

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: ISZY487-Z0221161203

Truss Fabricator: Anderson Truss Company

Job Identification: 6-304--Stanley Crawford Construc Mayfair #19 -- , **

Truss Count: 45

Model Code: Florida Building Code 2004

Truss Criteria: ANSI/TPI-2002(STD)/FBC

Engineering Software: Alpine Software, Version 7.24.

Structural Engineer of Record: The identity of the structural EOR did not exist as of the seal date per section 61G15-31.003(5a) of the FAC

Address: Roof - 40.0 PSF @ 1.25 Duration

Minimum Design Loads: Floor - N/A

Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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

Details: BRCLBSUB-A11015EE-GBLLETIN-

Seal Date: 08/21/2006

-Truss Design Engineer-

Arthur R. Fisher

Florida License Number: 59687

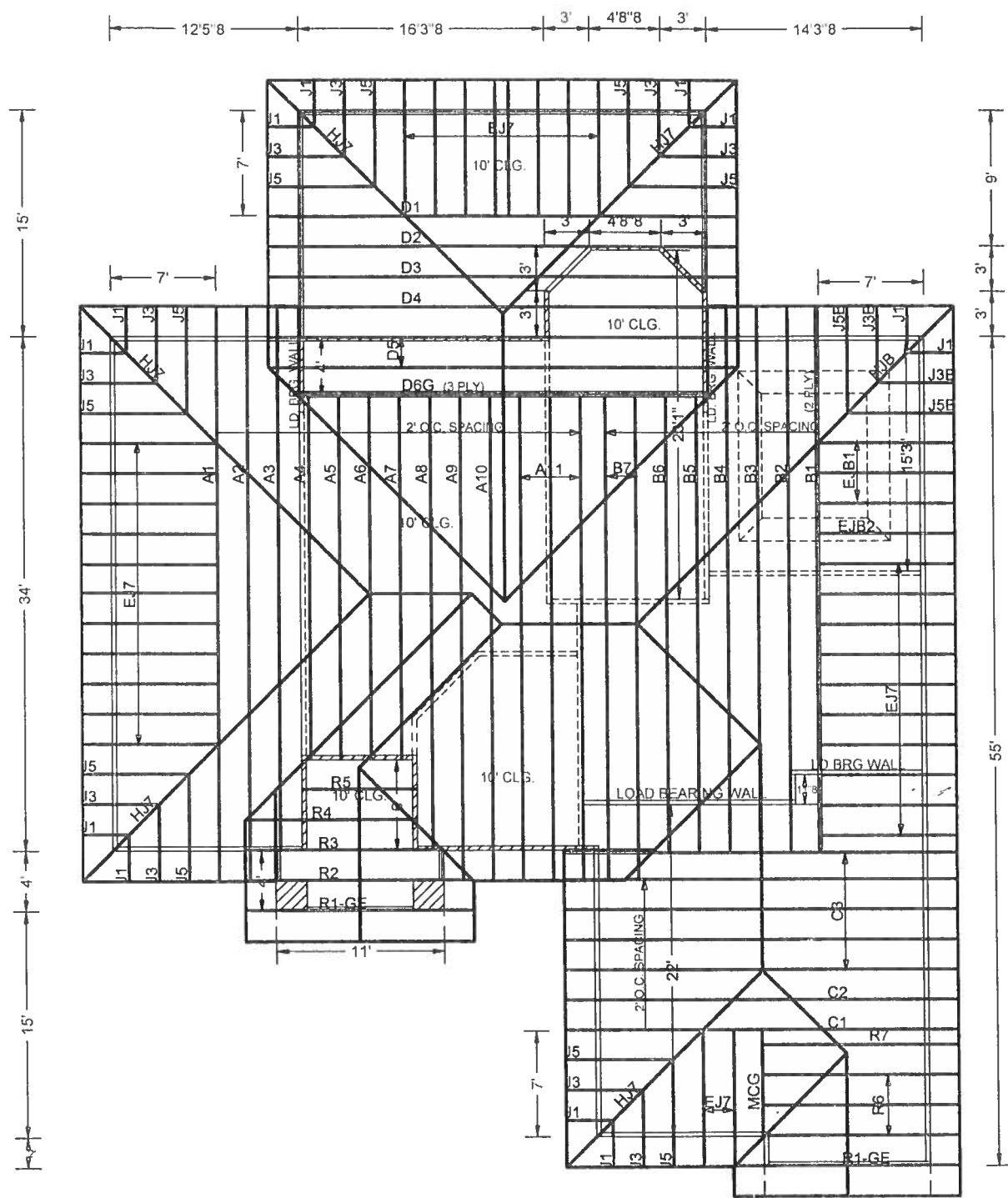
1950 Marley Drive

Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	01771--A1		06233018	08/21/06
2	01772--A2		06233019	08/21/06
3	01773--A3		06233020	08/21/06
4	01774--A4		06233022	08/21/06
5	01775--A5		06233023	08/21/06
6	01776--A6		06233024	08/21/06
7	01777--A7		06233025	08/21/06
8	01778--A8		06233026	08/21/06
9	01779--A9		06233027	08/21/06
10	01780--A10		06233028	08/21/06
11	01781--A11		06233029	08/21/06
12	01782--B1		06233030	08/21/06
13	01783--B2		06233031	08/21/06
14	01784--B3		06233032	08/21/06
15	01785--B4		06233033	08/21/06
16	01786--B5		06233034	08/21/06
17	01787--B6		06233035	08/21/06
18	01788--B7		06233036	08/21/06
19	01789--C1		06233063	08/21/06
20	01790--C2		06233040	08/21/06
21	01791--C3		06233041	08/21/06
22	01792--D1		06233042	08/21/06
23	01793--D2		06233043	08/21/06
24	01794--D3		06233044	08/21/06
25	01795--D4		06233045	08/21/06
26	01796--D5		06233046	08/21/06
27	01797--D6G		06233047	08/21/06
28	01798--HJ7		06233048	08/21/06
29	01799--EJ7		06233049	08/21/06
30	01800--J5		06233050	08/21/06
31	01801--J3		06233051	08/21/06
32	01802--J1		06233052	08/21/06
33	01803--HJB		06233053	08/21/06
34	01804--EJB1		06233054	08/21/06
35	01805--EJB2		06233055	08/21/06
36	01806--J5B		06233056	08/21/06

#	Ref	Description	Drawing#	Date
37	01807--J3B		06233057	08/21/06
38	01808--MCG		06233039	08/21/06
39	01809--R1-GE		06233058	08/21/06
40	01810--R2		06233059	08/21/06
41	01811--R3		06233060	08/21/06
42	01812--R4		06233061	08/21/06
43	01813--R5		06233062	08/21/06
44	01814--R6		06233038	08/21/06
45	01815--R7		06233037	08/21/06





8/21/06 | 10'9" | 7' | 10' | 11' | 11' |

#6-304 STANLEY CRAWFORD - MAYFAIR LOT #19

Scale: 3/32" = 1'

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.

#1 hip supports 7-0-0 jacks with no webs.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



ARTHUR R. FISHER
LICENSE

Scale = .1875"/Ft.

STATE OF
No. 59687

TC LL	20.0 PSF	REF R487 - 1771
TC DL	10.0 PSF	DATE 08/21/06

Alpine Engineered Products, Inc.

**1950 Marley Drive
Haines City, FL 33844**

SPACING 24.0" JRF-1SZY487 Z02

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 D1=5.0 psf, wind BC D1=5.0 psf

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


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

12/17/2017 12:00 PM

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

Scale = .1875"/Ft.

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

TP1. ALPINE

A SEAL ON THIS

POSSIBILITY OF THE



Case of A. 567



1 FL / 4 / - / R / -		Scale = .1875" / Ft.
TC LL	20.0 PSF	REF R487 - 1772
TC DL	10.0 PSF	DATE 08/21/06
BC DL	10.0 PSF	DRW HCSRA487 06Z33019
BC LL	0.0 PSF	HC-ENG DAL / AF
TOT. LD.	40.0 PSF	SEQN - 12726
DUR. FAC.	1.25	
SPACING	24.0"	JRFF - 1SZY487 Z02

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.



R=1396 U=180 W=3.5

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

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

7.24.1

1 FI/-/4/-/-/R/-

Scale = .1875"/Ft.

RIGID CEILING

IMPORIAN[®] FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ALPINE ENGINEERING

ALPINE

Alpine Engineered Products, Inc.

33844
Haines City, FL

2011 # 567

Professional Engineer Seal for Arthur R. Fisher, State of Florida, No. 53687, dated Aug 1 '06.

TC LL	20.0 PSF	REF	R487 - 1773
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233020
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN -	12727
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	ISZY487 Z02

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

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

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



7.24.12061 XCHSE
PROPERTY: FL/-/4/-/-/R/-
Scale = .3125"/Ft

BUILDING DESIGNER PER AISI/YP11 SEC. 2.

FL / - / 4 / - / - / R -		Scale = .3125" / Ft.
TC LL	20.0 PSF	REF R487 -- 1774
TC DL	10.0 PSF	DATE 08/21/06
BC DL	10.0 PSF	DRW HCUR487 06233022
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT. LD.	40.0 PSF	SEQN- 12760
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1SZY487 202

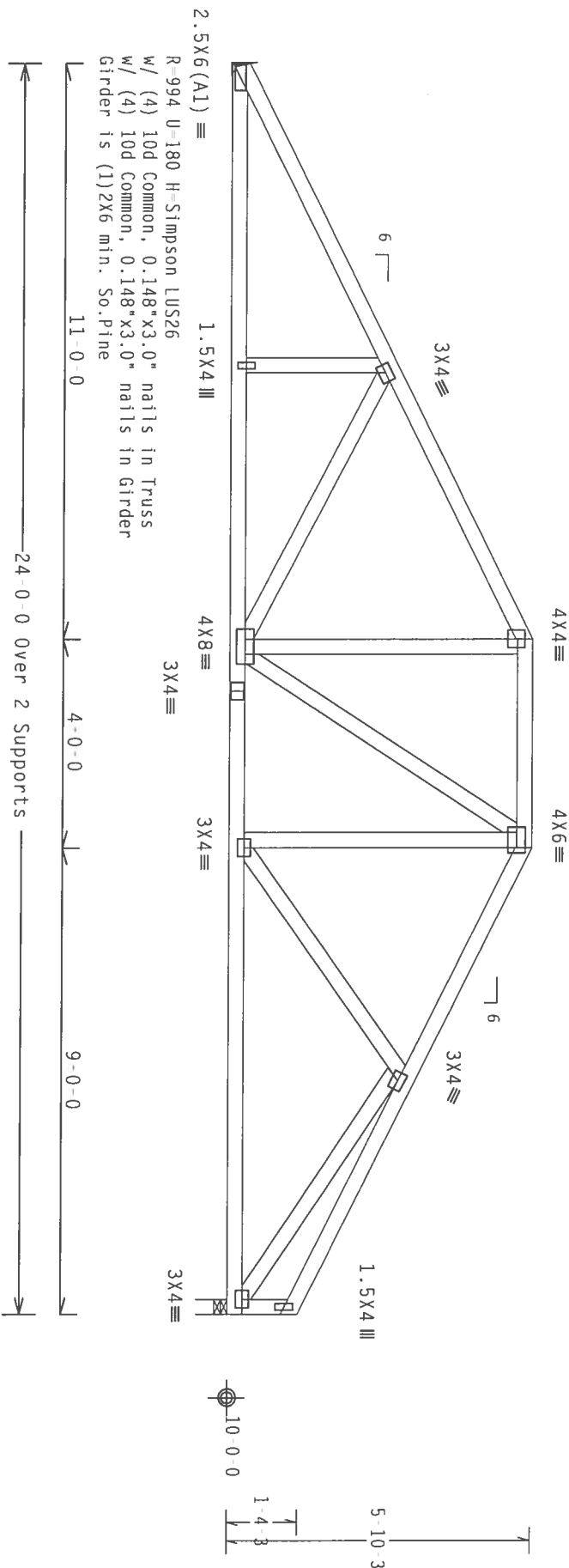
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 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 purtins 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.



2.5X6(A1) =
R-994 U=180 H-Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave

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

7.24.13

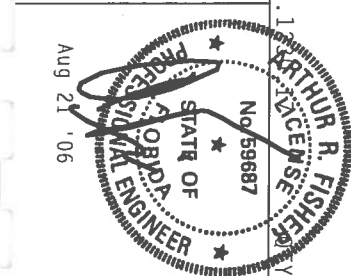
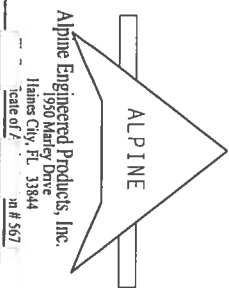
FL-/4/-/R/-

Scale = .3125"/ft.

R=983 U=180 W=3.5"

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES-1 DOWEL ROD CONNECTION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNSTON DR., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE NOTED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ALP AND TPI. ALPINE ENGINEERED PRODUCTS ARE MADE OF 20/18/16GA (K/H/S/K) ASTM A653 GRADE 40/60 (K, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A.Z. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER 43 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE TRUSS WAS INSPECTED BY A PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS CONFORMS TO THE DESIGN SHOWN. THE SEAL IS NOT A GUARANTEE OF THE QUALITY OF THE TRUSS OR THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.

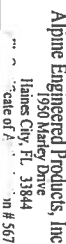


TC LL	20.0 PSF	REF	R487--	1775
TC DL	10.0 PSF	DATE	08/21/06	
BC DL	10.0 PSF	DRW	HCSR487	06233023
BC LL	0.0 PSF	HC-ENG	DAL/AF	
TOT. LD.	40.0 PSF	SEGN	12763	
DUR. FAC.	1.25			
SPACING	24.0"	URFF	1SZY487	202

110. mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP 8, wind TC DL-5.0 psf, wind BC DL-5.0 psf.



Scale = .3125" / Ft.



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



FL/-/4/-/4/-/R/-	Scale = .3125"/ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"
JRFF- 1SZY4R7 Z02	
REF	R487 - 1776
DATE	08/21/06
DRW	HCUSR487 06233024
HC-ENG	DAL/AF
SEQN-	12766

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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.



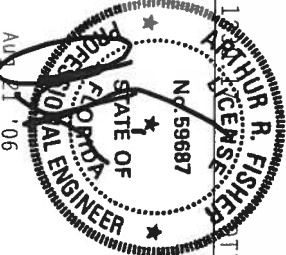
Scale = 2125" / E+

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

Alpine Engineered Products, Inc.

Haines City, FL 33844

Calc of A n # 567



TC LL	20.0 PSF	REF	R487 - 1777
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233025
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEON-	12769
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	152Y487 202

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

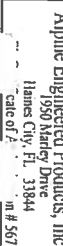
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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.



Scale = .25"/Ft.



DESIGNER, PROJECT ARCHITECT, OR PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE CROSS COMPONENT DESIGN SHOWN. THE LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



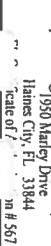
FL/-4/-1/R/-		Scale = .25"/Ft.	
TC LL	20.0 PSF	REF	R487 - 1778
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HGUSR487 06233026
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN	12779
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SZY487 Z02

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

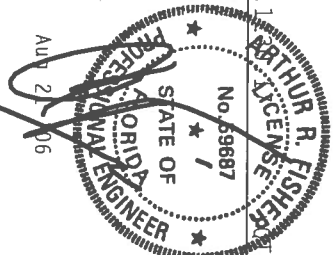


Scale = .25"/Ft.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLIDLY 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/CP1 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Scale of 1" = 1' in # 567



TC LL	20.0 PSF	REF	R487 - 1779
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233027
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	12788
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	1SZY487 Z02

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 purtins 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.



Scale = .25"/Ft.



DATE 08/21/01

DRW HCUSR487 06233

HHC-ENG DAL/AF

SEQN - 12782

REF - 157Y487 71

JRFF 1SZY487 Z

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

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

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)

*WARNING: ALL PILES REQUIRING EXISTING CASE IN FABRICATION, INSTALLATION, SHIPPING, PRESTRESSING AND BRACING REFER TO BC61-103 (BUILDING COMPLIANT SAFETY INFORMATION), HIGHLIGHTED BY FBI (FBI'S PAPER INSTITUTE, 503 O'CONNOR RD., SUITE 200, MADISON, WI 53719) AND VICA (WOOD PROCESS COUNCIL OF AMERICA, 6500 ENTERPRISE DR., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO DEFORMING THE STRUCTURES. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LIFTING CEILING.

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

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

CONNECTOR PLATES ARE MADE OF 20/10/16GA (H, H/S, K) ASTM A653 GRADE 40/60 (H, K/H, S) GALV. STEEL. APPLY

ANY INSPECTION OR PLATE IS FOLLOWED BY (C) 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

BUILDING DESIGNER PER AISC/FP1 1 SEC. 2.

1

Professional Engineer Seal for Arthur R. Fisher, State of Florida, License No. 59687, Exp. 12/31/06.

3 FL/-/4/-/-/R/- Scale = .25"/ft.

TC LL	20.0 PSF	REF	R487--	1781
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TC DL	10.0 PSF	DATE	08/21/06
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BC DI	10.0 PSE	DRW	HC11SBA87	06233029
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BC 11	0 0 BCE	HC-ENG DAL/AT
0 0	0 0	DKM HOOKTOL, VUECOOCE
0 0	0 0	
0 0	0 0	

DC EL	0:0 PST	HC-ENG DAL/AF
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101.LD.	40.0 PSF	SEQN -	12785
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DUR.FAC.	1.25
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SPACING	24.0"	JRFF-1SZY487	202
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2 COMPLETE TRUSSES REQUIRED

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

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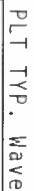
Nailing Schedule: (12d Common (0.148"x3.25", .min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.

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

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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)

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

Scale = .1875"/Ft.

WARNING REPAIRS REQUIRE EXTENSIVE CARE IN FABRICATING, HANDING, APPLYING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR BUILDING COMPLIANT SAFETY INFORMATION. PINNLISTED BY TOP CIRCULAR PLATE INSTITUTE. 503 D'ORANGE RD., SUITE 200, MADISON, WI 53719 AND WEA (WOOD RESEARCH COUNCIL OF AMERICA, 6500 TERNERBLVD. E., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO REPAIRING THESE CIRCULARS. CIRCLES OF THIS SIZE INDICATED. TOP CIRCUS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PLATES AND BOTTOM CIRCUS SHALL HAVE A PROPERLY ATTACHED TOP CIRCUS.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. APINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. SEE DRAWING TO BUILD THE

PROVIDE THE FOLLOWING INFORMATION TO THE MANUFACTURER OF THE PRODUCT, AND BE RESPONSIBLE FOR ANY DETAILATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE PRODUCT IN CONFORMANCE WITH THE DESIGN, OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. AT THE

CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/W/S/K) ASTM A553 GRADE 40/60 (N, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2.

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

1

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
State of _____ on # 567

Aug 11 '06

TC LL	20.0 PSF	REF	R487 - - 1782
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233030
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	12754
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	1SZY487 Z02

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.



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

PROPERTY: _____

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

Scale = .1875"/ft.

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

ALPINE ENGINEERS

TRUSS IN CONFORMANCE WITH TPI;

DESIGN CONFORMS WITH APPLICABLE
CONNECTION PLATES ARE MADE OF

CONNECTOR PLATES ARE MADE OF 2 PLATES IN EACH FACT OF THUS A

PLATE INSPECTION OF PLATS FOLLOWING EACH FACE OF TRUSS AND


DRAWING INDICATES ACCEPTANCE

DRAWING INDICATES ACCEPTANCE
DESIGN SHOWN. THE SUITABLE

BUILDING DESIGNER PER ANSI/TPI

1

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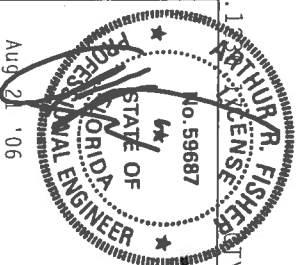


Alpine Engineered Products, Inc.

Alpine Engineered Products, Inc.

11aines City, FL 33844

Scale of 1 to 5 on # 567



TC LL	20.0 PSF	REF	R487 - 1783
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233031
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	12740
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	1SZY487 Z02

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.



QTY:1

Scale = .1875"/Ft.

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

TC LL	20.0 PSF	REF	R487 - 1785
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233033
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	12742
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1SZY487 Z02

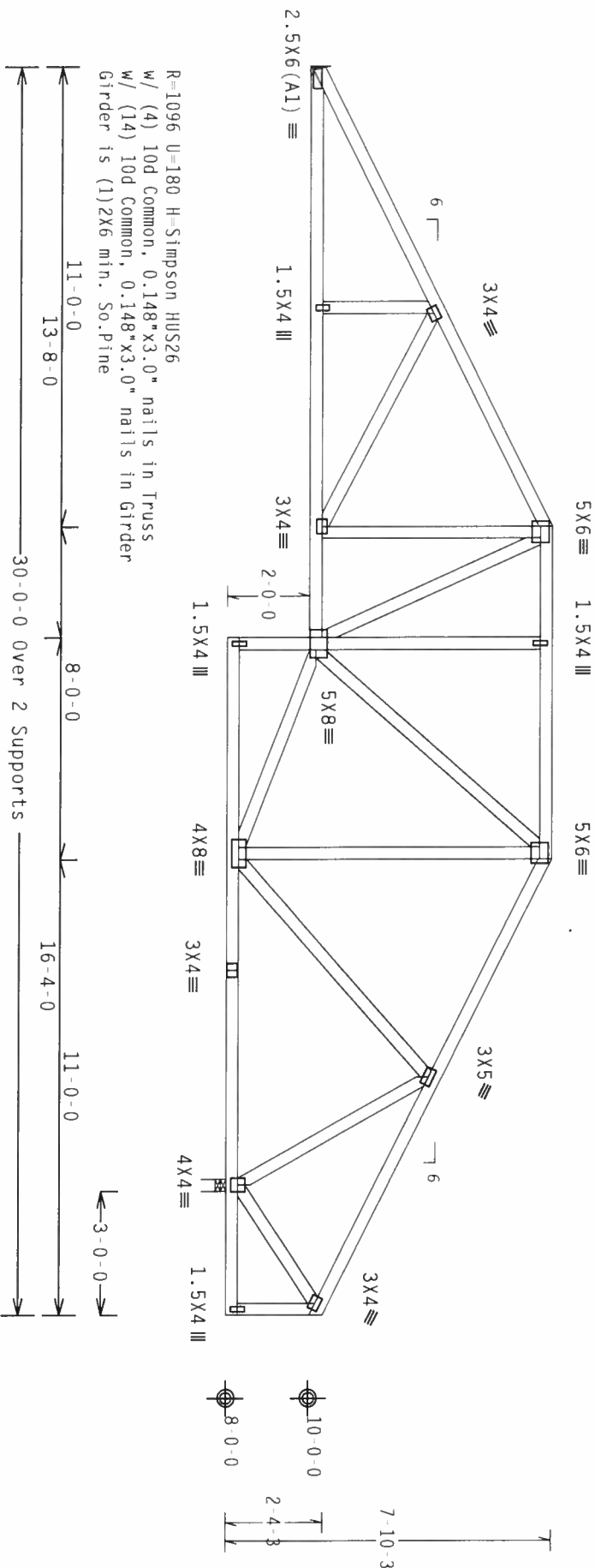
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.1

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

Scale = .25"/ft.

****WARNING**** TRUSSES REQUIRING EXERCISE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES. 1.03. (INCLUDING COMPONENT SAFETY INFORMATION, HANDLING, SHIPPING, INSTALLING AND BRACING) DIRECTION OR, SUITE 200, HANSON, MI 48120. (48120) AND WICKIWOOD TRUSS COMPANY, 1000 E. 10TH STREET, SUITE 200, HANSON, MI 48120. (48120) FOR SAFETY PRACTICES PRIOR TO REPAIRING THESE TRUSSES. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AREA) AND TPI-2002. APPLY CONNECTIONS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z ANY INSPECTION OF TRUSSES FOLLOWED BY (1) SHALL BE PER AREA A3 OF TPI-2002 SEC. 3.3. A SEAL ON THIS DRAWING INDICATES THE SIGNATURE AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AREA 1 SEC. 2.

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AREA) AND TPI-2002. APPLY CONNECTIONS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z ANY INSPECTION OF TRUSSES FOLLOWED BY (1) SHALL BE PER AREA A3 OF TPI-2002 SEC. 3.3. A SEAL ON THIS DRAWING INDICATES THE SIGNATURE AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AREA 1 SEC. 2.

TC LL 20.0 PSF

REF R487- 1786

TC DL 10.0 PSF

DATE 08/21/06

BC DL 10.0 PSF

DRW HUSR487 06233034

BC LL 0.0 PSF

HC-ENG DAL/AF

TOT.LD. 40.0 PSF

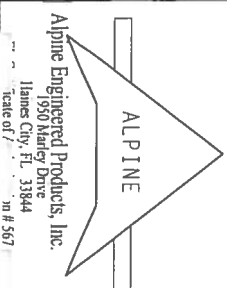
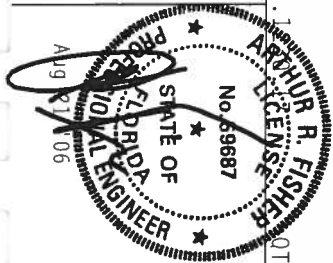
SEQN- 12776

DUR.FAC. 1.25

JRFF- 1SZYAR7 202

SPACING 24.0"

JRFF- 1SZYAR7 202



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Tel: 888.567.5671

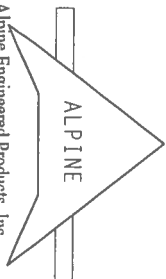
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



Scale = .25" / Ft.

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

scale of 1" = 100' m#567



ARTHUR R. FISHER
LICENSE

TC LL	20.0 PSF	REF	R487 - 1787
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233035
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	12791
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1SZY487 Z02

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

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

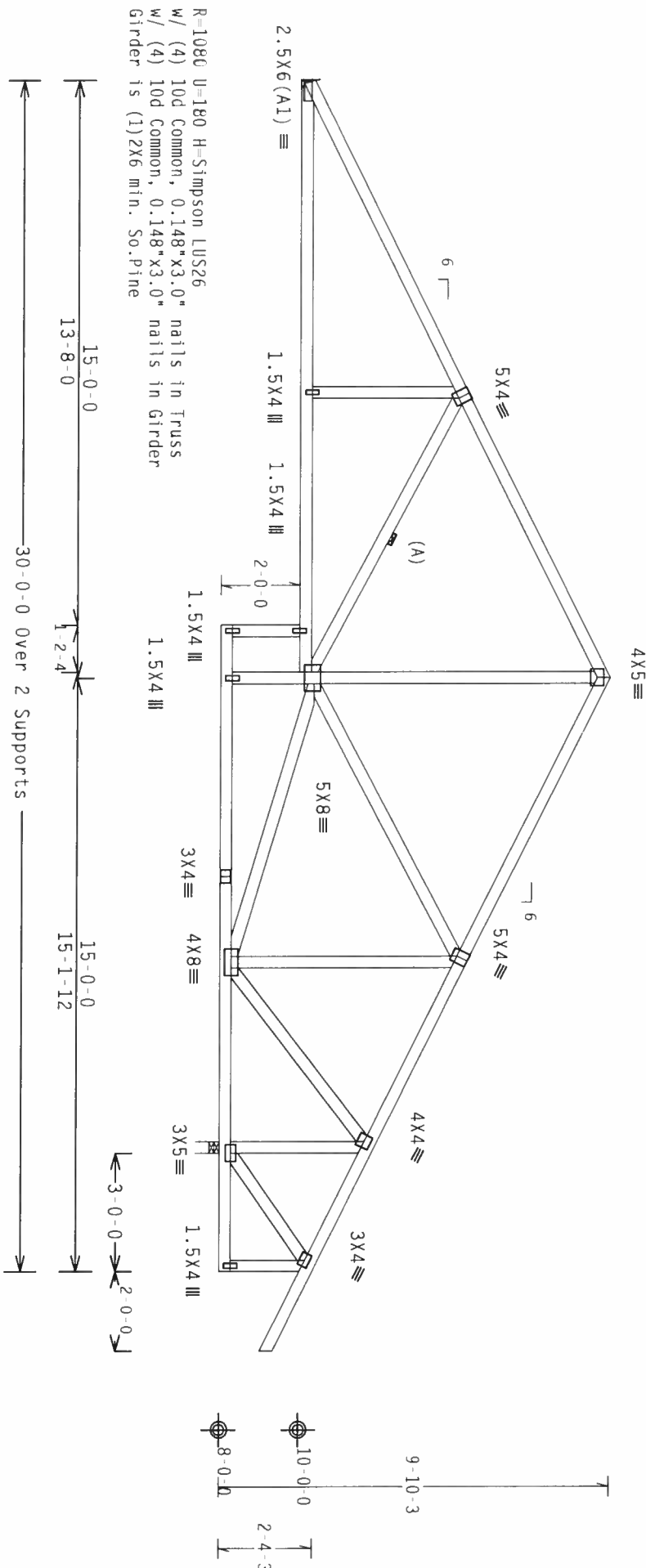
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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 exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

(A) Continuous lateral bracing equally spaced on member.



R=1080 U=180 H=Simpson LUS26
W/ (4) 10d Common, 0.148"x3.0" nails in Truss
W/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So. Pine

PLT TYP. Wave

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

TY: 2 FL/-/4/-/R/- Scale = .25"/ft.

R=1520 U=180 W=3.5"

WARNING TRUSSES REQUIRE EXTERIOR GALT IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES. 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, 1000 W. 10TH AVE., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6100 ELLIOTT ST., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO ERECTING THESE TRUSSES. 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.

OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

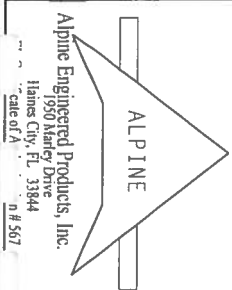
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 2005 NATIONAL DESIGN SPEC. BY AREA AND TPI.

CONNECTION PLATES ARE MADE OF 2010/10GA (E41/5/5) ASTM A653 GRADE 40/60 (K1/5) GALV. STEEL.

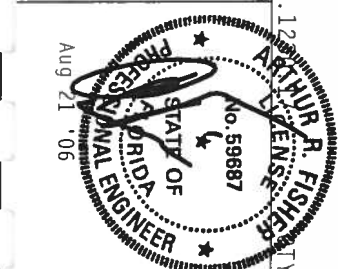
APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A Z.

CONNECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA A3 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 AREA/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Mayfield Drive
Haines City, FL 33844
Phone: 888-567-5677



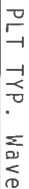
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TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCSR487 06233036
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT. LD.	40.0 PSF	SEON	12773
DUR. FAC.	1.25		
SPACING	24.0"		

JRFF-1SZY487 202

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.



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

7.24.1

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

Scale = 25"/Ft

WARNING: THESE HAZARDOUS EXHAUST GASES IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRIVING REFER TO RESIN TO THE FOLLOWING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE MANUFACTURER OF THE PRODUCT REFERRED TO: 020R000100-01, SUITE 200, HADISON, NJ 07732 AND WCA 00000 HADISON, NJ 07732 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP GROUND SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GROUND SHALL HAVE A PROPERLY ATTACHED LIGAND CELLING.

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

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

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC, BY AFAPA) AND TPI. ALPINE CONNECTOR PLATE ARE MADE OF 2024-T3 ALUMINUM. SEE DRAWING FOR DIMENSIONS.

CONNECTION PLATES SHALL HAVE A MINIMUM THICKNESS OF 1/2 IN. (12.7 MM) AND SHALL BE MADE OF A286 STEEL. APPLY

ANY INSPECTION OF PLATE FOLLOWED BY (1) SHALL BE PERMITTED AT OF 1911-2002 ETC 2

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

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

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2

1000

TC LL	20.0 PSF	REF	R487	1790
TC DL	10.0 PSF	DATE	08/21/06	
BC DL	10.0 PSF	DRW	HCUSR487	06233040
BC LL	0.0 PSF	HC-ENG	DAL/AF	*
TOT.LD.	40.0 PSF	SEQN	12713	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SZY487	Z02

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

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



QTY:5 FL / - / 4 / - / - / R / -

Scale = .25"/Ft.

ARTHUR R. FISHER
LICENSE
No. 59687

ALPINE ENGINEERED

BUILD THE OF TRUSSES - ALPINE

STEEL APPLY
DRAWINGS 160A 2

STATE OF
KALIFORNIA
PROFESSIONAL ENGINEER
Aug 21 2006

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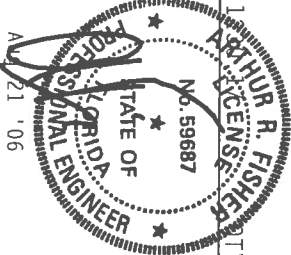
TC LL	20.0 PSF	REF	R487 - - 1791
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233041
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	12714
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1SZY487 Z02

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.

#1 hip supports 7-0-0 jacks with no webs.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



1950 Kralley Drive
Maines City, FL 33844
State of A in # 567



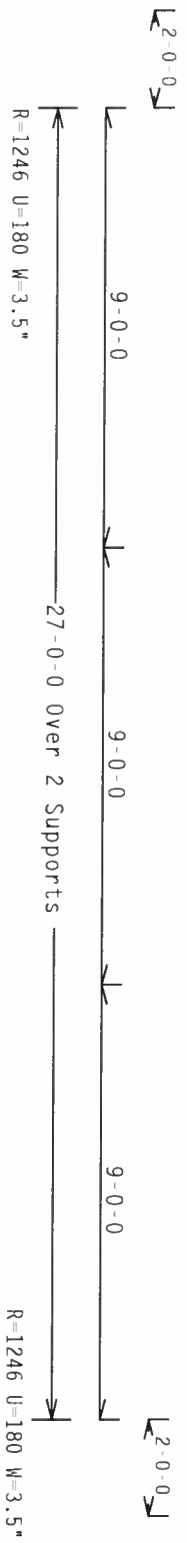
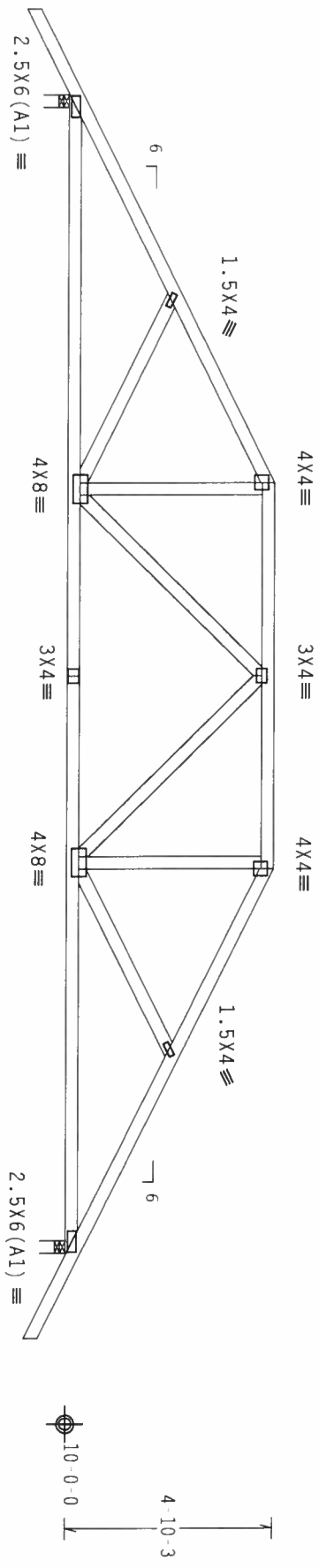
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TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233042
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN	12752
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SZY487 Z02

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.

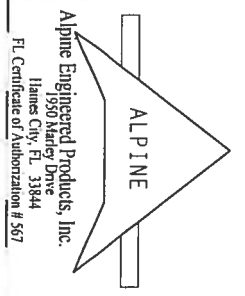


PLT TYP. Wave

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

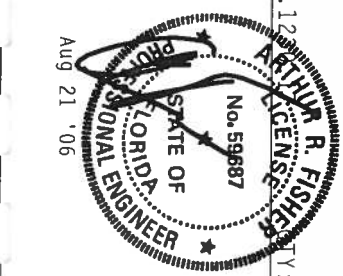
7.24.12

Scale = .25"/ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSSES, 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.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P&A) AND TPI. ALPINE TRUSSES ARE MADE OF 20/18/16GA (E/J/S/F) ASH 40/60 (K/J/S) GALT. STEEL. APPLY PROTECTIVE COATINGS TO ALL EXPOSED SURFACES. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY DEVIATION FROM THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT FABRICATOR. THE SUSTAINABILITY 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 - 1793
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233043
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT. LD.	40.0 PSF	SEQN	12723
DUR. FAC.	1.25		
SPACING	24.0"	JRFF	1SZY4R7 202

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

$$\frac{Cq}{RT}=1.00(1.25)/10(0)$$

FL/14/11/R/1

Scale = .25"/Ft.

[illegible]

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 704 CODE FOR INSTALLATION, HANDLING, SHIPPING, AND STORAGE OF LIQUID PETROLEUM GASES (LPG).

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

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R487 - 1795
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233045
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN	12725
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	1SZY487 202

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

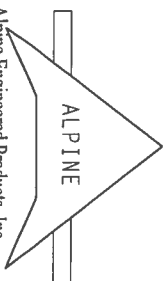
Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.



7.24.

QTY:2 FL/-/4/-/-/R/-/-

Scale = .25"/Ft.



Alpine Engineered Products, Inc.

James City, FL 33844
 FI 7-11-67 on # 567

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

ALPINE ENGINEERED

PRODUCTS, ETC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN;
TRUSS IN CONFORMANCE WITH TP1. OR FABRICATING, HANDLING, SHIPPING, INST.

FAILURE TO BUILD THE RACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE
CONNECTOR PLATES ARE MADE OF 2018/16GA (MIL-S-1) ASTM A653 GRADE 40/60 (MIL-S-1) GALV STEEL
APPLY

TP1. ALPINE
STIFFLY APPLY

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

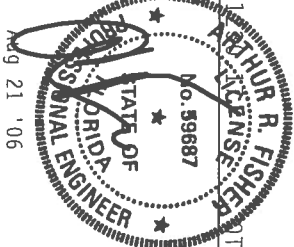
ER DRAWINGS 160A-Z.

ANY INSPECTION OF PLATE IS 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

A SEAL ON THIS TRUSS COMPONENT

DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIA/CES/USGBC GREEN COURSE #000-097.

RESPONSIBILITY OF THE



TC LL	20.0 PSF	REF	R487 - 1796
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233046
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT. LD.	40.0 PSF	SEQN -	12737
DUR. FAC.	1.25		
SPACING	24.0"	JRFF -	1SZY487 202

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.

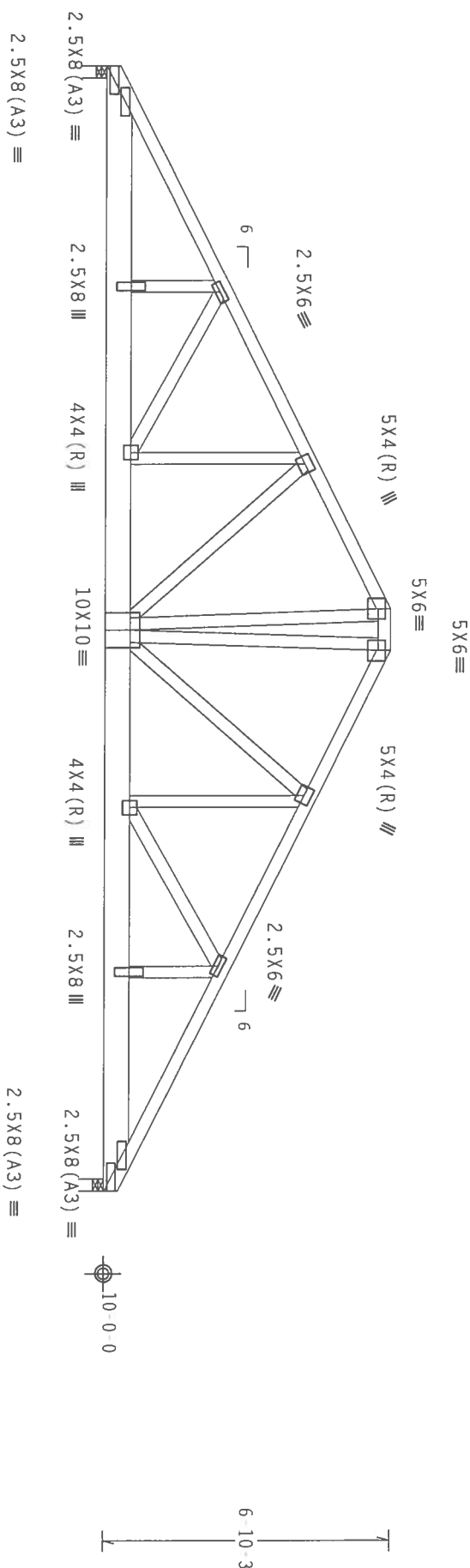
3 COMPLETE TRUSSES REQUIRED

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

Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @5.00" o.c.
Webs : 1 Row @ 4" o.c.

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

Girder supports 30'-0" span to BC one face and 2'-0" span to TC/BC split opposite face.



R=8814 U=789 W=3.5^m

R=8814 U=789 W=3.5^m

PLT TYP. Wave

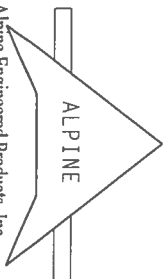
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)

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

7.24.1

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

Scale = .25"/Ft.



Alpine Engineered Products, Inc
1950 Marley Drive
Haines City, FL 33844
Scale of 1" = 100' on #567

WARNING THESE REQUIREMENTS ARE IN FORCE FOR THE DESIGN, CONSTRUCTION, INSTALLATION, MAINTENANCE, SHIPPING, HANDLING, STORAGE, AND DISPOSAL OF ALL TYPES OF CRYSTALLINE POLYETHYLENE PIPE. THIS INFORMATION IS PROVIDED BY THE CRITICAL PATHS INSTITUTE, 5805 DOWNEY AVE., SUITE 200, HOLLYWOOD, FL 33119, AND HAS BEEN OBTAINED FROM THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS, 1815 LEXINGTON AVENUE, NEW YORK, NY 10017-2187. IT IS THE RESPONSIBILITY OF THE USER TO VERIFY THAT THE INFORMATION IS CURRENT AND APPLICABLE TO THEIR SPECIFIC APPLICATION. THE CRITICAL PATHS INSTITUTE ASSUMES NO LIABILITY FOR ANY DAMAGE OR LOSS OF PROFITS, PERSONAL INJURY, OR PROPERTY ATTACHED TO THE USE OF THIS INFORMATION.

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

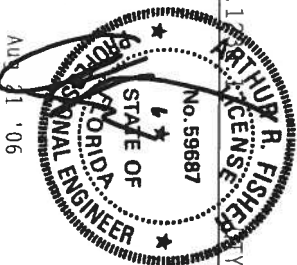
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HDX (NATIONAL DESIGN SPEC., BY ALPFA) AND TPI. ALPINE CONNECTOR PLATE AND BOND OF CONNECTORS WILL BE USED.

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

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

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

100



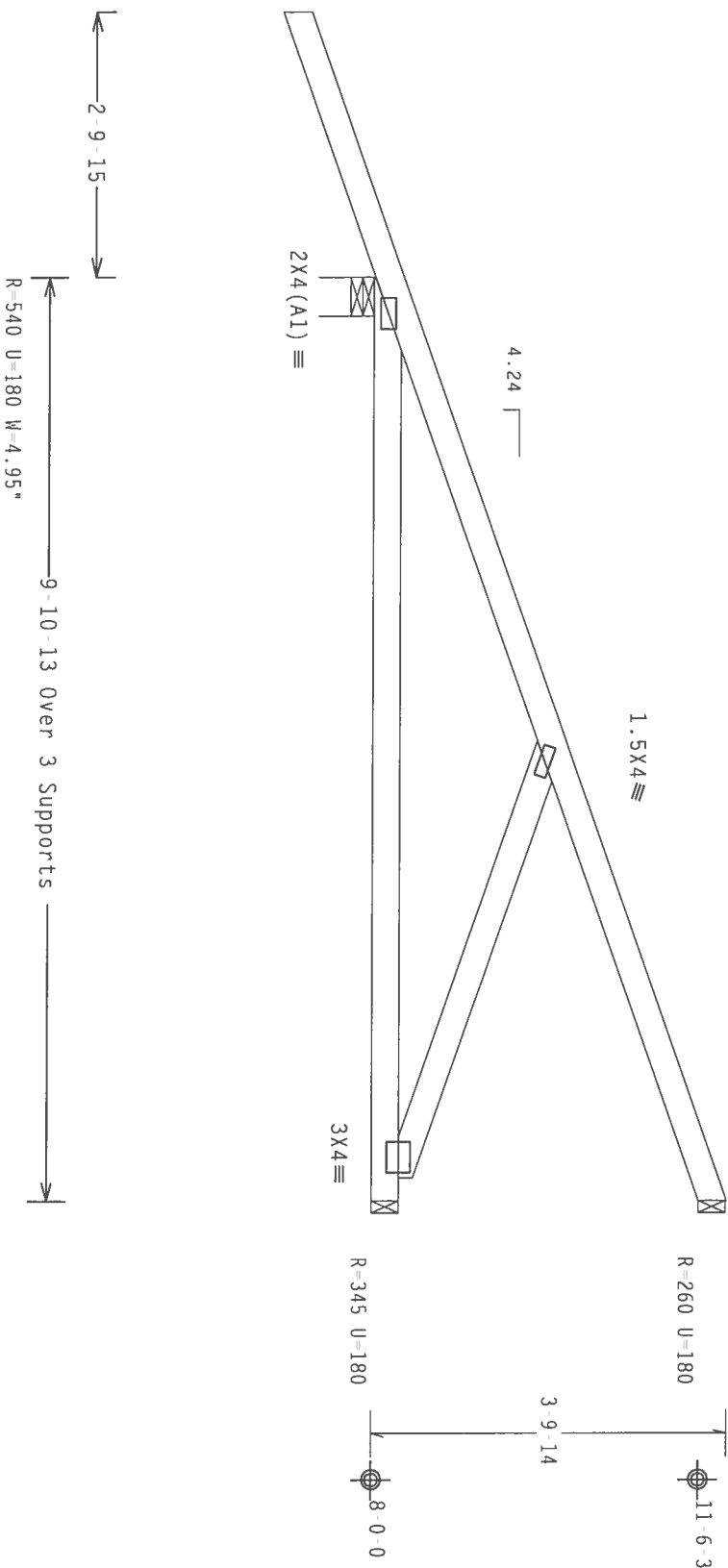
TC LL	20.0 PSF	REF	R487 - 1797
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233047
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN -	12755
DUR.FAC.	1.25		
SPACING	24.0"	JRF -	1SZY487 Z02

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 (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.

Hipjack supports 7' 0" setback jacks with no webs.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



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

ARTHUR R. FISHER
LICENSE
CITY:

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

Scale = .5"/Ft.

Alpine Engineered Products, Inc.

James City, FL 33844
Grade of A
 on #567

WARNING—BOLTS PROVIDING EXISTING CABLE IN FABRICATION. HANDING, SHIPPING, INSTALLING AND DRAGING REFER TO BEST 1/2" (31.75) DRILLING COMPONENT OF SAFETY INFORMATION. PUBLISHED BY TPI (TURNS PLATE INSTITUTE), 363 D. OROBERTO DR., SUITE 200, MADISON, MI 53719, AND AKA (AQUA) BRASS CONNECT OF AMERICA, 6700 ENTERPRISE LN., MADISON, MI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. CIRCLES OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CETING.

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

ALPINE ENGINEERED

PHOTOGRAPHY
STATE OF
No. 59687
KENTUCKY
JAN 19 1968

TC LL	20.0 PSF	REF R487 - 1798
TC DL	10.0 PSF	DATE 08/21/06
BC DL	10.0 PSF	DRW HCUR487 0623048

SPACING 24.0"

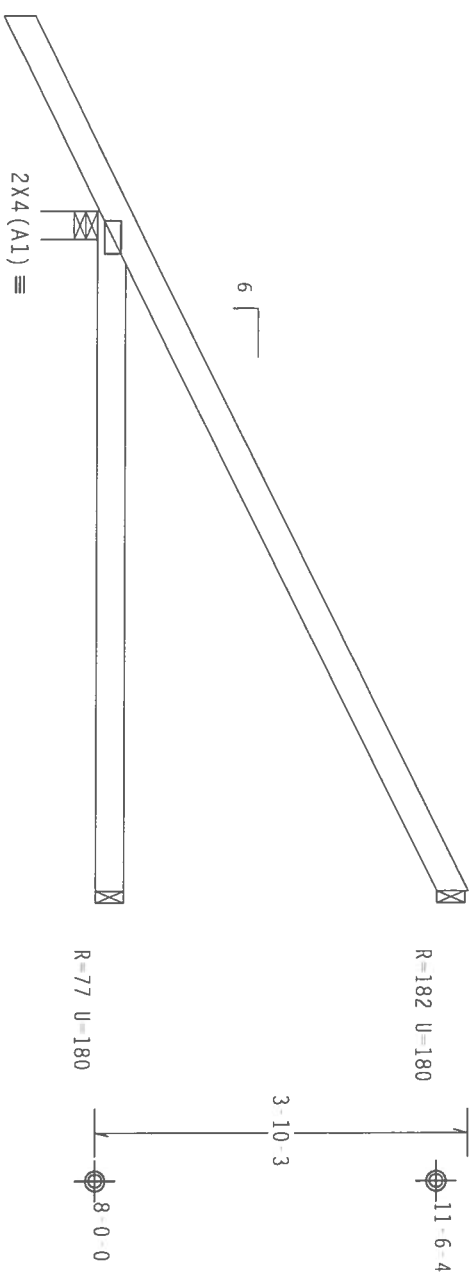
JRFF - 1SZY4A7 202

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

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.

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



FL/14/-/-/R/-

Scale = .5"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
James City, FL 33844
Phone # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), INSTALLED BY THE MANUFACTURER, AND TO THE FOLLOWING: DODGERS, INC., SUITE 200, MADISON, WI 53719) AND WICK (GOOD TRUSS COUNCIL OF AMERICA, GOOD TRUSSES, 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 TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AWS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TP1. ALPINE CONSTRUCTION PLATES ARE MADE OF 2018/16GA (48/54) ASH 6655 GRADE 40/60 (48/54) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11 2002 SEC 3. A SEAL ON THIS DESIGN SHALL BE PLACED ON THE PLATE AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AWS/TP1 1 SEC. 2.

TC LL	20.0 PSF	REF	R487--	1799
TC DL	10.0 PSF	DATE	08/21/06	
BC DL	10.0 PSF	DRW	HCUSR487	06233049
BC LL	0.0 PSF	HC-ENG	DAL/AF	*
TOT.LD.	40.0 PSF	SEQN-	12722	
DUR.FAC.	1.25			
CDACING	24.0"			

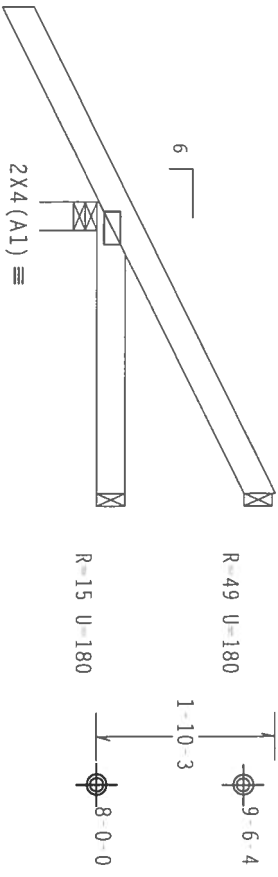
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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.

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.



PLT TYP. Wave

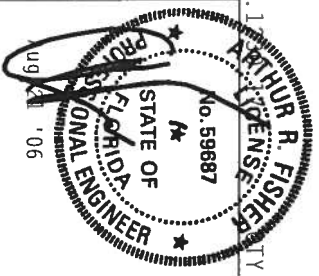
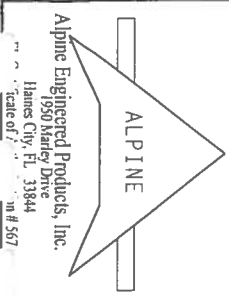
Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

TY:10 FL/-/4/-/R/-

Scale =.5"/ft.

****WARNING**** TRUSSES REQUIRING EXTERIOR GABLE OR FABRICATION, PAINTING, SHIPPING, INSTALLING AND BRACING.
REQUIRE DESIGNER TO PROVIDE PROPER SAFETY IN OPERATION. POSITIONED BY THE TRUSS PLATE INSTITUTE, 500
PIONEER DR. ST. LOUIS, MO 63103. DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS
MAINTAINING AT 5/17/91 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.

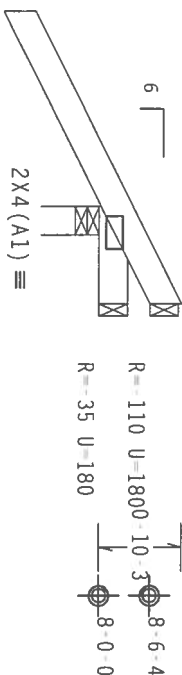
****IMPORTANT**** PROVIDE A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 2010 NATIONAL DESIGN SPEC. (BY AIA) AND TPI. ALPINE
CONNECTION PLATES ARE MADE OF 2010/16GA (4.19/5.7) ASH 6053 GRADE 40/60 (4.19/5.7) 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 PERFORMED AS OF TPI 2002 SEC.3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
DESIGNED BY THE ENGINEER. THE SEALABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.



TC LL	20.0 PSF	REF	R487--	1801
TC DL	10.0 PSF	DATE	08/21/06	
BC DL	10.0 PSF	DRW	HCUSR487	06233051
BC LL	0.0 PSF	HC-ENG	DAL/AF	*
TOT.LD.	40.0 PSF	SEQN-	12720	
DUR.FAC.	1.25			
SPACING	24.0"	JRFF-	1SZYAR7	Z02

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

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



2-0-0
1-0-0 Over 3 Supports

R=361 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

DATE: 12 FL / - / 4 / - / - / R / -

Scale = .5"/ft.

WARNING: THESE TRUCKS REQUIRE EXTERIOR CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO BCCT 1.03 (OBTAINING COMPONENT SAFETY INFORMATION), HANDLED BY IPI (TRUSS FABRIC INSTITUTE, 5832 D'ORVILLE DR., SUITE 200, HANSDEN, MI 48139) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, HANSDEN, MI 48139) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANTS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD CEILING.

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

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HUD (NATIONAL DESIGN SPEC., BY AIRPA) AND TP1

CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRAD. 40/60 (H, K/H,S) GALV. S

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER D

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

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE T

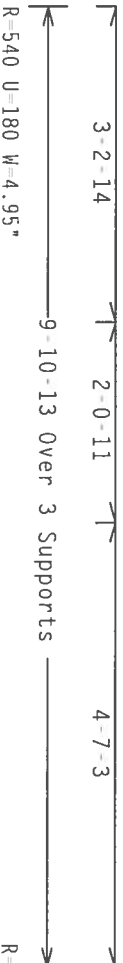
DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE ARCHITECT.

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

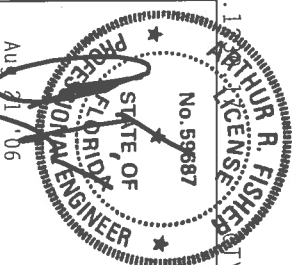
Downloaded from <http://ajphaphysocpharm.sagepub.com/> at 11:01 11 November 2014

12 FL / 4 / - / R / -		Scale = .5" / Ft.
TC LL	20.0 PSF	REF R487 - 1802
TC DL	10.0 PSF	DATE 08/21/06
BC DL	10.0 PSF	DRW HCUR487 06233052
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT.LD.	40.0 PSF	SEQN- 12721
DUR.FAC.	1.25	
SPACING	24.0"	JRFF - 1SZY487 Z02

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



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



Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R487 - 1803
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233053
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT. LD.	40.0 PSF	SEQN-	12794
DUR. FAC.	1.25		
SPACING	24.0"	JRFF-	1SZY487 202

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.


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

QTY:3 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

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AFKPA) AND TPI. ALPINE

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

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

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

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

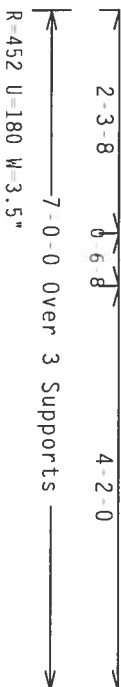
1333

Professional Engineer Seal for Arthur A. Fisher, No. 59887, State of Nevada, dated August 06.

TC LL	20.0 PSF	REF	R487 - 1804
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233054
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN-	12747
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	1SZYAR7 Z02

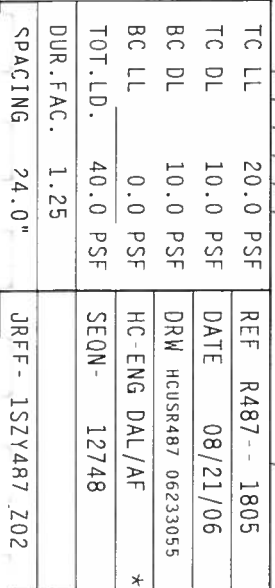
JRFF - 1SZYA87 202

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



Scale = .5" / Ft.

BUILDING DESIGNER FROM ANSI/TP1 1 SEC. 7.



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.



JRFF - 1SZY487 202

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

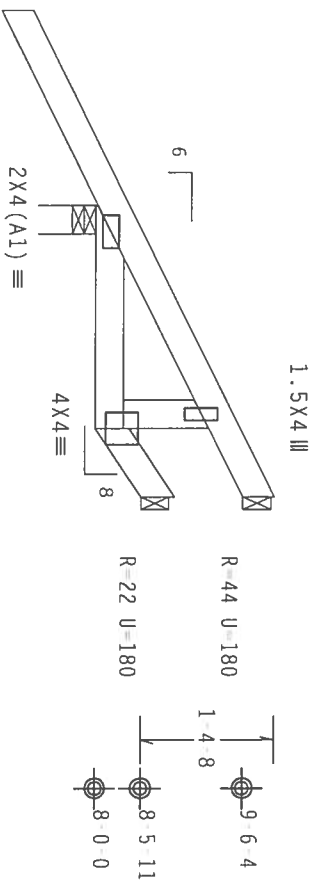
In lieu of structural panels or rigid ceiling use purlins to brace TC
@ 24" OC, BC @ 24" OC.

Shim all supports to solid bearing.

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.

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



2-0-0

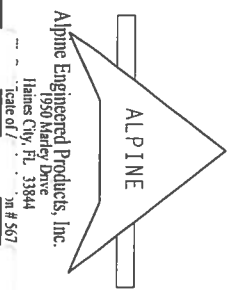
2-3-8
3-0-0 Over 3 Supports
R=318 U=180 W=3.5"

PLT TYP. Wave

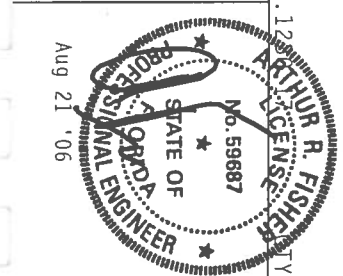
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.12 R. FISHCAMP

Scale = .5"/ft.



****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
THIS TRUSS IS DESIGNED FOR THE FOLLOWING CONDITIONS: 1. UNIFORM DEAD LOAD OF 10 PSF. 2. UNIFORM LIVE LOAD OF 20 PSF. 3. WIND LOADS AS PER ASCE 7-02. 4. ALL CONNECTIONS ARE TO BE MADE IN ACCORDANCE WITH THE TRUSS MANUFACTURER'S INSTRUCTIONS. 5. THE TRUSS SHALL BE PROPERLY ATTACHED TO THE STRUCTURE AND THE 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 ACCORDANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AREA AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE SPECIFIED, POSITION PER DRAWINGS 100A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA AS OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER AREA/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R487-- 1807
TC DL	10.0 PSF	DATE 08/21/06
BC DL	10.0 PSF	DRW HCUSR487 06233057
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT.LD.	40.0 PSF	SEQN- 12746
DUR.FAC.	1.25	
SPACING	24.0"	JRFF- 1SZYAR7 202

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

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

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 7.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00
BC - 438 LB Conc. Load at 0.06, 2.06, 4.06
BC - 433 LB Conc. Load at 6.06

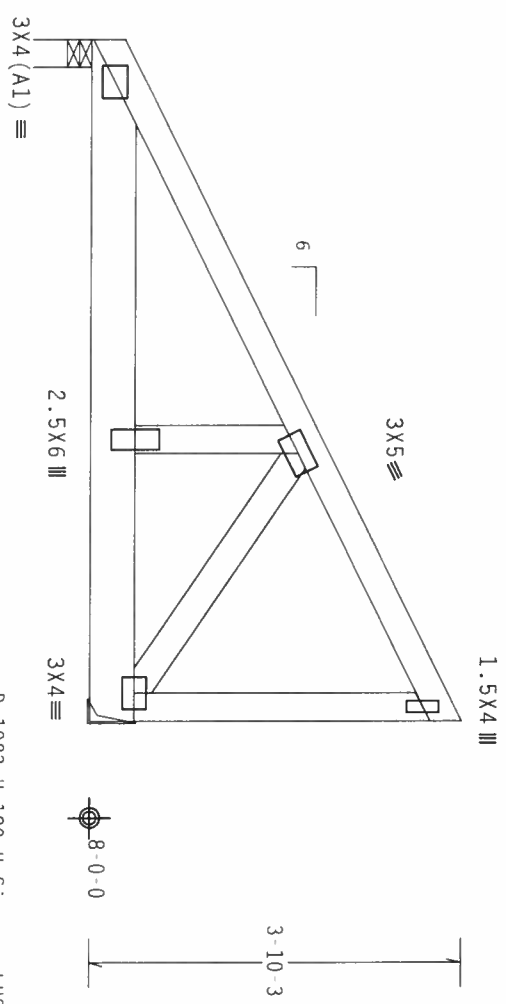
SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 7.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00
BC - 438 LB Conc. Load at 0.06, 2.06, 4.06
BC - 433 LB Conc. Load at 6.06

Right end vertical not exposed to wind pressure.

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

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



R=1023 U=180 H=Simpson LUS26
W/ (4) 10d Common, 0.148"x3.0" nails in Truss
W/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1) 2X6 min. So. Pine

7-0-0 Over 2 Supports
R=1300 U=180 W=3.5"

PLT TYP. Wave

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

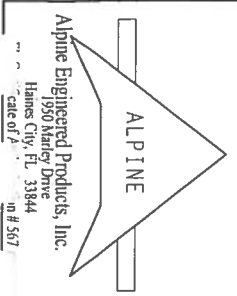
FL/-/4/-/R/-

Scale =.5"/ft.

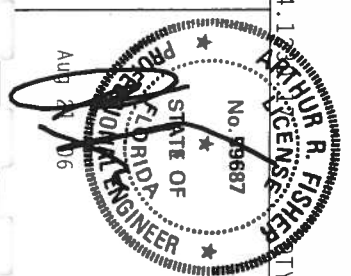
WARNING TRUSS REQUIRE EXTERIOR CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSS DESIGNER SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI. OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 2002 INTERNATIONAL DESIGN SPEC. BY AIA/PAI AND TPI. ALPINE CONSTRUCTION PLANS ARE MADE OF 20/19/16GA (40/35/21) ASIM A653 GRADE 40/60 (W, E/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OR TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER AMER/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 2002 INTERNATIONAL DESIGN SPEC. BY AIA/PAI AND TPI. ALPINE CONSTRUCTION PLANS ARE MADE OF 20/19/16GA (40/35/21) ASIM A653 GRADE 40/60 (W, E/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OR TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER AMER/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
Haines City, FL 33844
Phone # 888-557-5571
Fax # 888-557-5572



TC LL	20.0 PSF	REF	R487 - 1808
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233039
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN	12797
DUR.FAC.	1.25		
SPACING	24.0"	JRFF	1SZYAR7 202

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

Gable end supports 8" max rake overhang.

Stacked top chord must NOT be notched or cut in area (NNL).

top chord (SC) to dropped top chord in notchable area using 3x4 tie plates 24" o.c. Center plate on stacked/dropped chord

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



Design Crit: TPI-2002(STD)/FBC

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

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

Scale = .5" / Ft.

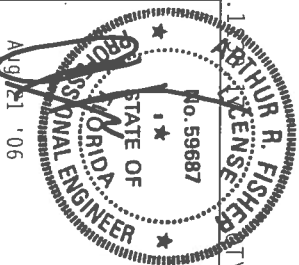
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

DESIGN COMBINE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND UPL CONNECTOR PLATES ARE MADE OF 304/18/6/304 (316/18/6/316) A16M A272 GRADE 304/316 OR 304/316 A16M A272 GRADE 304/316.

CONSTRUCTION MATERIALS AND MODE OF CONSTRUCTION SHALL BE AS FOLLOWS: (a) 100% ASPHALT ROAD SURFACE, 100% GALV. STEEL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITIONING PER DRAWINGS. APPA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11 2002 SEC.3. A SEAL ON THIS

1950 Marley Drive
Maines City, FL 33844

Scale of 1 in # 567



2 FL / 4 / - / R / -		Scale = .5" / Ft.
TC LL	20.0 PSF	REF R487 - 1809
TC DL	10.0 PSF	DATE 08/21/06
BC DL	10.0 PSF	DRW HCUSR487 06233058
BC LL	0.0 PSF	HC-ENG DAL/AF
TOT. LD.	40.0 PSF	SEON- 12809
DUR. FAC.	1.25	
SPACING	24.0"	JREF - 1SZYAR7 Z02

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.

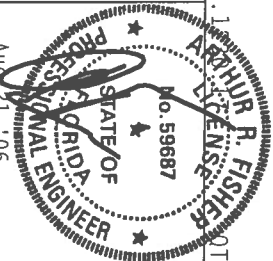

$$Cq/RT=1.00(1.25)/10(0)$$

Scale = .5"/Ft.

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

Alpine Engineered Products, Inc.

1950 Marley Drive
Haines City, FL 33844
Scale of A-1 on #567



FL / 4- / - / R /		Scale = .5" / Ft.
TC LL	20.0 PSF	REF R487 - 1810
TC DL	10.0 PSF	DATE 08/21/06
BC DL	10.0 PSF	DRW HCUR487 06233059
BC LL	0.0 PSF	HC-ENG DAL/AF *
TOT. LD.	40.0 PSF	SEON- 12717
DUR. FAC.	1.25	
SPACING	24.0"	JRF - 1SZY487 Z02

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.



Cq/RT=1.00(1.25)/10(0) 7.24.13

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

Scale = .5" / Ft.

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

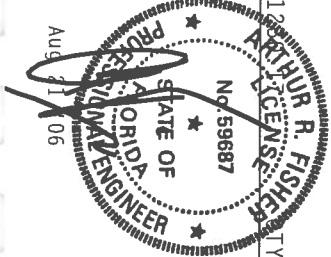
CONCRETE PLATES IN THE RANGE OF 20Y/18/TM6 AS PER ASTM A953 GRADE 60/60 (M. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF THUS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-Z.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF ITPI 2002 SEC-3

A SEAL ON THIS

DRAWING INDICATES SEVERAL MORE IDENTICAL PARTS

1930 Marley Drive
Haines City, FL 33844
Telephone #567



TC LL	20.0 PSF	REF	R487 - 1811
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233060
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN -	12739
DUR.EAC.	1.25		
SPACING	24.0"	JRFF -	1SZYAR7 Z02

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.



7.24

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

Scale = .5"/Ft.

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

RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN:
OR FABRICATING, HANDLING, SHIPPING, INSTALL

ALL PROVISIONS OF MDS (NATIONAL DESIGN SPEC., BY AF

20/18/160A (W.11/5/K) 51TH A653 GRADE. 40/60 (W. K/

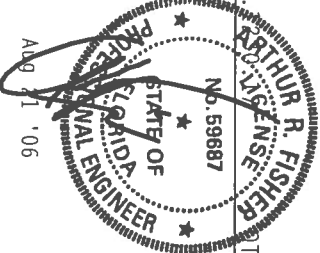
AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, PROVIDED BY (1) SHALL BE FOR A PERIOD OF 1011-2003 ET

OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOURCE

ITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS

011 SEC. 2.

~~Aug 31 '06~~

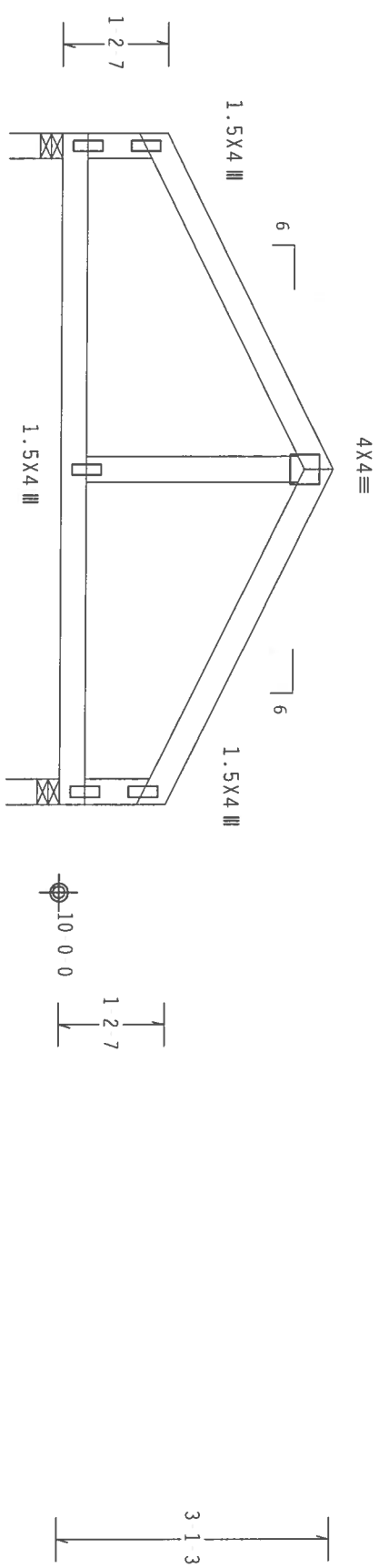
[illegible]

TC LL	20.0 PSF	REF	R487 - 1812
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233061
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN -	12718
DUR.FAC.	1.25		
SPACING	24.0"	JRFF -	1SZY487 Z02

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.
Fasten rated sheathing to one face of this frame.

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)/10(0)

ARTHUR R. FISHER
FLORIDA
PROFESSIONAL ENGINEER
No. 59687
9 21 '06

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

Scale = .5"/Ft.

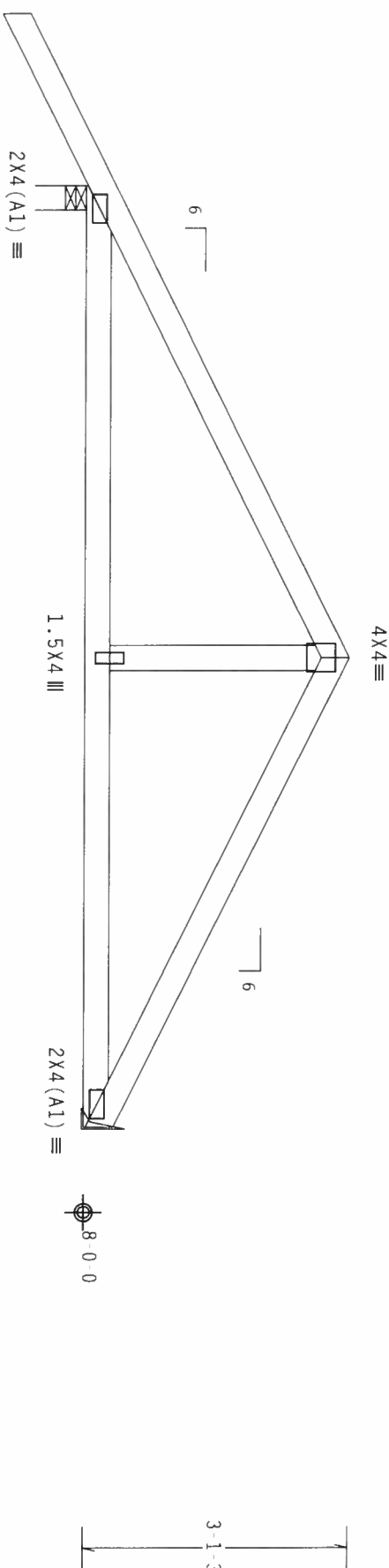
ALPINE	TC LL	20.0 PSF	REF R487 - 1813
ALPINE Engineered Products, Inc.	TC DL	10.0 PSF	DATE 08/21/06
1950 Marney Drive	BC DL	10.0 PSF	DRW HCUR487 06233062
Haines City, FL 33844	BC LL	0.0 PSF	HC-ENG DAL/AF
Date of /	TOT.LD.	40.0 PSF	SEQN- 12738
no # 567	DUR.FAC.	1.25	
	SPACING	24.0"	JRFF- 1SZY487 202

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

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



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

[illegible]

Alpine Engineered Products, Inc.

Haines City, FL 33844
 Scale of / on # 567

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

ALPINE ENGINEERED

1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACI

MG OF TRUSSES.

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

TELL
APPLY

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

A SEAL ON THIS

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

ABILITY OF THE

[illegible]

R-438 U180 H=Simson U24		Girder is (1)2x6 min. So Pine	Scale = 5"
w/ (2) 10d. 0.148"x1.5" nails in Truss			
w/ (4) 10d Common, 0.148"x3.0" nails in Girder			
Girder is (1)2x6 min. So Pine			
QTY: 3		FL/-4/-/-R/-	
TC LL	20.0 PSF	REF	R487--
TC DL	10.0 PSF	DATE	08/
BC DL	10.0 PSF	DRW	HCUSR487
BC LL	0.0 PSF	HC-ENG	DAL/
TOT. LD.	40.0 PSF	SEQN-	128
DUR. FAC.	1.25		
SPACING	24.0"	UREF-	1SZY4

Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R487 -	1814
TC DL	10.0 PSF	DATE	08/21/06	
BC DL	10.0 PSF	DRW	HCUSR487 06233038	
BC LL	0.0 PSF	HC-ENG	DAL/AF *	
TOT.LD.	40.0 PSF	SEQN-	12800	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SZY487 Z02	

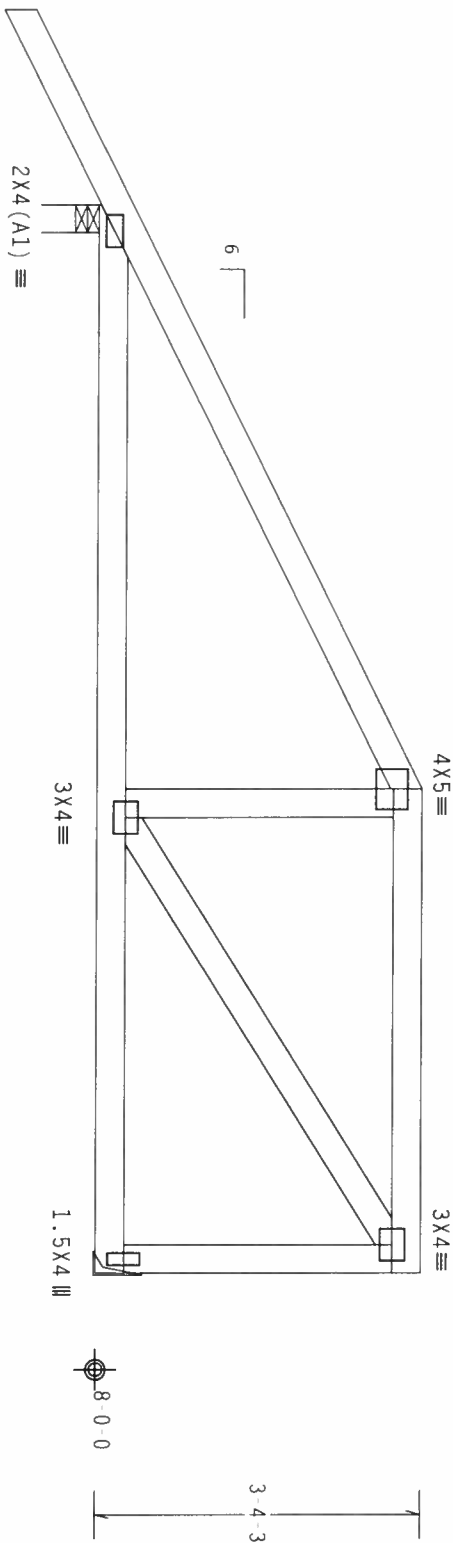
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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.



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.

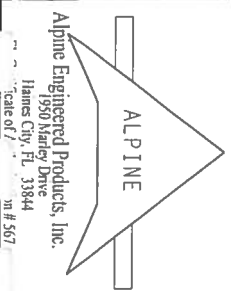
WARNING TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1.03 (BUILDING COMPONENT SAFETY INFORMATION), POINTS TO REMEMBER FOR THE FABRICATOR, AND BCSE 1.04 (BUILDING COMPONENT SAFETY INFORMATION), POINTS TO REMEMBER FOR THE INSTALLER. THE FABRICATOR AND INSTALLER SHALL BE RESPONSIBLE FOR THE PROPER HANDLING, SHIPPING, INSTALLING AND BRACING OF THE TRUSSES. THE FABRICATOR 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.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 2018/10/24 (W/5/5/5) ASH A653 GRAD 40/60 (W/ K/H/5) GAY. STEEL APPLY PLATES TO EACH FACE OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A Z.

THE FABRICATOR OF PLATES SHALL BE RESPONSIBLE FOR THE PROPER HANDLING, SHIPPING, INSTALLING AND BRACING OF THE TRUSSES. THE FABRICATOR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

THE FABRICATOR OF PLATES SHALL BE RESPONSIBLE FOR THE PROPER HANDLING, SHIPPING, INSTALLING AND BRACING OF THE TRUSSES. THE FABRICATOR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



R=433 U=180 H=Simpson LU24
W/ (2) 10d, 0.148"x1.5" nails in Truss
W/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1) 2x6 min. So.Pine

TC LL	20.0 PSF	REF	R487 - 1815
TC DL	10.0 PSF	DATE	08/21/06
BC DL	10.0 PSF	DRW	HCUSR487 06233037
BC LL	0.0 PSF	HC-ENG	DAL/AF *
TOT.LD.	40.0 PSF	SEQN	12803
DUR.FAC.	1.25		
SPACING	24.0"	JRFF	1SZY487 202

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

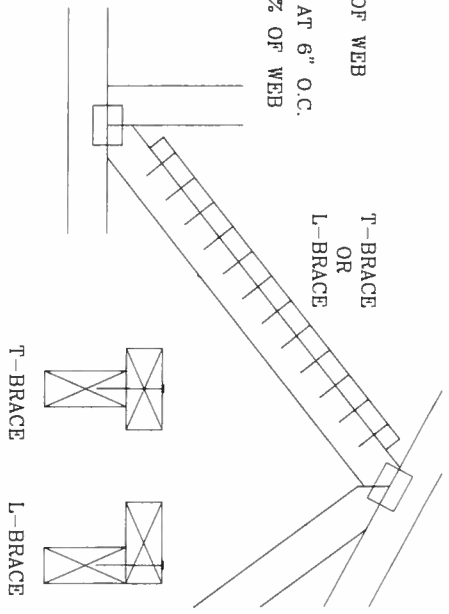
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

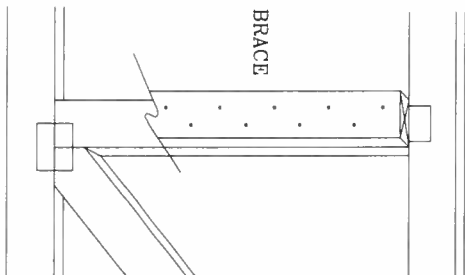
T-BRACING
OR
L-BRACING:

APPLY TO EITHER SIDE OF WEB
NARROW FACE
ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB
MEMBER LENGTH



SCAB BRACING:

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



THIS DRAWING REPLACES DRAWING 579,640

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST-1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI) CONCERNING PROTECTIVE TREATMENT, STORAGE, AND SHIPMENT. DO NOT REMOVE OR DESTROY ANY OF THE TRUSS IDENTIFICATION MARKS OR TAGS. THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL BE PROPERLY ATTACHED TO THE TRUSS STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

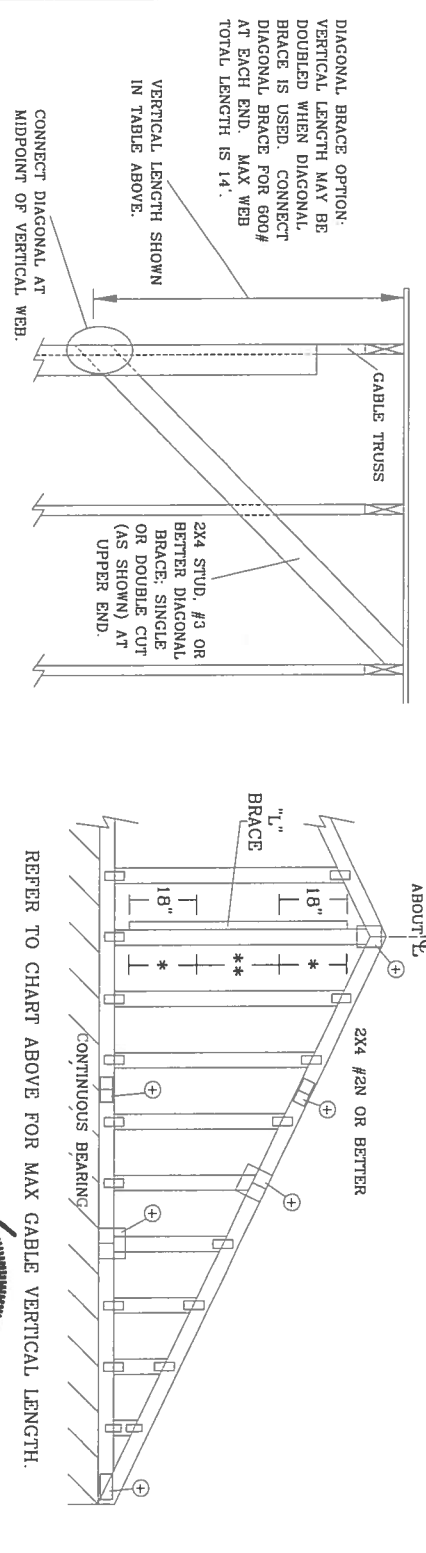
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONDUCTORS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR WOOD CONSTRUCTION) AND AIAA (AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS) SHALL BE PER ANNEX A3 OF TPI-1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

THIS DRAWING REPLACES DRAWING 579,640

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRCBLSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

ASCE 7-02: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

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



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

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C.
IN 16" END ZONES AND 4' O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C.
IN 16" END ZONES AND 6' O.C. BETWEEN ZONES.
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

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

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.
PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).
GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGNING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS MANUFACTURERS ASSOCIATION (TMA) FOR THE LATEST DESIGN PRACTICES. THE TRUSS MANUFACTURERS ASSOCIATION (TMA) IS THE ONLY SOURCE FOR THE LATEST DESIGN PRACTICES. THE TRUSS MANUFACTURERS ASSOCIATION (TMA) IS THE ONLY SOURCE FOR THE LATEST DESIGN PRACTICES.

IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF THE TRUSS, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE TRUSS MANUFACTURERS ASSOCIATION (TMA) IS THE ONLY SOURCE FOR THE LATEST DESIGN PRACTICES.

40/60 C/W/HSD GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DRAWINGS 1609-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANNEK A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

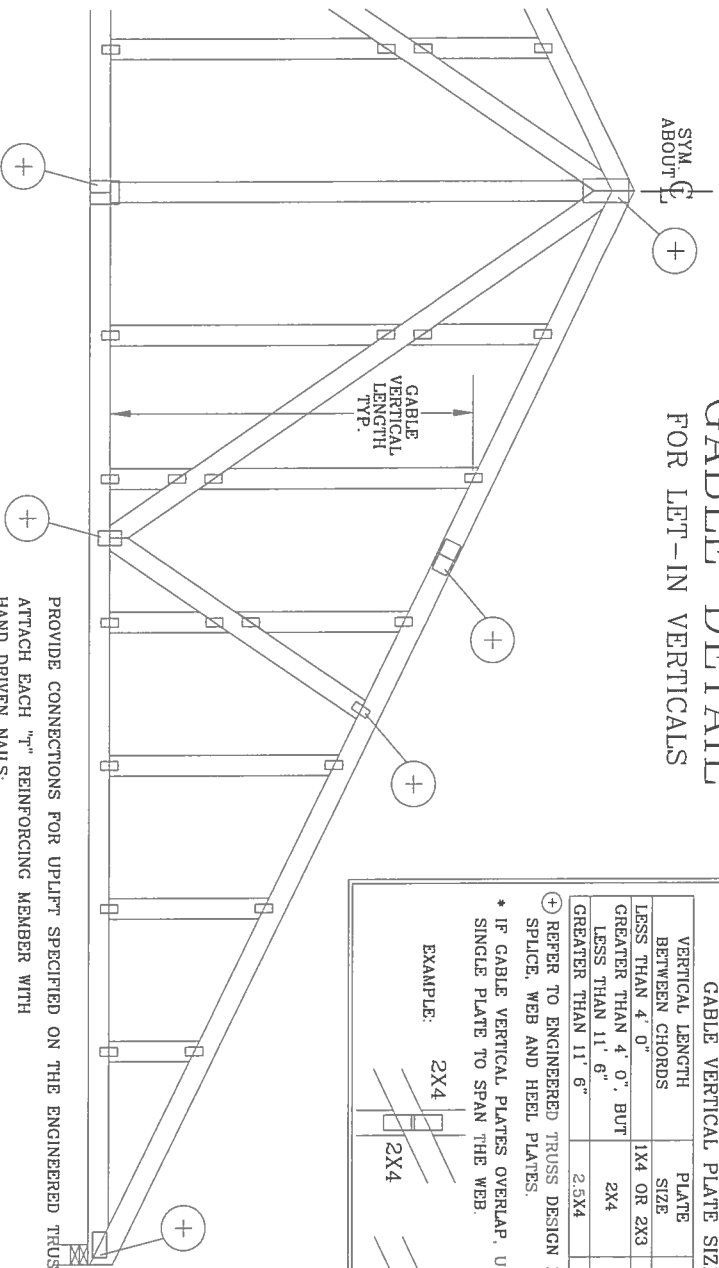
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DATE 04/15/05

DRWG A11015EE0405

ENG

CABLE DETAIL FOR LET-IN VERTICALS

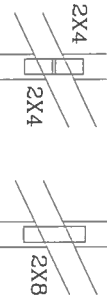


VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X6
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X6
GREATER THAN 11' 6"	2.5X4	2.5X6

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

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

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" 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 SBCI WIND LOAD.

- ASCE 7-93 GABLE DETAIL DRAWINGS:
 A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
 A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
 ASCE 7-98 GABLE DETAIL DRAWINGS:
 A13015EC1103, A12015EC1103, A11015EC1103, A08515EC1103
 A13030EC1103, A12030EC1103, A11030EC1103, A08530EC1103
 ASCE 7-02 GABLE DETAIL DRAWINGS:
 A13015ED0405, A12015ED0405, A11015ED0405, A08515ED0405, A07015ED0405
 A13030ED0405, A12030ED0405, A11030ED0405, A08530ED0405, A07030ED0405

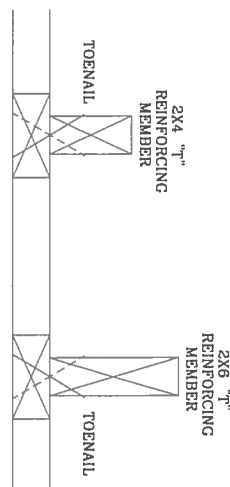
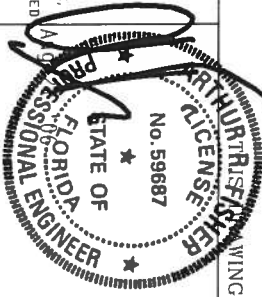
SEE APPROPRIATE ALPINE CABLE DETAIL (ASCE OR SBCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO BEST 1-93 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 DUNDRIE DR., SUITE 200, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS NATIONAL DESIGN SPEC. BY AISC AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA C/V/H/S/45 ASTA A653 GRADE 40/60 C/V/H/S. GALV STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK 43 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN. THE SEAL IS THE RESPONSIBILITY OF THE TRUSS COMPONENT DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA



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

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

WEB LENGTH INCREASE W/ "T" BRACE

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

EXAMPLE:
 ASCE WIND SPEED = 100 MPH
 MEAN ROOF HEIGHT = 30 FT
 GABLE VERTICAL = 24' O.C. SP #3
 "T" REINFORCING MEMBER SIZE = 2X4
 "T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
 (1) 2X4 "L" BRACE LENGTH = 6' 7"
 MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
 1.10 x 6' 7" = 7' 3"

WIND REPLACES DRAWINGS GAB98117 876.719 & HC26294035

MAX TOT. LD. 60 PSF	REF LET-IN VERT
DUR. FAC. ANY	DATE 04/14/05
MAX SPACING 24.0"	DRWG GBLTIN0405
	-ENG DLJ/KAR