AISC 360ZY, AISC 360ZZ



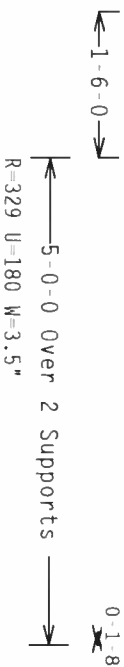
ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate # 123456789

TC LL	20.0 PSF	REF R487 - 65029
TC DL	10.0 PSF	DATE 12/22/06
BC DL	10.0 PSF	DRW HCUSP487 06356009
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 16214
DUR.FAC.	1.25	
SPACING	24.0"	IRFF- 1T30487_201

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

Right end vertical not exposed to wind pressure.

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



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

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

7.24.12

FL/4/1/R/

Scale = .5" / Ft.

NO. 59687

PLANE ENGINEERED



✓

6
 6
 6
 1
 1
 6
 6

DUR.FAC.	1.25	
SPACING	24.0"	JRFF-1T30487_201

7-201

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

Wind reactions based on MMFRS pressures.

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

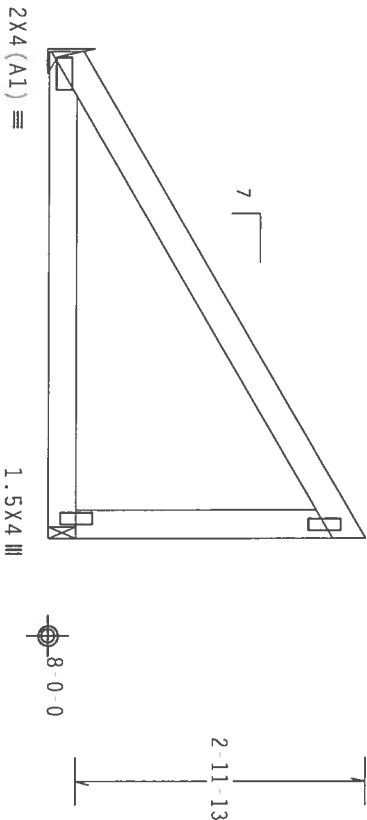
++ ANCHORAGE REQ'D TO PREVENT TRUSS FROM SLIPPING OFF BEARING.

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

Right end vertical not exposed to wind pressure.

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

1.5X4 III



0-1-8

5'-0" 0 Over 2 Supports
R=207 U=180

PLT TYP. Wave

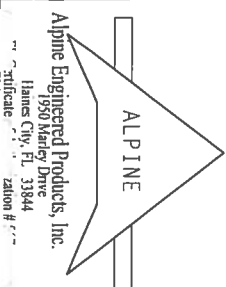
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.10

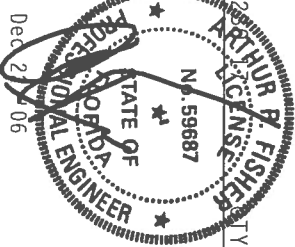
Scale =.5"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WPCA (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 NIPRA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2010/1664 (40/55/5) ASTM A653 GRADE 40/60 (4, K/H/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DIMENSIONS 160A Z. PLATES TO BE PLACED FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 13TH EDITION, 2005. 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.
James City, FL 33844
Attention #



TC LL	20.0 PSF	REF R487-- 65031
TC DL	10.0 PSF	DATE 12/22/06
BC DL	10.0 PSF	DRW HCUR487 06356035
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEQN- 129500
DUR. FAC.	1.25	
SPACING	24.0"	JRFF- 1T30487_201

(6-395--Stanley Crawford Construc WILMOTH --, ** - M2)

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

Wind reactions based on MWFRS pressures.

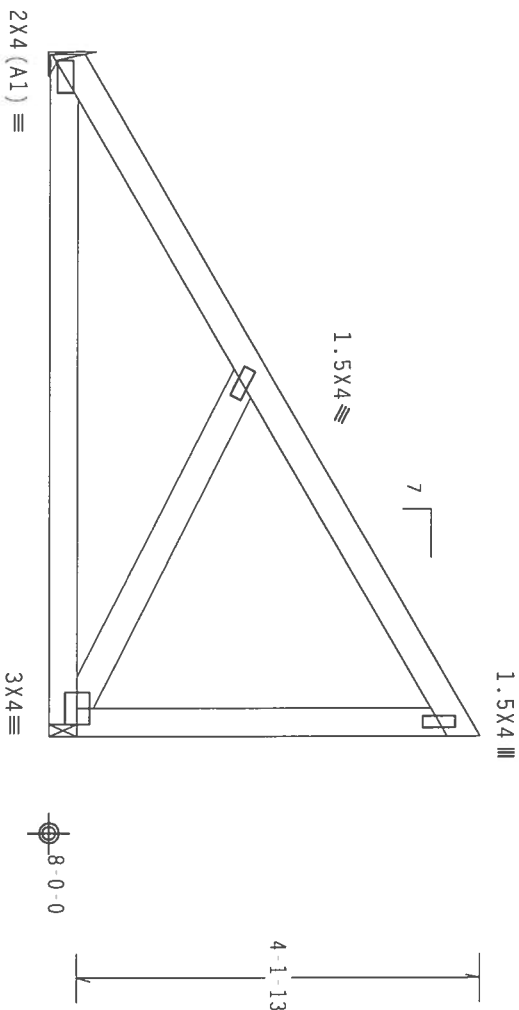
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

++ ANCHORAGE REQ'D TO PREVENT TRUSS FROM SLIPPING OFF BEARING.

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

Right end vertical not exposed to wind pressure.

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



0-1-8

R=296 U=180++

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

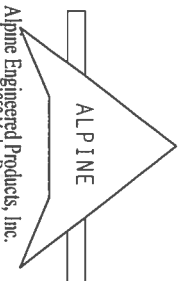
QTY: 3 FL/-/4/-/R/-

Scale = .5"/ft.

WARNING TRUSSES ARE NOT TO BE USED IN FABRICATION, 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.

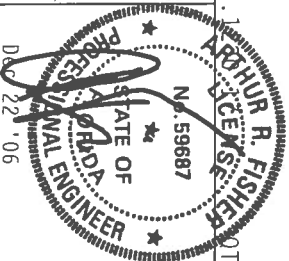
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AREA) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160B-2, 160C-2, 160D-2, 160E-2, 160F-2, 160G-2, 160H-2, 160I-2, 160J-2, 160K-2, 160L-2, 160M-2, 160N-2, 160O-2, 160P-2, 160Q-2, 160R-2, 160S-2, 160T-2, 160U-2, 160V-2, 160W-2, 160X-2, 160Y-2, 160Z-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL RESPONSIBILITY SOLELY FOR THE TRUSS CONFORMS TO 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.
1990 Marley Drive
Haines City, FL 33844

Professional Engineer
Registration # 647

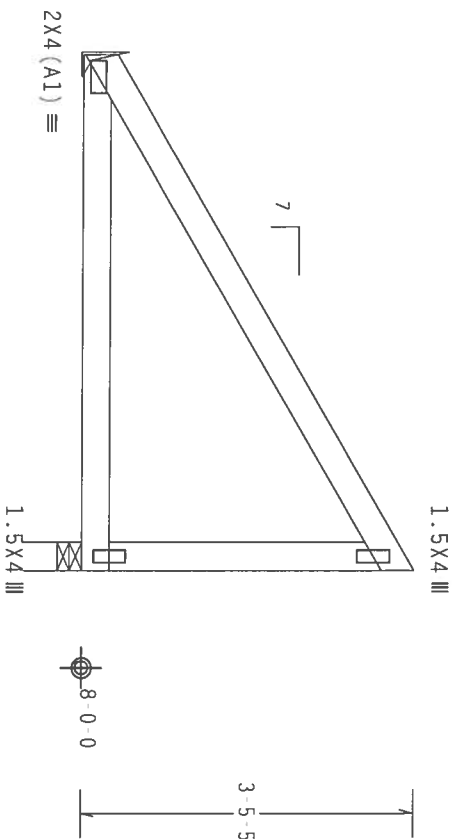


TC LL	20.0 PSF	REF	R487 - - 65032
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCUSR487 06356034
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON-	129506
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T30487_201

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

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 B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.

PROPERTY:

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

Scale = .5"/Ft.

WARNING: TESTS REVEAL EXISTING CRACK IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO MCS1 (GROUDED COMPONENT SAFETY INFORMATION), PUBLISHED BY API, STEEL PRESS INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND WEA (WELDING) BRASS COMMITTEE OF AMERICA, 6300 ENTERPRISE LANE, HANISWAT, UT 53109 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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC., BY AIAA) AND FPI.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP11-2002 SEC.3. A SEAL ON THIS

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

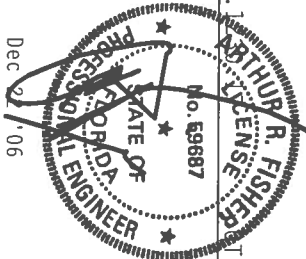
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.

1720 Bailey Drive
Haines City, FL 33844

Certificate # _____



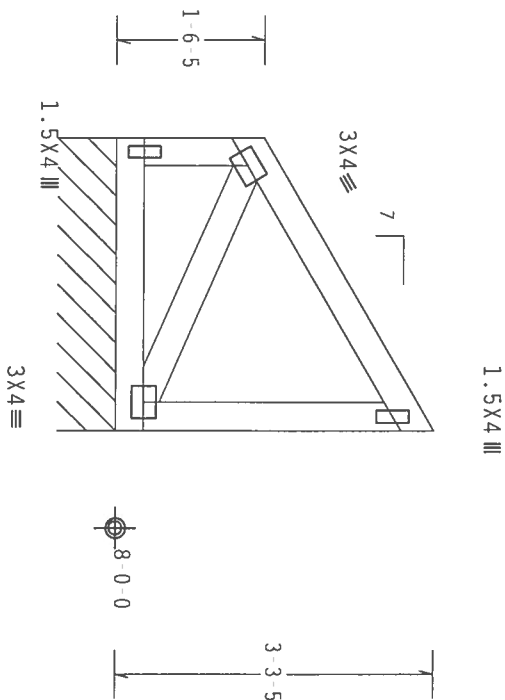
TC LL	20.0 PSF	REF	R487 - 65033
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCUSR487_0635602
BC LL	0.0 PSF	HC-ENG JB/AF	*
TOT.LD.	40.0 PSF	SEQN-	129551
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T3D487_201

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

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.

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



3-0-0 Over Continuous Support

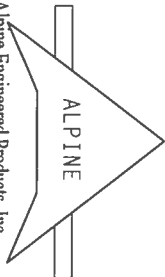
R=83 PLF U=60 PLF W=3-0-0

PLT TYP. Wave

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

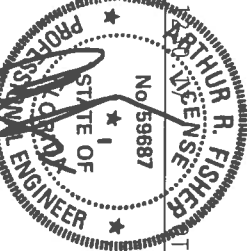
WARNING: THESE RECURRING FIREHOLE, HANDLING, SHIPPING, INSTALLING AND BRACKETING (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE FIRE SAFETY INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND VICA (WOOD ROSS COUNCIL OF AMERICA, 6500 MIDWAY ENTERPRISE LANE, HANOVER, VA 22919) 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.

1. **IMPORTANT:** I FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. APPLICABLE ENGINEERED PRODUCTS, JOINTS, SMALL, AND BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. IF FAILURE TO BUILD THE DESIGN CORRECTLY WILL HAVE AFFECTING PRODUCTIONS OF JOBS (AND/OR) DAMAGE TO THE APPLICABLE DESIGN COMPONENTS WITH APPLICABLE PRODUCTIONS OF JOBS (AND/OR) DAMAGE TO THE APPLICABLE CONNECTOR PLATES ARE MADE OF 20/20/16 GA (H/55/2) ASTM A563 GRADE 40/60 (C/ 61/ 55) GALV. STEEL. APPLICABLE PLATING TO EACH FACE OF THUS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1606-2-1 PLATING THICKNESS TO BE ACCORDING TO THE FOLLOWING: 1. THE SEAL OR THIS DESIGN SHALL BE THE BUILDING DESIGNER PER AMS/PT 1 SEC. 2. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMS/PT 1 SEC. 2.



Alpine Engineered Products, Inc.
10501 McLeod Drive

Haines City, FL 33844
 FI Certificate of Authorization # 667



ITY: 1

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

Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R487 - 65034
TC DL	10.0 PSF	DATE	12/22/06
BC DL	10.0 PSF	DRW	HCUSR487 06356019
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	129672
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T30487_201

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

Wind reactions based on MMFRS pressures.

Truss spaced at 24.0" OC designed to support 1.4-0 top chord
outlookers. Cladding load shall not exceed 10.00 PSF. Top chord
must not be cut or notched.

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

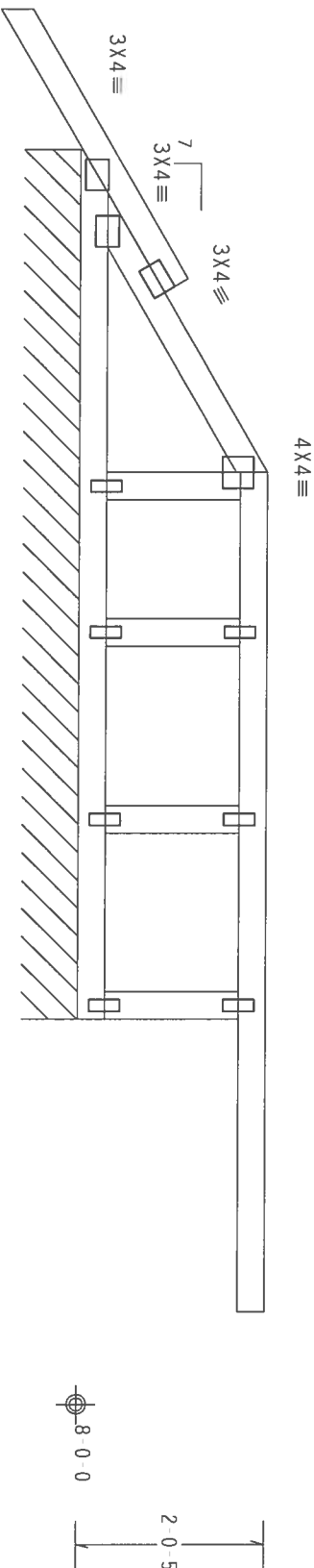
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located
anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC
DL-5.0 psf.

Right end vertical not exposed to wind pressure.

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

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

Top chord overhangs have been checked only for loads as
indicates. Overhangs not checked for man loads or long-term
deflection.



R=159 PLF W-9-3-8

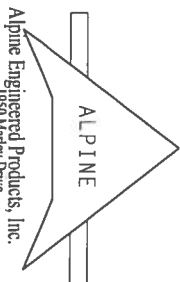
Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

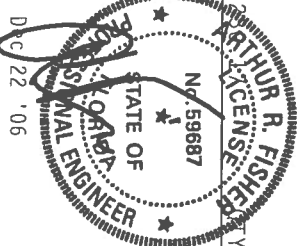
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
REITER TO BEST BUILDING COMPONENT SAFETY INSTRUCTIONS. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND WICA WOOD TRUSS COMPANY, 6200
ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.
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/PAI) AND TPI. ALPINE
CONNECTION PLATES ARE MADE OF 20/18/16GA (W/155/K) ASTM A653 GRADE 40/60 (W/155) GALV. STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z.
PACKETS ORDERED OR (1) SHALL BE PER AMEX AS OF TPI 2002 SEC.3. A SEAL ON THIS
DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
DESIGNER. BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Moley Drive
Haines City, FL 33844
Toll-free 1-800-233-2222
Fax 888-233-2222



TC LL	20.0 PSF	REF	R487--	65035
TC DL	10.0 PSF	DATE	12/22/06	
BC DL	10.0 PSF	DRW	HCUSR487	06356024
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SECON	129737	REV
DUR.FAC.	1.25			
SPACING	24.0"			

Scale = .5"/ft.

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

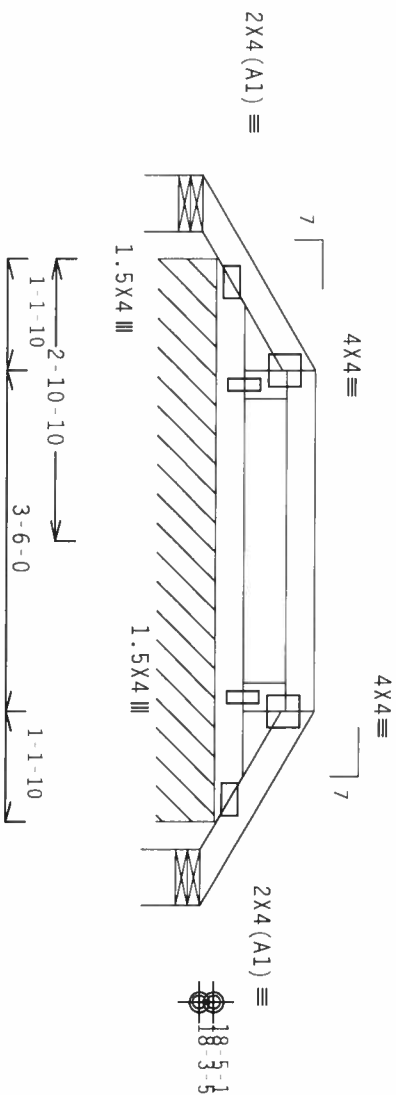
Wind reactions based on MMFRS pressures.

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

Refer to DWG. PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 18.86 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=23 U=180 W=6.946"
R=73 PLF U=31 PLF W=5.9-4
R=23 U=180 W=6.946"

PLT TYP. Wave

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

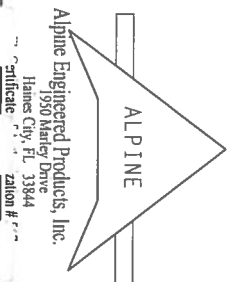
7.24.1

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

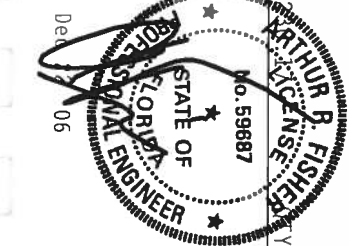
Scale = .5" / ft.

WARNING TRUSSES REQUIRE EXTERIOR GRADE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314), AND MICA (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&PA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W/55%) ASH 4063 GRADE 40/60 (K/55) GALV. STEEL. APPLY THE FOLLOWING TO EACH FACE OF TRUSS AND UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 100A 2. AND 100B 2. ALL DIMENSIONS ARE IN INCHES. THE DESIGNER IS RESPONSIBLE FOR THE TRUSS COMPONENTS. DRAWING INDICATES ACCEPTANCE OF PRODUCTION. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Phone # 888-233-2333
Fax # 888-233-2333
Website # www.alpineeng.com



TC LL	20.0 PSF	REF R487-- 65036
TC DL	10.0 PSF	DATE 12/22/06
BC DL	2.0 PSF	DRW HCUSR487 06356014
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	32.0 PSF	SEQN- 129612
DUR.FAC.	1.25	
SPACING	24.0"	JPFF IT30A07 201

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

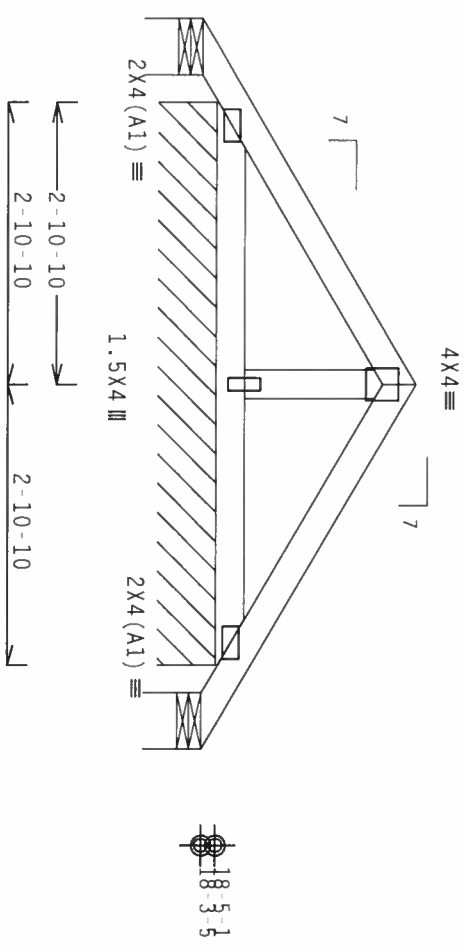
Wind reactions based on MMFRS pressures.

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

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 19.37 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=-6 U=180 W=6.946"

R=83 PLF U=31 PLF W=5-9-4

R=-6 U=180 W=6.946"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.1

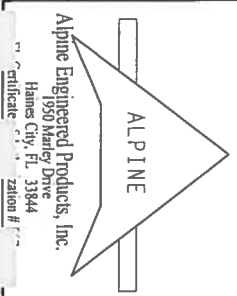
FL/-/4/-/R/-

Scale =.5"/ft.

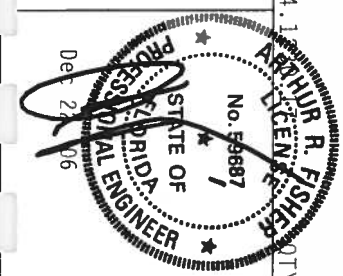
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, (TRUSS PLATE INSTITUTE, 310 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304), AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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&PA) AND TPI. ALPINE CONNECTIONS ARE MADE OF 20/10/16GA (4.4/5.5/K) ASH 6053 GRADE 40/60 (K, K/4.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2.

AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 13th Edition, 2005, SECTION 10, PART 10.2, A SCAL FOR THIS TRUSS INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AWS/TPI 1 SEC. 2.



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



TC LL	20.0 PSF	REF R487-- 65037
TC DL	10.0 PSF	DATE 12/22/06
BC DL	2.0 PSF	DRW HCUSR487 06356029
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	32.0 PSF	SEON- 129601
DUR.FAC.	1.25	
SPACING	24.0"	

JRFF- 1730287_201

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

Wind reactions based on MMFRS pressures.

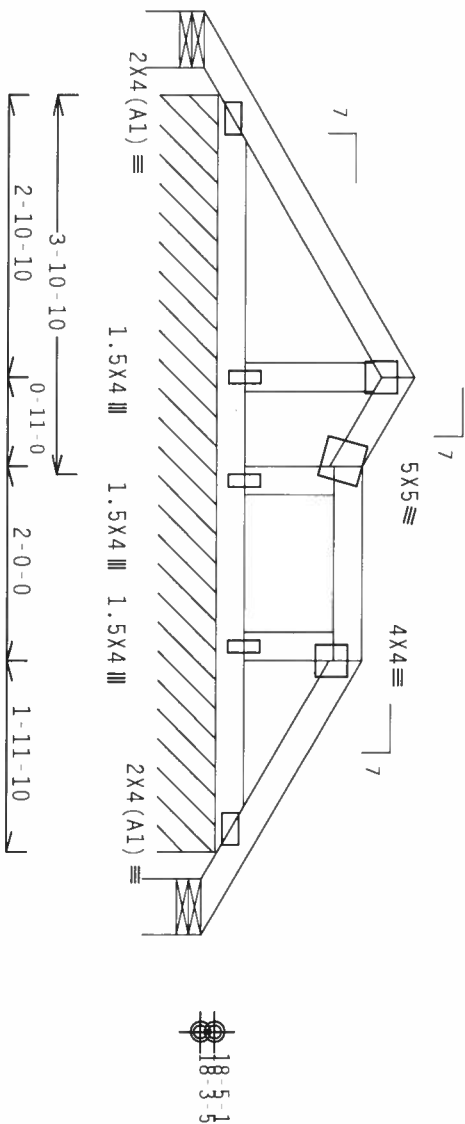
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 19.37 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.

4X4 ≡



18'-3'-5"

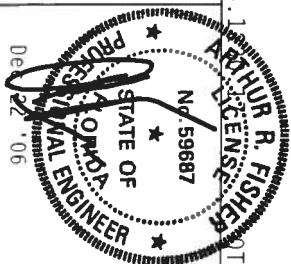
PLT TYP. Wave

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. AFTER TO BESET. BUILDING COMPONENT SAFETY INFORMATION. UNFINISHED TRUSSES SHALL BE KEPT UPRIGHT AND PROTECTED FROM DAMAGE. HORN LEE STREET, SUITE 312, ALEXANDRIA, VA 22314. AND WICA HORN LEE STREET, SUITE 312, ALEXANDRIA, VA 22314. 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.

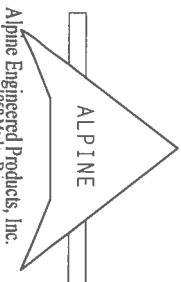
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (MATERIAL DESIGN SPEC., BY AREA) AND TPI. APPLICABLE CONSTRUCTION PLATES ARE MADE OF 20/18/16GA (44/55/55) ASH 4653 GRADE 40/60 (44/55) GALV. STEEL. APPLY 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 AREA AS OF TPI 2002 SEC.3. A SEAL ON THIS DESIGN SHALL BE SUFFICIENT FOR PROVISIONAL ENDORSEMENT RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER PER ANSI/TPI 1 SEC. 2.



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

Scale = 5"/ft.

TC LL	20.0 PSF	REF R487--	65038
TC DL	10.0 PSF	DATE	12/22/06
BC DL	2.0 PSF	DRW HCUSR487	06356044
BC LL	0.0 PSF	HC-ENG JB/AF	
TOT.LD.	32.0 PSF	SEQN-	129607
DUR.FAC.	1.25		
SPACING	24.0"	IRFF	IT30A87_201



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

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

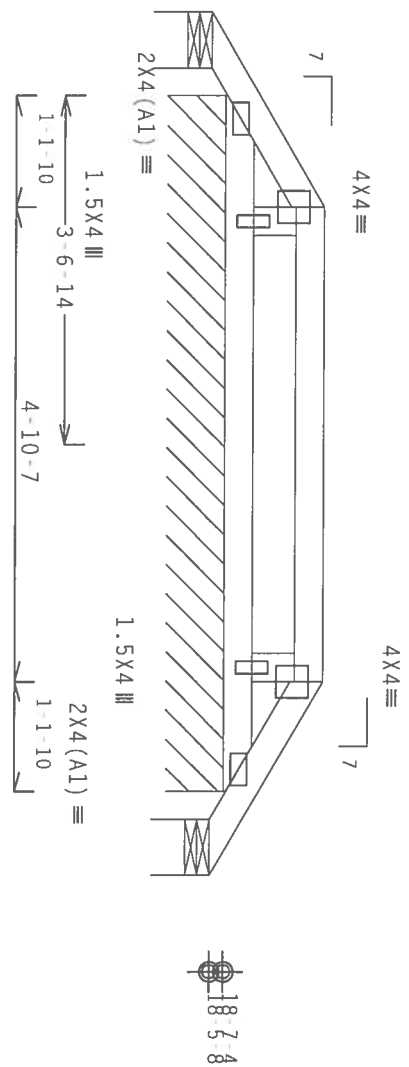
Wind reactions based on MMFRS pressures.

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

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 19.04 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.

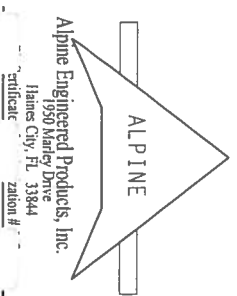


PLT TYP. Wave

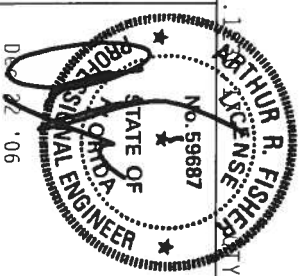
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY NIPRA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 7010/16GA (40/55) ASH 4653 GRADE 40/60 (4, K/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AS OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE TRUSS HAS BEEN INSPECTED AND FOUND TO BE IN CONFORMANCE WITH THE TRUSS COMPONENT DESIGN. SHOW THE SUFFICIENCY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.



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



FL/4/-/R/-		Scale =.5"/ft.	
TC LL	20.0 PSF	REF	R487 - 65039
TC DL	10.0 PSF	DATE	12/22/06
BC DL	2.0 PSF	DRW	HCUSR487 06356045
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	32.0 PSF	SEQN-	129727
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T30487 201

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

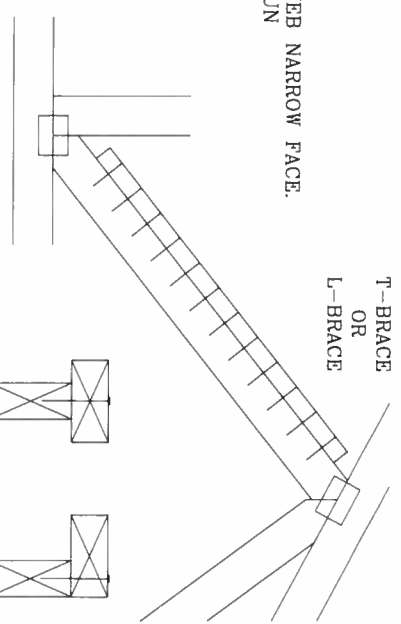
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	SCAB BRACE
2X3 OR 2X4	1 ROW 2 ROWS	2X4 2X6	1-2X4 2-2X4
2X6	1 ROW 2 ROWS	2X4 2X6	1-2X6 2-2X4(*)
2X8	1 ROW 2 ROWS	2X6 2X8	1-2X8 2-2X6(*)

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

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

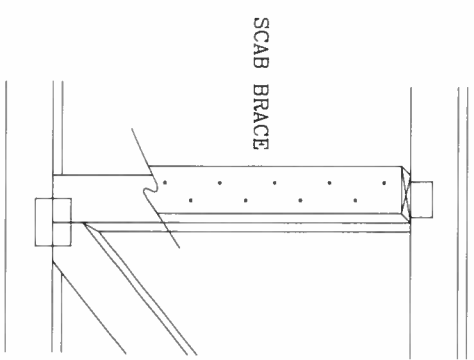
T-BRACING
OR
L-BRACING:

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



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB. NO MORE THAN (1) SCAB PER FACE. ATTACH WITH 10d 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 679.640

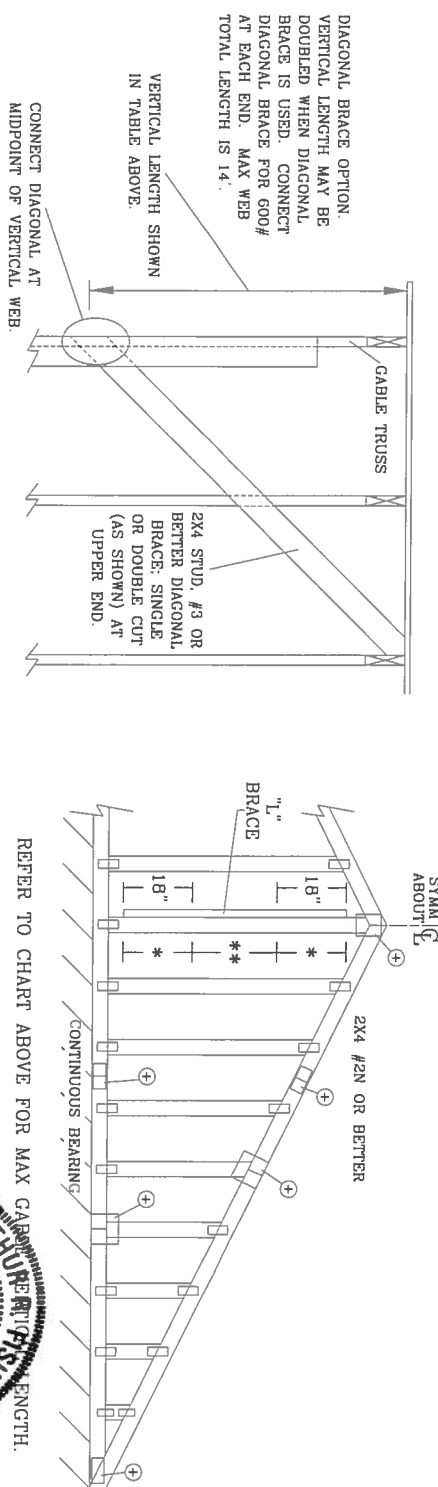
ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314 AND WICA CADD 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 SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN, OR ANY DAMAGE TO THE TRUSS OR BUILDING BY ANY PARTY. DESIGN CONFORMS WITH APPLICABLE PROVISIONS, SPECIFICATIONS, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS, SPECIFICATIONS, INSTALLING & BRACING OF TRUSSES. ALPINE CONNECTOR PLATES ARE MADE OF 2018/T6 AL 6061 T6 ALUMINUM. GRADE 40/60 (V.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 (1) SHALL BE PER AMEX A3 DESIGN 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.

Dec 22

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/1/06
BC DL	PSF	DRWG	BRCBLSUB1106
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			



BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE - PINE - FIR

#1 / #2

#3

STANDARD

STUD

HEM - FIR

#2

#3

STUD

STANDARD

DOUGLAS FIR - LARCH

#3

STUD

STANDARD

GROUP B:

HDM - FIR

#1 & BTR

#1

SOUTHERN PINE

#1

#2

DOUGLAS FIR - LARCH

#1

#2

CABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS $L/240$.

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

GABLE END SUPPORTS LOAD FROM 4' 0"

OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS

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

** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C.

IN 18" END ZONES AND 6" O.C. BETWEEN ZONES

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

CABLE 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.

PEAK, SPLICE, AND HEEL PLATES.

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

****WARNING**** THESE REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE MANUFACTURING COMPANY, INC., SUITE 302, ALEXANDRIA, VA 22304 AND WEA GOOD ROSS COUNCIL OF AMERICA, SUITE 100, 19750 E. HIGHWAY 101, DENVER, CO 80260 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL JOINTS AND JOINTS ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID GELTING.

****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, SHIPPING, INSTALLING & BRACING OF THE TRUSSES. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF US NATIONAL DESIGN SPEC. FOR STEEL BUILDINGS AND THE CONNECTOR PLATES ARE MADE OF 2018H16GGA (A/HASST) ASTM A563 GRADE 40-50 (A/HASST). THE TOP CHORD MEMBER IS MADE OF 2018H16GGA (A/HASST) ASTM A563 GRADE 40-50 (A/HASST). THE BOTTOM CHORD MEMBER IS MADE OF 2018H16GGA (A/HASST) ASTM A563 GRADE 40-50 (A/HASST).

****NOTES**** 1. THE DESIGN POSITION PER DRAWING INDICATES THE INTENDED USE, UNLESS OTHERWISE SHOWN. THE DESIGN SHALL BE PER ANNEX A OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS DRAWING INDICATES ACCEPTANCE OF SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TPI 1 SEC. 2.

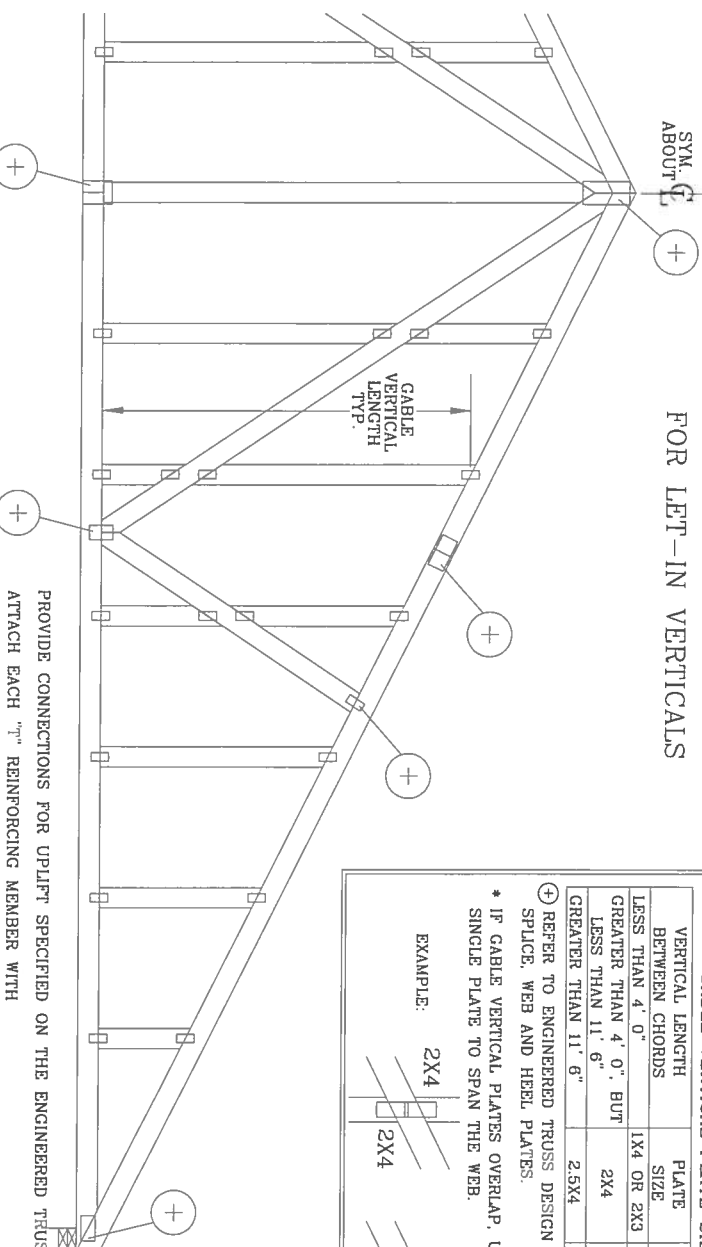
REFER TO CHART ABOVE FOR MAX CABLE LENGTH

MAX. SPACING 24.0"

MAX. TOT. LD. 60 PSF

REF	ASCE7-02-CAB11015
DATE	11/1/06
DRWG	A11015EE1106
-ENG	

CABLE DETAIL FOR LET-IN VERTICALS



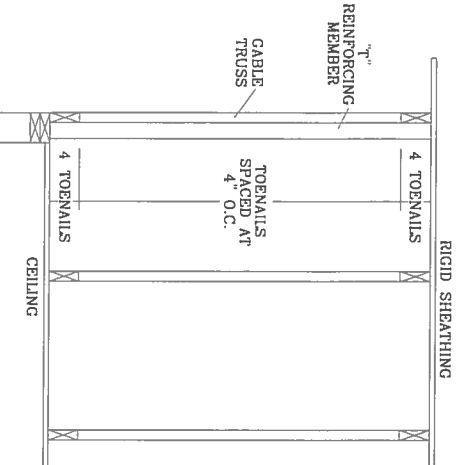
CABLE VERTICAL PLATE SIZES

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

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

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

EXAMPLE:



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

10d COMMON (0.148" X 3.3" 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:
8d COMMON (0.131" X 2.5" MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

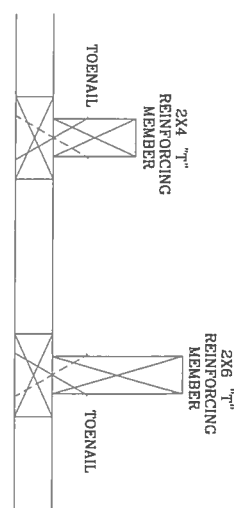
THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE CABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

ASCE 7-93 CABLE DETAIL DRAWINGS
A11015EN1103, A10015EN1103, A09015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
ASCE 7-98 CABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A08530EC1103
ASCE 7-02 CABLE DETAIL DRAWINGS
A13015ED0405, A12015ED0405, A11015ED0405, A08515ED0405, A13030ED0405, A12030ED0405, A11030ED0405, A08530ED0405

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

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

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



WEB LENGTH INCREASE W/ "T" BRACE

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

EXAMPLE:
ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT
GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH 110 x 6' 7" = 7' 3"

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE SOURCE FOR TRUSS MANUFACTURING PRACTICES. PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 208 NORTH LEE ST. SUITE 312, ALEXANDRIA, VA 22304-4400. (703) 544-1100. FAX (703) 544-1101. IF 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 THE TRUSS IN COMPLIANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CHANGES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR TIMBER) AND PERMITTING AGENCIES ARE MADE BY 2018/1804 (W/AS/AS) ASH 4653 GRADE 40/60 (W/K/SS) GALV. STEEL APPLY PLATES TO ALL TRUSS MEMBERS. ALL TRUSS MEMBERS SHALL BE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 1600-2. ANY INSPECTION OF TRUSS DESIGN SHALL BE PER ANNEX A3 OF TPI 1-2008 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 COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TPI 1 SEC. 2



REPLACES DRAWINGS GAB98117 876,719 & HC26294035

REF	LET-IN VERT
DATE	11/1/06
DRWG	GBLETTN1106
-ENG	DLJ/KAR
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"

100 MPH WIND, 30.00 FT² MEAN HGT., ASCE γ -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 PICCYBACK CAP TRUSSES MUST BE ADEQUATELY BRACED BY SHEATHING OR PURLINS. PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

 $\angle_{\text{FLAT TOP CHORD}} \leq 12^\circ$

PIGGYBACK CAP TRUSS TOENAILLED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS.

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

FLAT TOP CHORD $\leq 20'$

FLAT TC BRACING
PER ENGINEER'S
SEALED DESIGN

FLAT TOP CHORD $\leq 20'$

PIGGYBACK CAP TRUSS TOENAILED 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

4

4

4

4

FLAT TOP CHORD $\leq 30^\circ$

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")

-8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES. ATTACH WITH (8) 8d COMMON NAILS PER GUSSET, (4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

THIS DRAWING REPLACES DRAWINGS 581,670 & 961,860

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"			

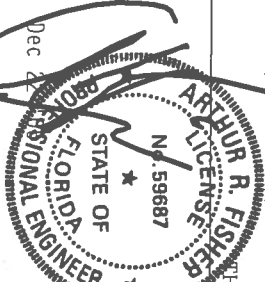


ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE AMERICA), 610 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314 AND WCA (WOOD ROSS COUNCIL OF AMERICA), 1700 N. CENTRAL AVENUE, SUITE 100, DENVER, CO 80202 FOR SHIELDING PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORDS SHALL BE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****PREREQUISITE**** 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 SPECIFICATIONS WILL BE AT THE USER'S RISK. DESIGN CONNECTORS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN & BRACING CODE) SHALL BE USED. DESIGN CONNECTOR PLATES ARE MADE OF 2018/16ga G/AHS# AS7M A653 GRADE 40-60 G/W/MSD. FINAL SIZE OF EACH FACE OF TRUSS AND UNLESS OTHERWISE INDICATED SHALL BE 40-60 G/W/MSD.

****NOTES**** ALL TRUSS DESIGN POSITION PER DRAWING AND EACH FACE OF TRUSS AND UNLESS OTHERWISE INDICATED SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE BY A PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS CONSTRUCTION DESIGN. THE LIABILITY AND USE OF THIS DESIGN COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING OWNER. PER ANSI/TPI 1 SEC. 2



PIGGYBACK DETAIL

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

PIGGBACK 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

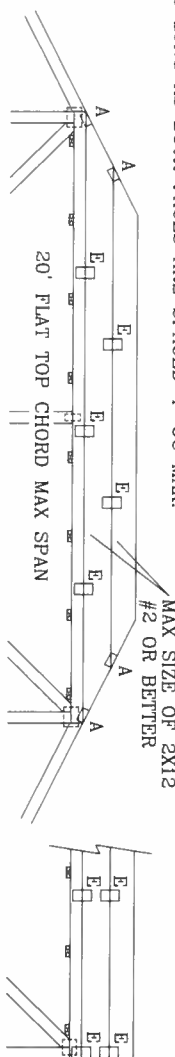
130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG,
LOCATED ANYWHERE IN FOOTCATE II EXD C

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

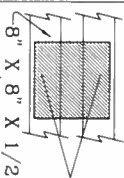
110 MPH WIND, 30' MEAN HGT, SBC

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 (3) 6d BOX (0.099"X 2", MIN) NAILS PER GUSSET.

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

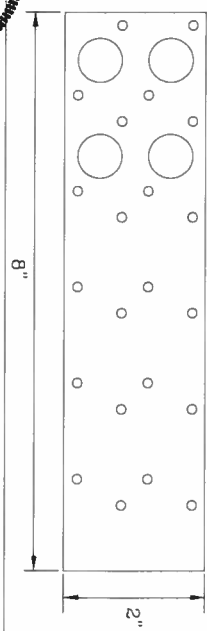
JOINT TYPE		SPANS UP TO			
		30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5	
B	4X6	5X6	5X6	5X6	
C	1.5X3	1.5X4	1.5X4	1.5X4	
D	5X4	5X5	5X5	5X6	
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY				

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.

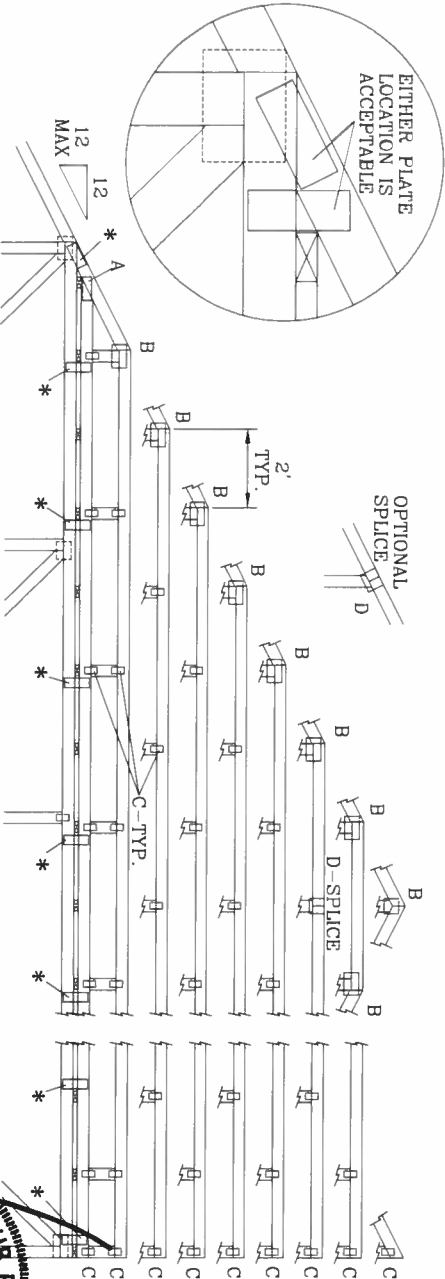
WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7' 9"	NO BRACING
7' 9" TO 10'	1x4 "A" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d BOX (0.113"X 2.5".MIN) NAILS AT 4" OC.
10' TO 14'	2x4 "A" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135"X 3.5".MIN) NAILS AT 4" OC.

*** PIGGYBACK SPECIAL PLATE**

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



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



*****WARNING*****
 THESE PROCESSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TYPICAL CROSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 314, ALEXANDRIA, VA 22314 AND VICA (WOOD ROSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

התורה והנבואה

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

*PRODUCTS, INC., JOURNALIST COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR ALPINE ENGINEERED BUILDING, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH PERI FOR FABRICATING, HANDLING, SHIPPING, INSTALLING DESIGN & SPECIFICATIONS AND THE DESIGN CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SUCH DEVIATIONS. SIGNED BY ATTORNEY AT LAW AND THE DESIGN CONTRACTOR, PLAINFIELD, NEW JERSEY, 07068 GRADUATE ARCHITECT 40-60 (WORK/SHEET) G.A.V./STEEL, APPLY PLATES TO EACH END OF TRUSS AND PLATES TO BE WELDED LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 166A-Z. ANY INSPECTION OF PLATES FOLLOWED BY SHALL BE PER ANNEX A OF TP-1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2



MAX 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"	