

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:1SZK487-Z0207131822

Truss Fabricator: Anderson Truss Company
Job Identification: 6-297--Mack Robinson Constructio Register -- , **
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
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed



Seal Date: 08/07/2006

-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

Notes:

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

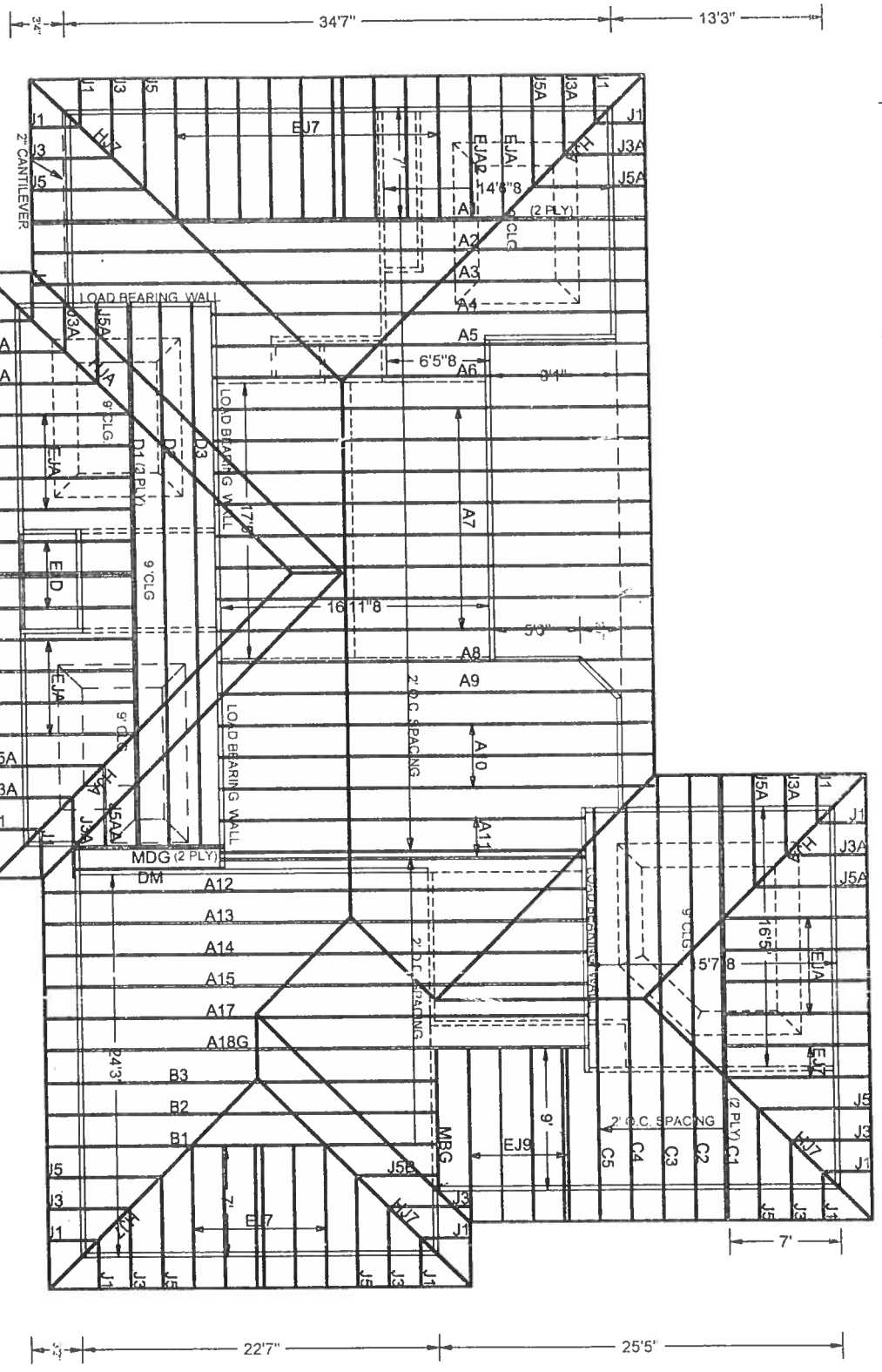
Details: BRCLBSUB-CNBRGBLK-

#	Ref	Description	Drawing#	Date
1	79075--A1		06219061	08/07/06
2	79076--A2		06219047	08/07/06
3	79077--A3		06219048	08/07/06
4	79078--A4		06219025	08/07/06
5	79079--A5		06219049	08/07/06
6	79080--A6		06219050	08/07/06
7	79081--A7		06219051	08/07/06
8	79082--A8		06219052	08/07/06
9	79083--A9		06219053	08/07/06
10	79084--A10		06219026	08/07/06
11	79085--A11		06219054	08/07/06
12	79086--A12		06219027	08/07/06
13	79087--A13		06219028	08/07/06
14	79088--A14		06219029	08/07/06
15	79089--A15		06219030	08/07/06
16	79090--A17		06219031	08/07/06
17	79091--A18G		06219069	08/07/06
18	79092--B1		06219062	08/07/06
19	79093--B2		06219055	08/07/06
20	79094--B3		06219056	08/07/06
21	79095--C1		06219063	08/07/06
22	79096--C2		06219032	08/07/06
23	79097--C3		06219033	08/07/06
24	79098--C4		06219034	08/07/06
25	79099--C5		06219035	08/07/06
26	79100--D1		06219064	08/07/06
27	79101--D2		06219057	08/07/06
28	79102--D3		06219058	08/07/06
29	79103--DM		06219036	08/07/06
30	79104--HJ7		06219065	08/07/06
31	79105--EJ7		06219037	08/07/06
32	79106--EJ9		06219059	08/07/06
33	79107--HJA		06219066	08/07/06
34	79108--EJA		06219038	08/07/06
35	79109--EJA2		06219039	08/07/06
36	79110--J3A		06219040	08/07/06

#	Ref	Description	Drawing#	Date
37	79111--EJD		06219041	08/07/06
38	79112--MDG		06219067	08/07/06
39	79113--MBG		06219068	08/07/06
40	79114--J5		06219042	08/07/06
41	79115--J5A		06219043	08/07/06
42	79116--J5AA		06219044	08/07/06
43	79117--J5B		06219045	08/07/06
44	79118--J3		06219046	08/07/06
45	79119--J1		06219060	08/07/06



149'8" 200'8" 212" 4'1"



#6-297 MACK ROBINSON - REGISTER

Scale: 3/32" = 1'

123" 147" 6" 139" 261" 8/7/06

Top chord 2x6 SP #2 Dense : T2, T3 2x6 SP #1 Dense:
 Bot chord 2x6 SP #1 Dense : B4 2x6 SP #2:
 Webs 2x4 SP #3

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

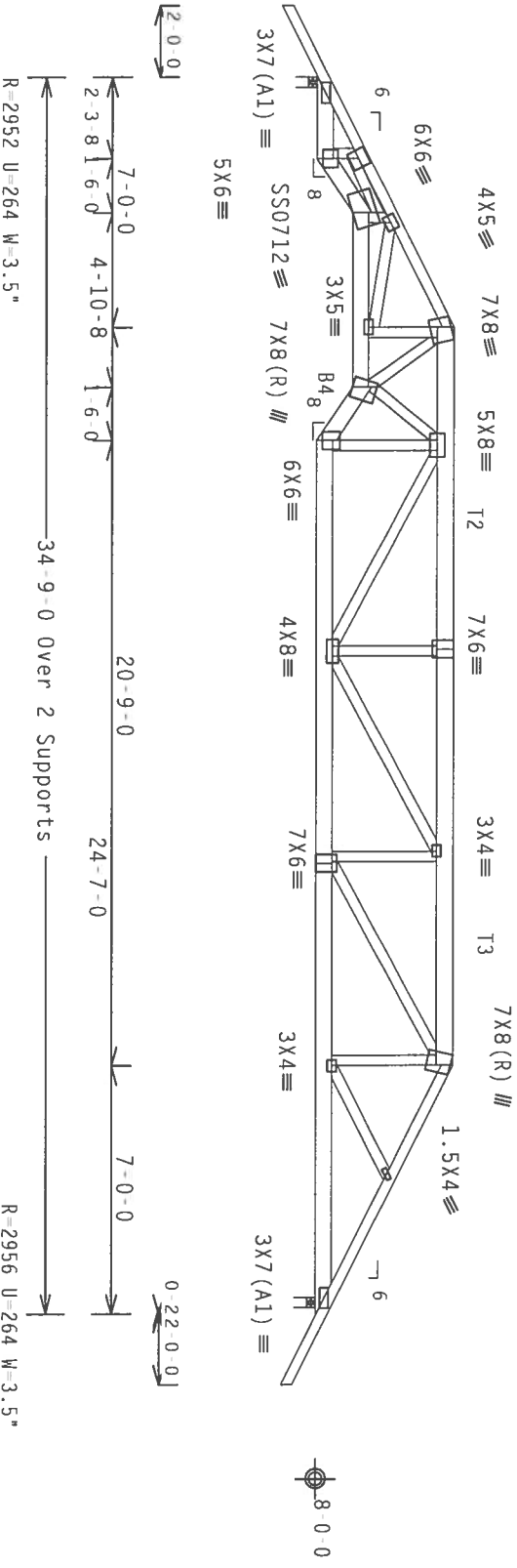
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

2 COMPLETE TRUSSES REQUIRED

Nailling 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.

#1 hip supports 7-0-0 jacks W/2 panel TC and no end vert.

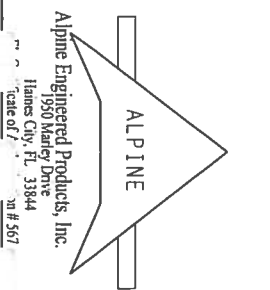


PLT TYP. 18 Gauge HS,Wave

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

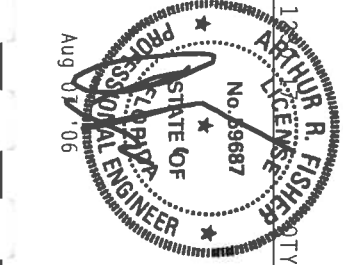
FL/-/4/-/R/-

Scale = .1875"/Ft.



ALPINE
 Alpine Engineered Products, Inc.
 Haines City, FL 33844
 State of / No #567

IMPORTANT** Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to best 1:10 detailing companion safety information. Responsibility for proper erection and safety of the structure shall rest with the contractor. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities.

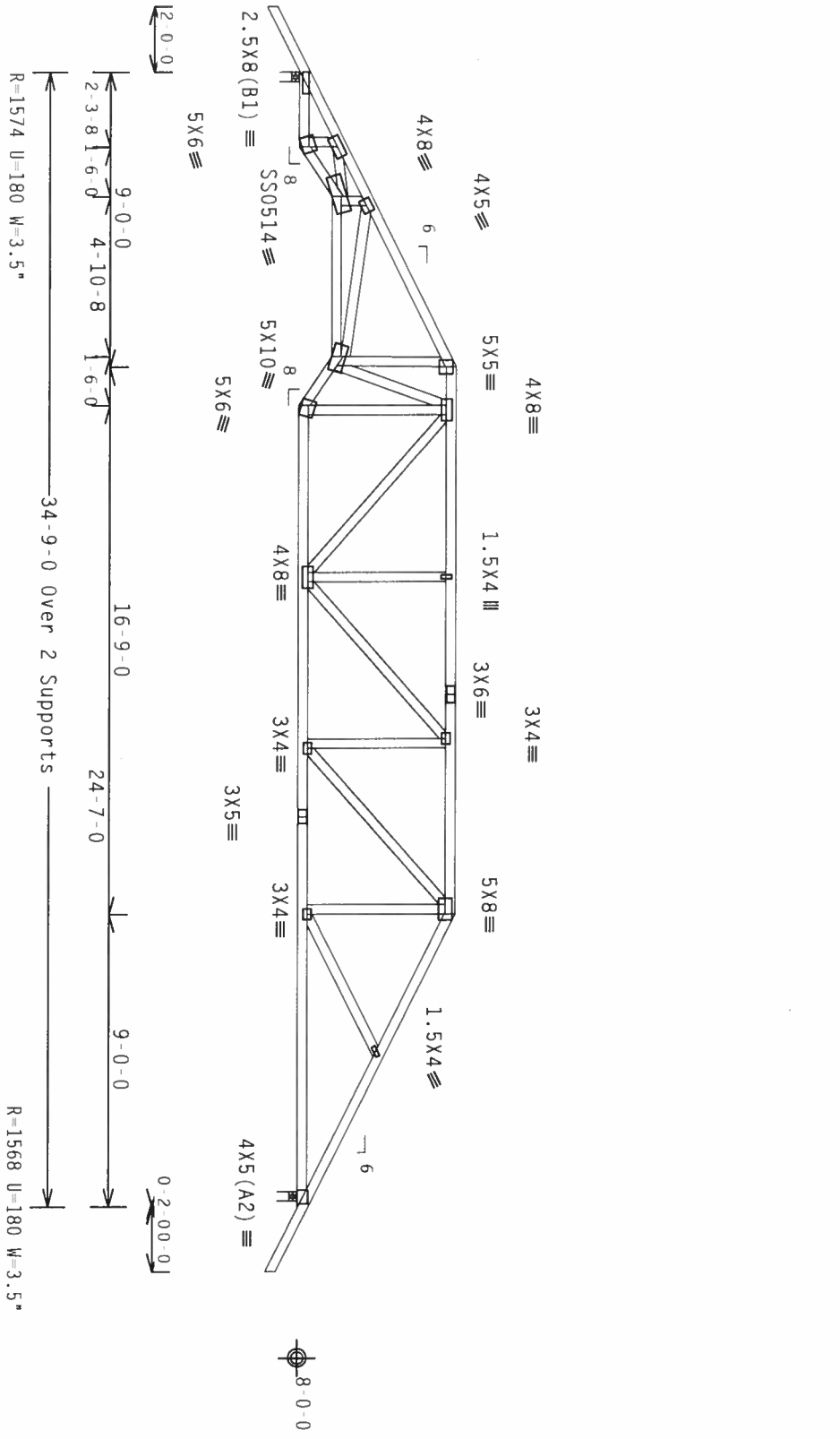


TC LL	20.0 PSF	REF R487-79075
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUR487 06219061
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON-11955
DUR.FAC.	1.25	
SPACING	24.0"	JREF-1SZK487 202

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

Calculated horizontal deflection is 0.10" due to live load and 0.16" 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.
 In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



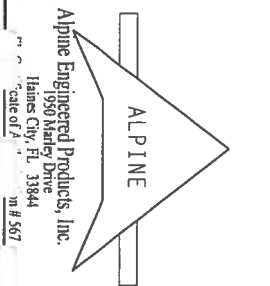
PLT TYP. 18 Gauge HS, Wave

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

ARTHUR R. FISHER
 REGISTERED PROFESSIONAL ENGINEER
 No. 59687
 STATE OF FLORIDA
 August 11, 2006

FL/-/4/-/R/-

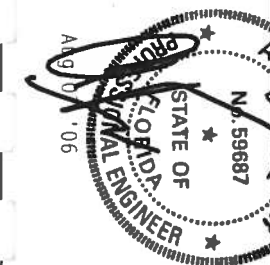
Scale = .1875"/ft.



ALPINE
 Alpine Engineered Products, Inc.
 1950 Manley Drive
 Gaines City, FL 33844
 In # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO PAGE 1 OF ACCOMPANYING COMMON SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTALLATION, 580 D'ONOFRIO DR., SUITE 200, HAOUSON, MI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BL, HADISON, 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 WCA (NATIONAL DESIGN SPEC. BY AIA/A) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W/1/2) ASH ASS3 GRADE 40/60 (W. K/P/S) GALV. STEEL. APPLY WITH INTERLOCKING FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS FROM 2. AND 3. ALL SPECIFICATIONS AND DIMENSIONS SHALL BE IN ACCORDANCE WITH THE 2002 SECTION FOR THE TRUSS ON THIS DRAWING. THE ACCEPTANCE OF PROFESSIONAL ENGINEER'S RESPONSIBILITY FOR THE DESIGN OF THIS COMPONENT BUILDING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER'S RESPONSIBILITY FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

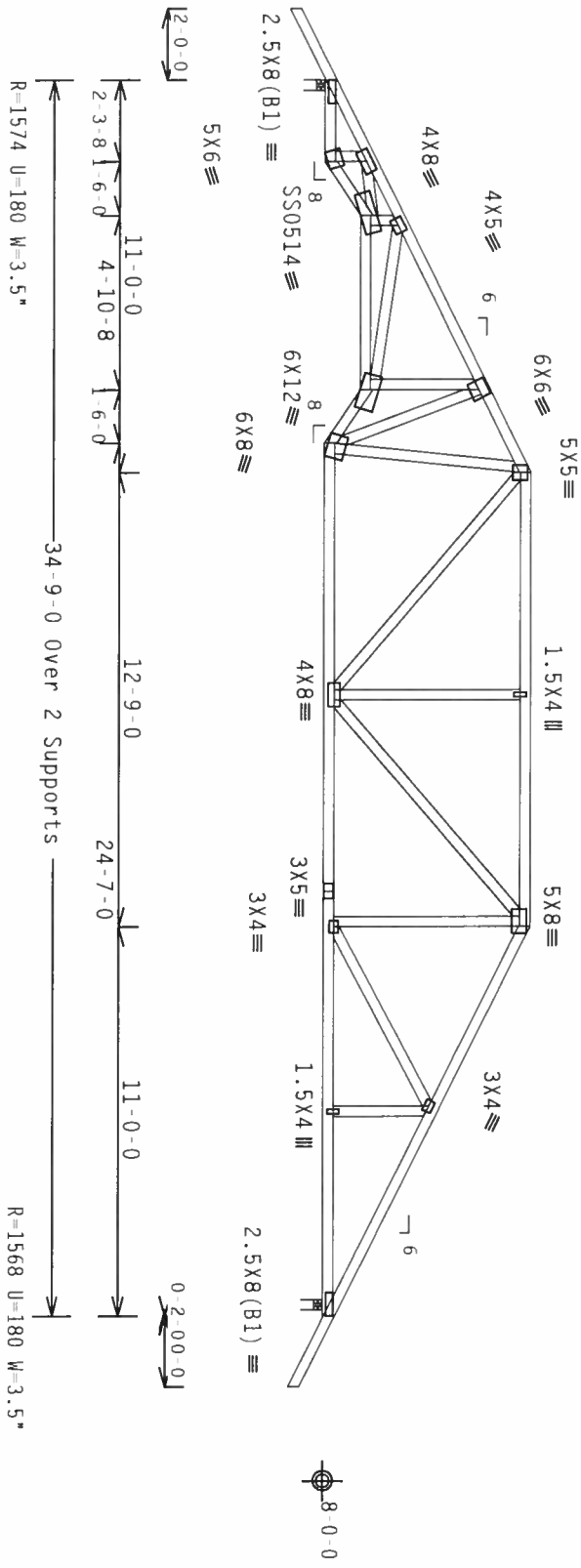


TC LL	20.0 PSF	REF R487 -- 79076
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUR487 06219047
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 11912
DUR.FAC.	1.25	
SPACING	24.0"	JRF - 1SK487 202

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

Calculated horizontal deflection is 0.11" due to live load and 0.17" 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.
 In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



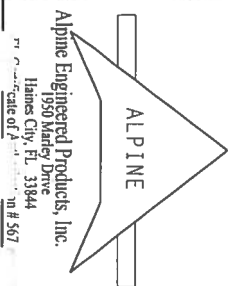
PLT TYP. 18 Gauge HS, Wave

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

7.24.1

FL/-/4/-/R/-

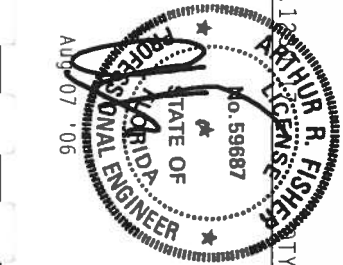
Scale = .1875"/ft.



ALPINE
 Alpine Engineered Products, Inc.
 1950 Marley Drive
 Haines City, FL 33984
 Phone: 888-253-5677
 Fax: 888-253-5677

****FABRICATION**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR BUILDING COMMON SAFETY INFORMATION, PUBLISHED BY TPI, AND THE TPI DESIGN MANUAL FOR TRUSS DESIGN. THE TPI DESIGN MANUAL IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. THE TPI DESIGN MANUAL IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. THE TPI DESIGN MANUAL IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TPI DESIGN CRITERIA OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IS THE RESPONSIBILITY OF THE CONTRACTOR. THE TPI DESIGN CRITERIA ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. THE TPI DESIGN CRITERIA ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. THE TPI DESIGN CRITERIA ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER.



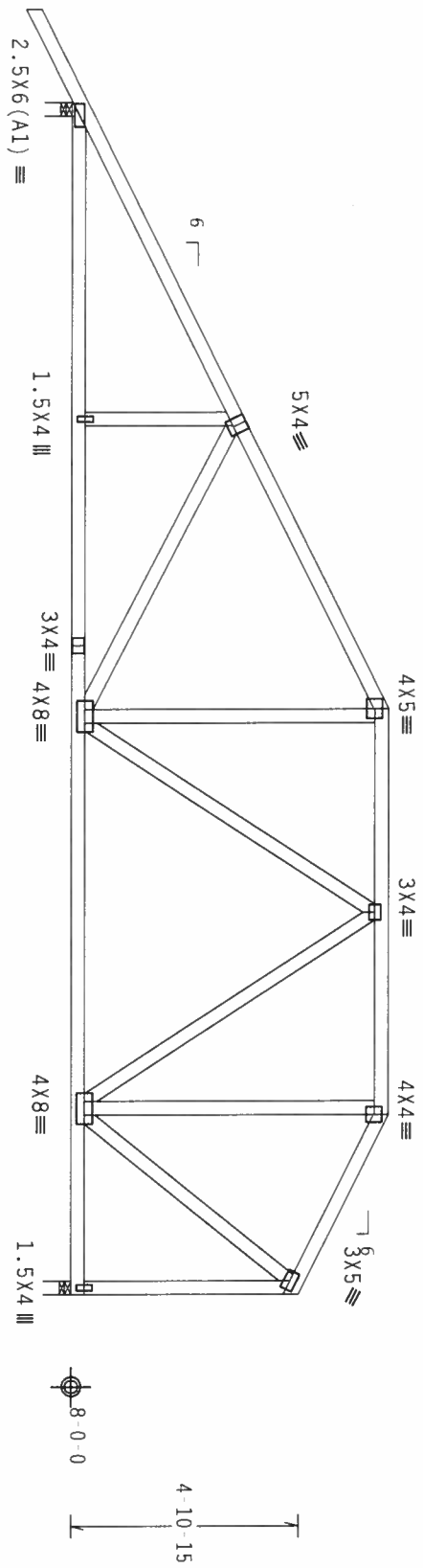
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TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUR487 06219048
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 11913
DUR. FAC.	1.25	
SPACING	24.0"	JRFF- 1SZK4R7 202

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.

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

Right end vertical not exposed to wind pressure.
 Deflection meets L/240 live and L/180 total load. Creep increase
 factor for dead load is 1.50.



PLT TYP. Wave

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

7.24.12

FL/-/4/-/R/-

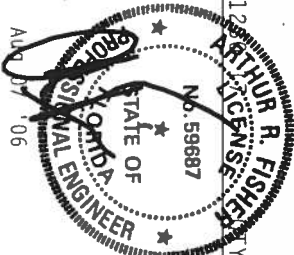
Scale = .25" /ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS SHALL BE PROTECTED FROM DAMAGE DURING TRANSPORT AND STORAGE. THE TRUSS SHALL BE STORED ON A FLAT SURFACE AND SHALL NOT BE EXPOSED TO EXCESSIVE WIND OR RAIN. THE TRUSS SHALL BE PROTECTED FROM DAMAGE DURING TRANSPORT AND STORAGE. THE TRUSS SHALL BE STORED ON A FLAT SURFACE AND SHALL NOT BE EXPOSED TO EXCESSIVE WIND OR RAIN. THE TRUSS SHALL BE PROTECTED FROM DAMAGE DURING TRANSPORT AND STORAGE. THE TRUSS SHALL BE STORED ON A FLAT SURFACE AND SHALL NOT BE EXPOSED TO EXCESSIVE WIND OR RAIN.

****IMPORTANT**** THE USER SHALL BE RESPONSIBLE FOR THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE USER. THE USER SHALL BE RESPONSIBLE FOR THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE USER. THE USER SHALL BE RESPONSIBLE FOR THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE USER.

ALPINE

Alpine Engineered Products, Inc.
 1950 Meyer Drive
 Gaines City, FL 33884
 Tel: 813-381-5677
 Fax: 813-381-5678
 Email: sales@alpinepe.com

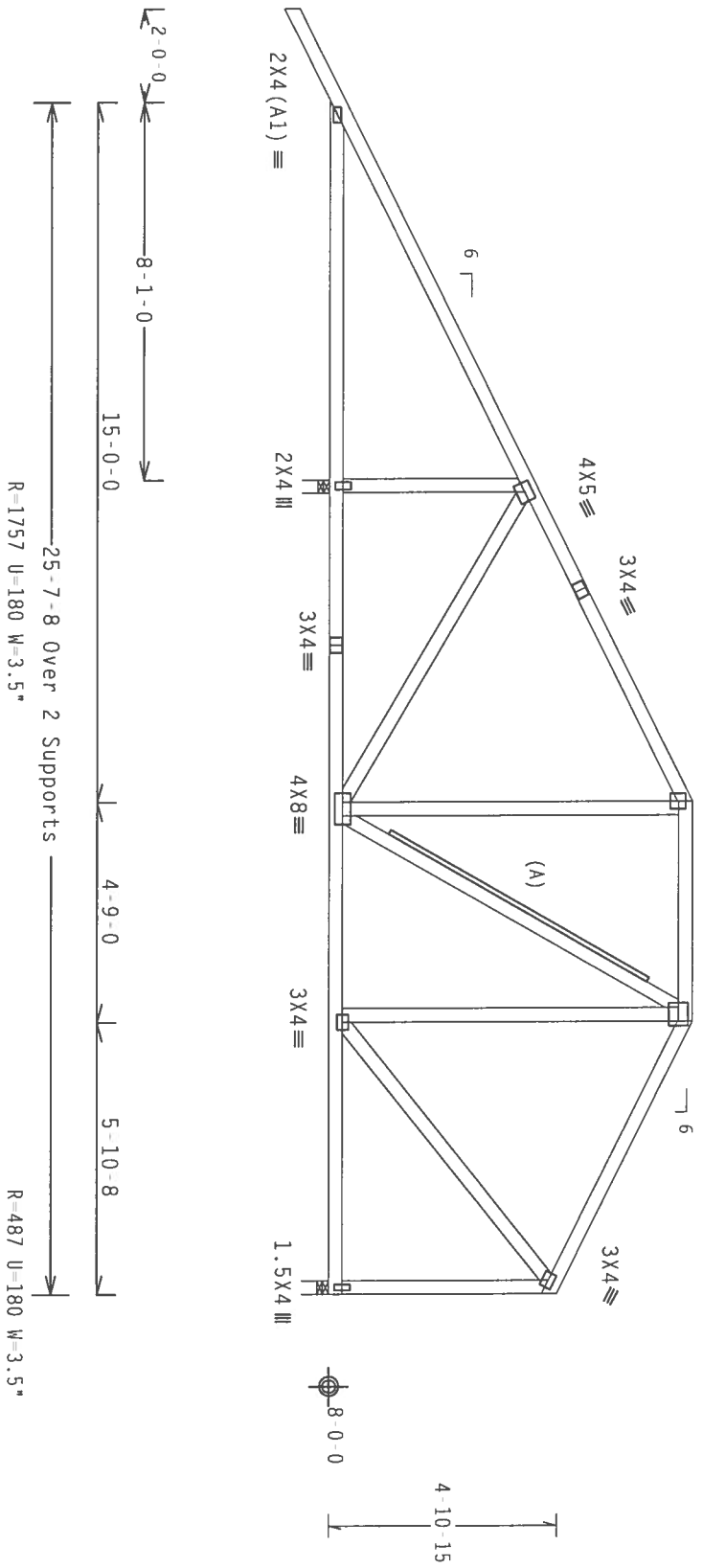


TC LL	20.0 PSF	REF R487 - 79078
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUR487 06219025
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 11936
DUR. FAC.	1.25	
SPACING	24.0"	JRFF- 1SZK487 Z02

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

(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.

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)

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

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

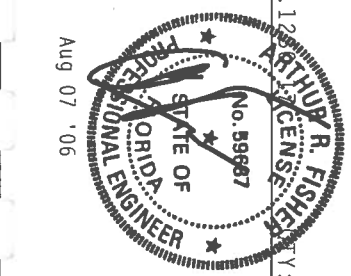
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****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. BEARING CAPACITY OF TRUSSES SHALL BE DETERMINED BY THE MANUFACTURER. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE USER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONNECTIONS. THE USER 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. 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 THE NATIONAL DESIGN SPEC. BY AIAA AND TPI. APPLICABLE CONNECTIONS ARE MADE OF 20/18/16GA (M-H/S/K) ASTM A653 GRADE 40/60 (M, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIAA AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT DESIGN SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



Alpine Engineering Products, Inc.
1950 Meyer Drive
Haines City, FL 33844
on # 567

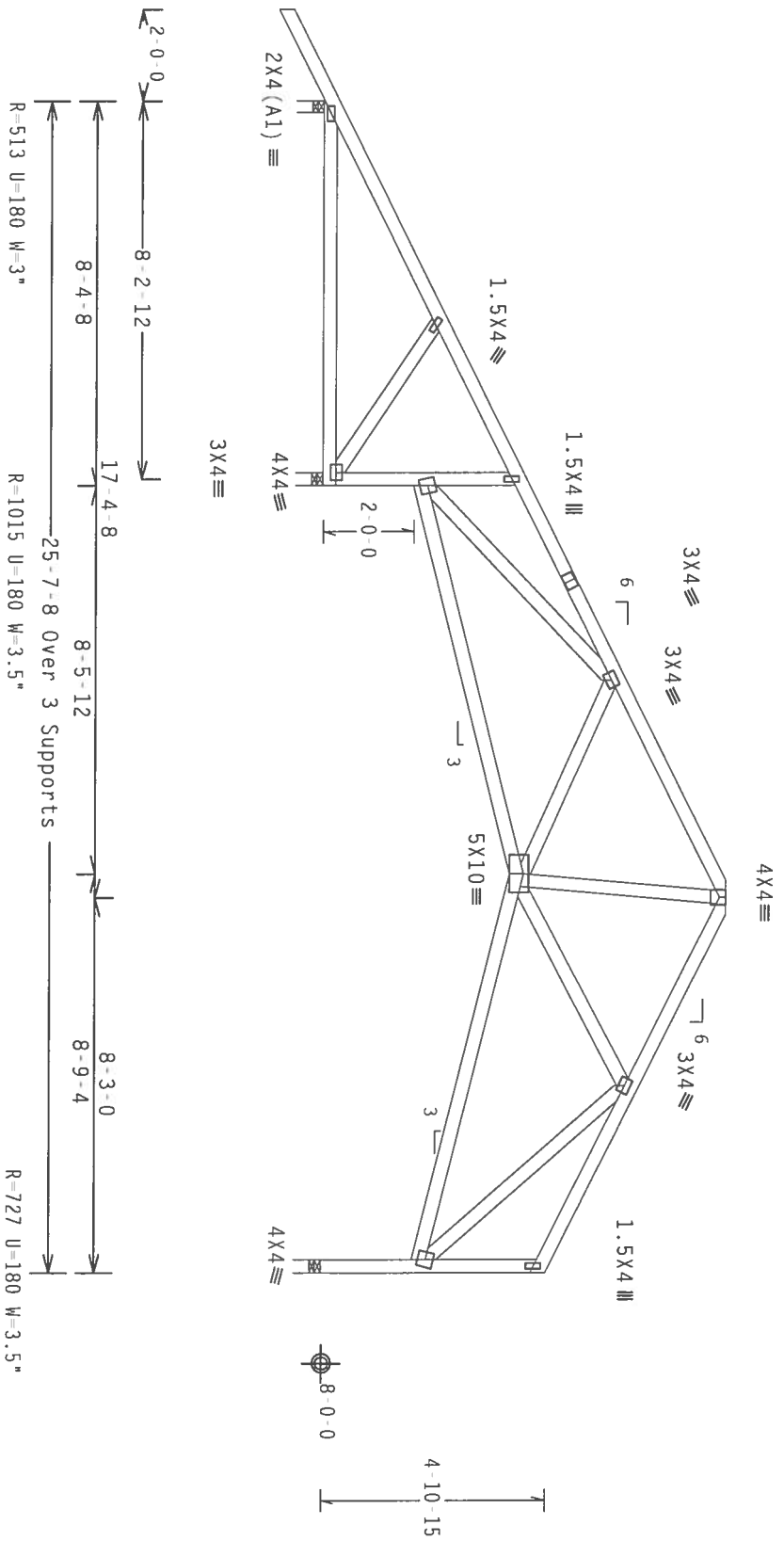


TOT.LD.	40.0 PSF	SEON-	11937
BC DL	0.0 PSF	HC-ENG	JB/AF
TC DL	10.0 PSF	DRW	HCSR487 06219049
TC LL	20.0 PSF	REF	R487-- 79079
DUR.FAC.	1.25	DATE	08/07/06
SPACING	24.0"	DRW	1SZK487 202

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.
 LEG DOWN DESIGNED FOR VERTICAL LOADS ONLY

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



PLT TYP. Wave

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

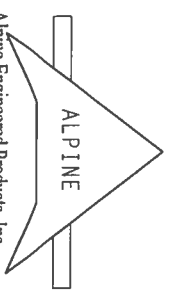
7.24.12

FL/-/4/-/R/-

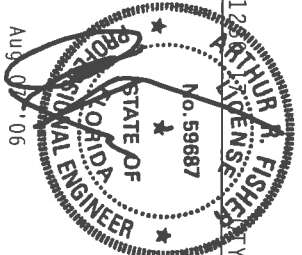
Scale = .25" / ft.

****WARNING**** REQUESTER REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR BUILDING COMPONENT SAFETY. THIS DESIGN IS THE PROPERTY OF ALPINE ENGINEERED PRODUCTS, INC. 1950 Mary Drive, Suite 200, Madison, WI 53719. ANY CHANGES TO THIS DESIGN SHALL BE MADE BY THE DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE SAFETY OF THE STRUCTURE. THE DESIGNER SHALL BE RESPONSIBLE FOR THE SAFETY OF THE STRUCTURE. THE DESIGNER SHALL BE RESPONSIBLE FOR THE SAFETY OF THE STRUCTURE.

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Alpine Engineered Products, Inc.
 1950 Mary Drive
 Madison, WI 53719
 on #567



TC LL	20.0 PSF	REF	R487	79080
TC DL	10.0 PSF	DATE	08/07/06	
BC DL	10.0 PSF	DRW	HCSR487	06219050
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT. LD.	40.0 PSF	SEON-	11938	
DUR. FAC.	1.25			
SPACING	24.0"	DRFF-	1SZK487	Z02

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

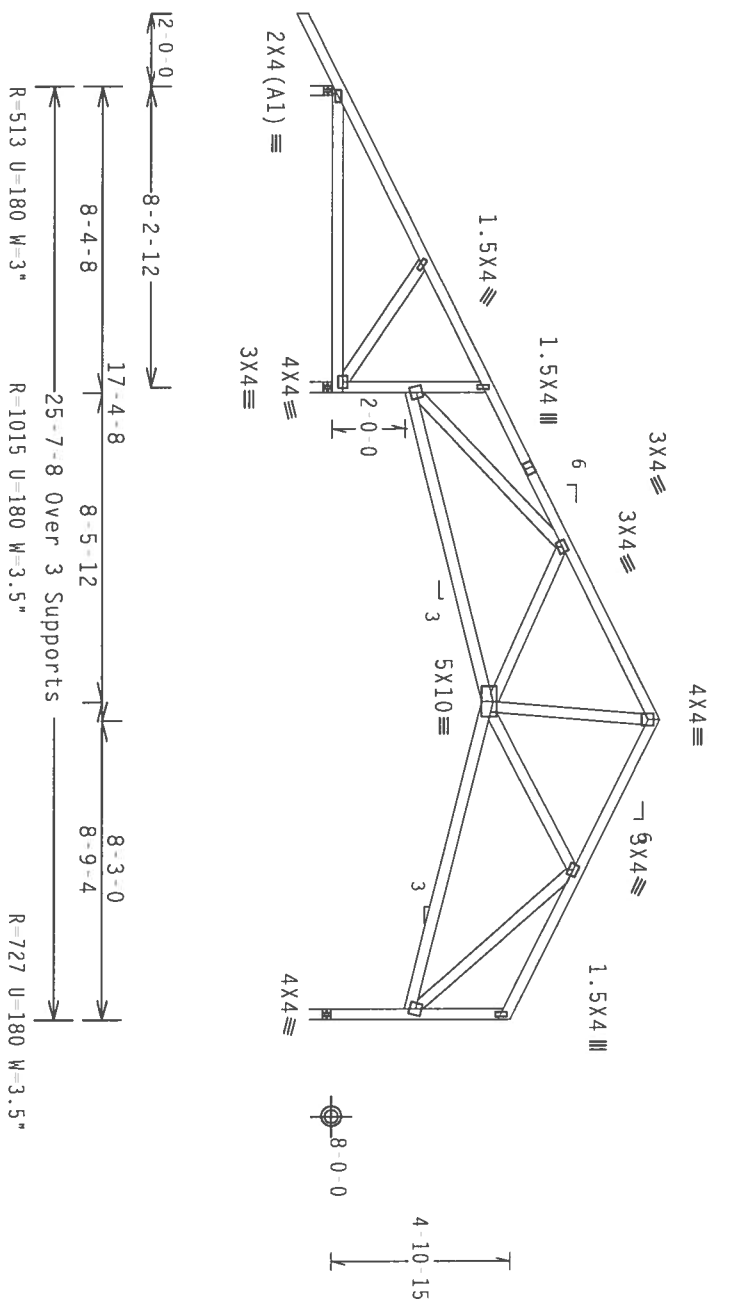
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Shim all supports to solid bearing.

LEG DOWN DESIGNED FOR VERTICAL LOADS ONLY

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

Right end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



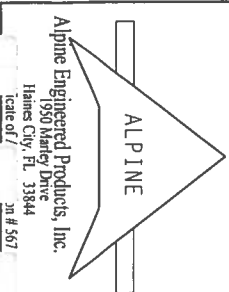
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.11

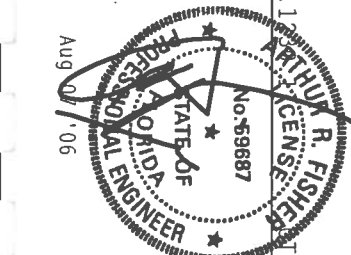
****FABRICATING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE DESIGN DRAWINGS FOR ALL DIMENSIONS AND CONNECTIONS. THE TRUSS SHALL BE FABRICATED TO THE DESIGN DRAWINGS AND SHALL BE PROTECTED FROM CORROSION. THE TRUSS SHALL BE PROTECTED FROM CORROSION BY AN ANODIZED ALUMINUM OR GALVANNEAL COATING. THE TRUSS SHALL BE PROTECTED FROM CORROSION BY AN ANODIZED ALUMINUM OR GALVANNEAL COATING. THE TRUSS SHALL BE PROTECTED FROM CORROSION BY AN ANODIZED ALUMINUM OR GALVANNEAL COATING. THE TRUSS SHALL BE PROTECTED FROM CORROSION BY AN ANODIZED ALUMINUM OR GALVANNEAL COATING.

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

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002(STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AIAA AND TPI-2002(STD). APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX 43 OF TPI-2002(STD) SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SEALABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMEX/TP1 1 SEC. 2.



Alpine Engineered Products, Inc.
Haines City, FL 33844
Tel: 888-233-2333
Fax: 888-233-2333
www.alpineeng.com
In # 567



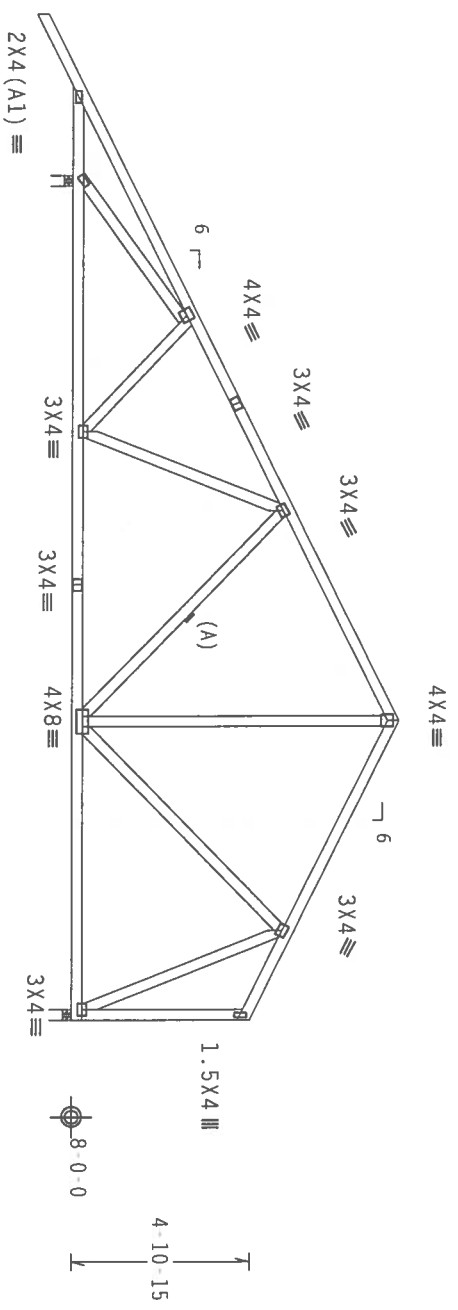
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TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUSR487 06219051
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 11939
DUR. FAC.	1.25	
SPACING	24.0"	JRFF - 1SZK487 Z02

Scale = .1875"/ft.

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

(A) Continuous lateral bracing equally spaced on member.
 In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.00 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.



12-0-0 12-5-0
 17-4.8
 25-7.8 Over 2 Supports
 8-3.0
 R=1327 U-180 W-3.5"
 R=917 U-180 W-3.5"

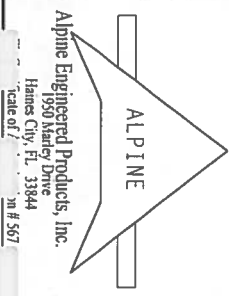
PLT TYP. Wave

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

ARTHUR R. FISHER
 PROFESSIONAL ENGINEER
 No. 59687
 STATE OF FLORIDA
 APR 07 '06

QTY: 1 FL/-/4/-/1-/R/- Scale = .1875"/ft.

TC LL	20.0 PSF	REF R487-- 79082
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUSR487 06219052
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 11940
DUR. FAC.	1.25	
SPACING	24.0"	JRFF- 1SZK487 202



ALPINE ENGINEERED PRODUCTS, INC.
 1950 Mandy Drive
 Gaines City, FL 33984
 Phone: 813-399-5677
 Fax: 813-399-5677

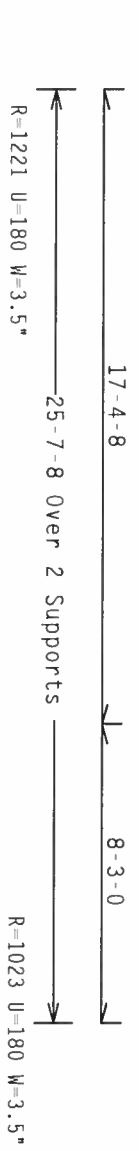
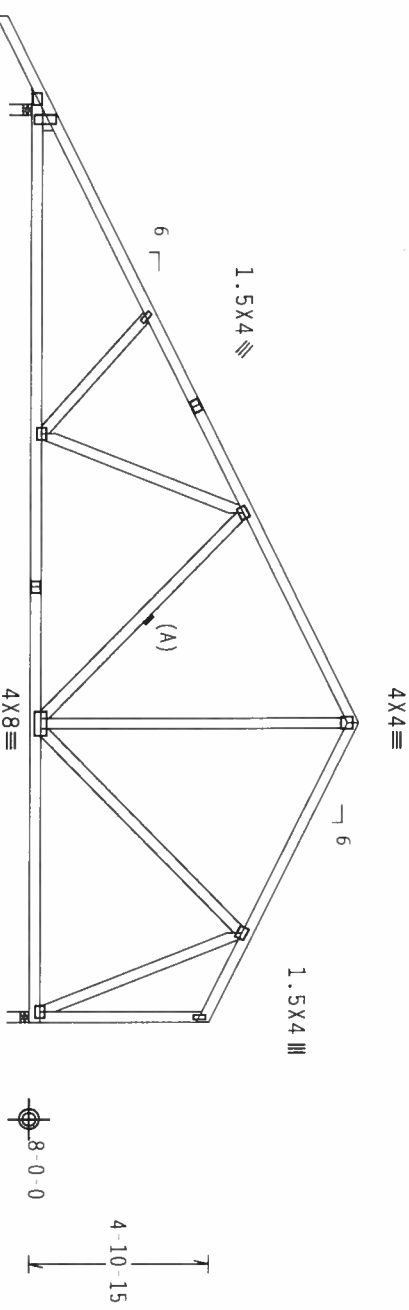
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (INCLUDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI, AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., SUITE 200, MADISON, WI 53719, AND AISC (GOOD PRACTICE) PUBLISHED BY AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., SUITE 200, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. ALPINE CONSTRUCTION PLANS ARE MADE OF 20/18/16GA (W.H./S/K) ASTM A653 GRADE 40/60 (4, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERX AS OF TPI 2002 SEC. 3. A SEAL ON THIS DESIGN SHALL BE AFFIXED TO PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT DESIGNER. DESIGNER PER ANSI/TPI 1 SEC. 2.

Top Chord 2x4 SP #2 Dense
 Bot Chord 2x4 SP #2 Dense
 Webs 2x4 SP #3
 Lt Wedge 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.
 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.

(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.



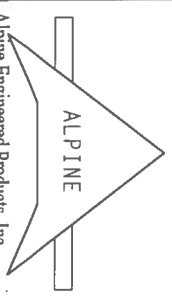
Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC

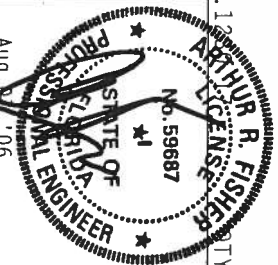
Scale = .1875"/ft. Qq/RT=1.00(1.25)/10(0) 7.24.12

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 180 O'HORRION DR., SUITE 200, MADISON, MI 48219) AND NIAA (WOOD TRUSS COUNCIL OF AMERICA, 6000 ENTERPRISE BL, MADISON, MI 48219) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (M, K/H/S) GALV. STEEL. APPLY PLATES SPECIFIC TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. TRUSS SPECIFIC PLATES AND CONNECTIONS SHALL BE PER AIAA K3 OR TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES THE AUTHORITY 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 Mandy Drive
 Gaines City, FL 32644
 Phone: 352-386-5677
 Fax: 352-386-5678
 Email: sales@alpineeng.com



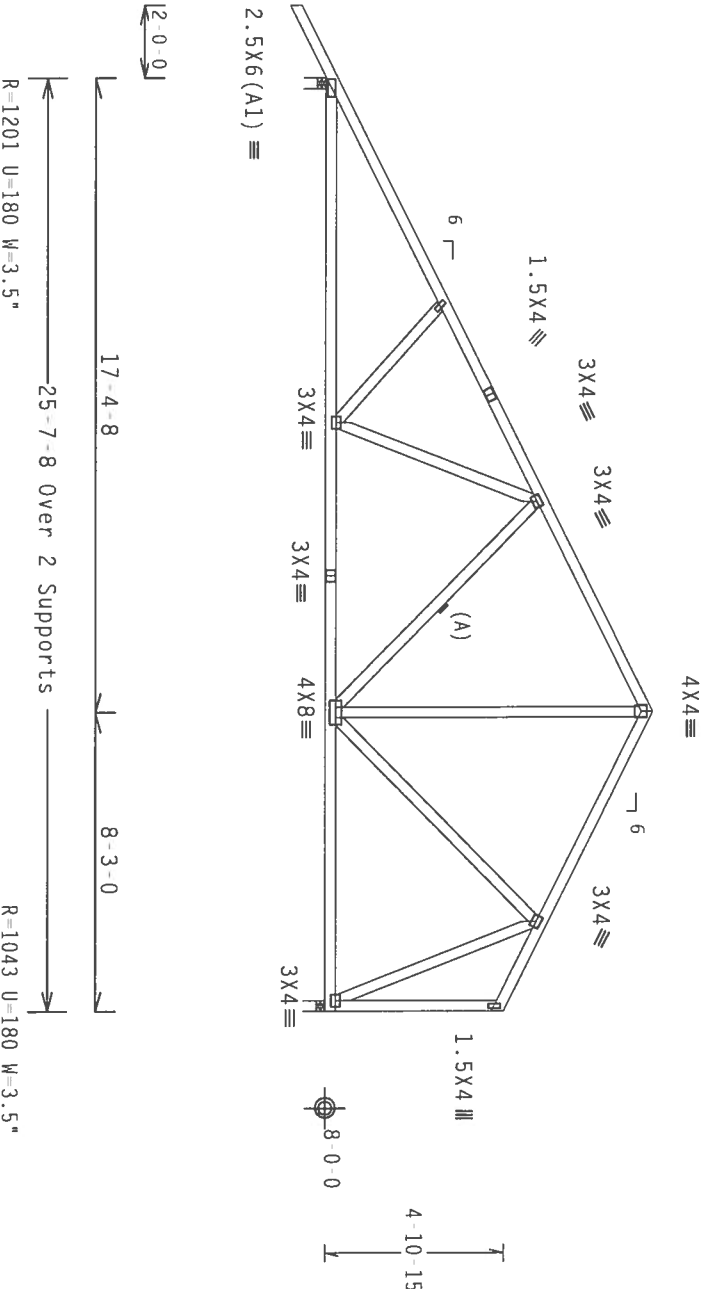
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TC DL	10.0 PSF	DATE	08/07/06	
BC DL	10.0 PSF	DRW	HCSR487	06219053
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT. LD.	40.0 PSF	SEON-	11941	
DUR. FAC.	1.25			
SPACING	24.0"	JREF	1SZK487	Z02

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

(A) Continuous lateral bracing equally spaced on member.
 In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

Right end vertical not exposed to wind pressure.
 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

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

QTY: 3

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

Scale = .1875"/ft.

Alpine Engineering Products, Inc.
 1950 Mandy Drive
 Haines City, FL 33844
 Tel: 888-567-567

****WARNINGS**** THESE REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR BUILDING CONSTRUCTION SAFETY AND PROTECTIVE MEASURES. ALL FABRICATED STEEL SHALL BE FABRICATED TO THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 360-10, 360-10.1, 360-10.2, 360-10.3, 360-10.4, 360-10.5, 360-10.6, 360-10.7, 360-10.8, 360-10.9, 360-10.10, 360-10.11, 360-10.12, 360-10.13, 360-10.14, 360-10.15, 360-10.16, 360-10.17, 360-10.18, 360-10.19, 360-10.20, 360-10.21, 360-10.22, 360-10.23, 360-10.24, 360-10.25, 360-10.26, 360-10.27, 360-10.28, 360-10.29, 360-10.30, 360-10.31, 360-10.32, 360-10.33, 360-10.34, 360-10.35, 360-10.36, 360-10.37, 360-10.38, 360-10.39, 360-10.40, 360-10.41, 360-10.42, 360-10.43, 360-10.44, 360-10.45, 360-10.46, 360-10.47, 360-10.48, 360-10.49, 360-10.50, 360-10.51, 360-10.52, 360-10.53, 360-10.54, 360-10.55, 360-10.56, 360-10.57, 360-10.58, 360-10.59, 360-10.60, 360-10.61, 360-10.62, 360-10.63, 360-10.64, 360-10.65, 360-10.66, 360-10.67, 360-10.68, 360-10.69, 360-10.70, 360-10.71, 360-10.72, 360-10.73, 360-10.74, 360-10.75, 360-10.76, 360-10.77, 360-10.78, 360-10.79, 360-10.80, 360-10.81, 360-10.82, 360-10.83, 360-10.84, 360-10.85, 360-10.86, 360-10.87, 360-10.88, 360-10.89, 360-10.90, 360-10.91, 360-10.92, 360-10.93, 360-10.94, 360-10.95, 360-10.96, 360-10.97, 360-10.98, 360-10.99, 360-11.00.

TC LL	20.0 PSF	REF R487 - 79084
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUSR487 06219026
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 11942
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1SZK487 202

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

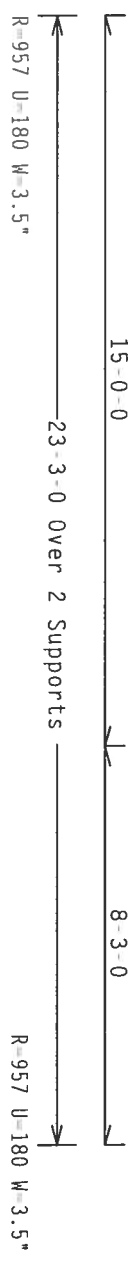
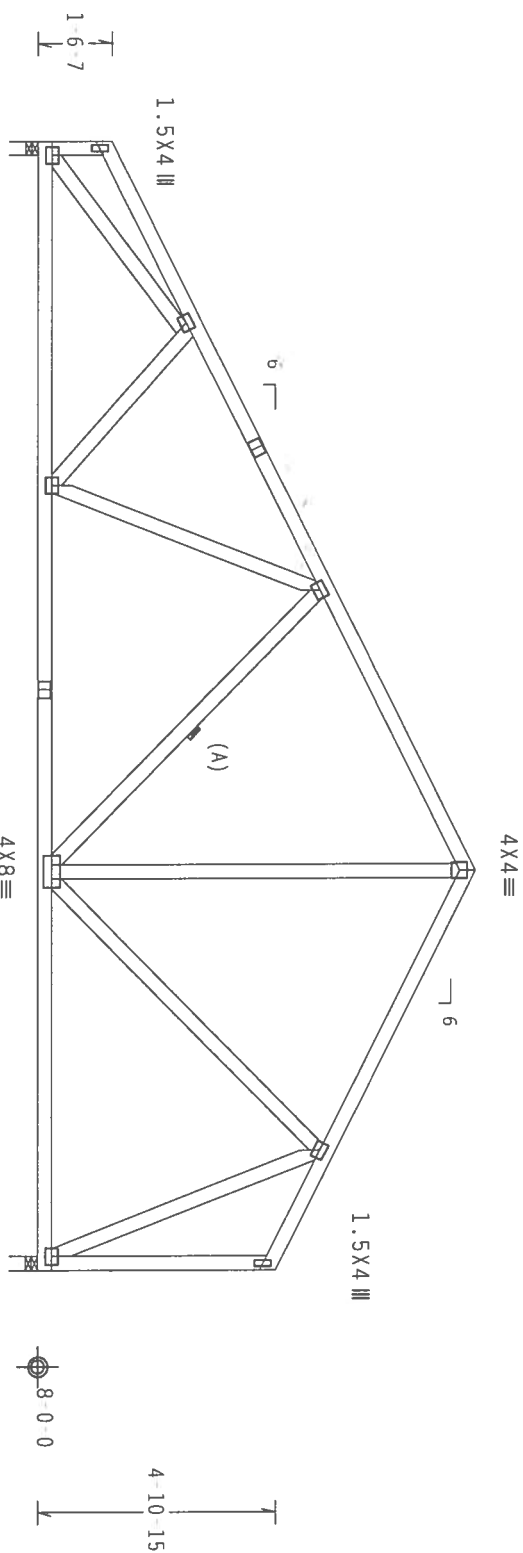
(A) Continuous lateral bracing equally spaced on member.

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

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

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.



Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave

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

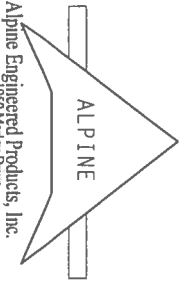
7.24.12

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

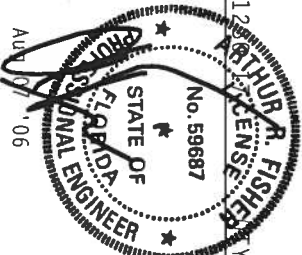
Scale = .25" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1.03 (INCLUDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 500 D'CORLETT DR., SUITE 200, HADISON, NJ 07719) AND WEA (WOOD TRUSS COUNCIL OF AMERICA, 6800 ENTERPRISE LN, HADISON, NJ 07719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (K. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEAS OR TPI-2002 SEC. 3. FOR THE TRUSS COMPONENT DESIGN SHALL BE THE DESIGNER'S RESPONSIBILITY. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENT BUILDING DESIGNER PER AMSP/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
 1950 Meyer Drive
 Haines City, FL 33844
 Phone: 888-357-2627
 Fax: 888-357-2627
 on #567

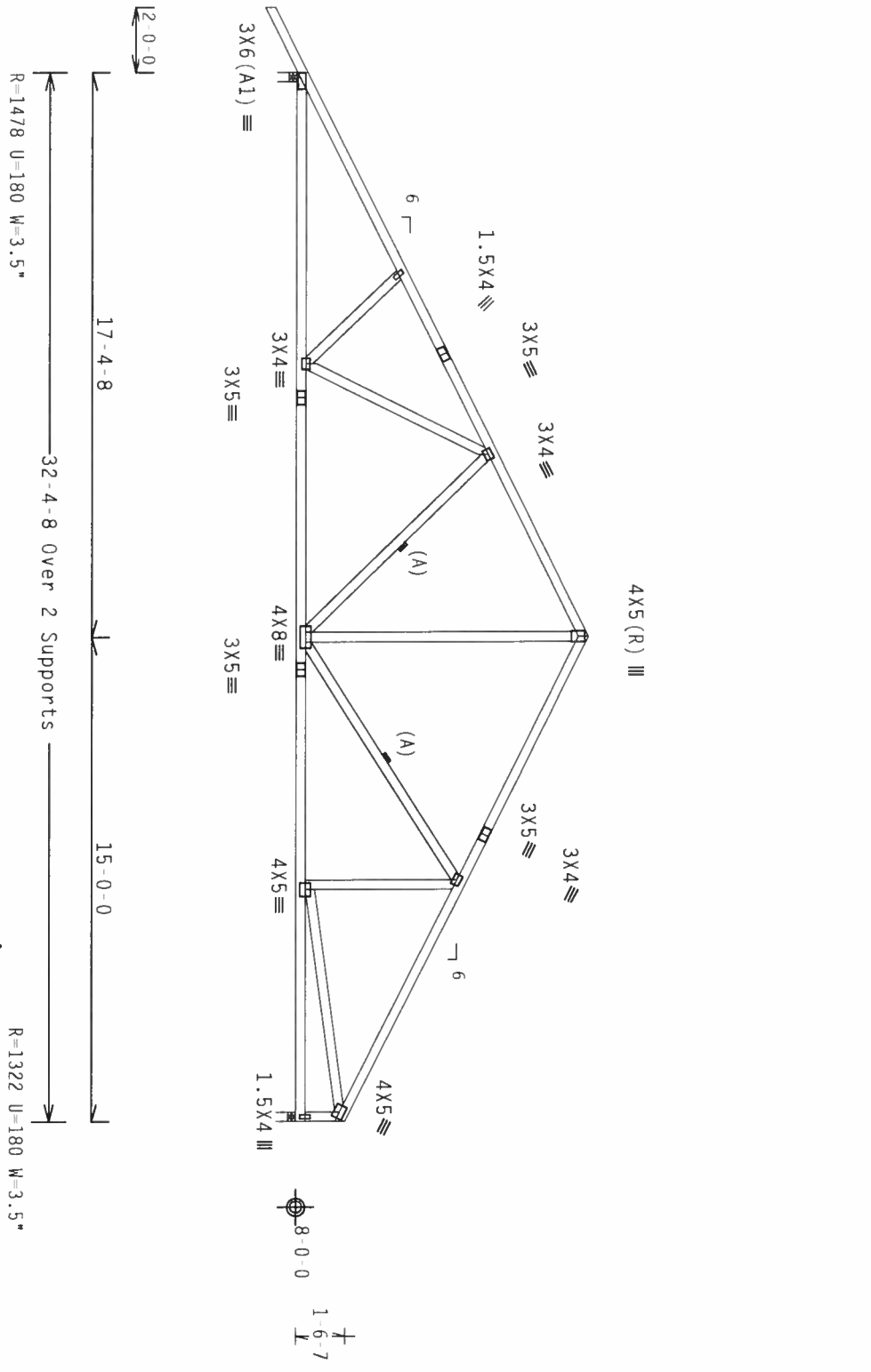


TC LL	20.0 PSF	REF R487--79085
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUSR487 06219054
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON-11931
DUR. FAC.	1.25	
SPACING	24.0"	JREF-1SZK487 202

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

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



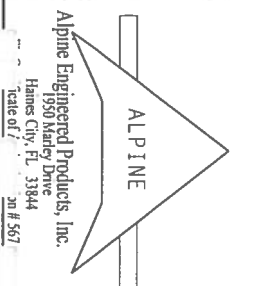
PLT TYP. Wave

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

ARTHUR R. FISHER
 No. 59687
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 Aug 07 '06

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

Scale = .1875" / Ft.



****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, STORING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (INCLUDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'AMORETTO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BL, 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.

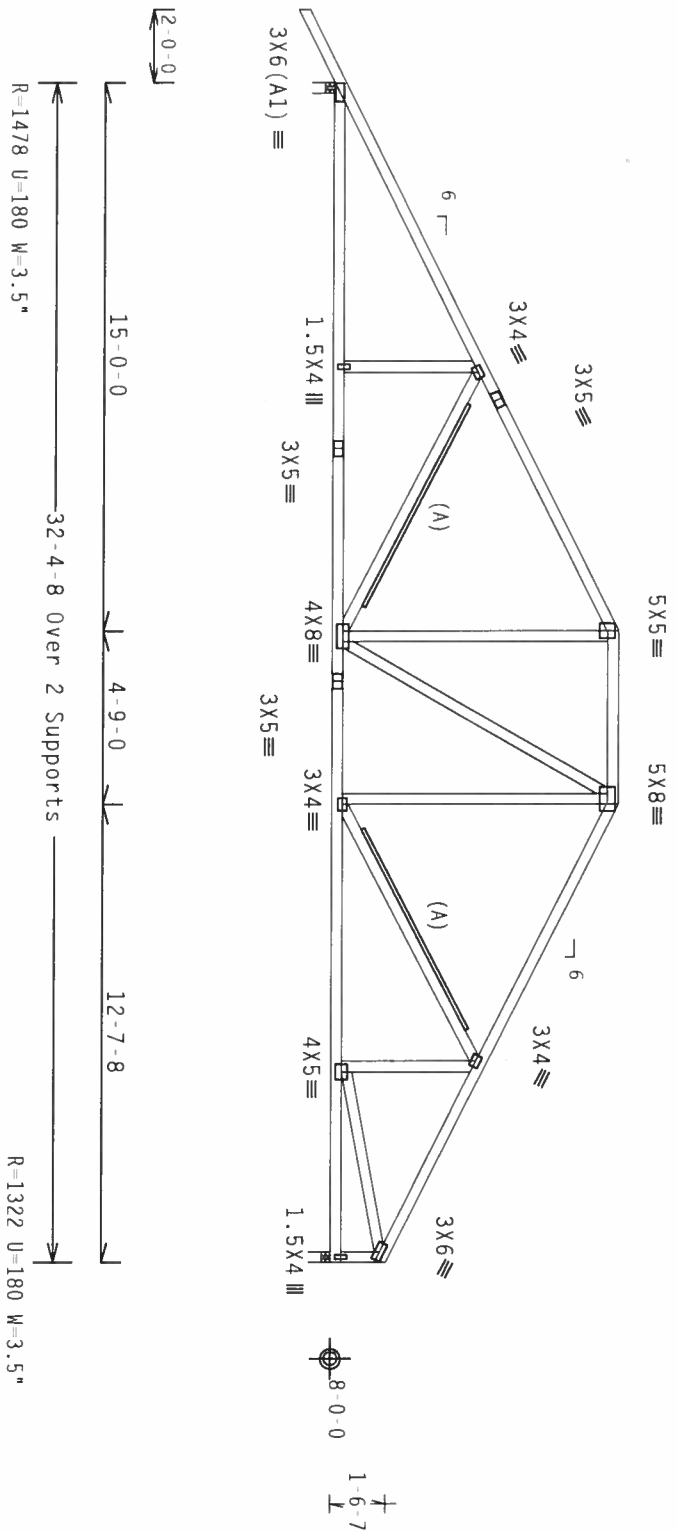
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (ATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2024/T304 (M-N/S/S) ASTM A653 GRADE 40/50 (K-M-S) GALV STEEL. ALPINE PLATES ARE MADE OF 2024/T304 (M-N/S/S) ASTM A653 GRADE 40/50 (K-M-S) GALV STEEL. ALPINE PLATES TO BE USED IN THIS DESIGN SHALL BE IDENTIFIED AS TPI-2002-SEC-3. FOR THE TRUSS DESIGN THIS DRAWING INDICATES 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 -- 79086
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUR487 06219027
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 11926
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZK487 Z02

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

(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.

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.



R=1478 U=180 W=3.5"

R=1322 U=180 W=3.5"

PLT TYP. Wave

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

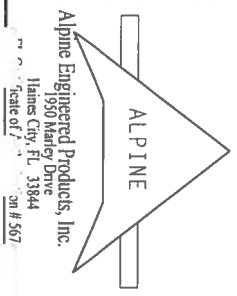
QTY: 1

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

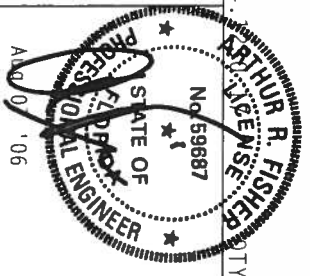
Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PANEL INSTITUTE), 60 MORRIS DR., SUITE 200, HADISON, NJ 07719) AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6000 ENTERPRISE DR., HADISON, NJ 07719) 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 COMPONENTS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/10/10GA (N-H/S/S) ASTM A653 GRADE 40/60 (N, K/P/S) GALV. STEEL. ALPINE CONNECTION PLATES ARE 2" THICK AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A 2. ALL UNDESIRABLE HOLES SHALL BE REPAIRED AS PER TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROJECT SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
 1950 Manley Drive
 Haines City, FL 33844
 Phone: 888-367-5677
 Fax: 888-367-5678



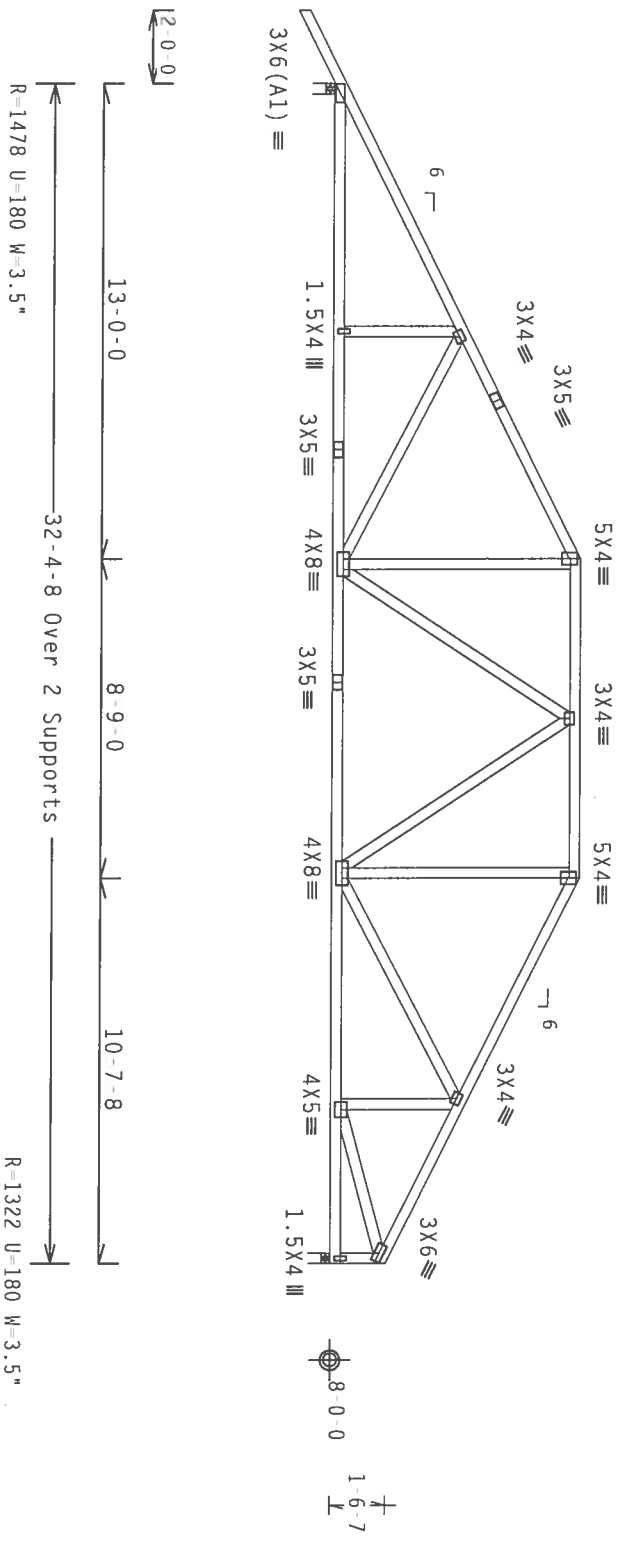
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TC DL	10.0 PSF	DATE	08/07/06	
BC DL	10.0 PSF	DRW	HCUSR487	06219029
BC LL	0.0 PSF	HC-ENG	JB/AF	*
TOT. LD.	40.0 PSF	SEQN-	11924	
DUR. FAC.	1.25			
SPACING	24.0"	JRFF-	1SZK487	Z02

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.

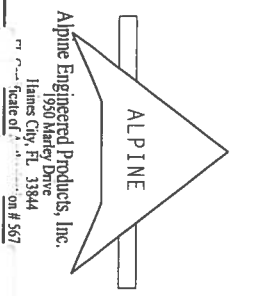


PLT TYP. Wave

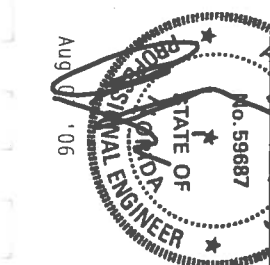
Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/10(0)

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

Scale = .1875"/ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR BUILDING CODES AND SAFETY. THIS TRUSS IS DESIGNED FOR A 150 MPH WIND SPEED. THE TRUSS SHALL BE PROTECTED BY A PROPERLY ATTACHED RIGID CEILING. ****IMPORTANT**** TUNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGNER'S SPECIFICATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE TRUSS SHALL BE PROTECTED BY A PROPERLY ATTACHED RIGID CEILING. THE TRUSS SHALL BE PROTECTED BY A PROPERLY ATTACHED RIGID CEILING. THE TRUSS SHALL BE PROTECTED BY A PROPERLY ATTACHED RIGID CEILING.



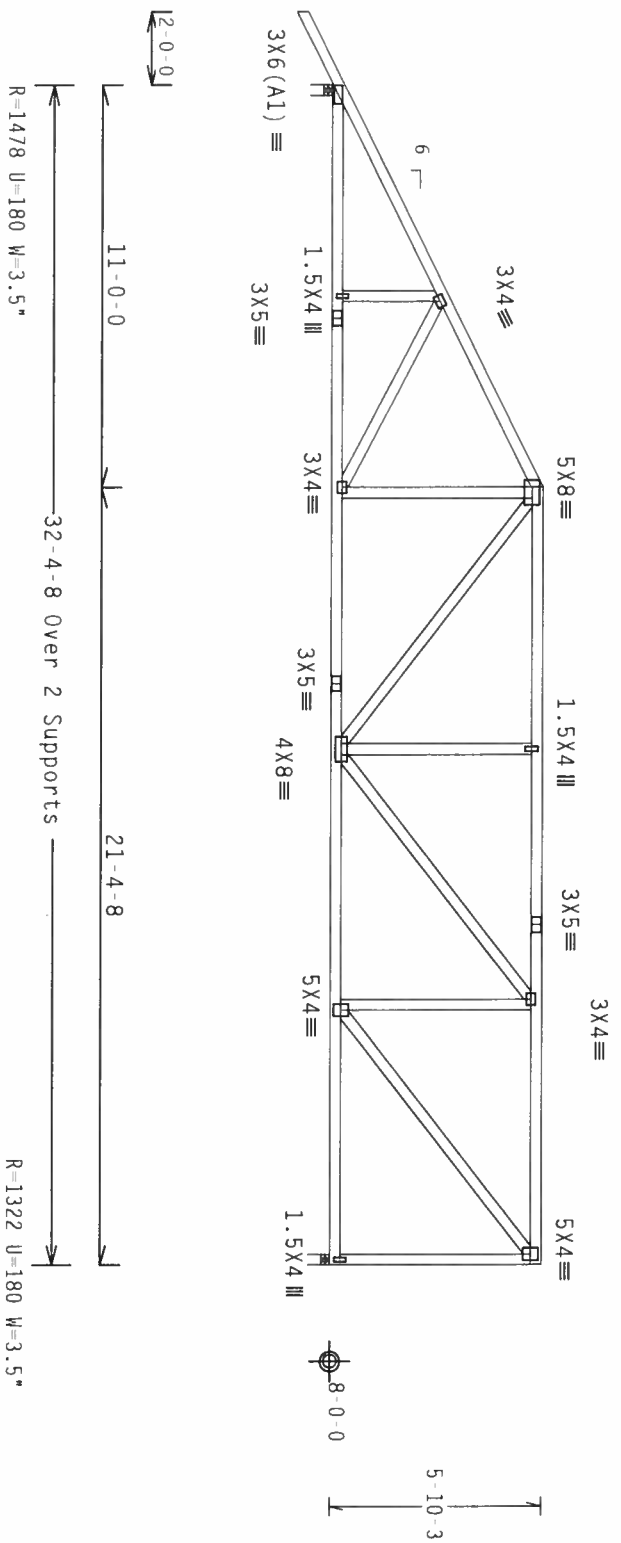
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TC DL	10.0 PSF	DATE	08/07/06
BC DL	10.0 PSF	DRW HCURS487	06219030
BC LL	0.0 PSF	HC-ENG JB/AF	*
TOT. LD.	40.0 PSF	SECN-	11919
DUR. FAC.	1.25		
SPACING	24.0"	DRFF-	1SZK487 202

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.

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

Right end vertical not exposed to wind pressure.
 Deflection meets L/240 live and L/180 total load. Creep increase
 factor for dead load is 1.50.



PLT TYP. Wave

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

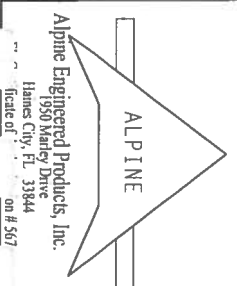
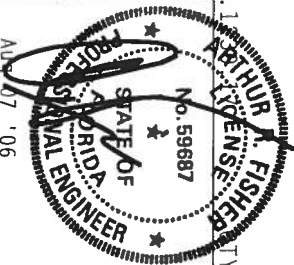
7.24.1

FL/-/4/-/R/-

Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR THE DESIGN AND CONSTRUCTION OF TRUSSES. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE TRUSS. THE CONTRACTOR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

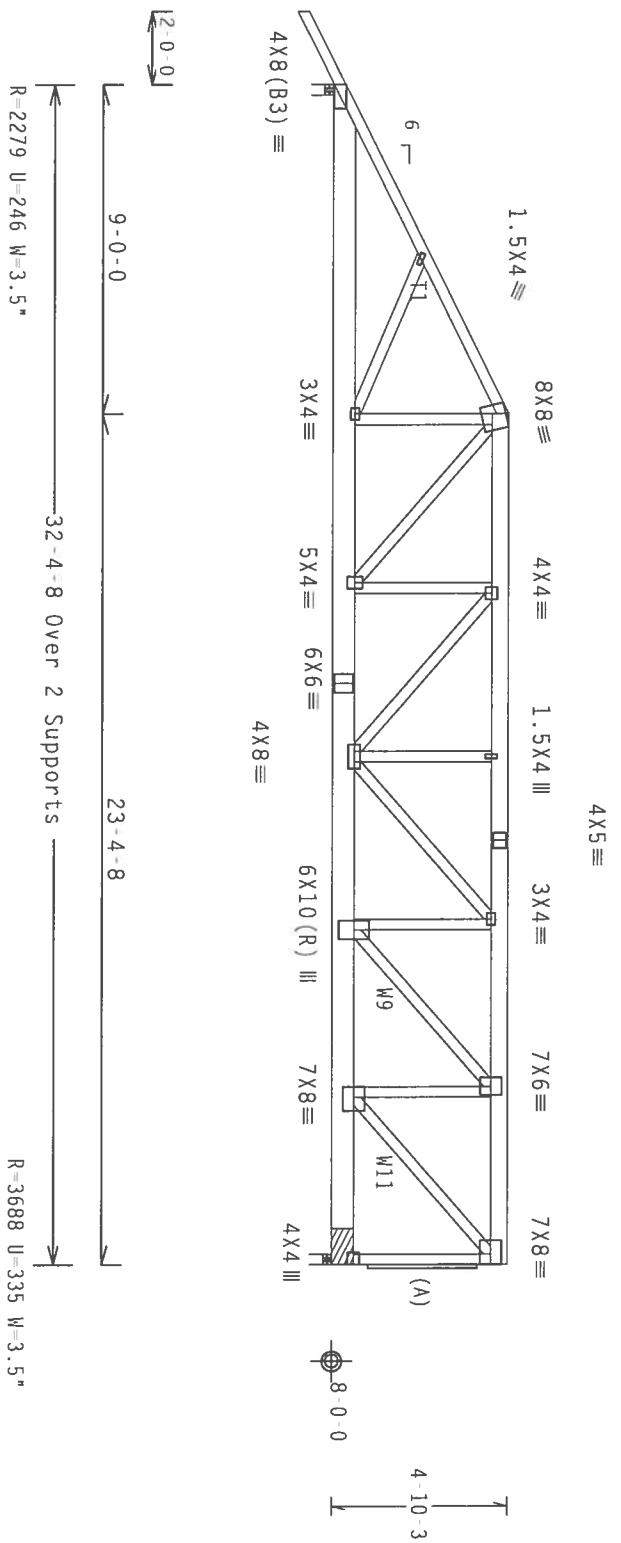
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 20/18/16GA (4.4/4.5/5.0) ASTM A653 GRADE 40/60 (4.4/4.5/5.0) GALV. STEEL. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (4.4/4.5/5.0) GALV. STEEL. POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS CONSTRUCTION SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMSI/TPI 1 SEC. 7.



TC LL	20.0 PSF	REF	R487 - 79090
TC DL	10.0 PSF	DATE	08/07/06
BC DL	10.0 PSF	DRW	HCUR487 06219031
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEQN-	11923
DUR. FAC.	1.25		
SPACING	24.0"	JREF	1SZK487 202

Top chord 2x6 SP #1 Dense : T1 2x4 SP #2 Dense :
 Bot chord 2x8 SP SS
 Webs 2x4 SP #3 : W9, W11 2x4 SP #2 Dense :
 Bearing blocks: Nail type: 12d Common (0.148"x3.25" min.) nails
 BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
 2 32.083' 1 12" Match Truss
 Bearing block to be same size and species as bottom chord.
 Refer to drawing CNBRGK1103 for additional information.
 (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 purlins to
 brace TC @ 24" OC, BC @ 24" OC.

SPECIAL LOADS
 (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
 TC - From 62 PLF at 2.00 to 62 PLF at 32.38
 BC - From 4 PLF at 2.00 to 4 PLF at 0.00
 BC - From 20 PLF at 0.00 to 20 PLF at 16.38
 BC - From 20 PLF at 16.38 to 20 PLF at 32.38
 BC - 2169 LB Conc. Load at 22.65
 BC - 249 LB Conc. Load at 24.65, 26.65, 28.65, 30.65
 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not
 located within 4.50 ft from roof edge, CAT II, EXP B, wind TC
 DL=5.0 psf, wind BC DL=5.0 psf.
 Right end vertical not exposed to wind pressure.
 Deflection meets L/240 live and L/180 total load. Creep increase
 factor for dead load is 1.50.



PLT TYP. Wave

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

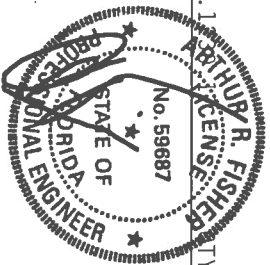
Scale = .1875"/ft.

****WARNINGS**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31.03, BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE INTERNATIONAL ASSOCIATION OF BRIDGE ENGINEERS AND STRUCTURAL ENGINEERS, 6300 EASTERN 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**** URNISH 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 THE NATIONAL DESIGN SPEC. BY AREA AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (K. K/H/S) GALV. STEEL. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T60A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER AREA 11 SEC. 2.



Alpine Engineered Products, Inc.
 1950 Marley Drive
 Gainesville, FL 32644
 Phone: 352/336-5671
 Fax: 352/336-5672



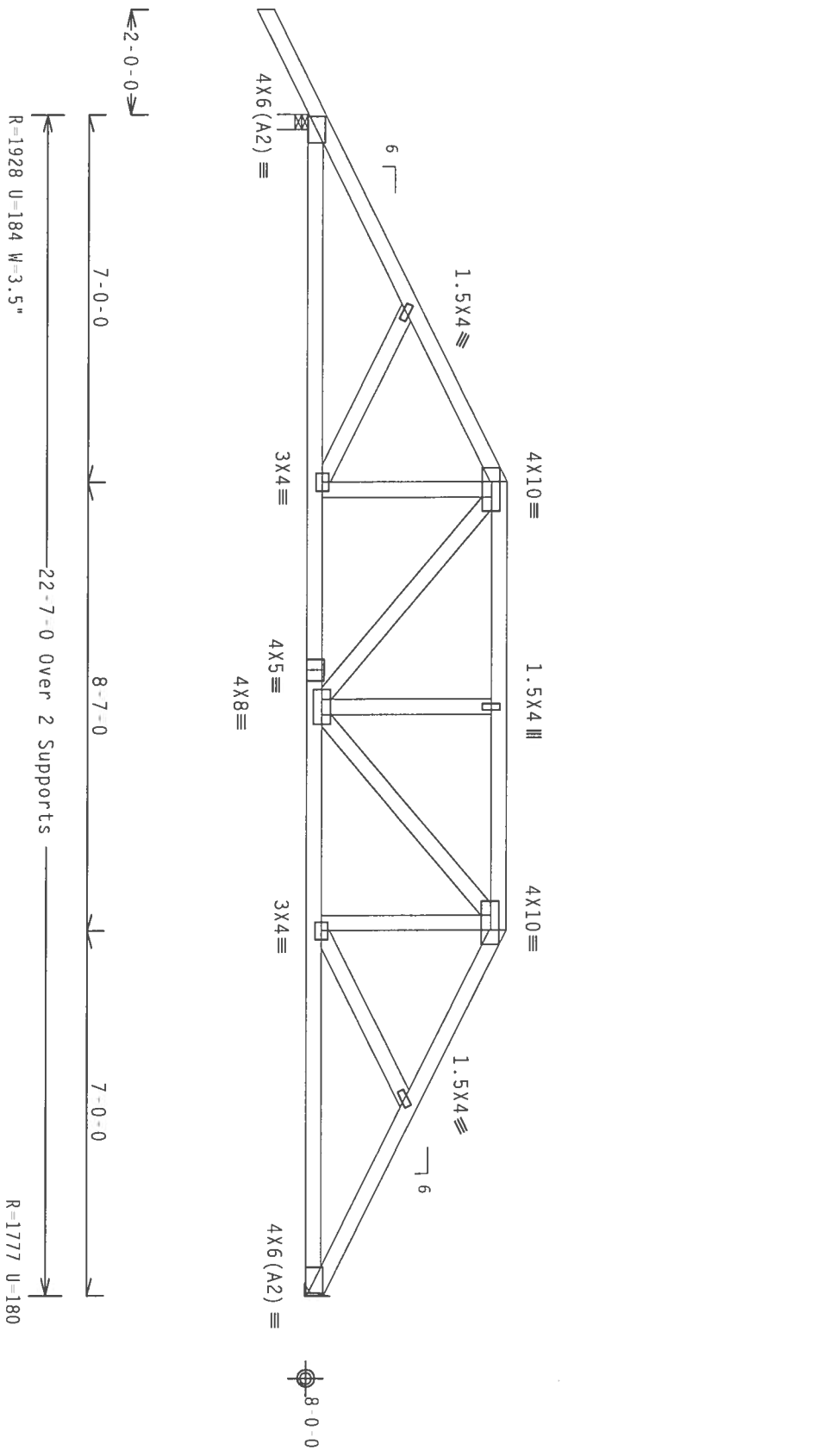
TC LL	20.0 PSF	REF R487 - 79091
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUR487 06219069
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEGN- 11953
DUR. FAC.	1.25	
SPACING	24.0"	JRF- 1SZK487 202

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.

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.



PLT TYP. Wave

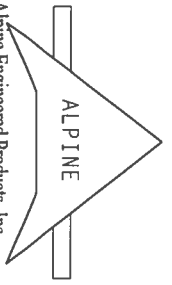
Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/10(0)

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

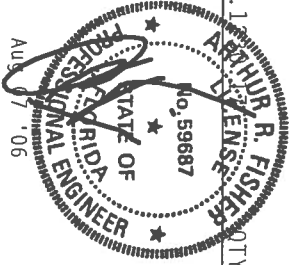
Scale = .3125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR BUILDING CODES AND STANDARDS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION OF THE TRUSS. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE DESIGN AND THE TRUSS SHALL BE PROTECTED FROM DAMAGE. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE DESIGN AND THE TRUSS SHALL BE PROTECTED FROM DAMAGE. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE DESIGN AND THE TRUSS SHALL BE PROTECTED FROM DAMAGE.

****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 THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 2002 INTERNATIONAL BUILDING CODES, AS AMENDED BY LOCAL ORDINANCES, AND ALL APPLICABLE CODES AND REGULATIONS. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE DESIGN AND THE TRUSS SHALL BE PROTECTED FROM DAMAGE. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE DESIGN AND THE TRUSS SHALL BE PROTECTED FROM DAMAGE.



Alpine Engineered Products, Inc.
 1950 Mandy Drive
 Gainesville, FL 32608
 Phone: 352-384-1111
 Fax: 352-384-1112
 Email: info@alpineeng.com



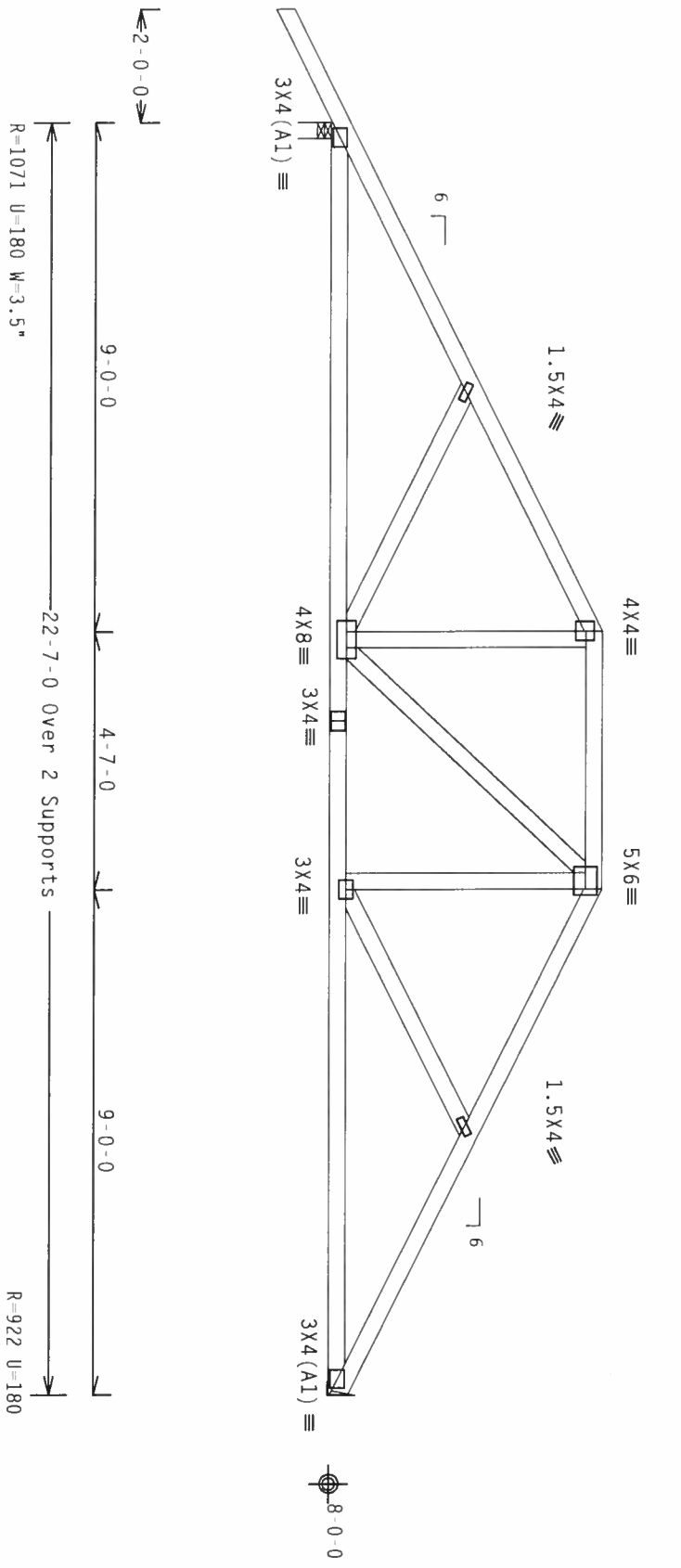
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TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUR487 06219062
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON-11974
DUR. FAC.	1.25	
SPACING	24.0"	UREF-1SZK487 202

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.

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.

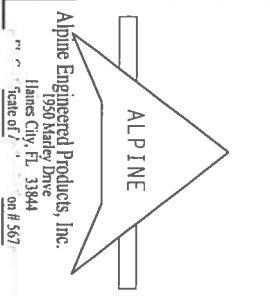


PLT TYP. Wave

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

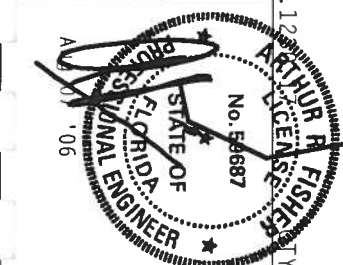
DATE: 7.24.12

Scale = .3125"/ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES. 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF ARCHITECTS, 1735 N. MICHIGAN DR., SUITE 200, HADISON, MI 48127 AND WEA (WOOD TRUSS COUNCIL OF AMERICA, 600 EAST 10TH ST., HADISON, MI 48127) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ARPA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (M/H/S/K) ASTM A653 GRADE 40/60 (R. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA Z. MAXIMUM SPACING OF PLATES FOLLOWED BY (1) SHALL BE PER ARPA A3 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 BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



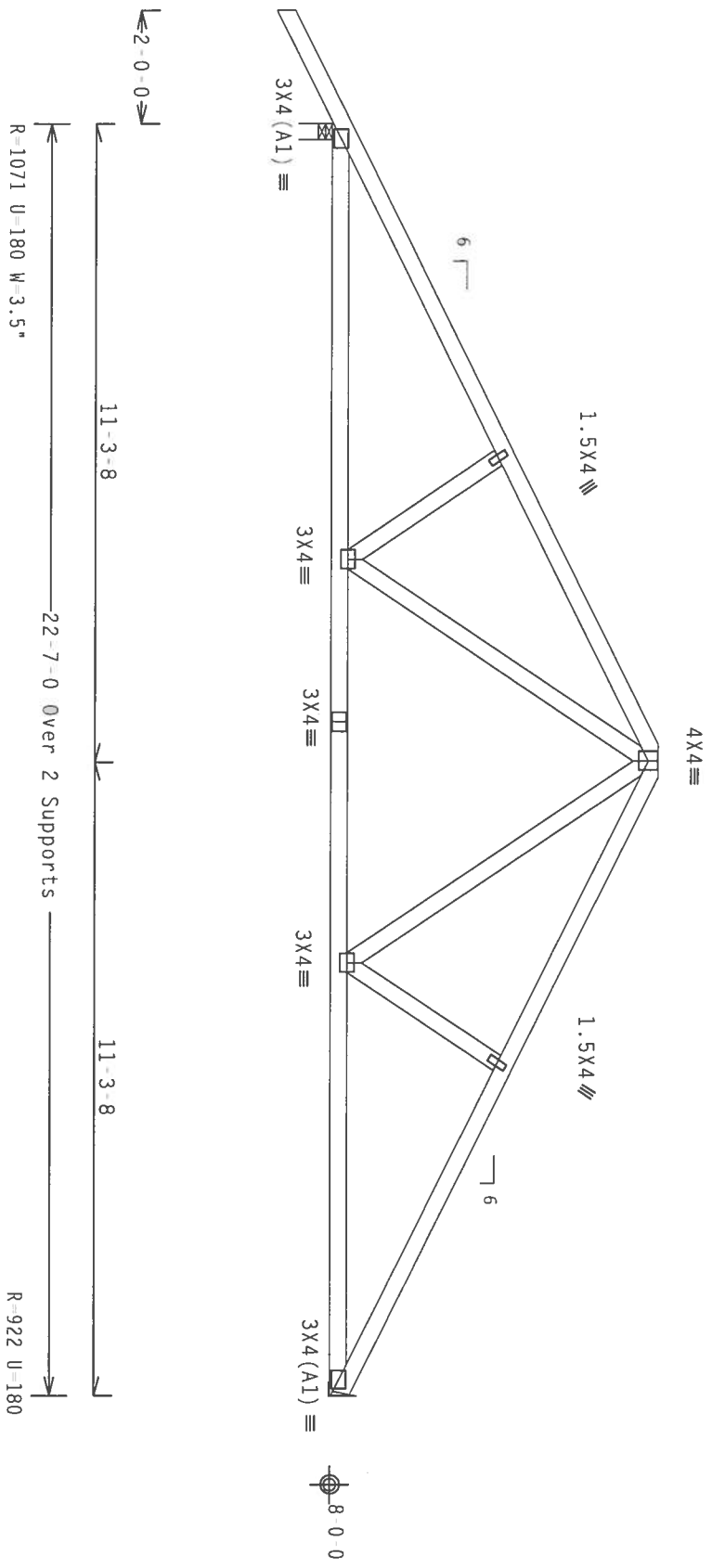
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TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUR487 06219055
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON-11986
DUR. FAC.	1.25	
SPACING	24.0"	JRFF-1SZK487 202

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.

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

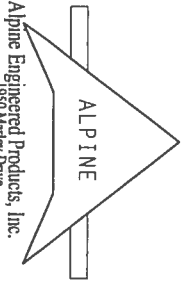
Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/10(0)

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

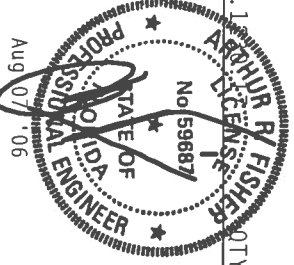
Scale = .3125"/Ft.

****WARNINGS**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES. 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF ARCHITECTS, 1735 N. MICHIGAN, MI 48106, (313) 363-7000. TRUSS CONNECT, OF AMERICA, 6300 ENTERPRISE DR., 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-2002(STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 2015 INTERNATIONAL RESIDENTIAL CODE BOOK, BY AREA AND TPI-2002(STD) CONSTRUCTION TABLES AND 2015/16 IBC (M/S/S) WITH 2015 GRADE 40/50 (M, K/S/S) GALV. STEEL. ALPINE PLATES TO EACH FACT OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ALL TRUSS COMPONENTS SHALL BE Labeled per TPI-2002(STD) SEC. 3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
 1950 Marley Drive
 Haines City, FL 33844
 Scale of: 3/8" = 1'-0"



TC LL	20.0 PSF	REF R487--79094
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUR487 06219056
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 11992
DUR. FAC.	1.25	
SPACING	24.0"	UREF- 1SZK487 202

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

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

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

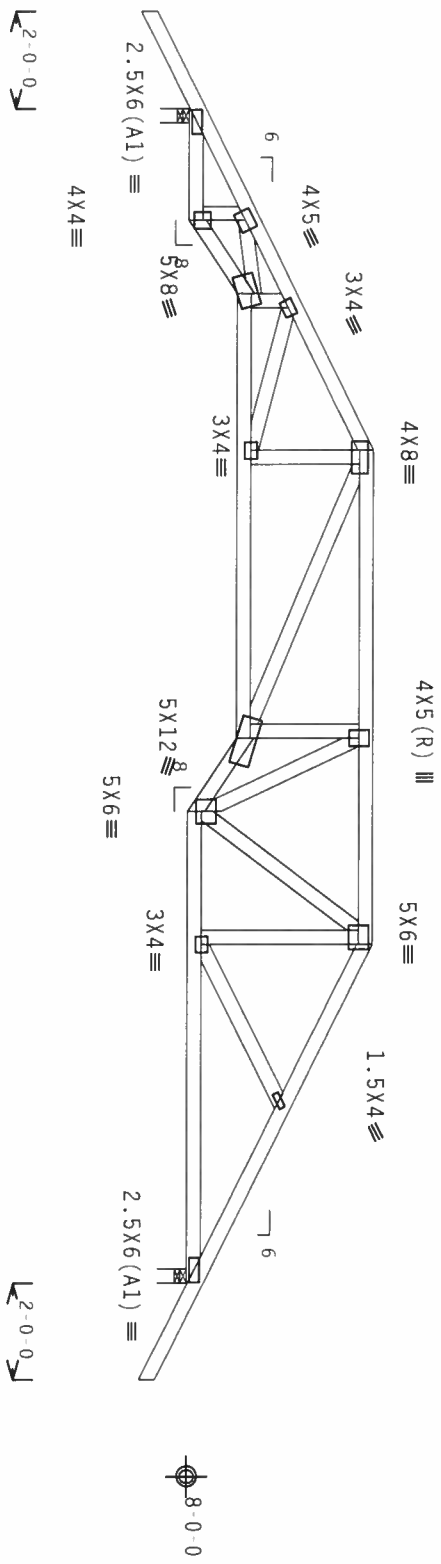
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common @ 12.00" o.c., 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.

#1 hip supports 7-0-0 jacks W/2 panel TC and no end vert.



PLT TYP. Wave

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

TY:1

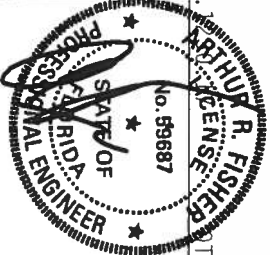
Scale = .25"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACKING. REFER TO THE MANUFACTURER'S INSTRUCTIONS FOR THE PROPER INSTALLATION OF THE TRUSS. THE TRUSS SHALL BE PROTECTED FROM MOISTURE AND CORROSION. THE TRUSS SHALL BE PROTECTED FROM MOISTURE AND CORROSION. THE TRUSS SHALL BE PROTECTED FROM MOISTURE AND CORROSION. THE TRUSS SHALL BE PROTECTED FROM MOISTURE AND CORROSION.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Tel: 888-257-2577

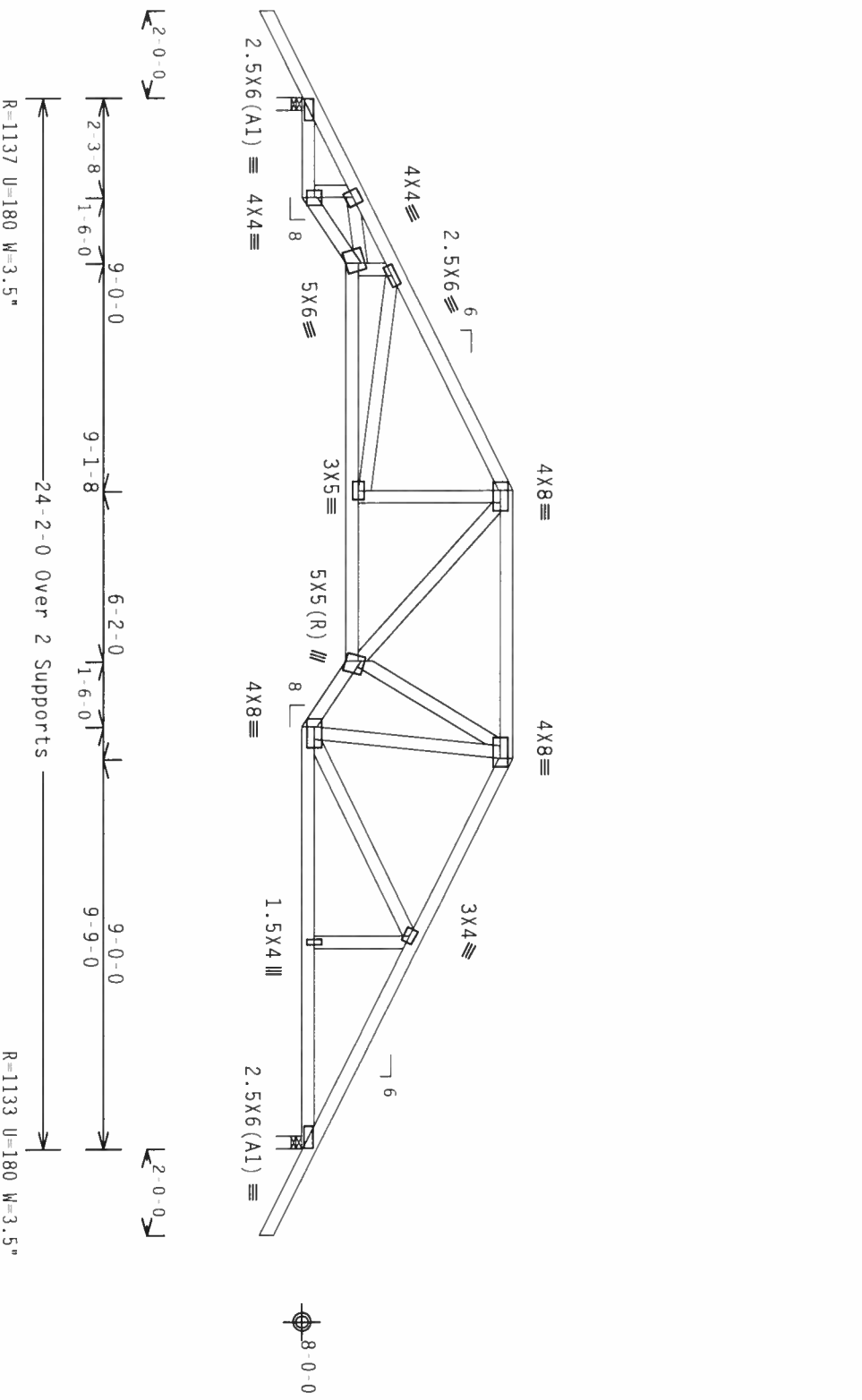


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TC DL	10.0 PSF	DATE	08/07/06	
BC DL	10.0 PSF	DRW	HCUR487	06219063
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT. LD.	40.0 PSF	SEQN-	11956	
DUR. FAC.	1.25			
SPACING	24.0"	JREF-	1SZK487	Z02

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)

7.24.1
 Scale = .25"/ft.



TC LL	20.0 PSF	REF	R487 - 79096
TC DL	10.0 PSF	DATE	08/07/06
BC DL	10.0 PSF	DRW	HCUSR487 06219032
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEQN-	11928

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSC 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 303 DUNBAR DR., SUITE 200, MADISON, WI 53719) AND NIAA (WOOD TRUSS COUNCIL OF AMERICA, 6000 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO FIELDING 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 THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY NIPA AND TPI). ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/A/S/R) ASH 4053 GRADE 40/60 (K/LSI 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 AMEC AS ONSITE (11-2002) AND (2) SHALL BE PER AMEC AS ONSITE (11-2002) FOR THE DESIGNER'S DESIGN SHOWN. 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 Marley Drive
 Haines City, FL 33844
 Phone: (888) 567-5671

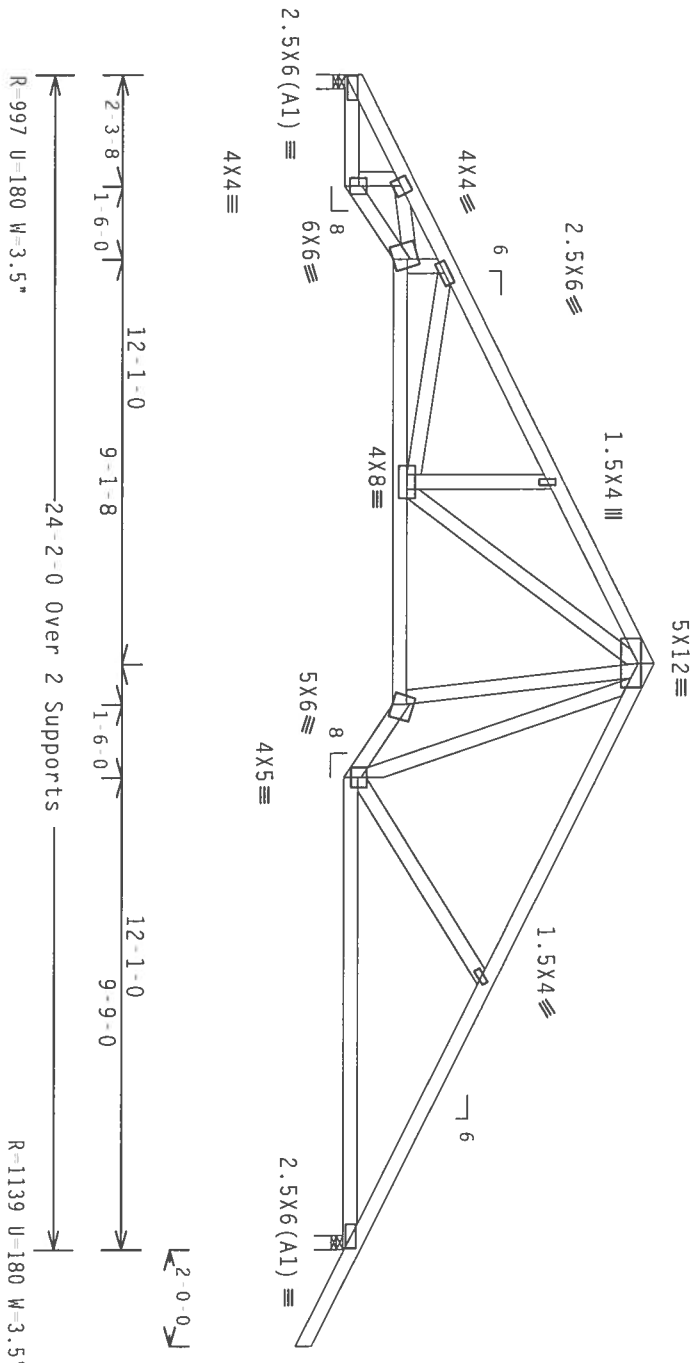
DUR. FAC.	1.25	JRFF -	1SZK487 Z02
SPACING	24.0"		

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.

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

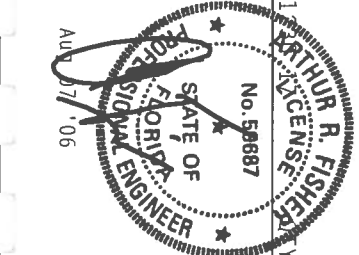
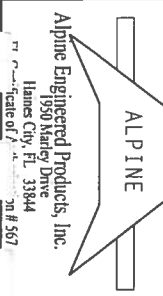
Design Crit: TPI-2002(STD) / FBC
 Cq/RT=1.00(1.25)/10(0)

7.24.1

Scale = .25" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR THE DESIGN AND CONSTRUCTION OF TRUSSES. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE TRUSS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF THE TRUSS. THE CONTRACTOR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE INTERNATIONAL DESIGN SPEC. BY AFRAY AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S) ASTM A653 GRADE 40/60 (H. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AFRAY AND TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AFRAY/TPI 1 SEC. 2.



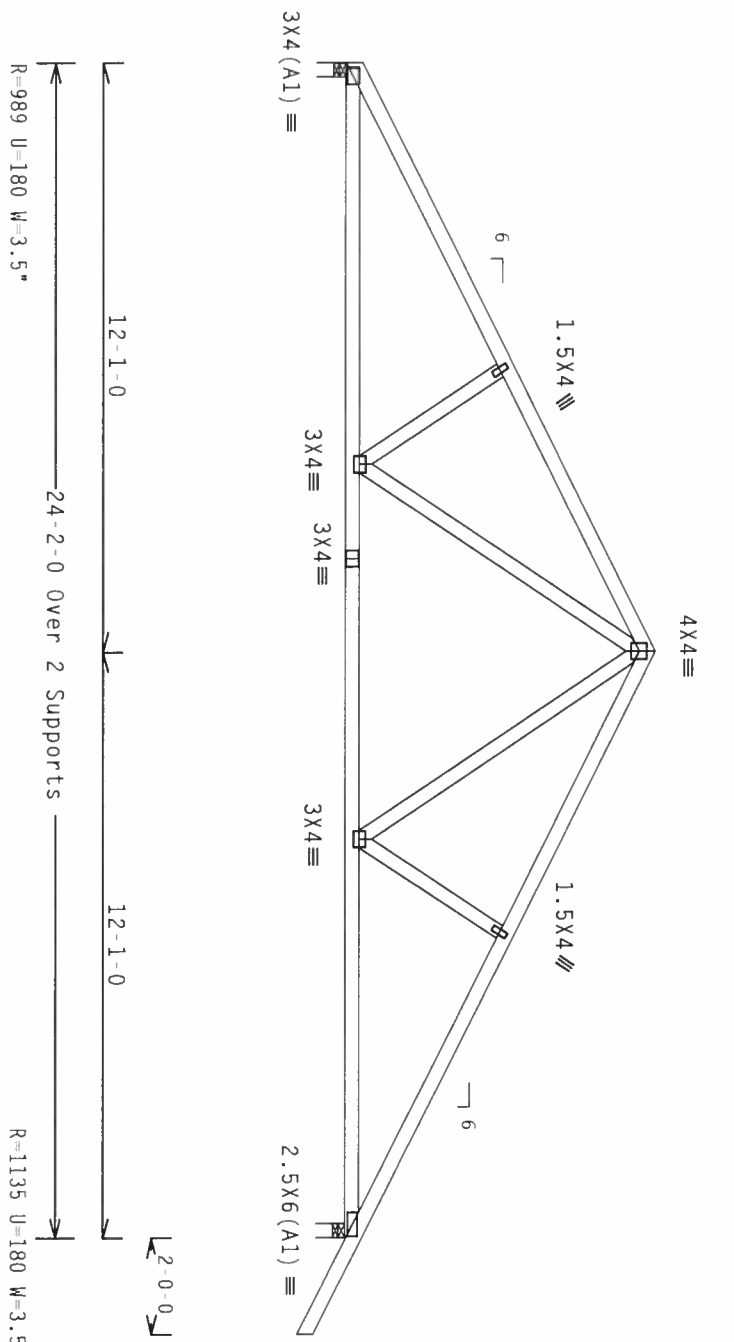
TC LL	20.0 PSF	REF R487 - 79098
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUR487 06219034
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 11930
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1SZKAR7 202

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.

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.



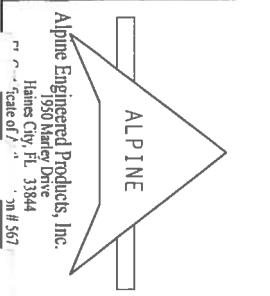
PLT TYP. Wave

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

7.24.1

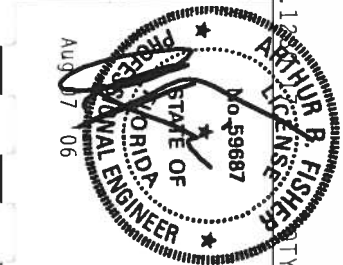
FL/-/4/-/R/-

Scale = .25"/ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (ENCL. 1) FOR ADDITIONAL INFORMATION. PRODUCE BY TPI TRUSSES AND BRACING COMPANY OR, SUITE 200, HADISON, NJ 07619) AND WEA (WOOD TRUSS CONECT. OF AMERICA, 6100 INTERPULSE LN, HADISON, NJ 07619) FOR SAFETY PRACTICES PRIOR TO REFORMING 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/NA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/50 (K. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T60A Z. ANY INTERSECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. DRAWING INDICATES ACCEPTABLE CONNECTIONS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. SECTION 5.01.1.1.



TC LL	20.0 PSF	REF R487 - 79099
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUR487 06219035
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 11932
DUR. FAC.	1.25	
SPACING	24.0"	DRW- 1SZK487 202

Top chord 2x4 SP #2 Dense :T3, T4 2x6 SP #1 Dense:
 Bot chord 2x4 SP #2 Dense :B3, B4 2x6 SP #1 Dense:
 Webs 2x4 SP #3 :W4 2x4 SP #2 Dense:

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.

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.33" DL: 0.52" recommended camber 7/8"

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

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

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

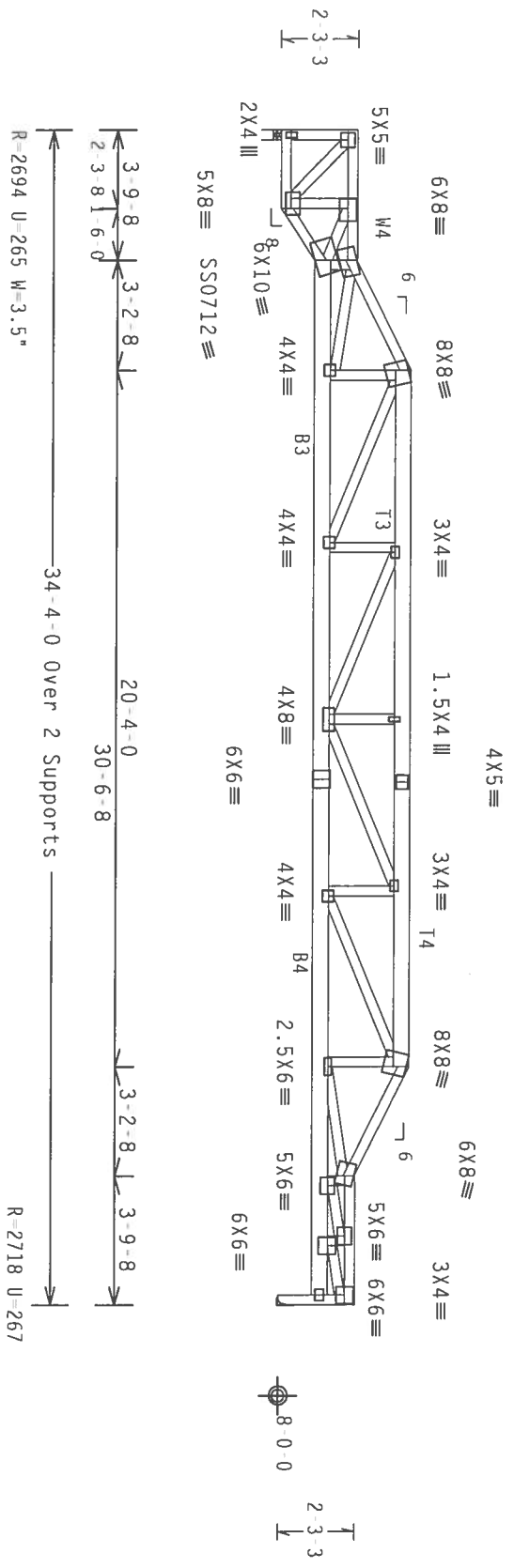
2 COMPLETE TRUSSES REQUIRED

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

Calculated horizontal deflection is 0.10" due to live load and 0.15" due to dead load.

#1 hip supports 7-0-0 jacks W/2 panel TC and no end vert.

LEG DOWN DESIGNED FOR VERTICAL LOADS ONLY



PLT TYP. 18 Gauge HS, Wave

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

7.24.1.2

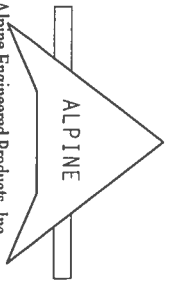
FL/-/4/-/R/-

Scale = .1875"/ft.

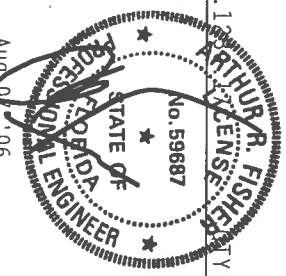
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES 1-03 (BUILDING COMPONENT SAFETY INFORMATION) FOR MORE INFORMATION. THIS TRUSS IS DESIGNED FOR A HADISON, MI 53219) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN FEET AND INCHES. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE INDICATED. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE INDICATED. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE INDICATED.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&AF) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (M/H/SX) ASTM A653 GRADE 40/60 (M. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE INDICATED. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE INDICATED. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE INDICATED. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE INDICATED.



Alpine Engineered Products, Inc.
 1950 Mary Drive
 Haines City, FL 33844
 Phone: 888-357-5677
 Fax: 888-357-5677



TC LL	20.0 PSF	REF R487-- 79100
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUR487 06219064
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SECN- 12045
DUR. FAC.	1.25	
SPACING	24.0"	JRF- 1SZK487 202

Top chord 2x4 SP #2 Dense
 Bot chord 2x4 SP #2 Dense
 Webs 2x4 SP #3 : W16 2x4 SP #2 Dense:

End verticals not exposed to wind pressure.

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

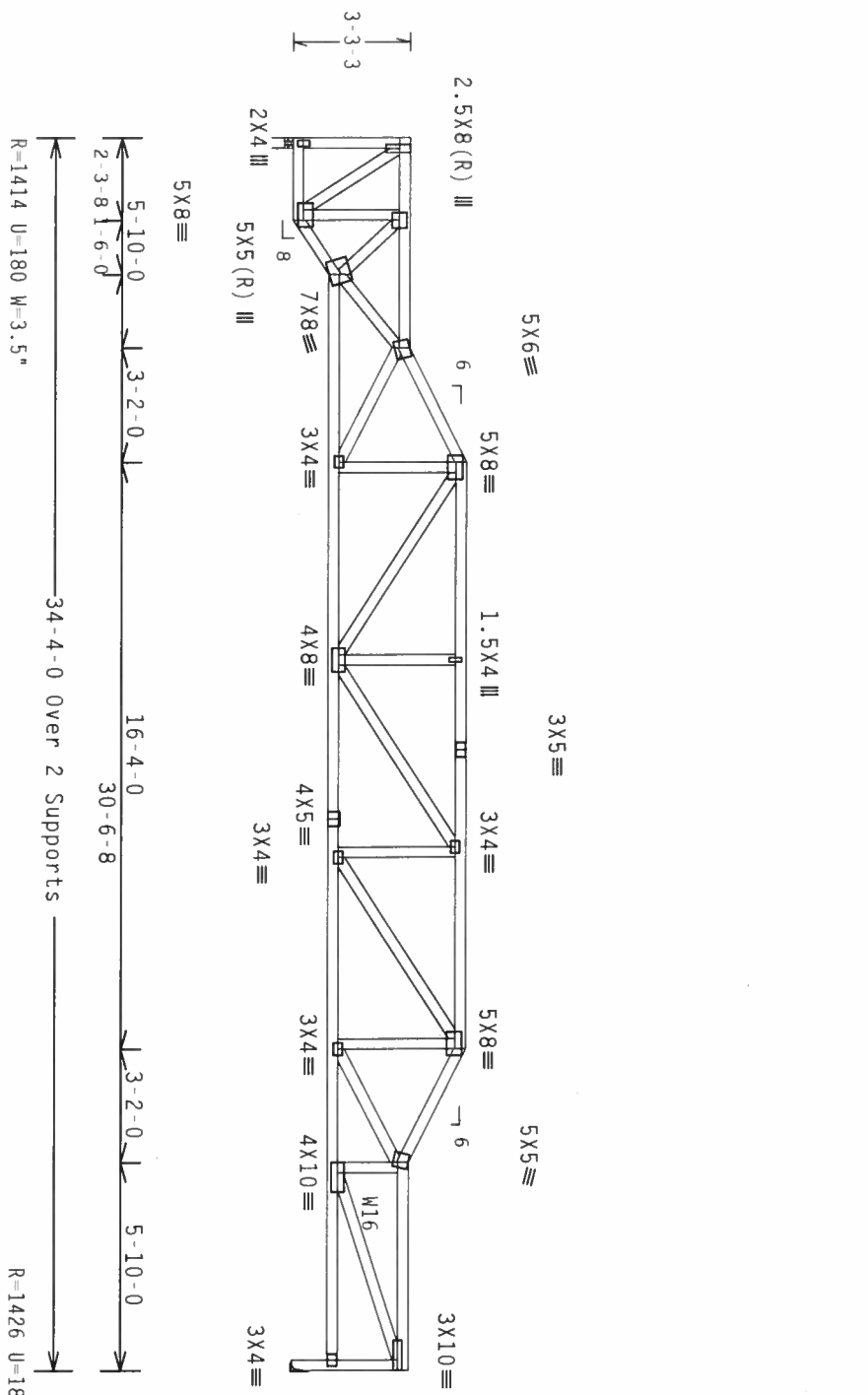
Provide for complete drainage of roof.

LEG DOWN DESIGNED FOR VERTICAL LOADS ONLY

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.

Max JT VERT DEF: LL: 0.25" DL: 0.39" recommended camber 5/8"

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



PLT TYP. Wave

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

7.24.1

Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&I 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, MI 48729, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, MI 48719) 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 THE DESIGN SPECIFICATIONS OR ANY FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AIAA 4653 GRADE 40/60 (K, K/1.5) GALV. STEEL. APPLY CONNECTION PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z.

ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE PERFORMED AS OF TPI 2002 SEC. 3. A SEAL ON THIS DESIGN SPECIFICATION SHALL BE OBTAINED FROM THE DESIGNER'S OFFICE. THE SEAL ON THIS DESIGN SPECIFICATION SHALL BE OBTAINED FROM THE DESIGNER'S OFFICE. THE SEAL ON THIS DESIGN SPECIFICATION SHALL BE OBTAINED FROM THE DESIGNER'S OFFICE.

ALPINE ENGINEERED PRODUCTS, INC. 1950 Marney Drive, Gainesville, FL 32644

Alpine Engineered Products, Inc. 1950 Marney Drive, Gainesville, FL 32644

File # 567



TC LL	20.0 PSF	REF	R487-- 79101
TC DL	10.0 PSF	DATE	08/07/06
BC DL	10.0 PSF	DRW	HCUSR487 06219057
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEQN-	12025
DUR. FAC.	1.25		
SPACING	24.0"	JREF	1SZK487_Z02

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

End verticals not exposed to wind pressure.

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

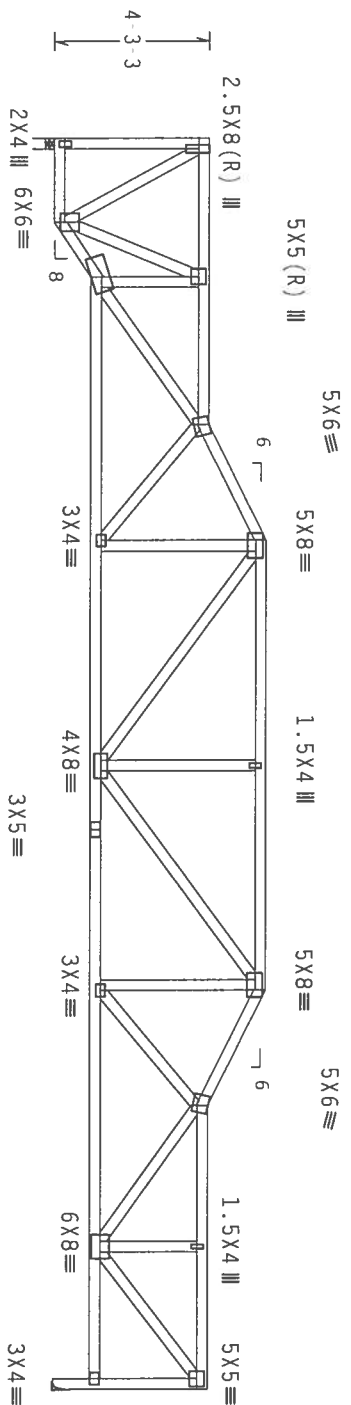
Provide for complete drainage of roof.

LEG DOWN DESIGNED FOR VERTICAL LOADS ONLY

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.

Max JT VERT DEF: LL: 0.17" DL: 0.27" recommended camber 1/2"

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



7-10-0 12-4-0 7-10-0
 2-3-8 1-6-0 1-3-2-0 30-6-8 1-3-2-0 7-10-0
 R-1414 U=180 W=3.5" 34-4-0 Over 2 Supports R-1426 U=180

PLT TYP. Wave

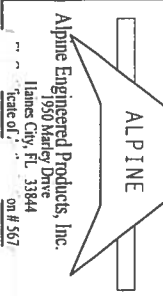
Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/10(0)

ARTHUR R. FISHER
 LICENSE NO. 99687
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

Scale = .1875"/ft.

****WARNINGS**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (INCLUDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE TRUSS PLATE INSTITUTE (BOSTON, MA 02128), (SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6800 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.

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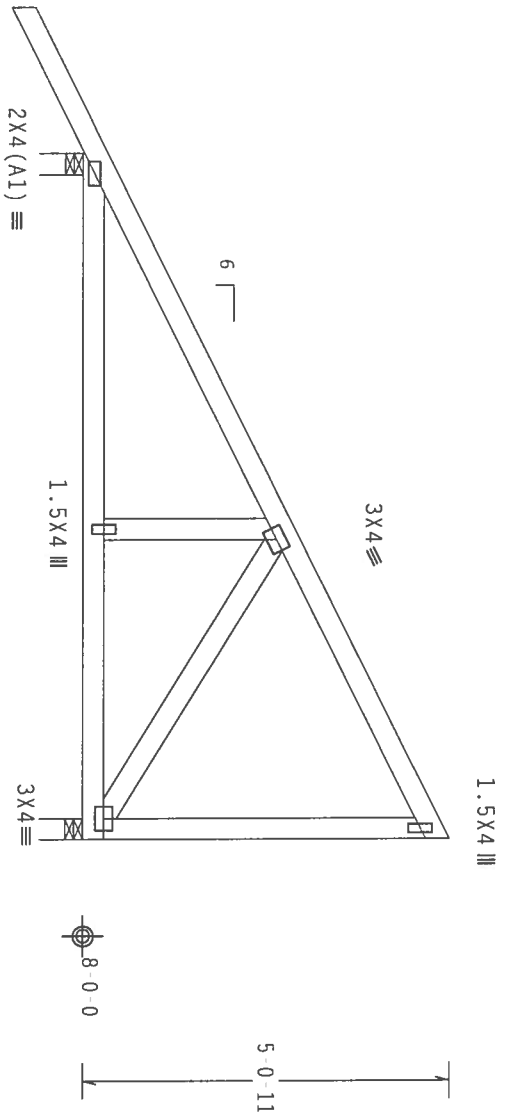
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TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUR487 06219058
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 12018
DUR. FAC.	1.25	
SPACING	24.0"	JREF - 1SZK487 202

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.

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.



← 2-0-0 →
 R=544 U=180 W=3.5*
 9-5-0 Over 2 Supports
 R=365 U=180 W=3.5*

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

PLT TYP. Wave

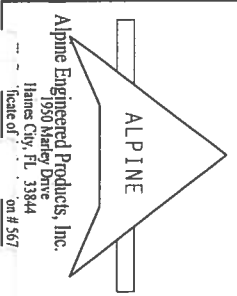
7.24

TY: 1

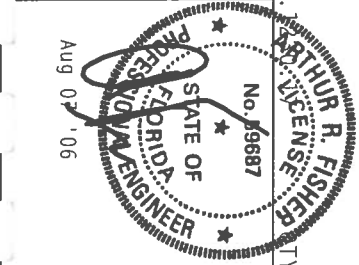
Scale = .375"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (INCLUDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., SUITE 200, MADISON, WI 53719) AND WICK (WOOD TRUSS) COMMITTEE 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.

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Alpine Engineered Products, Inc.
 1950 Marley Drive
 Gainesville, FL 32608
 Phone: 352-384-5671
 Fax: 352-384-5672
 Email: sales@alpineeng.com



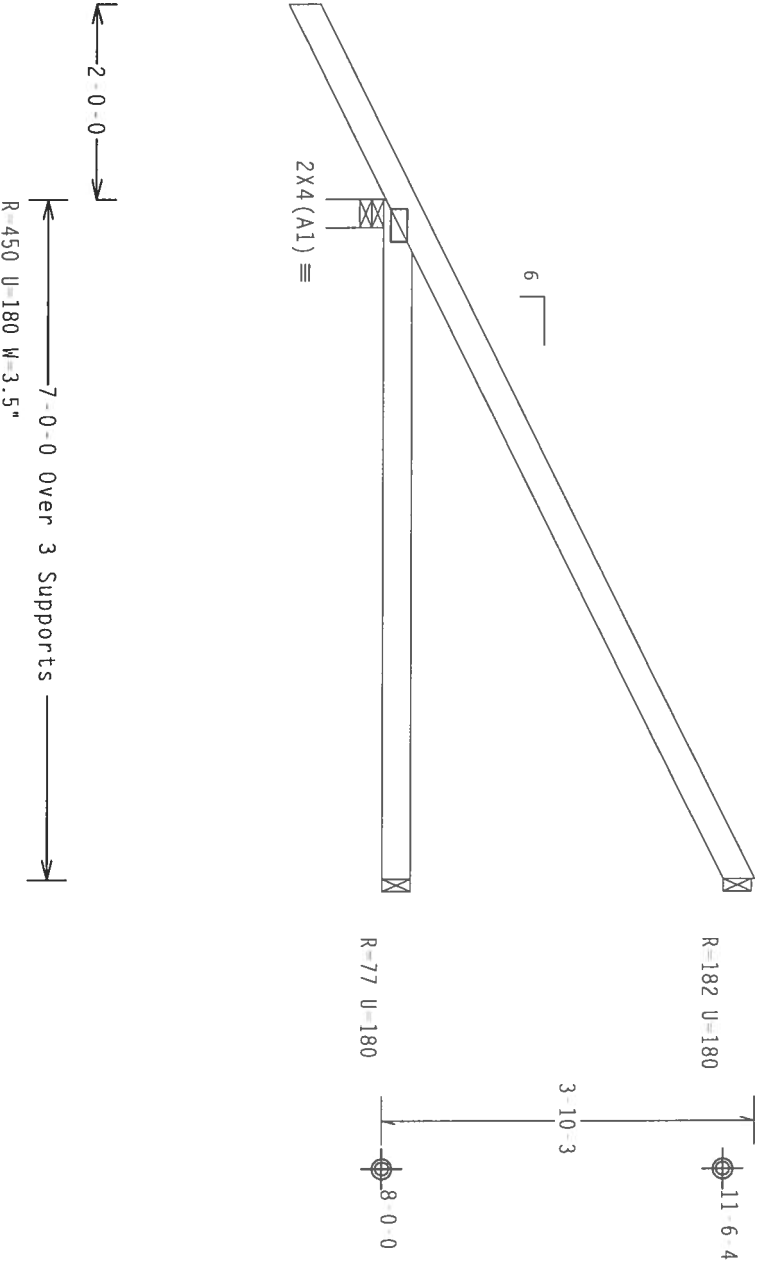
FL / - / 4 / - / - / R / -	TC LL	20.0 PSF	REF	R487 - 79103
	TC DL	10.0 PSF	DATE	08/07/06
	BC DL	10.0 PSF	DRW	HCUR487 06219036
	BC LL	0.0 PSF	HC-ENG	JB/AF
	TOT. LD.	40.0 PSF	SEQN-	11943
	DUR. FAC.	1.25		
	SPACING	24.0"	JREF-	1SZK487 202

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

7.24

FL/-/4/-/R/-

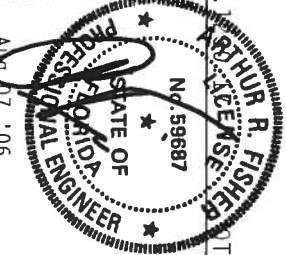
Scale = .5"/ft.

****WARNING**** THESE REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS IS TO BE ASSEMBLED AND ERECTED BY A QUALIFIED TRUSSER. THE TRUSSER SHALL BE RESPONSIBLE FOR THE PROPER CONNECTION OF ALL MEMBERS AND BRACING. THE TRUSSER SHALL BE RESPONSIBLE FOR THE PROPER CONNECTION OF ALL MEMBERS AND BRACING. THE TRUSSER SHALL BE RESPONSIBLE FOR THE PROPER CONNECTION OF ALL MEMBERS AND BRACING. THE TRUSSER SHALL BE RESPONSIBLE FOR THE PROPER CONNECTION OF ALL MEMBERS AND BRACING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AIA/PAI AND TPI-2002. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (M.H/S/K) ASTM A653 GRADE 40/60 (M, K/11.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2 AND 160B. ANY INSPECTION OF TRUSSES FOLLOWED BY (1) SHALL BE PER AIA/PAI AND TPI-2002 SEC. 3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT DESIGN AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIA/PAI SEC. 7.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Phone: 888-367-3677
Fax: 888-367-3677



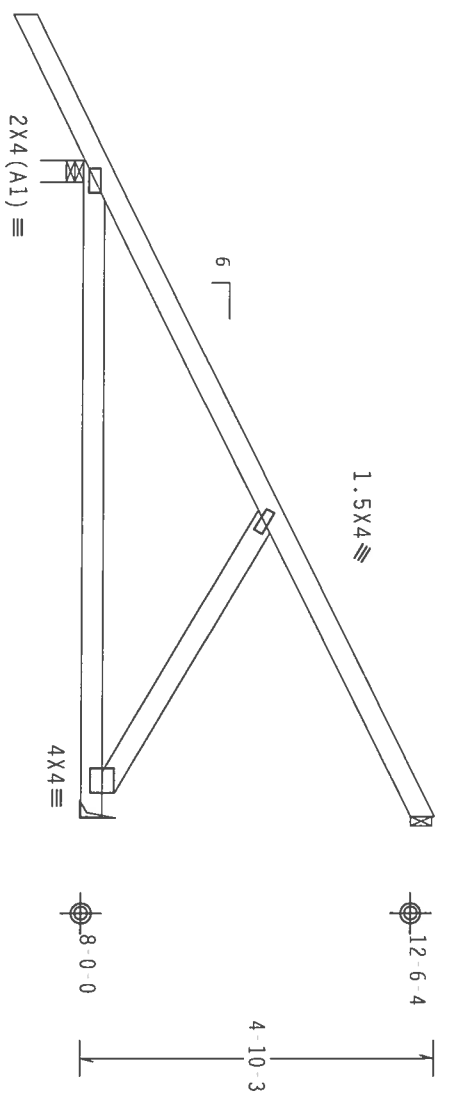
TC LL	20.0 PSF	REF R487 -- 79105
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUSR487 06219037
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEON- 11922
DUR.FAC.	1.25	
SPACING	24.0"	JRFF- 1SZK487 202

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.

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.



9-0-0 Over 3 Supports
 R=528 U=180 W=3.5"
 R=249 U=180

PLT TYP. Wave

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

7.24.1

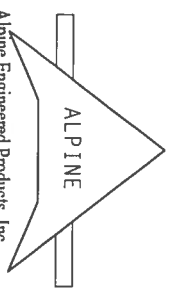
FL/-/4/-/R/-

Scale = .375"/ft.

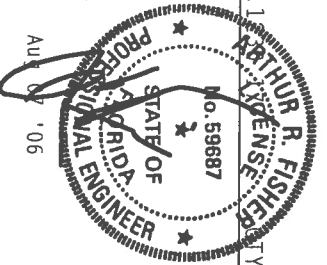
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, 1000 W. WASHINGTON DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE BLVD, MADISON, 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.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THIS DESIGN. POSITION PER DRAWINGS 1604.2, 1604.3, 1604.4, 1604.5, 1604.6, 1604.7, 1604.8, 1604.9, 1604.10, 1604.11, 1604.12, 1604.13, 1604.14, 1604.15, 1604.16, 1604.17, 1604.18, 1604.19, 1604.20, 1604.21, 1604.22, 1604.23, 1604.24, 1604.25, 1604.26, 1604.27, 1604.28, 1604.29, 1604.30, 1604.31, 1604.32, 1604.33, 1604.34, 1604.35, 1604.36, 1604.37, 1604.38, 1604.39, 1604.40, 1604.41, 1604.42, 1604.43, 1604.44, 1604.45, 1604.46, 1604.47, 1604.48, 1604.49, 1604.50, 1604.51, 1604.52, 1604.53, 1604.54, 1604.55, 1604.56, 1604.57, 1604.58, 1604.59, 1604.60, 1604.61, 1604.62, 1604.63, 1604.64, 1604.65, 1604.66, 1604.67, 1604.68, 1604.69, 1604.70, 1604.71, 1604.72, 1604.73, 1604.74, 1604.75, 1604.76, 1604.77, 1604.78, 1604.79, 1604.80, 1604.81, 1604.82, 1604.83, 1604.84, 1604.85, 1604.86, 1604.87, 1604.88, 1604.89, 1604.90, 1604.91, 1604.92, 1604.93, 1604.94, 1604.95, 1604.96, 1604.97, 1604.98, 1604.99, 1604.100.

ALPINE ENGINEERED PRODUCTS, INC.



Alpine Engineered Products, Inc.
 1950 Manley Drive
 Gaines City, FL 33844
 Phone #567



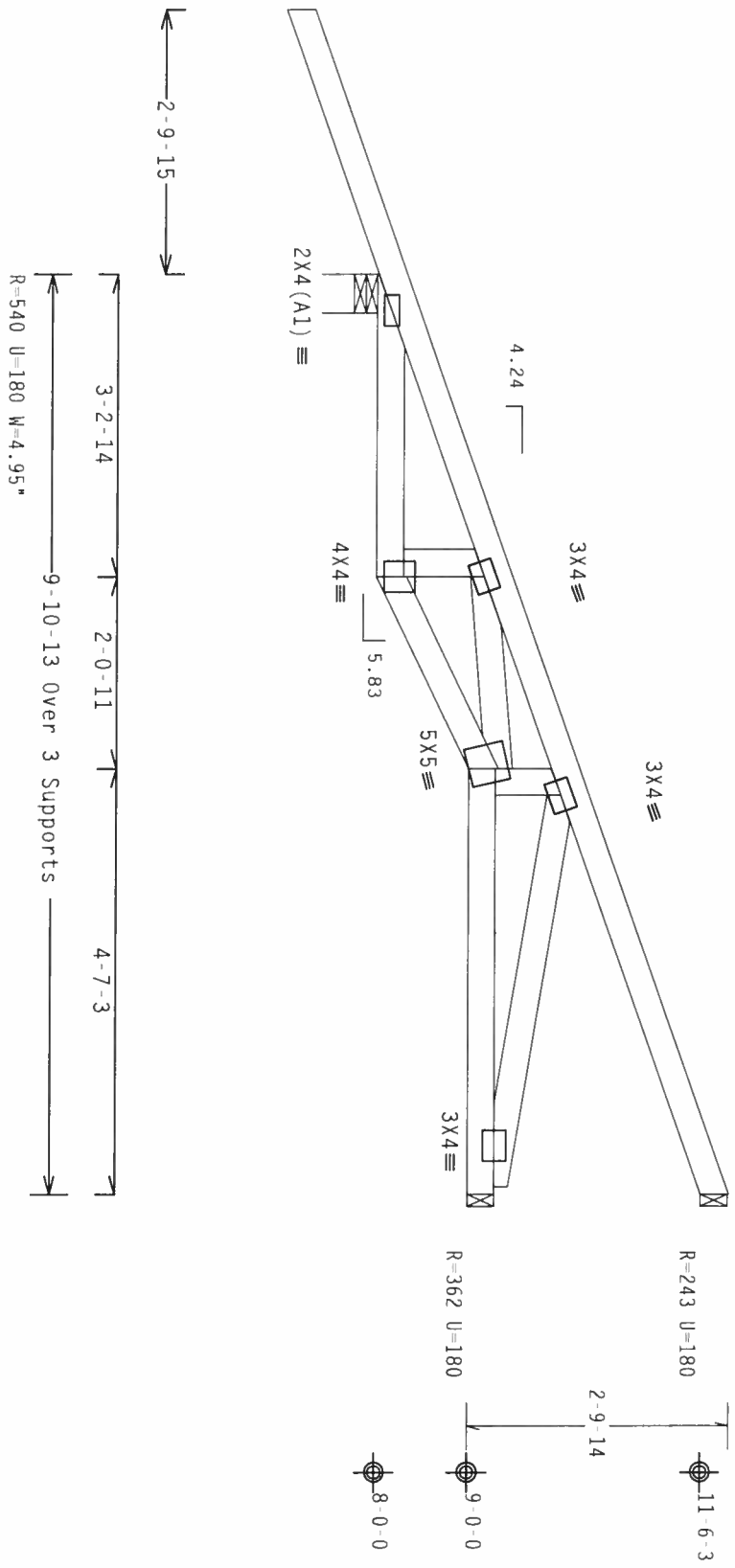
TC LL	20.0 PSF	REF R487	79106
TC DL	10.0 PSF	DATE	08/07/06
BC DL	10.0 PSF	DRW	HCUSR487 06219059
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	12004
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SZK487 Z02

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



PLT TYP. Wave

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

7.24.1

FL/-/4/-/R/-

Scale = .5"/ft.

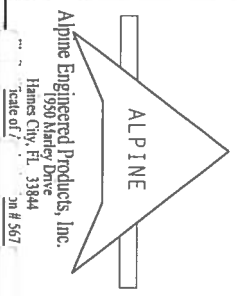
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1 03 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE NATIONAL PLUMBER PIPE FITTING AND BONDING UNION, 1500 N. MADISON, MI 53119 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE 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 THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 2002 INTERNATIONAL RESIDENTIAL CODE BOOK (IRC) AND 2002 ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W.H/S/X) ASTM A653 GRADE 40/60 (H, K,H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z.

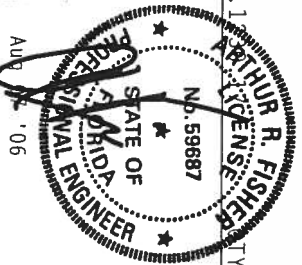
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 2002 INTERNATIONAL RESIDENTIAL CODE BOOK (IRC) AND 2002 ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W.H/S/X) ASTM A653 GRADE 40/60 (H, K,H/S) 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. 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 2002 INTERNATIONAL RESIDENTIAL CODE BOOK (IRC) AND 2002 ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W.H/S/X) ASTM A653 GRADE 40/60 (H, K,H/S) 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. 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 2002 INTERNATIONAL RESIDENTIAL CODE BOOK (IRC) AND 2002 ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W.H/S/X) ASTM A653 GRADE 40/60 (H, K,H/S) 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 Marley Drive
Haines City, FL 33984
Tel: 888-267-5677



TC LL	20.0 PSF	REF	R487 - 79107
TC DL	10.0 PSF	DATE	08/07/06
BC DL	10.0 PSF	DRW	HCSR487 06219066
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SECN-	11948
DUR. FAC.	1.25		
SPACING	24.0"	JRFF	1SZK487 Z02

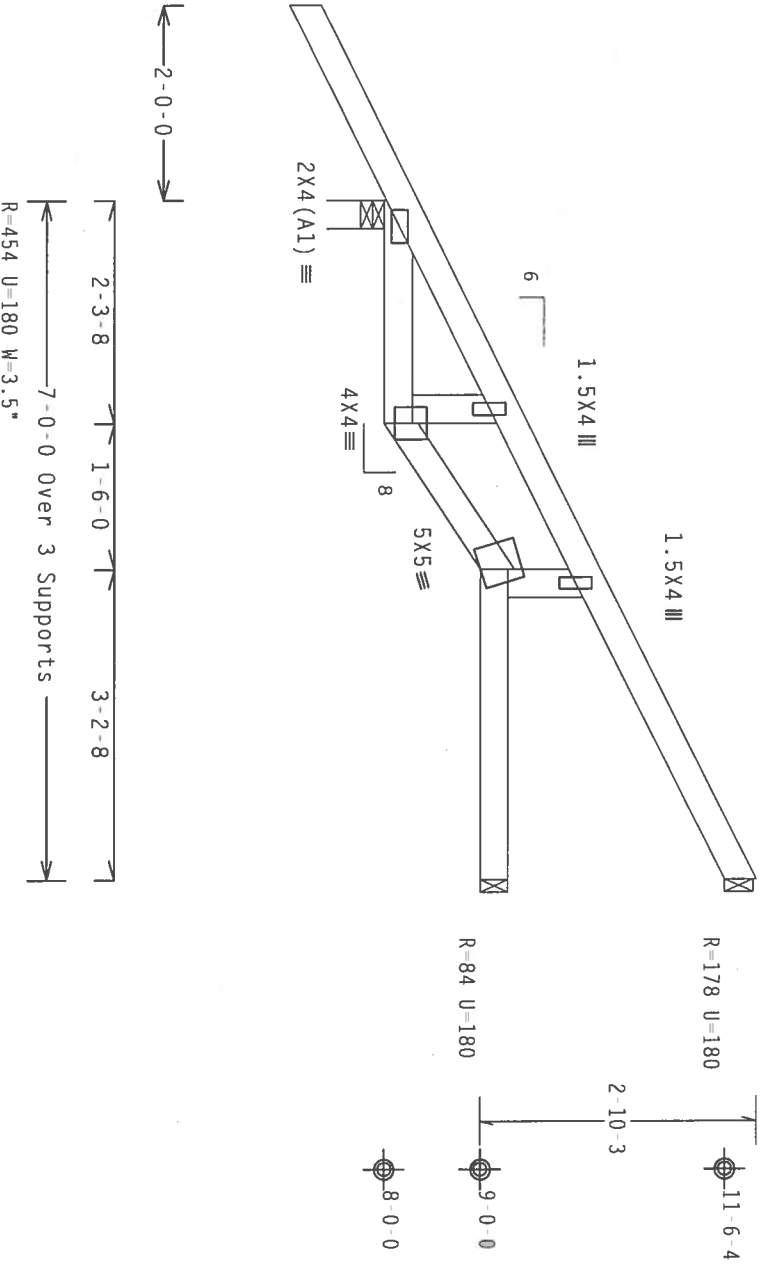
Top chord 2x4 SP #2 Dense
 Bot chord 2x4 SP #2 Dense
 Webs 2x4 SP #3

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

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

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)



TY:13 FL/-/4/-/R/-

Scale = .5"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFRIGERATED TRUSSES MUST BE PROTECTED FROM EXCESSIVE HEAT AND MOISTURE. TRUSSES SHOULD BE STORED IN A DRY, LEVEL AREA. TRUSSES SHOULD BE HANDLED BY THE TOP CHORD OR BOTTOM CHORD. TRUSSES SHOULD BE PROTECTED FROM EXCESSIVE HEAT AND MOISTURE. TRUSSES SHOULD BE STORED IN A DRY, LEVEL AREA. TRUSSES SHOULD BE HANDLED BY THE TOP CHORD OR BOTTOM CHORD. TRUSSES SHOULD BE PROTECTED FROM EXCESSIVE HEAT AND MOISTURE. TRUSSES SHOULD BE STORED IN A DRY, LEVEL AREA. TRUSSES SHOULD BE HANDLED BY THE TOP CHORD OR BOTTOM CHORD.

****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 TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. ALPINE CONNECTION PLATES 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 DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIA/AIA OR TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWS THE QUALITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIA/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
 1950 Marley Drive
 Haines City, FL 33844
 Phone: 888-356-7272
 Fax: 888-356-7273
 Website: www.alpineeng.com

TC LL	20.0 PSF	REF R487 - 79108
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCURS487 06219038
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 11920
DUR. FAC.	1.25	
SPACING	24.0"	DRWF- 1SZK487 202

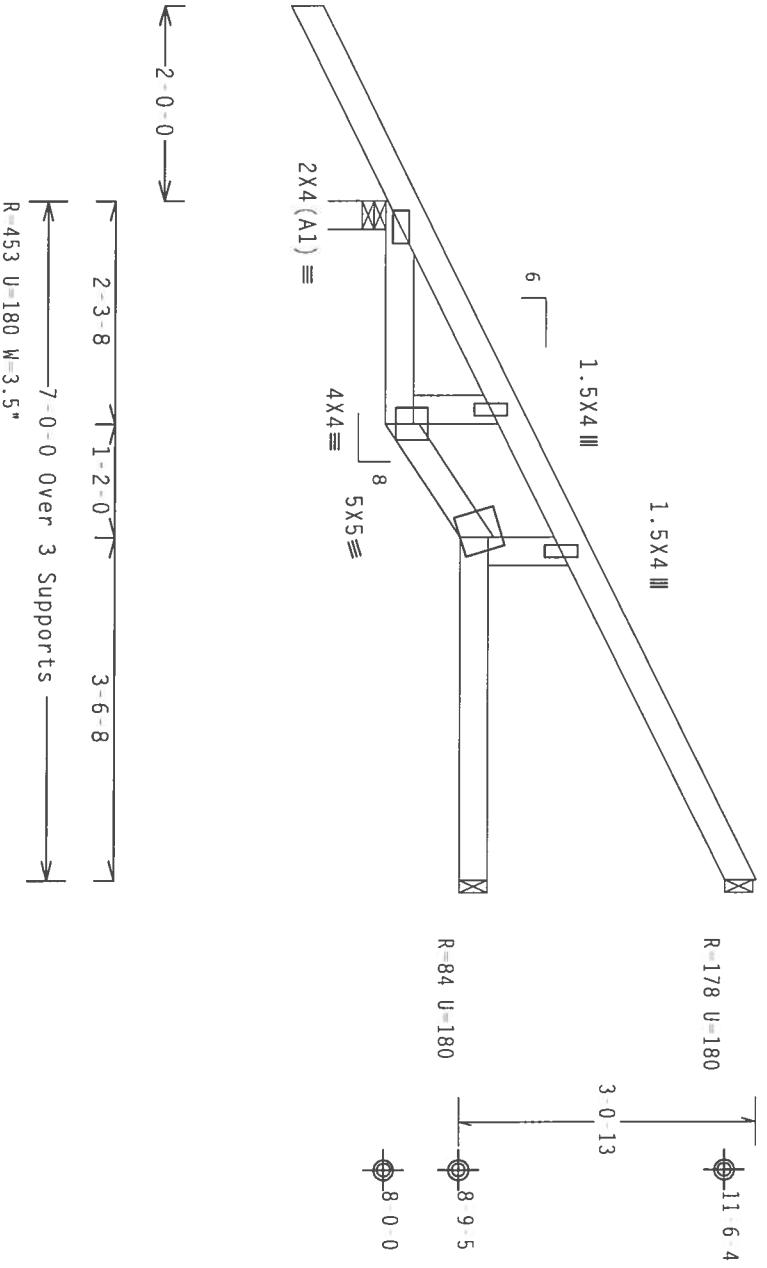
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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

ARTHUR R. FISHER
Professional Engineer
No. 59687
STATE OF FLORIDA

FL / 4 / - / R / -

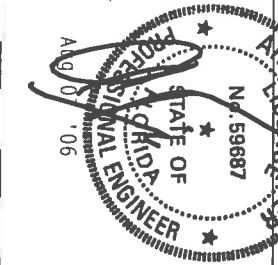
Scale = .5" / ft.

****WARNING**** INDUSTRY REQUIRE FIRING CAR IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO RES. 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 660 D'HOORFIELD DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6600 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF HD, (ADDITIONAL DESIGN SPEC. BY AREA) AND TPI. APPLICABLE CODES SHALL BE MADE OF 2010/1604 (W.A./S.F.), ASTM A653 GRADE 40/60 (G. K/HS) GALV. STEEL. APPLY CONNECTION PLATES ARE MADE OF 2010/1604 (W.A./S.F.), ASTM A653 GRADE 40/60 (G. K/HS) GALV. STEEL. APPLY ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 1604 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. REFER TO TPI 2002 SECC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER. CONSULT THE WCA SEAL ON THIS DRAWING FOR THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



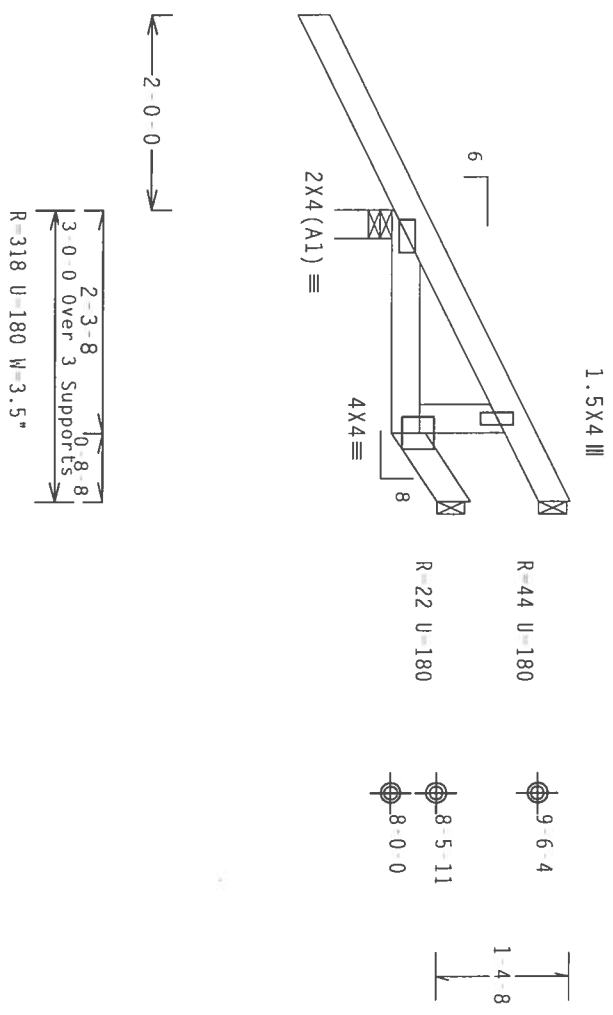
TC LL	20.0 PSF	REF R487 -- 79109
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUSR487 06219039
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT. LD.	40.0 PSF	SEON- 11921
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1SZK487_Z02

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.
 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.

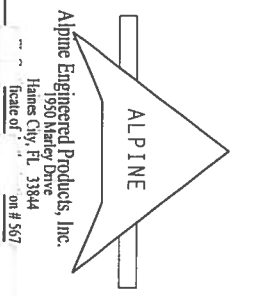
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.
 Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
 Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



PLT TYP. Wave

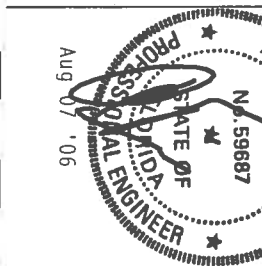
Design Crit: TPI-2002(STD) /FBC
 Cq/RT=1.00(1.25)/10(0)

ARTHUR R. FISHER
 LICENSED PROFESSIONAL ENGINEER
 No. 59687
 STATE OF FLORIDA
 EXP. DATE: 08/07/06
 QUANTITY: 8 FL/-/4/-/1-/R/-



****WARNING**** ISSUES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (INCLUDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI, INC. AT 1000 WEST 2000 MADISON, MI 53119 AND IBCA (WOOD TRUSS COMMITTEE OF AMERICA) 6300 ENTERPRISE DR., SUITE 200, MADISON, MI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** URNISH 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 IBCS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W/H/S/E) ASTM A653 GRADE 40/60 (W. K/PL/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2. UNLESS OTHERWISE NOTED, ALL DIMENSIONS SHALL BE PER AIA/AIA OR TPI 2002 SECS. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIA/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R487--79110
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCURS487 06219040
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 11915
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZK487_Z02

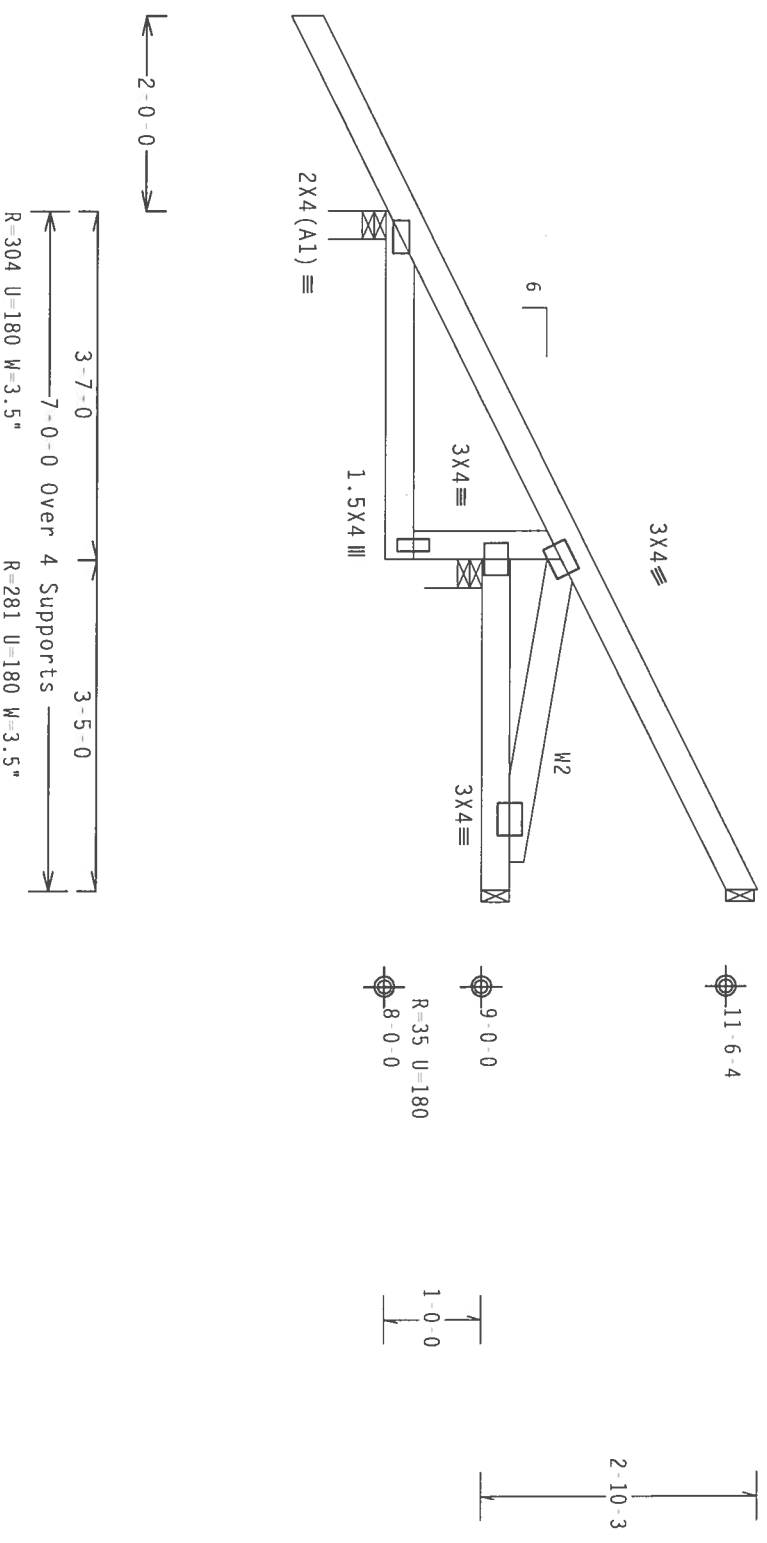
Scale = .5" / Ft.

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

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

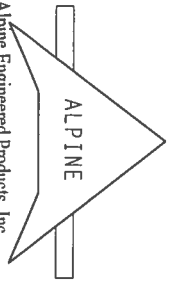
TTY:4

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

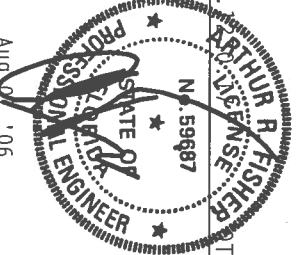
Scale = .5"/ft.

****WARNING**** TRUSSES REQUIRE EXTERIOR CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 583 DUNDON RD., SUITE 200, MADISON, MI 48131-1919 AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, MI 48131) 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 THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AREA AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/10/10GA (E/A/S/S) ASTM A653 GRADE 40/680 (K, K/HS) GALV. STEEL. APPLY ANY INSPECTION OF STATES FOLLOWED BY THE TRUSS MANUFACTURER. SECTION 3 FOR THE TOWNSHIP OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



TC LL	20.0 PSF	REF R487-79111
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUR487 06219041
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 11963
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1SZK487_Z02

Top Chord 2x4 SP #2 Dense
Bot Chord 2x6 SP #2 :B3 2x6 SP #1 Dense:
Webs 2x4 SP #3

SPECIAL LOADS

TC - From	62 PLF at 0.00 to	62 PLF at 9.42
BC - From	20 PLF at 0.00 to	20 PLF at 2.29
BC - From	24 PLF at 2.29 to	24 PLF at 3.79
BC - From	20 PLF at 3.79 to	20 PLF at 9.42
BC - From	214 LB Conc. Load at	1.92
BC - From	2718 LB Conc. Load at	3.96
BC - From	1426 LB Conc. Load at	5.90, 7.90

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

LEG DOWN DESIGNED FOR VERTICAL LOADS ONLY

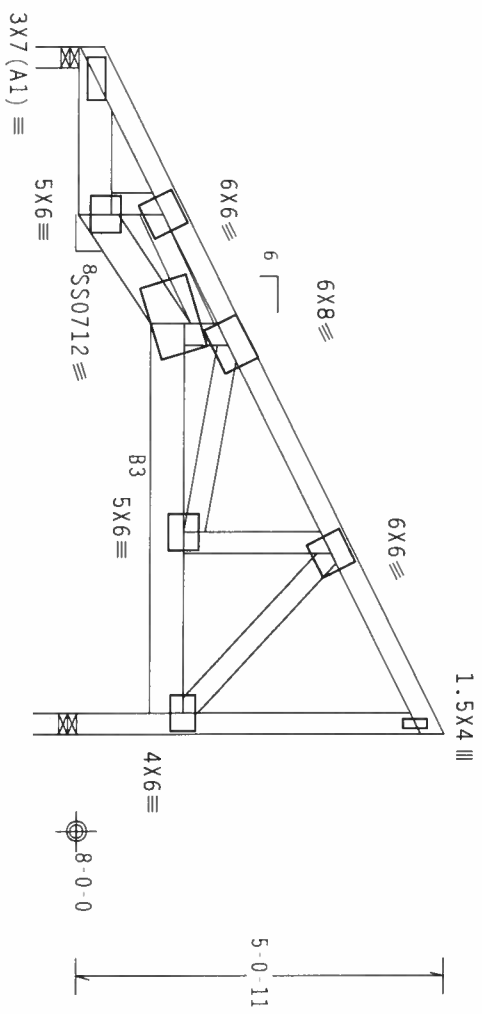
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25", min.)_nails)
Top Chord: 2 Rows @12.00" o.c.
Bot Chord: 2 Rows @6.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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



2-3-8
1-6-0
5-7-8
9-5-0 Over 2 Supports
R=2888 U=269 W=3.5"
R=3676 U=365 W=3.5"

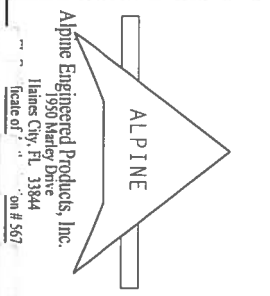
PLT TYP. 18 Gauge HS,Wave

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

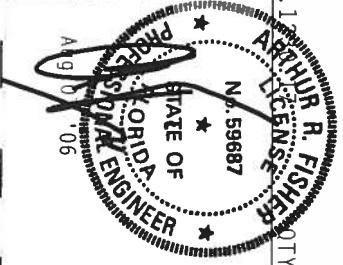
QTY:1

FL/-/4/-/R/-

Scale = .375"/Ft.



ALPINE ENGINEERED PRODUCTS, INC.
1950 Mandy Drive
Haines City, FL 33844
Phone: 888-367-5677
Fax: 888-367-5678



TC LL	20.0 PSF	REF R487-- 79112
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUSR487 06219067
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 12053 REV
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1SZK487_202

Top chord 2x4 SP #2 Dense
 Bot chord 2x8 SP SS
 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.

(A) Continuous lateral bracing equally spaced on member.

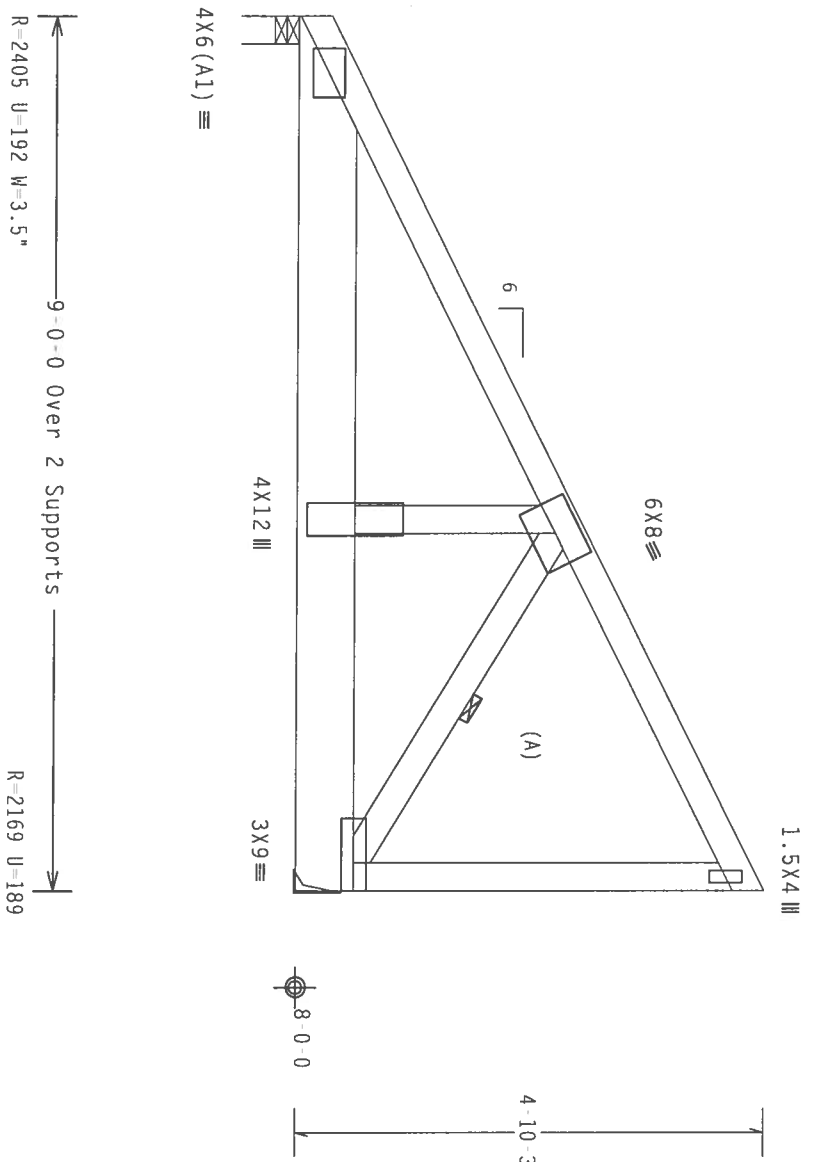
In lieu of structural panels or rigid ceiling use purllins to brace TC @ 24" OC, BC @ 24" OC.

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
 TC - From 62 PLF at 0.00 to 62 PLF at 9.00
 BC - From 20 PLF at 0.00 to 20 PLF at 9.00
 BC - 211 LB Conc. Load at 1.01
 BC - 1777 LB Conc. Load at 2.98
 BC - 922 LB Conc. Load at 4.98, 6.98

Right end vertical not exposed to wind pressure.

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



PLT TYP. Wave

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

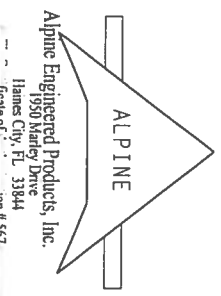
7.24

QTY: 1

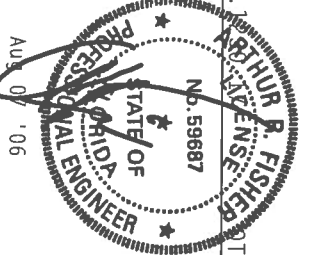
Scale = .5" /ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 530 NORTH DEARBORN DR., SUITE 200, HANSON, MI 48129, AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.) 530 NORTH DEARBORN DR., SUITE 200, HANSON, MI 48129 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 THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, CONNECTIONS WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.) 530 NORTH DEARBORN DR., SUITE 200, HANSON, MI 48129, OR AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.) 530 NORTH DEARBORN DR., SUITE 200, HANSON, MI 48129, SHALL BE THE RESPONSIBILITY OF THE TRUSS CONTRACTOR. UNLESS OTHERWISE INDICATED, ALL CONNECTIONS SHALL BE MADE OF 304/18/18GA (G.A./H/S/G) ASH 4653 GRADE 40/60 (G. K21/S) GALV. STEEL. APPLY ALL APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.) 530 NORTH DEARBORN DR., SUITE 200, HANSON, MI 48129. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PRODUCT RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

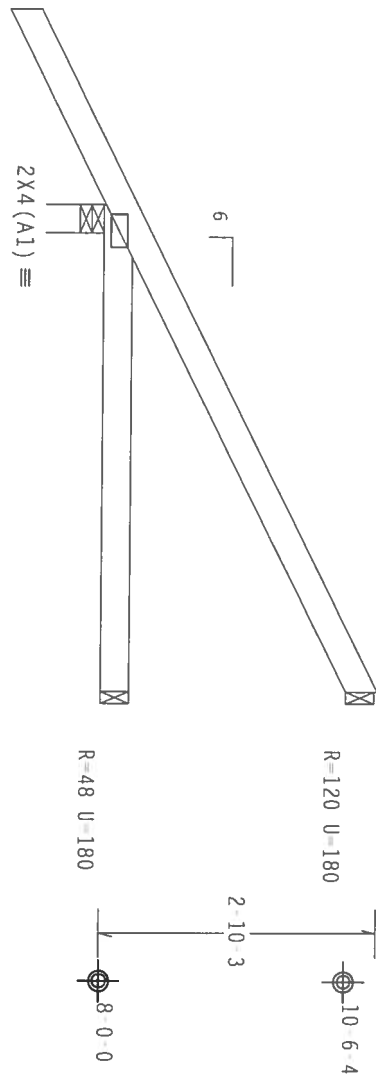


FL	/	4	/	/	R		REF	DATE	DATE
TC	LL	20.0	PSF			R487	79113	08/07/06	
BC	DL	10.0	PSF			DRW	HCSUR487	06219068	
BC	DL	10.0	PSF			HC-ENG	JB/AF		
BC	LL	0.0	PSF			SECON		11998	
TOT.	LD.	40.0	PSF						
DUR.	FAC.	1.25							
SPACING		24.0"							

JREF - 1SZK487_Z02

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.



2-0-0
 5-0-0 Over 3 Supports
 R-377 U=180 W=3.5"

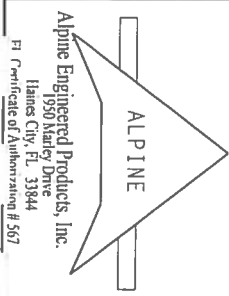
PLT TYP. Wave

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

ARTHUR R. FISHER
 No. 59687
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 AUG 07 '06

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31.1 ON (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE TRUSS PLATE INSTITUTE, 503 DORNER DR., SUITE 200, MADISON, WI 53719 AND WICK (WOOD TRUSS COUNCIL OF AMERICA, GOOD ENTERPRISE IN 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. A PRIME ENGINEERED PRODUCT, THIS SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS.



Alpine Engineered Products, Inc.
 1950 Stanley Drive
 Haines City, FL 33844
 P1 Certificate of Authorization # 967

TC LL	20.0 PSF	REF	R487--79114
TC DL	10.0 PSF	DATE	08/07/06
BC DL	10.0 PSF	DRW	HCSR487 06219042
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEQN-	11917
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1SZK487_202

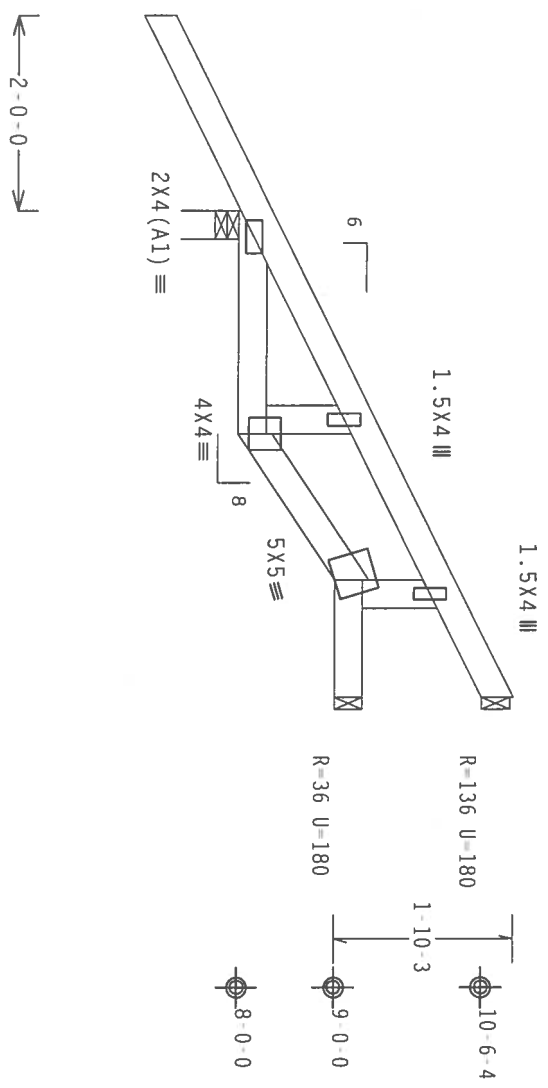
Scale = .5"/ft.

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.

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

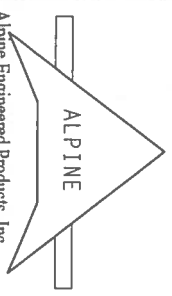
QTY: 7

FL/-/4/-/R/-

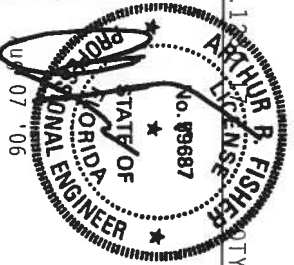
Scale = .5" /ft.

****WARNING**** USER'S EXERCISE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1 03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL BUILDRING CONGRESS, 1100 N. MADISON DR., SUITE 200, MADISON, WI 53719 AND WCA (WOOD BRASS CONNCT), 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.

****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, CONNECTION PLATES AND ROOF OR 20/18/15GA (W.H/S/K) ASTM A653 GRADE 40/60 (G, K/H/S) GALV. STEEL. ALPINE ENGINEERED PRODUCTS, INC. 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. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF THIS DESIGN 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 Mary Drive
 Haines City, FL 33844
 Phone # 567



TC LL	20.0 PSF	REF R487-- 79115
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUSR487 06219043
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT. LD.	40.0 PSF	SEQN- 11914
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1SZK487_Z02

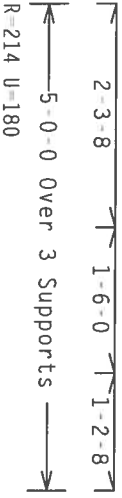
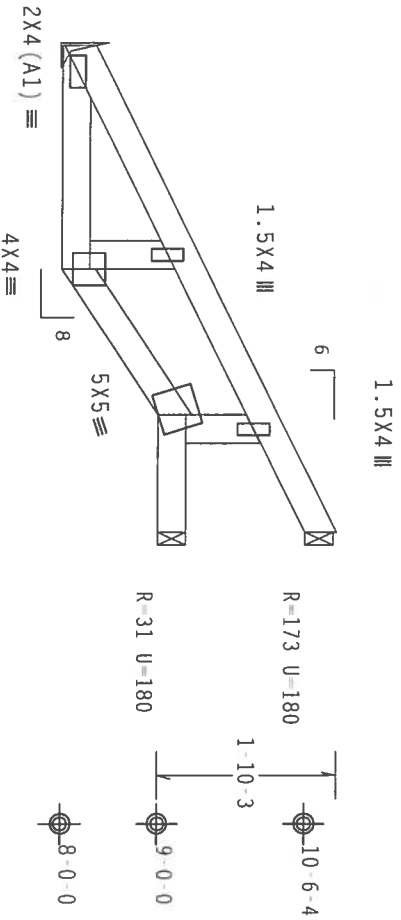
Top chord 2x4 SP #2 Dense
 Bot chord 2x4 SP #2 Dense
 Webs 2x4 SP #3

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

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

7.24.1

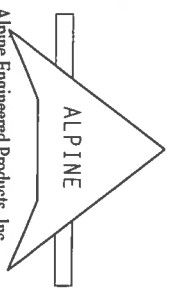
QTY: 1

FL/-/4/-/R/-

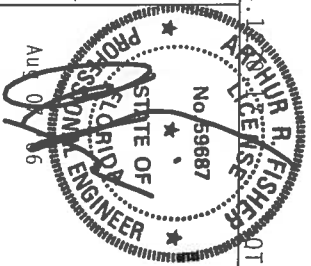
Scale = .5"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGN AND CONSTRUCTION REQUIREMENTS FOR TRUSS INFORMATION. PUBLISHED BY TPI, 1000 ENTERPRISE DR., SUITE 200, MADISON, WI 53719 AND WEA (WOOD BRUSS) COUNCIL OF AMERICA, 600 ENTERPRISE DR., SUITE 200, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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



Alpine Engineered Products, Inc.
 1950 Manley Drive
 Haines City, FL 33844
 Phone # 567



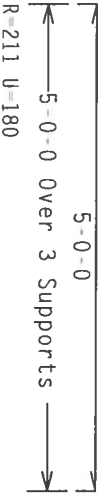
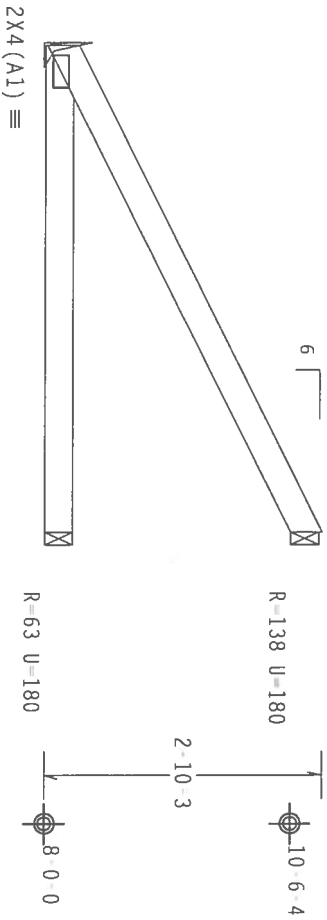
TC LL	20.0 PSF	REF R487--79116
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUSR487 06219044
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEQN- 12010
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1SZK487_202

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

7.24.1

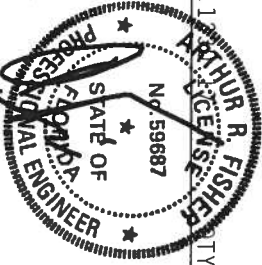
FL/-/4/-/R/-

Scale = .5"/ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Manley Drive
Haines City, FL 33884
Tel: 888-367-567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST COPY OF BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE NATIONAL BUILDRING TRUSS MANUFACTURERS ASSOCIATION, 53719 W. MADISON, MI 48319 AND WEA CHORD BRUSS COUNCIL OF AMERICA, 6100 ENTERPRISE BLVD, MADISON, MI 48319 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ANAF) AND TPI-2002. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W.4/S/S) ASTM A653 GRADE 40/60 (W. K/1.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A & 160B. INSTALLATION OF PLATES FOR LORDED BY (1) SHALL BE PER ANAF 4.3 OR TPI-2002 SEC. 2. A SEAL ON THIS DRAWING INDICATES THE LOCATION OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWN. CONSULT THE SPECIFICATIONS OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/TP1 SEC. 2.



TC LL	20.0 PSF	REF R487 -- 79117
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUR487 06219045
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 11980
DUR. FAC.	1.25	
SPACING	24.0"	JRFF - 1SZK487 202

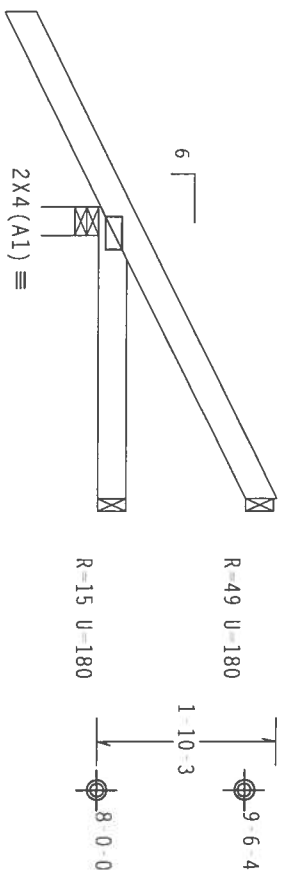
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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, Located anywhere in roof, CAT II, EXP 8, 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.

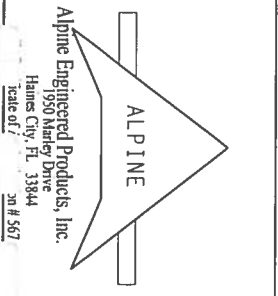


PLT TYP. Wave

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

ARTHUR R. FISHER
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
AUG 07 '06

Scale = .5" / Ft.



****WARNING**** TRUSSES REQUIRE EXTERNAL CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES INCLUDING COMPLETE SKETCHES AND TRUSS SCHEDULES. CONTACT THE MANUFACTURER FOR TRUSS SCHEDULES. REFER TO THE MANUFACTURER'S TRUSS SCHEDULES FOR TRUSS SCHEDULES. THE MANUFACTURER'S TRUSS SCHEDULES SHALL BE USED FOR THE TRUSS COMPONENTS UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002(STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI-2002(STD) SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. APPLY THE CONNECTIONS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS UNLESS OTHERWISE INDICATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS UNLESS OTHERWISE INDICATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS UNLESS OTHERWISE INDICATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS UNLESS OTHERWISE INDICATED.

FL	-/4	-/R	REF	DATE
TC LL	20.0	PSF	R487	08/07/06
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 - 1SZK487 202

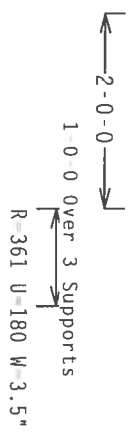
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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, 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

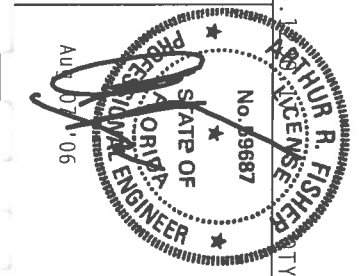
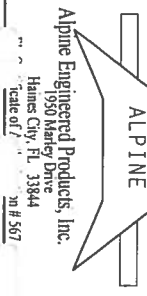
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

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

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO RCST 1.03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSSES ALICE WEST DR., DUNBRO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS 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.

****IMPORTANT**** FINISH 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 ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE CONNECTIONS TO THE WALLS AND FLOOR PLATES AND TO THE TRUSS AND UNLESS OTHERWISE INDICATED 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. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE AND PROFESSIONAL RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R487-- 79119
TC DL	10.0 PSF	DATE 08/07/06
BC DL	10.0 PSF	DRW HCUSR487 06219060
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 11916
DUR.FAC.	1.25	
SPACING	24.0"	JRFF- 1SZK487 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.

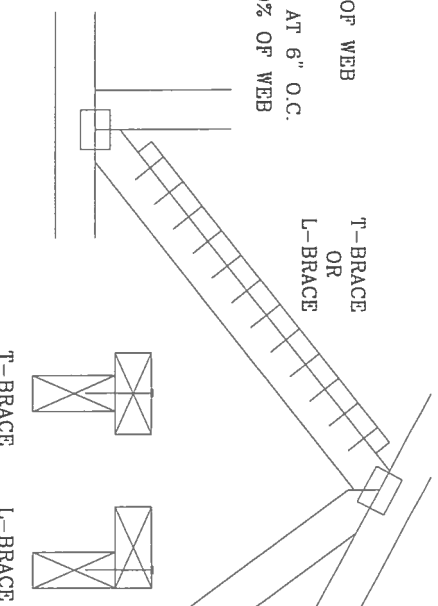
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.

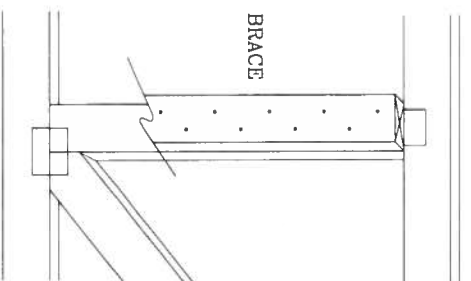
T-BRACING
OR
L-BRACING:

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



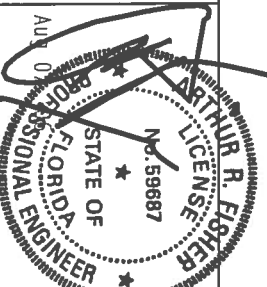
THIS DRAWING REPLACES DRAWING 579,640

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI CROSS PRODUCTS, INC. AND TPI 1-04 (TRUSS CONSTRUCTION) PUBLISHED BY TPI CROSS PRODUCTS, INC. FOR A COMPLETE LIST OF SAFETY PRACTICES PERIODICALLY ISSUED. 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 IN CONFORMANCE WITH TPI OR APPLICABLE PROVISIONS OF NOS. QUANTAL DESIGN SPEC. 4748 AND TPI. ALL THE CONNECTIONS ARE MADE OF 2024-T3 ALUMINUM AND 6061-T6 ALUMINUM. ALL DIMENSIONS ARE IN INCHES AND ANGLES ARE IN DEGREES. ANY INSPECTION OF PLATES FOLLOWED BY (D) 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.



ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRCLBSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

BEARING BLOCK NAIL SPACING DETAIL

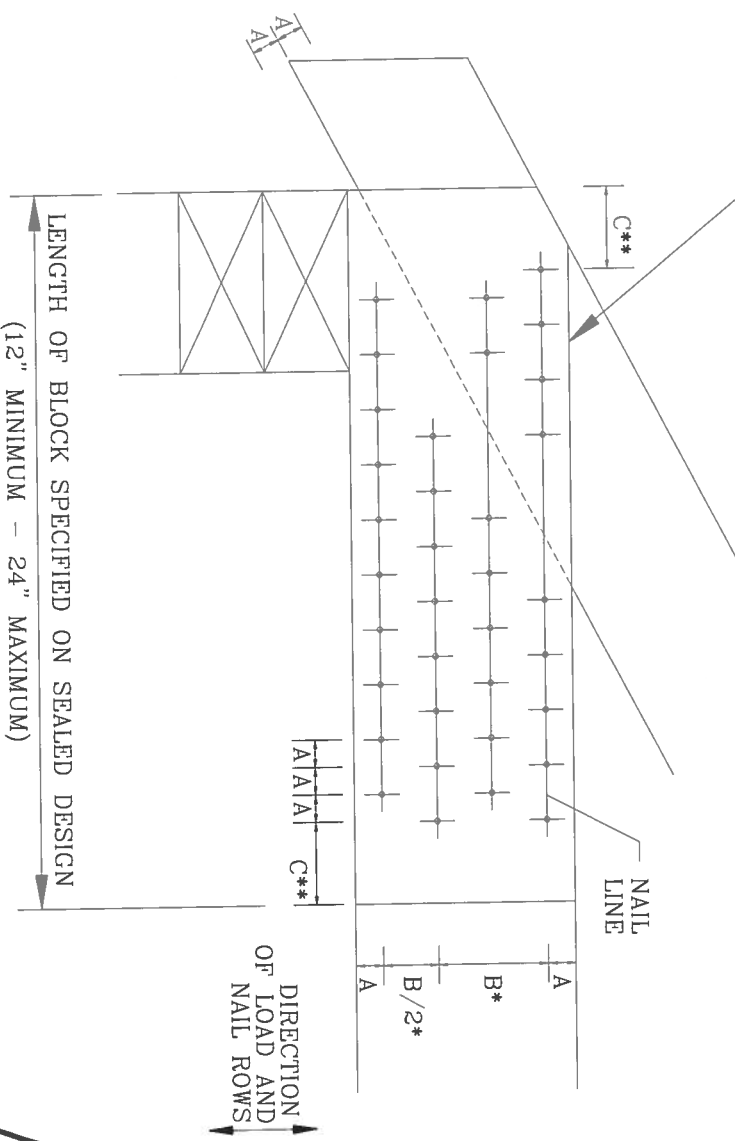
MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

- A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
- B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
- C - END DISTANCE (15 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
 * SPACING MAY BE REDUCED BY 50%
 ** SPACING MAY BE REDUCED BY 33%

BEARING BLOCKS TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (Fc-perp) IS AT LEAST THAT OF THE CHORD.



NAIL TYPE	CHORD SIZE				
	2X4	2X6	2X8	2X10	2X12
8d BOX (0.113"x2.5")	3	6	9	12	15
10d BOX (0.128"x3")	3	5	7	10	12
12d BOX (0.128"x3.25")	3	5	7	10	12
16d BOX (0.135"x3.5")	3	5	7	10	12
20d BOX (0.148"x4")	2	4	5	6	8
8d COMMON (0.131"x2.5")	3	5	7	10	12
10d COMMON (0.148"x3")	2	4	6	8	10
12d COMMON (0.148"x3.25")	2	4	6	8	10
16d COMMON (0.162"x3.5")	2	4	6	8	10
0.120"x2.5" GUN	3	6	8	11	14
0.131"x2.5" GUN	3	5	7	10	12
0.120"x3.0" GUN	3	6	8	11	14
0.131"x3.0" GUN	3	5	7	10	12

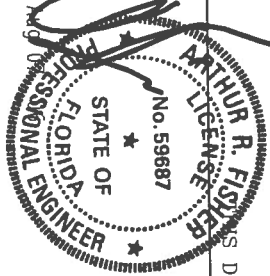
MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES		
	A	B*	C**
8d BOX (0.113"x2.5")	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"x3")	7/8"	1 5/8"	2"
12d BOX (0.128"x3.25")	7/8"	1 5/8"	2"
16d BOX (0.135"x3.5")	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"x4")	1"	1 7/8"	2 1/4"
8d COMMON (0.131"x2.5")	7/8"	1 5/8"	2"
10d COMMON (0.148"x3")	1"	1 7/8"	2 1/4"
12d COMMON (0.148"x3.25")	1"	1 7/8"	2 1/4"
16d COMMON (0.162"x3.5")	1"	2"	2 1/2"
0.120"x2.5" GUN	3/4"	1 1/2"	1 7/8"
0.131"x2.5" GUN	7/8"	1 5/8"	2"
0.120"x3.0" GUN	3/4"	1 1/2"	1 7/8"
0.131"x3.0" GUN	7/8"	1 5/8"	2"

ALPINE ENGINEERED PRODUCTS, INC.
 POMPANO BEACH, FLORIDA

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FORNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BRACE TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AREA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/KO 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 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE BY THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS. THE PROFESSIONAL ENGINEER'S LIABILITY 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 B139 AND CNBRGBLKO6999

REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGBLK1103
ENG	SJP/KAR