

# 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:1SXW487-Z0508162354

Truss Fabricator: Anderson Truss Company  
Job Identification: 6-231--Jonathan Perry #20 Stonehenge Phase II -- , \*\*  
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: 06/08/2006

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. 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

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

Details: BRCLBSUB-A11015EE-GBLLETIN-

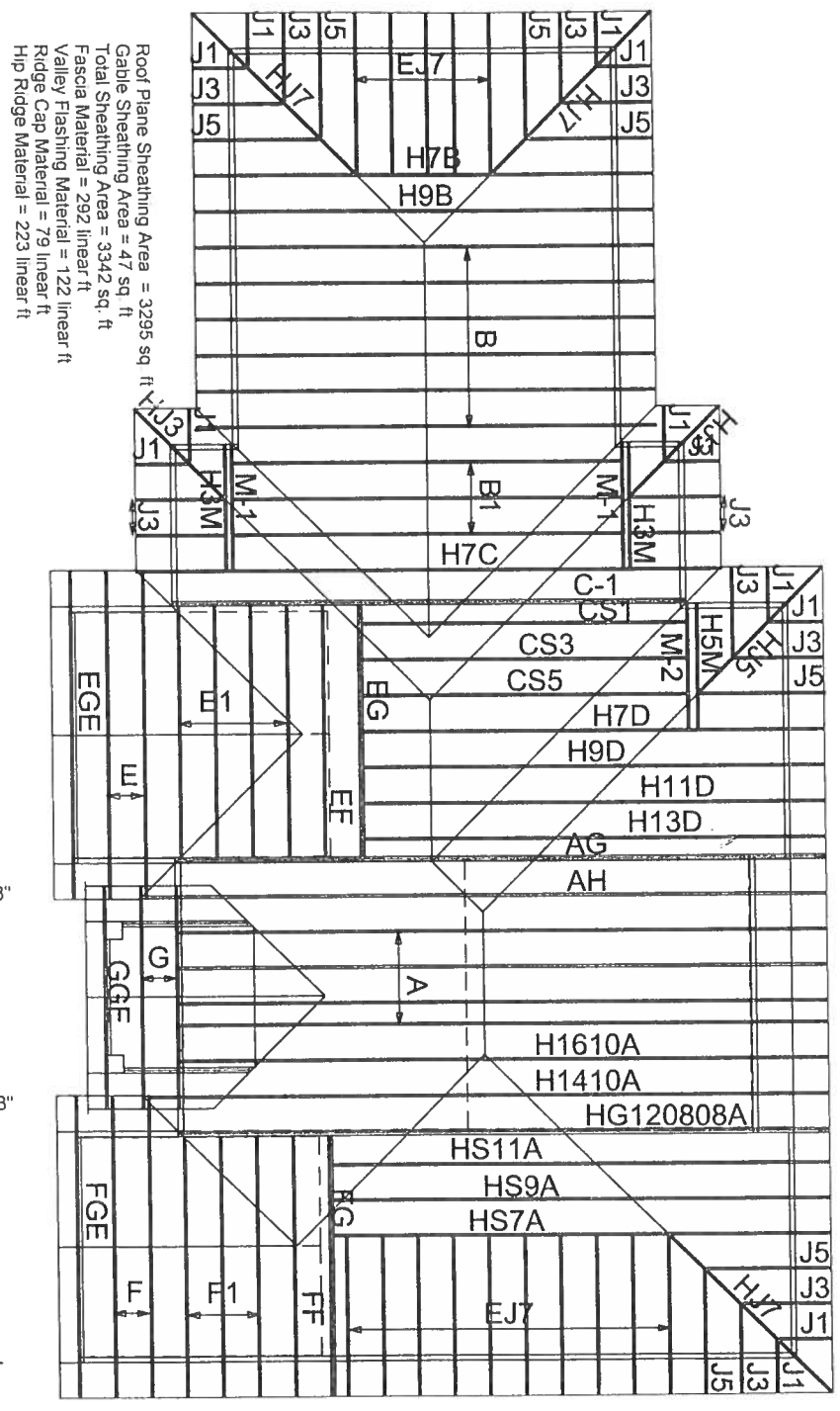
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1	83995--	HS7A	06159075	06/08/06
2	83996--	HS9A	06159076	06/08/06
3	83997--	HS11A	06159077	06/08/06
4	83998--	HG120808A	06159081	06/08/06
5	83999--	H1410A	06159082	06/08/06
6	84000--	H1610A	06159083	06/08/06
7	84001--	A	06159084	06/08/06
8	84002--	AH	06159085	06/08/06
9	84003--	AG	06159113	06/08/06
10	84004--	H7B	06159134	06/08/06
11	84005--	H9B	06159135	06/08/06
12	84006--	B	06159136	06/08/06
13	84007--	B1	06159137	06/08/06
14	84008--	H7C	06159152	06/08/06
15	84009--	C-1	06159153	06/08/06
16	84010--	CS1	06159088	06/08/06
17	84011--	CS3	06159086	06/08/06
18	84012--	CS5	06159087	06/08/06
19	84013--	H7D	06159091	06/08/06
20	84014--	H9D	06159092	06/08/06
21	84015--	H11D	06159093	06/08/06
22	84016--	H13D	06159094	06/08/06
23	84017--	EGE	06159138	06/08/06
24	84018--	E	06159139	06/08/06
25	84019--	E1	06159096	06/08/06
26	84020--	EF	06159097	06/08/06
27	84021--	EG	06159095	06/08/06
28	84022--	FGE	06159140	06/08/06
29	84023--	F	06159141	06/08/06
30	84024--	F1	06159080	06/08/06
31	84025--	FF	06159079	06/08/06
32	84026--	FG	06159078	06/08/06
33	84027--	G	06159142	06/08/06
34	84028--	GGE	06159143	06/08/06
35	84029--	HJ7	06159144	06/08/06
36	84030--	EJ7	06159145	06/08/06

#	Ref	Description	Drawing#	Date
37	84031--	J5	06159146	06/08/06
38	84032--	J3	06159147	06/08/06
39	84033--	J1	06159148	06/08/06
40	84034--	HJ3	06159154	06/08/06
41	84035--	H3M	06159149	06/08/06
42	84036--	H5M	06159089	06/08/06
43	84037--	M-1	06159150	06/08/06
44	84038--	M-2	06159090	06/08/06
45	84039--	HJ5	06159151	06/08/06



22' 9' 14'4" 15' 13'

40'0"6 21'8" 5'8" 3'6" 3'6" 5'8"



Roof Plane Sheathing Area = 3295 sq. ft.  
 Gable Sheathing Area = 47 sq. ft.  
 Total Sheathing Area = 3342 sq. ft.  
 Fascia Material = 292 linear ft.  
 Valley Flashing Material = 122 linear ft.  
 Ridge Cap Material = 79 linear ft.  
 Hip Ridge Material = 223 linear ft.

#6-231 JONATHAN PERRY - LOT #20 STONHENGE PHASE II 6/8/06

Scale: 3/32" = 1'

623-2608

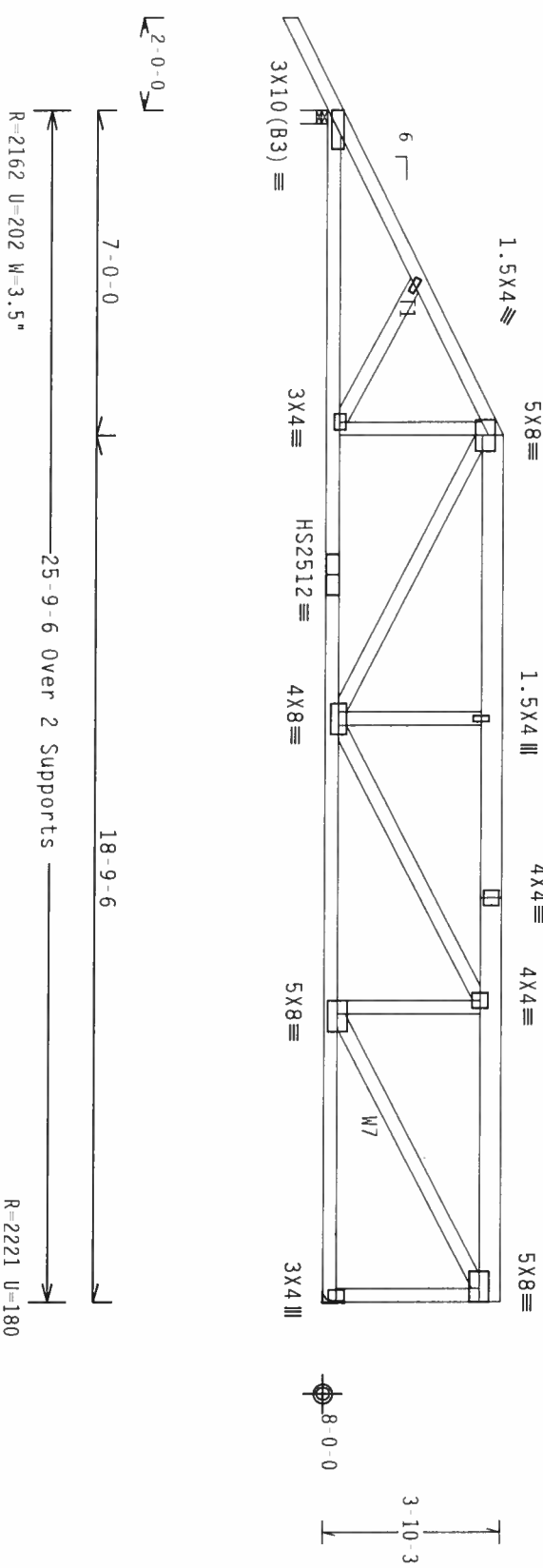
Top chord 2x6 SP #2 : T1 2x4 SP #2 Dense:  
 Bot chord 2x4 SP #2 Dense  
 Webs 2x4 SP #3 : W7 2x4 SP #2 Dense:

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

Right end vertical not exposed to wind pressure.



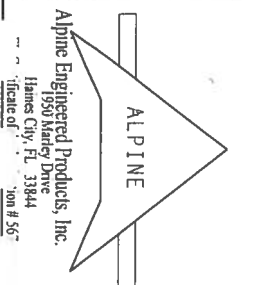
PLT TYP. 20 Gauge HS Wave

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

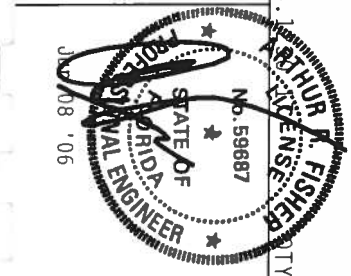
7.24.1

FL/-/4/-/18/-

Scale = .25"/ft.



**ALPINE**  
 Alpine Engineered Products, Inc.  
 1950 Marley Drive  
 Gainesville, FL 32644  
 Phone # 352-388-5656  
 Fax # 352-388-5657



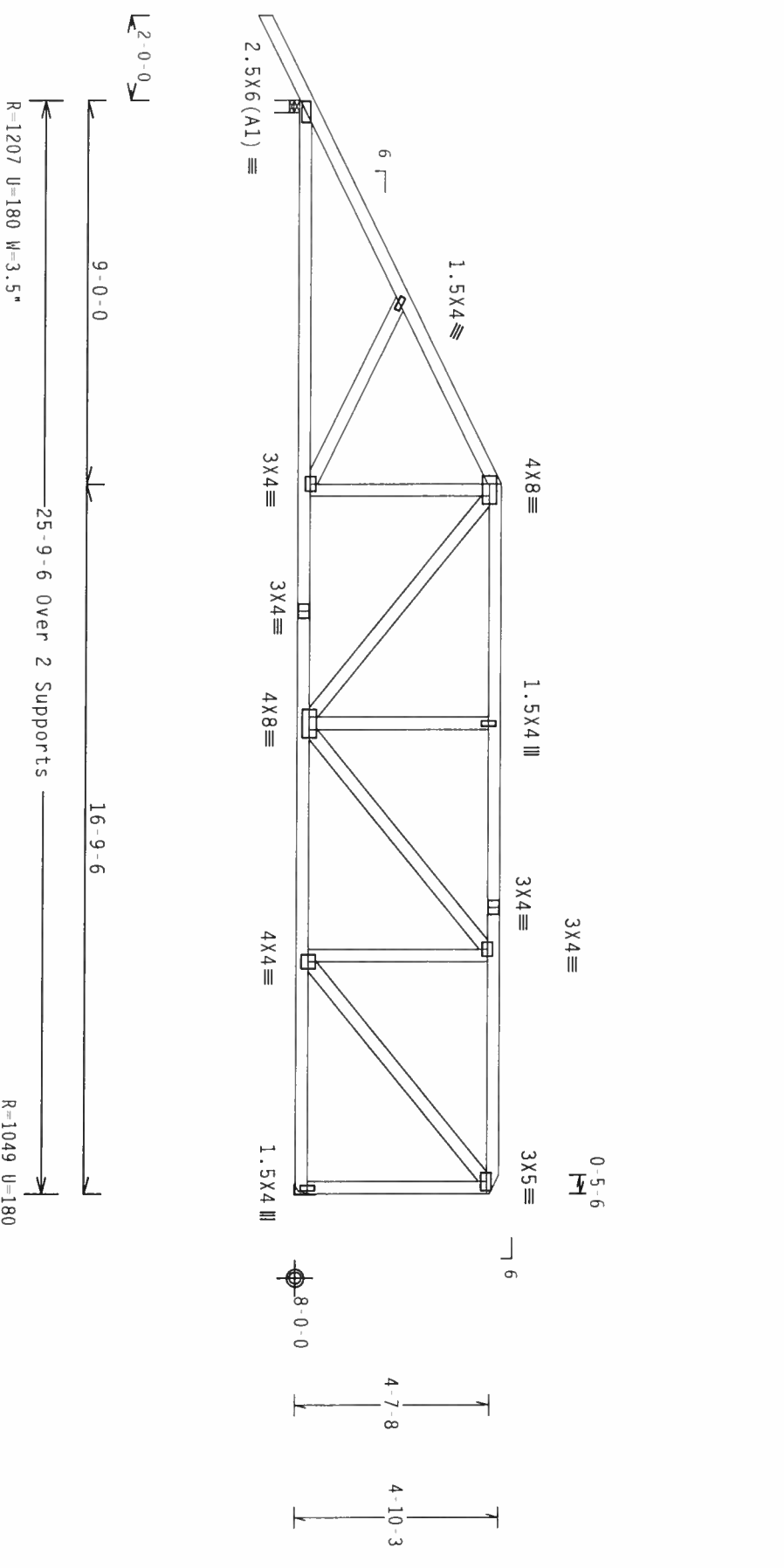
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TC DL	10.0 PSF	DATE	06/08/06
BC DL	10.0 PSF	DRW	HCUSR487 06159075
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT. LD.	40.0 PSF	SEQN-	35005
DUR. FAC.	1.25		
SPACING	SEE ABOVE	JPRFF	1SXW487 Z05

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

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

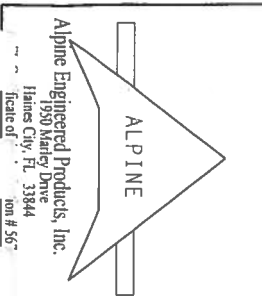
Right end vertical not exposed to wind pressure.



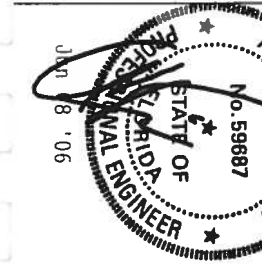
PLT TYP. Wave

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

Scale = .25"/ft.



**ALPINE**  
 Engineered Products, Inc.  
 1990 Marley Drive  
 Gaines City, FL 32644  
 Phone # 352-338-5677  
 Fax # 352-338-5677



TC LL	20.0 PSF	REF	R487 - 83996
TC DL	10.0 PSF	DATE	06/08/06
BC DL	10.0 PSF	DRW	HCUSR487 06159076
BC LL	0.0 PSF	HC-ENG	TCE/JAF
TOT. LD.	40.0 PSF	SEQN-	35013
DUR. FAC.	1.25		
SPACING	24.0"	DRW	15X1487_205



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

**SPECIAL LOADS**

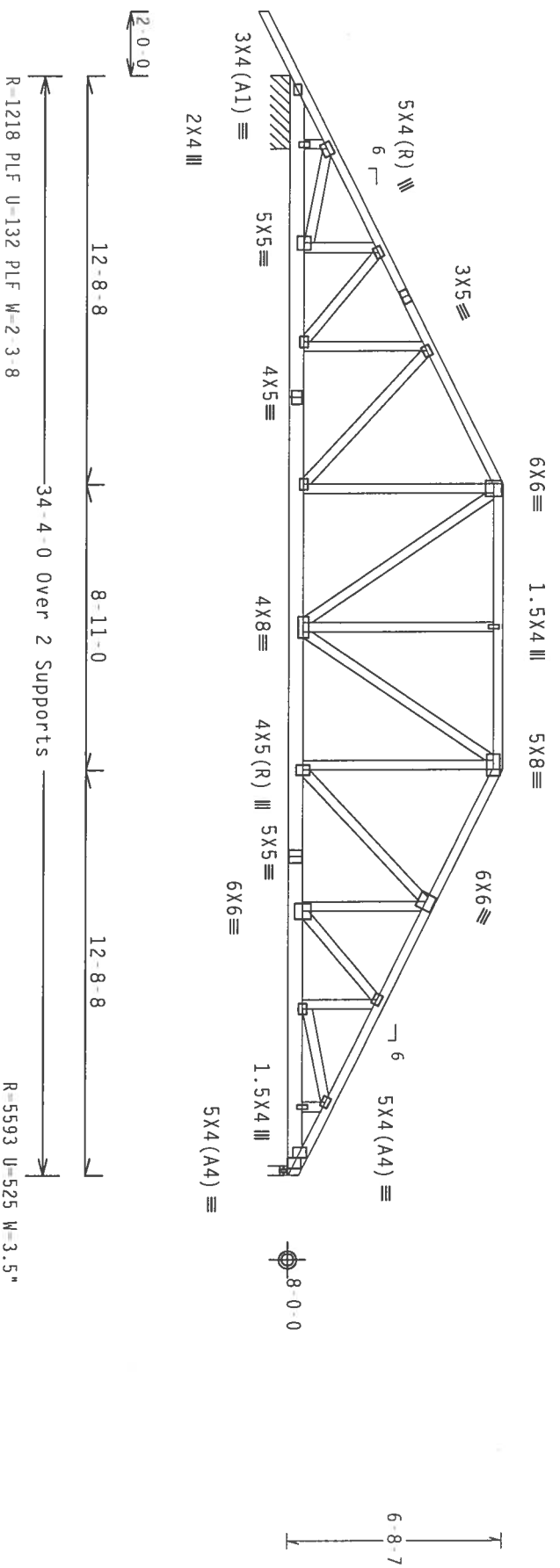
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	62 PLF at -2.00 to	62 PLF at 34.33
BC - From	4 PLF at -2.00 to	4 PLF at 0.00
BC - From	20 PLF at 0.00 to	20 PLF at 10.00
BC - From	20 PLF at 10.00 to	20 PLF at 34.33
BC -	3384 LB Conc. Load at 25.91	
BC -	510 LB Conc. Load at 27.97, 29.97, 31.97, 33.97	

Provide connection for concentrated load(s) shown.

**2 COMPLETE TRUSSES REQUIRED**

Nailing Schedule: (10d Common (0.148"x3", min.)\_nails)  
 Top Chord: 1 Row @12.00" o.c.  
 Bot Chord: 1 Row @11.50" o.c.  
 Webs : 1 Row @ 4" o.c.  
 Use equal spacing between rows and stagger nails in each row to avoid splitting.  
 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, 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/360 live and L/240 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) 7.24.11

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALL TRUSS COMPONENTS MUST BE IDENTIFIED AND MARKED TO PREVENT MIX-UPS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER IDENTIFICATION AND MARKING OF ALL TRUSS COMPONENTS. 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 SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER IDENTIFICATION AND MARKING OF ALL TRUSS COMPONENTS. THE CONTRACTOR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

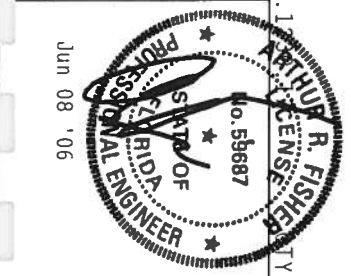
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER IDENTIFICATION AND MARKING OF ALL TRUSS COMPONENTS. THE CONTRACTOR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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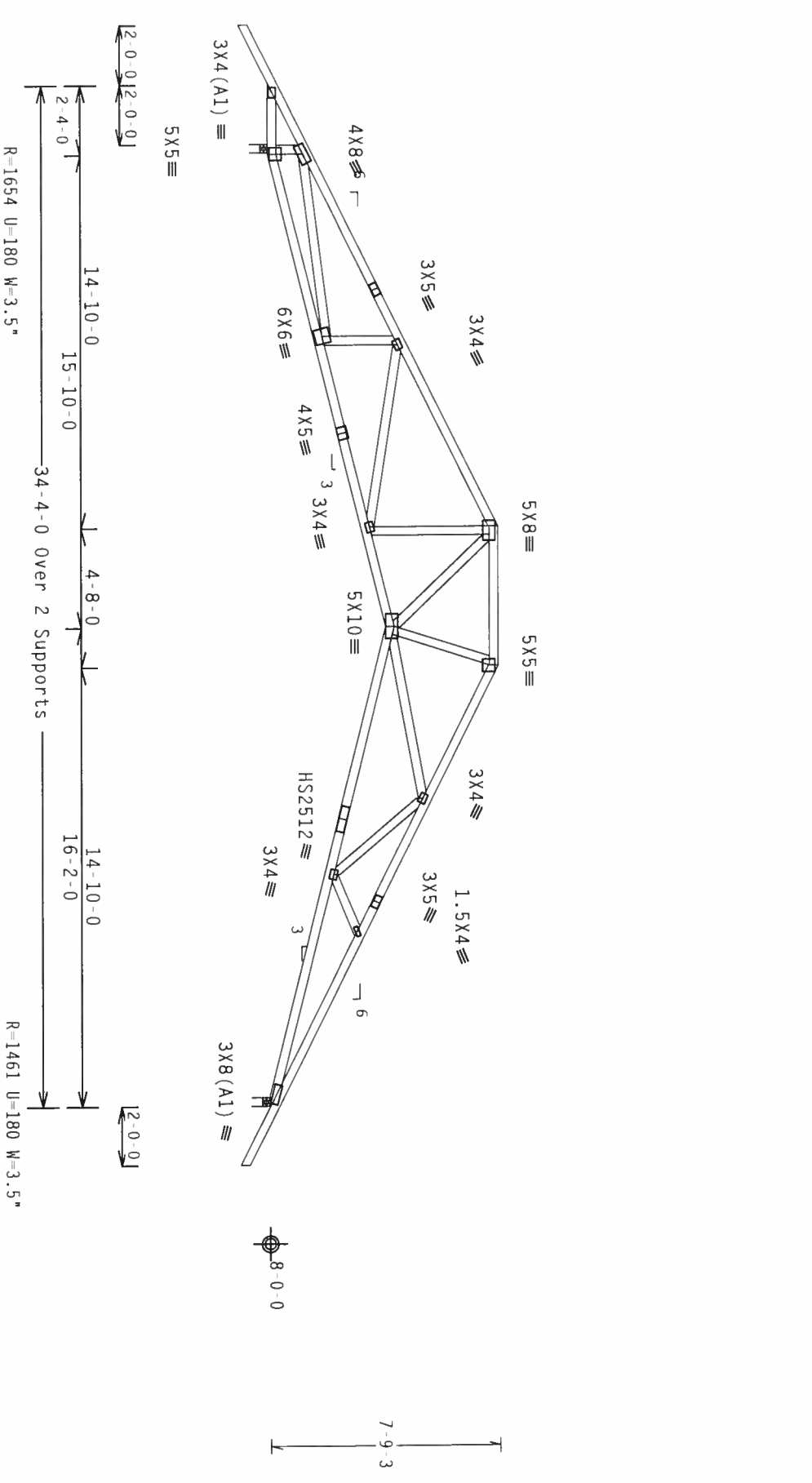


TC LL	20.0 PSF	REF R487 - 83998
TC DL	10.0 PSF	DATE 06/08/06
BC DL	10.0 PSF	DRW HCUR487 06159081
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT. LD.	40.0 PSF	SEQN- 34961
DUR. FAC.	1.25	

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

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

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/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. 20 Gauge HS Wave

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

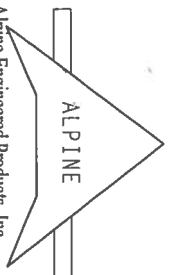
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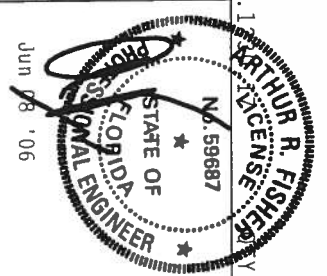
Scale = .1875"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO GC'S 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 363 D'ORONKIO DR., SUITE 200, HADSON, NJ 07618) AND WEA (WOOD TRUSS CONNECTOR OF AMERICA, 1000 INDUSTRIAL BLVD, SUITE 175) FOR SAFETY PACKAGING AND BRACING REQUIREMENTS. ALL TRUSS CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORDS SHALL HAVE A PROPERLY ATTACHED RIGID DETAILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN COMPONENTS WITH APPLICABLE PROVISIONS OF 905 (QUALITY DESIGN SPEC. BY AIRPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (M/N/S/K) ASTM A653 GRADE 40/60 (M, K/N/S) GALV. STEEL. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
 1950 Marley Drive  
 Haines City, FL 33844  
 Phone: 888-353-3535  
 Fax: 888-353-3535  
 Email: info@alpine.com



TC LL	20.0 PSF	REF R487 - 83999
TC DL	10.0 PSF	DATE 06/08/06
BC DL	10.0 PSF	DRW HCUR487 06159082
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT. LD.	40.0 PSF	SEQN- 34924
DUR. FAC.	1.25	
COATING	24.0"	

URFF	ISX	UR7	Z05
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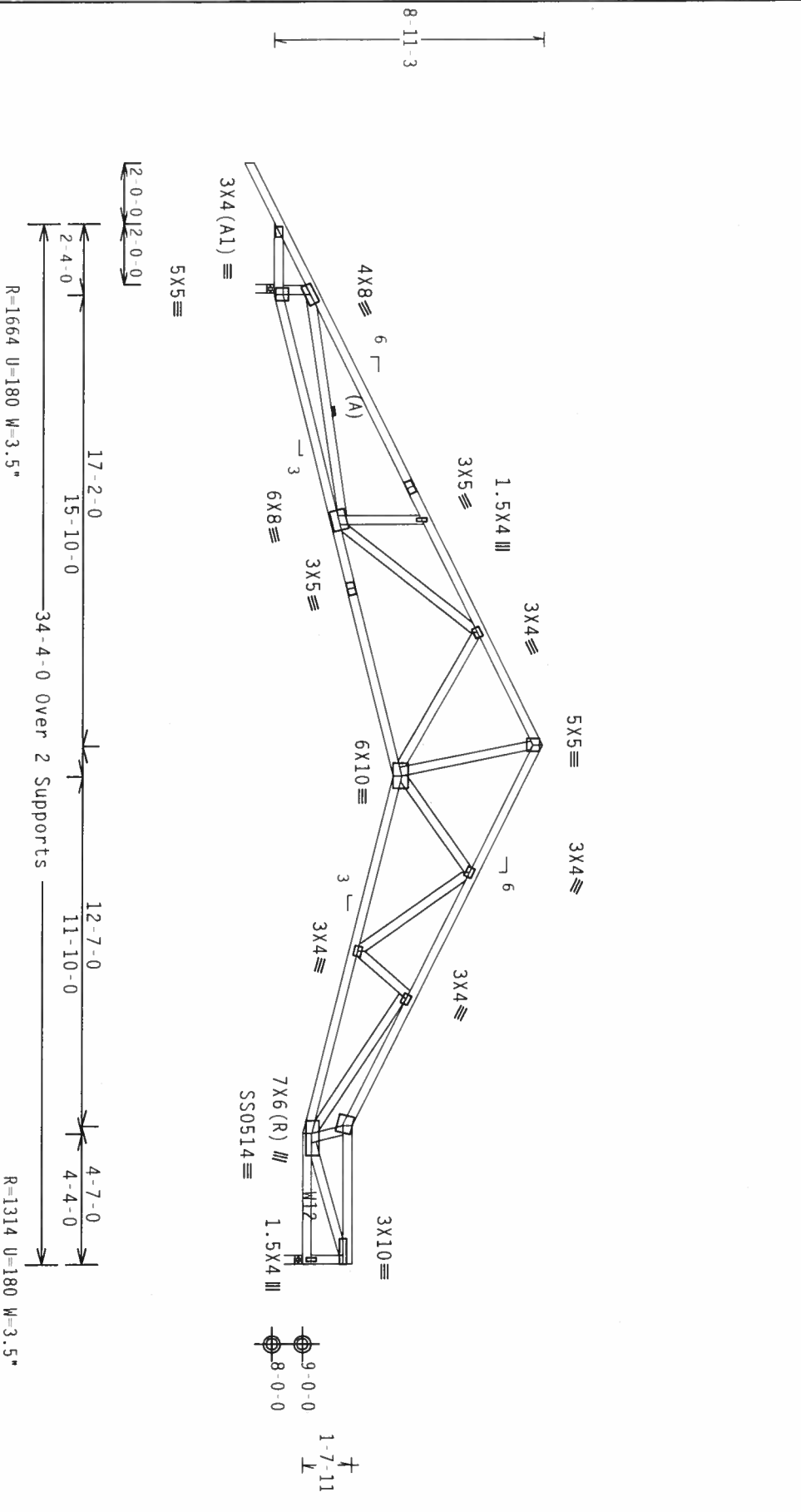


Top chord 2x4 SP #2 Dense  
 Bot chord 2x4 SP #2 Dense  
 Webs 2x4 SP #3 :W12 2x4 SP #2 Dense:

Calculated horizontal deflection is 0.12" due to live load and 0.19" due to dead load.

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.

(A) Continuous lateral bracing equally spaced on member.  
 Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. 18 Gauge HS.Wave

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

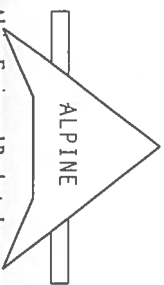
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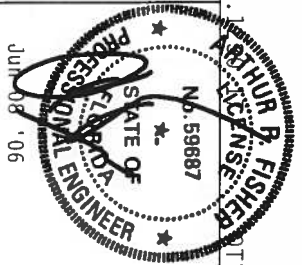
Scale = .1875"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRING EXTERIOR CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALL THE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN COMPONENTS WITH APPLICABLE PROVISIONS OF AISC (MATERIAL DESIGN SPEC. BY AISC) AND TPI. ALL THE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W-11/5/3) ASTM A653 GRADE 40/60 (W- K/11.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2

**\*\*IMPORTANT\*\*** TURN IN A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALL THE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN COMPONENTS WITH APPLICABLE PROVISIONS OF AISC (MATERIAL DESIGN SPEC. BY AISC) AND TPI. ALL THE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W-11/5/3) ASTM A653 GRADE 40/60 (W- K/11.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2



Alpine Engineered Products, Inc.  
 699 Maitry Drive  
 Haines City, FL 33844  
 Phone # 888-356-3567



TC LL	20.0 PSF	REF	R487--	84001
TC DL	10.0 PSF	DATE	06/08/06	
BC DL	10.0 PSF	DRW	HCUSR487	06159084
BC LL	0.0 PSF	HC-ENG	TCE/AF	
TOT. LD.	40.0 PSF	SEQN-	34921	
DUR. FAC.	1.25			
SPACING	24.0"	JRFF-	ISXWAR7	Z05



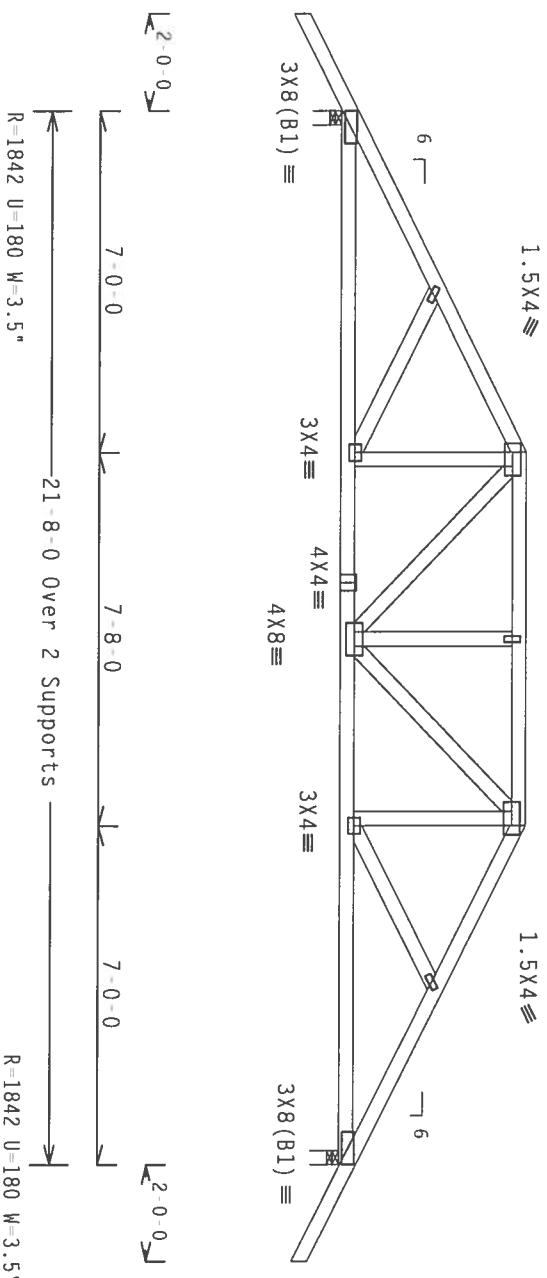


Top chord 2x4 SP #2 Dense  
 Bot chord 2x4 SP #2 Dense  
 Webs 2x4 SP #3

#1 hip supports 7-0-0 jacks with no webs.  
 Deflection meets L/360 live and L/240 total load. Creep increase  
 Factor for dead load is 1.50.

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

Left side jacks have 7-0-0 setback with 0-0-0 cant and 2-0-0  
 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 2-0-0  
 overhang. Right side jacks have 7-0-0 setback with 0-0-0 cant and  
 2-0-0 overhang.



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  
 JUN 08 '06

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES GUIDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 MADISON DR., SUITE 200, MADISON, WI 53719 AND WEA GOOD TRUSS COUNCIL OF AMERICA, 6100 EASTWIND DR., MADISON, WI 53719. ALL TRUSSING MUST BE PERFORMED IN ACCORDANCE WITH THE TRUSSING INSTRUCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN COMPONENTS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AREA) AND TPI. ALPINE ENGINEERED PRODUCTS SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE DESIGN SHALL BE APPROVED BY THE DESIGNER. 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 COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMX1/TPI 1 SEC. 7.



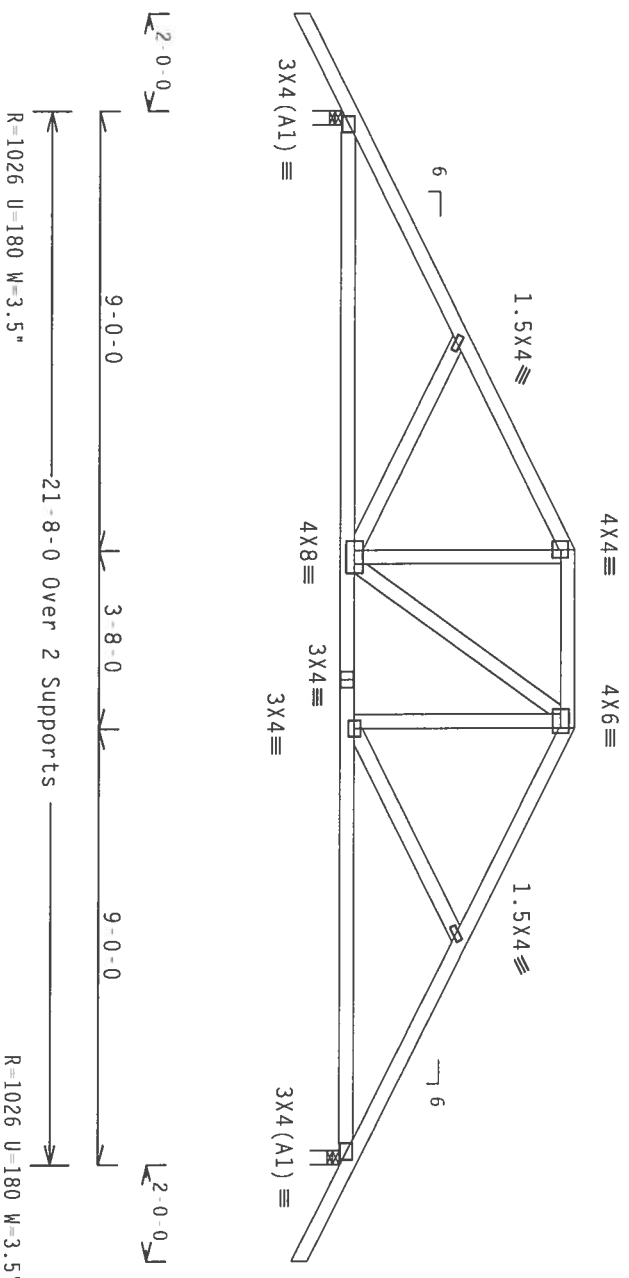
Alpine Engineered Products, Inc.  
 1950 Marley Drive  
 Haines City, FL 33844  
 on #567

FL	/4	/-	/R	Scale = .25"/ft.
TC LL	20.0	PSF	REF R487 -	84004
TC DL	10.0	PSF	DATE	06/08/06
BC DL	10.0	PSF	DRW HCURS487	06159134
BC LL	0.0	PSF	HC-ENG TCE/AF	
TOT. LD.	40.0	PSF	SEQN -	34947
DUR. FAC.	1.25			
SPACING	SEE ABOVE			
JREF	1SXW097	Z05		

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

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

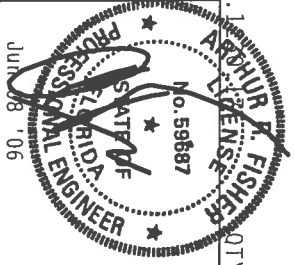
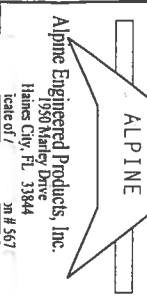
Design Crit: TPI-2002(STD)/FBC  
 Cq/RT=1.00(1.25)/10(0) 7.24.1

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

Scale = .25"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31.033 (INCLUDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 HADISON, WY 82410) FOR TRUSS AND BEAM (GOOD TRUSS) CONSTRUCTION AND BEAM (GOOD TRUSS) CONSTRUCTION. THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

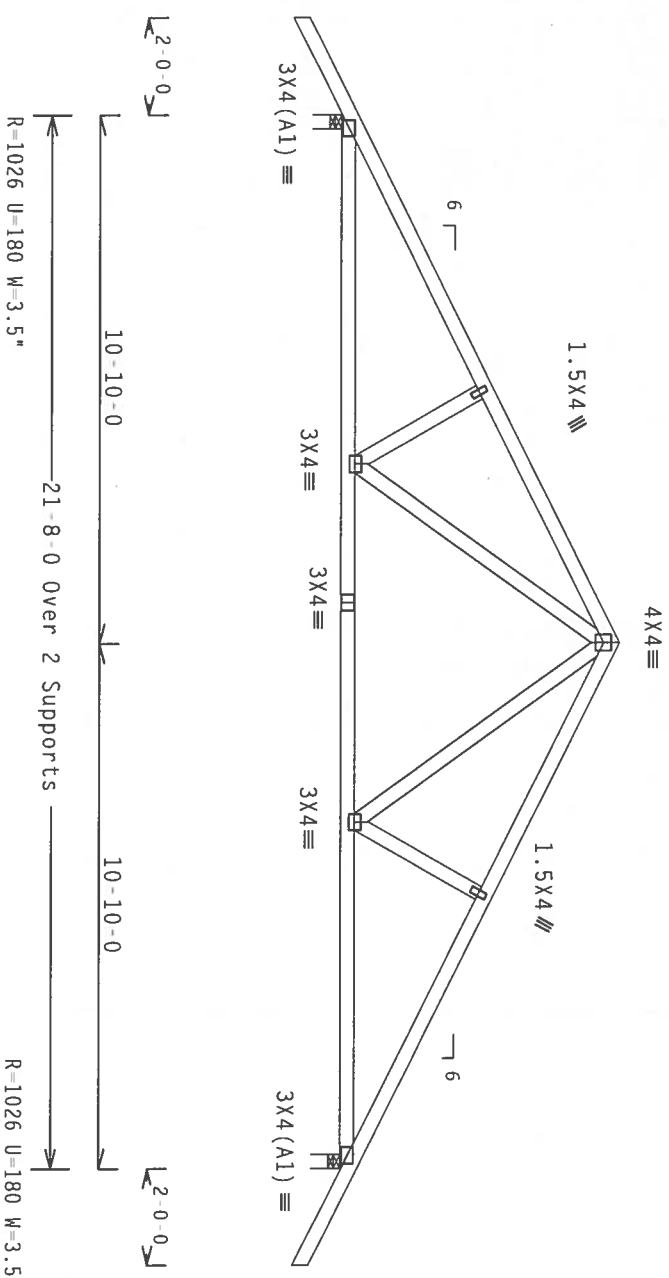


TC LL	20.0 PSF	REF R487 - 84005
TC DL	10.0 PSF	DATE 06/08/06
BC DL	10.0 PSF	DRW HCURS487 06159135
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT. LD.	40.0 PSF	SEQN- 34934
DUR. FAC.	1.25	
PACKING	24.0"	DRWF- 1SXW187 Z05

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

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

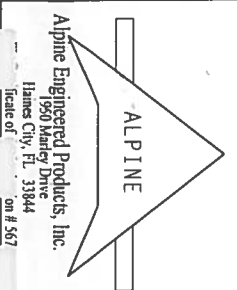


PLT TYP. Wave

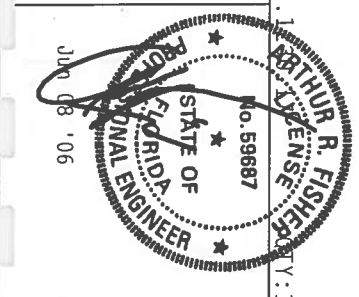
Design Crit: TP1-2002(STD)/FBC  
 Cq/RT=1.00(1.25)/10(0) 7.24.1

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGN 103 (INCLUDING COMPREHENSIVE SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 RIVER ROAD, SUITE 100, WILMINGTON, MA 01897) FOR SAFETY PRACTICES PRIOR TO REPAIRING THIS TRUSS. THE TRUSS SHALL BE RIGIDLY ATTACHED TO THE RIGID CEILING. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ALPINE) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASH A653 GRADE 40/60 (W, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUFFICIENCY AND USE OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/ASCE 101-101 SEC. 2.



Alpine Engineered Products, Inc.  
 1990 Marley Drive  
 Haines City, FL 33844  
 Phone # 888-257-5672



TC LL	20.0 PSF	REF R487-84006
TC DL	10.0 PSF	DATE 06/08/06
BC DL	10.0 PSF	DRW HCUR487 06159136
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT. LD.	40.0 PSF	SEQN- 34920
DUR. FAC.	1.25	
CDACING	24.0"	

Scale = .25" / Ft.

Scale = .25" / Ft.  
 REF R487-84006  
 DATE 06/08/06  
 DRW HCUR487 06159136  
 HC-ENG TCE/AF  
 SEQN- 34920



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

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

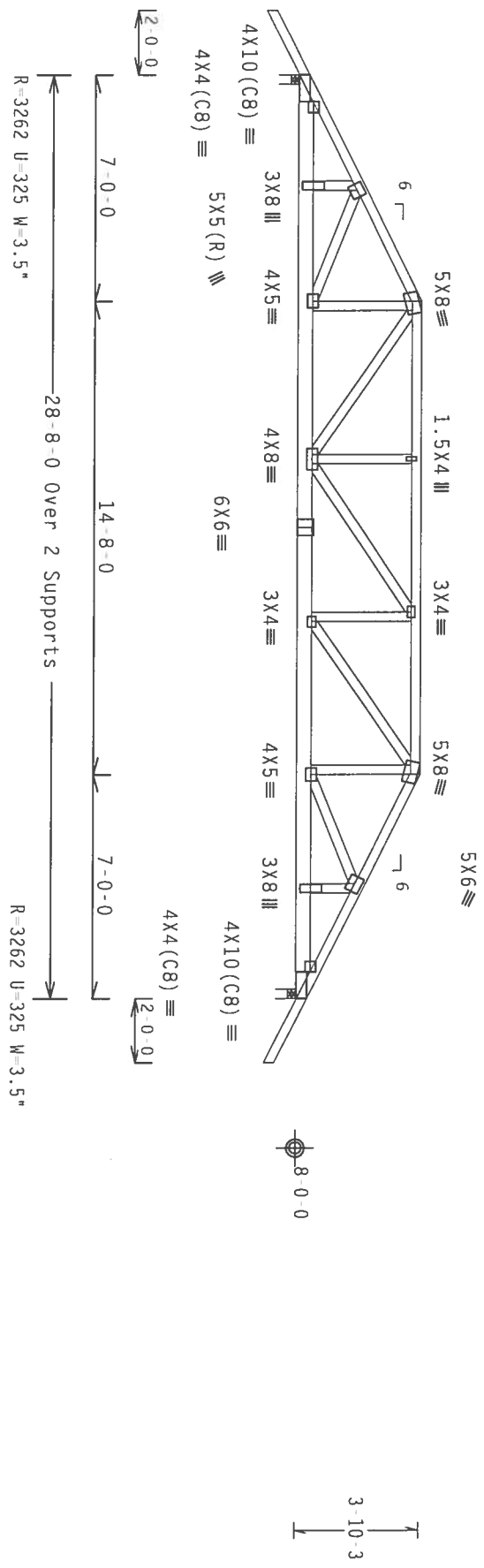
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

**SPECIAL LOADS**

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

TC - From	62 PLF at -2.00 to	62 PLF at 30.67
BC - From	4 PLF at -2.00 to	4 PLF at 0.00
BC - From	20 PLF at 0.00 to	20 PLF at 14.00
BC - From	20 PLF at 14.00 to	20 PLF at 28.67
BC - From	4 PLF at 28.67 to	4 PLF at 30.67
BC -	299 LB Conc. Load at	3.06, 25.60
BC -	1649 LB Conc. Load at	3.44, 25.23

Provide connection for concentrated load(s) shown.



PLT TYP. Wave

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



FL-/4/-/R/-  
 Scale = .1875"/ft.

**ALPINE**  
 Alpine Engineered Products, Inc.  
 1990 Marley Drive  
 Gaines City, FL 32644  
 Phone: 352-338-4444  
 Fax: 352-338-4444  
 Email: info@alpineeng.com

**\*\*WARNING\*\*** BRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC# 1 03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DORRHOOD DR., SUITE 200, MADISON, WI 53718) AND WCA (WOOD COUNCIL OF AMERICA, 6300 ENTERPRISE LN., TOP GROUND 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 DETAILING FROM THIS DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERFORMANCE WITH THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF THE BRUSSES. DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF HDS (NATIONAL DESIGN SPEC., BY AREA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (E4/N/S/K) ASTM A653 GRADE 40/60 (K, K/N/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMXC A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMXI/TPI 1 SEC. 7.

TC LL	20.0 PSF	REF R487-- 84008
BC DL	10.0 PSF	DATE 06/08/06
BC DL	10.0 PSF	DRW HCUR8487 06159152
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT. LD.	40.0 PSF	SEON- 34960
DUR.FAC.	1.25	

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

**SPECIAL LOADS**

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
 TC - From 62 PLF at 0.00 to 62 PLF at 28.67  
 BC - From 20 PLF at 0.00 to 20 PLF at 28.67  
 BC - 3615 LB Conc. Load at 18.24  
 BC - 566 LB Conc. Load at 20.30  
 BC - 587 LB Conc. Load at 22.30, 24.30, 26.30, 28.30

Provide connection for concentrated load(s) shown.

**WARNING: THIS TRUSS MUST BE INSTALLED EXACTLY AS SHOWN.  
 IT CAN NOT BE USED INSTALLED END-FOR-END.**

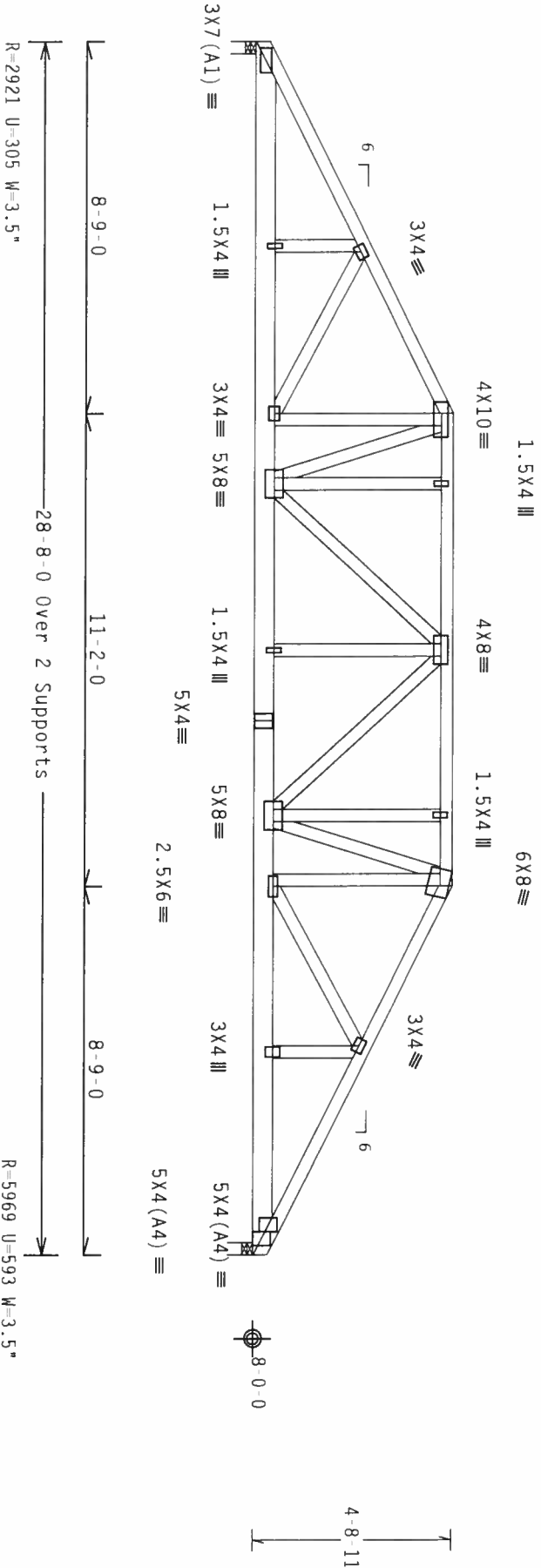
**2 COMPLETE TRUSSES REQUIRED**

Nailing Schedule: (10d Common @ 0.148"x3", min.)\_nails)

Top Chord: 1 Row @ 12.00" o.c.  
 Bot Chord: 1 Row @ 8.00" o.c.  
 Webs : 1 Row @ 4" o.c.  
 Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, 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/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

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

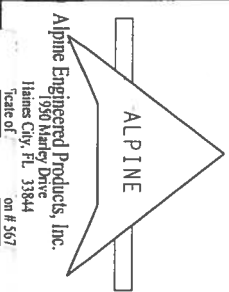
QTY: 1

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

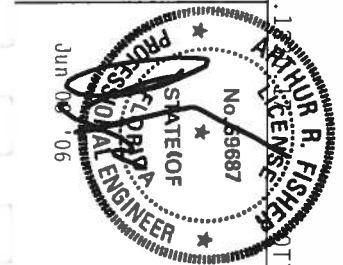
Scale = .25" / Ft.

**\*\*WARNING\*\*** TRUSSES REQUIRING EXTERIOR CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC31 1-03 (BUILDING COMPONENT SAFETY THROUGHOUT), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 503 HADISON, NJ 07032, AND RC31 1-03 (TRUSS CONNECTIONS), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 503 HADISON, NJ 07032, AND RC31 1-03 (TRUSS CONNECTIONS), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 503 HADISON, NJ 07032. TOP CHORD NAILS MUST BE PROPERLY ATTACHED TO STRUCTURAL PANELS AND BOTTOM CHORD NAILS MUST BE PROPERLY ATTACHED TO 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 A BRACING OF TRUSSES, DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AISC (ADDITIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (K/1/5/3) ASTM A653 GRADE 40/60 (K/1/5/3) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANS1/TPI 1 SEC. 2.



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



TC LL	20.0 PSF	REF	R487 - 84009
TC DL	10.0 PSF	DATE	06/08/06
BC DL	10.0 PSF	DRW	HCUSR487 06159153
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT. LD.	40.0 PSF	SEQN	34959
DUR. FAC.	1.25		



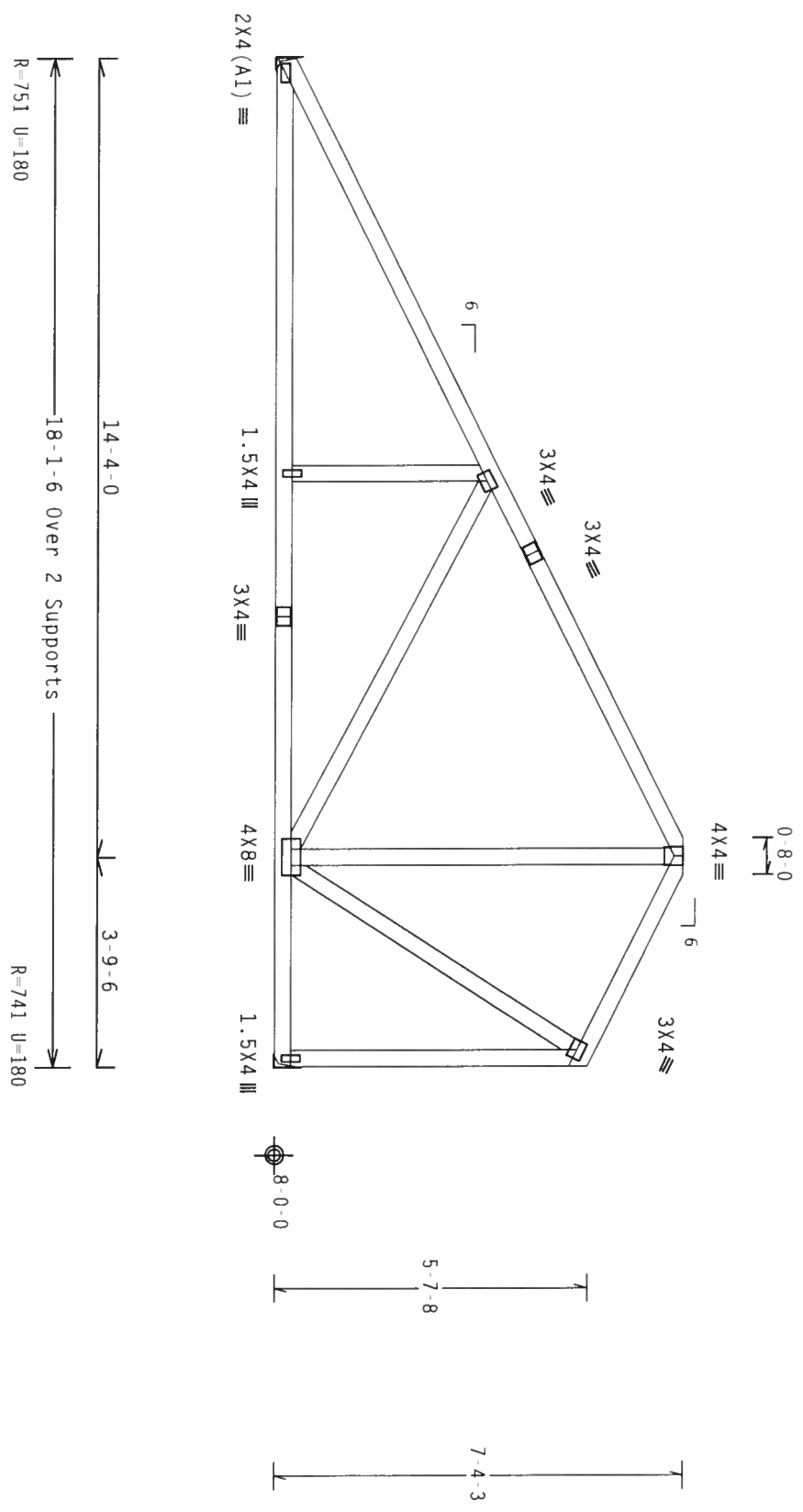


Top chord 2x4 SP #2 Dense  
 Bot chord 2x4 SP #2 Dense  
 Webs 2x4 SP #3

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave

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

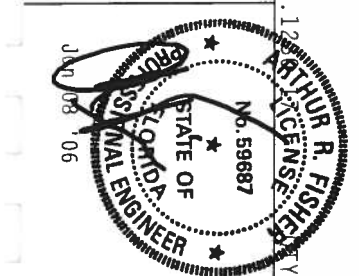
7.24.12

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

Scale = .3125"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC31.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 583 D'ORRIS RD., SUITE 200, MADISON, WI 53719, AND WICK (WOOD) CONNECTIONS OF AMERICA, 6300 ENTERPRISE DR., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED. THIS DRAWING SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** INSURE A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY EVALUATING, TESTING, BRACING, OR BRACING OF TRUSSES IN CONFORMANCE WITH THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING, OR BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (TYPICAL DESIGN SPEC. BY AISC) AND TP1-2002 (STD). CONNECTOR PLATES ARE MADE OF 20/18/15GA (W/S/K) ASH A653 GRADE 40/50 (W/ K/S) GALV. STEEL. APPLY TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEC AS 3 OF TP11 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSIT/TP1 1 SEC. 2.



TC LL	20.0 PSF	REF	R487 - 84012
TC DL	10.0 PSF	DATE	06/08/06
BC DL	10.0 PSF	DRW	HCUSR487 06159087
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT. LD.	40.0 PSF	SEQN	35128
DUR. FAC.	1.25		



Alpine Engineered Products, Inc.  
 15501 Highway 17  
 Haines City, FL 33844  
 Phone # 567

DATE: 06/08/06  
 DRAWING: 15X1407 205

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

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

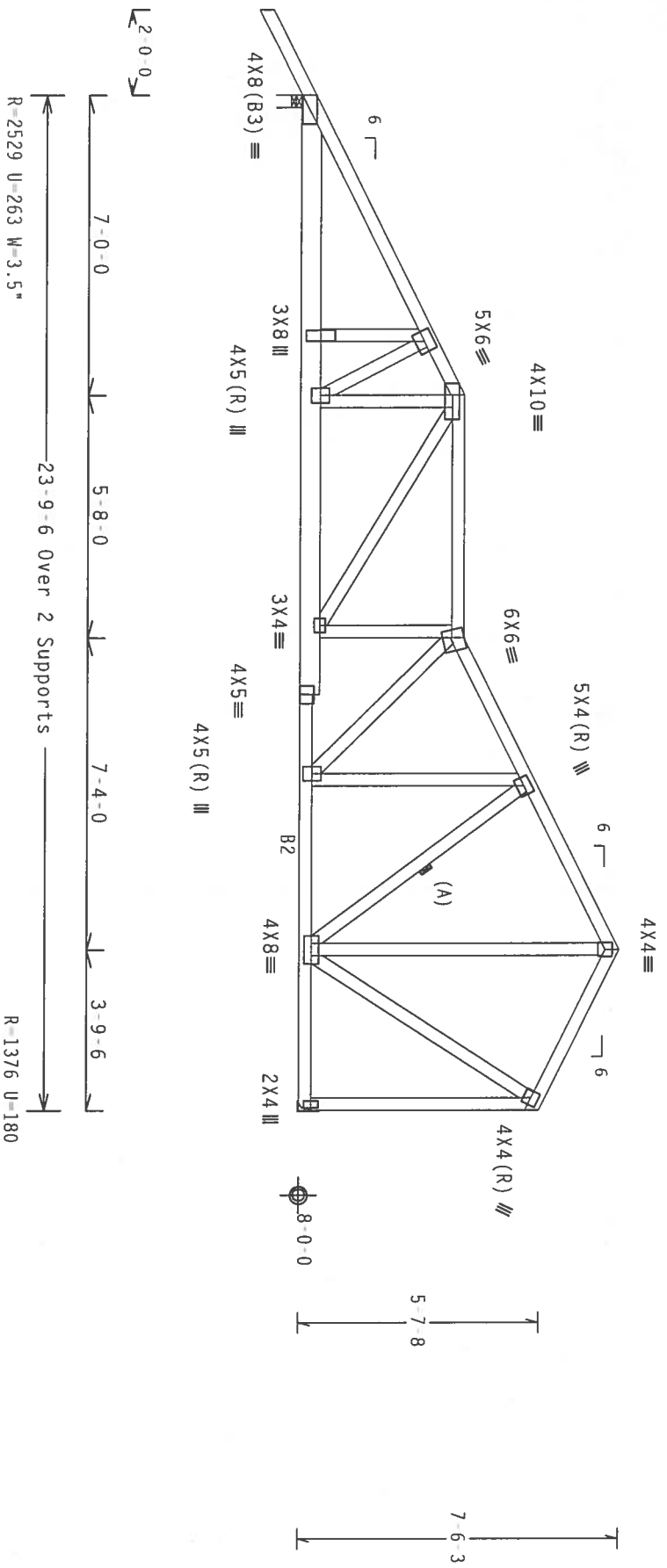
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

**SPECIAL LOADS**

TC - From	DUR.FAC.	1.25	/	PLATE DUR.FAC.	-1.25)
BC - From	62 PLF at -2.00 to			62 PLF at 23.78	
BC - From	4 PLF at -2.00 to			4 PLF at 0.00	
BC - From	20 PLF at 0.00 to			20 PLF at 14.00	
BC - From	20 PLF at 14.00 to			20 PLF at 23.78	
BC -	416 LB Conc. Load at			5.06	
BC -	1397 LB Conc. Load at			5.60	

Provide connection for concentrated load(s) shown.  
 Right end vertical not exposed to wind pressure.



PLT TYP. Wave

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

7.24.1

FL/-/4/-/R/-

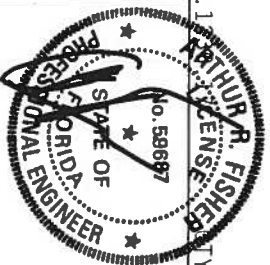
Scale = .25"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS DESIGN AND CONSTRUCTION. PROTECTING THE TRUSS FROM DAMAGE DURING TRANSPORT, STORAGE, AND INSTALLATION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE TRUSS SHALL BE PROTECTED FROM DAMAGE DURING TRANSPORT, STORAGE, AND INSTALLATION. THE TRUSS SHALL BE PROTECTED FROM DAMAGE DURING TRANSPORT, STORAGE, AND INSTALLATION. THE TRUSS SHALL BE PROTECTED FROM DAMAGE DURING TRANSPORT, STORAGE, AND INSTALLATION.

**\*\*IMPORTANT\*\*** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS AND PRODUCT, 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 AISC (A10.1) AND AISC (A10.2). THE TRUSS SHALL BE PROTECTED FROM DAMAGE DURING TRANSPORT, STORAGE, AND INSTALLATION. THE TRUSS SHALL BE PROTECTED FROM DAMAGE DURING TRANSPORT, STORAGE, AND INSTALLATION. THE TRUSS SHALL BE PROTECTED FROM DAMAGE DURING TRANSPORT, STORAGE, AND INSTALLATION.



Alpine Engineered Products, Inc.  
 1990 Mader Drive  
 Gaines City, FL 32644  
 Phone: 352-333-5677  
 Fax: 352-333-5678



TC LL	20.0 PSF	REF R487--	84013
TC DL	10.0 PSF	DATE	06/08/06
BC DL	10.0 PSF	DRW HCUR487	06159091
BC LL	0.0 PSF	HC-ENG TCE/AF	
TOT.LD.	40.0 PSF	SECN-	35135
DUR.FAC.	1.25		

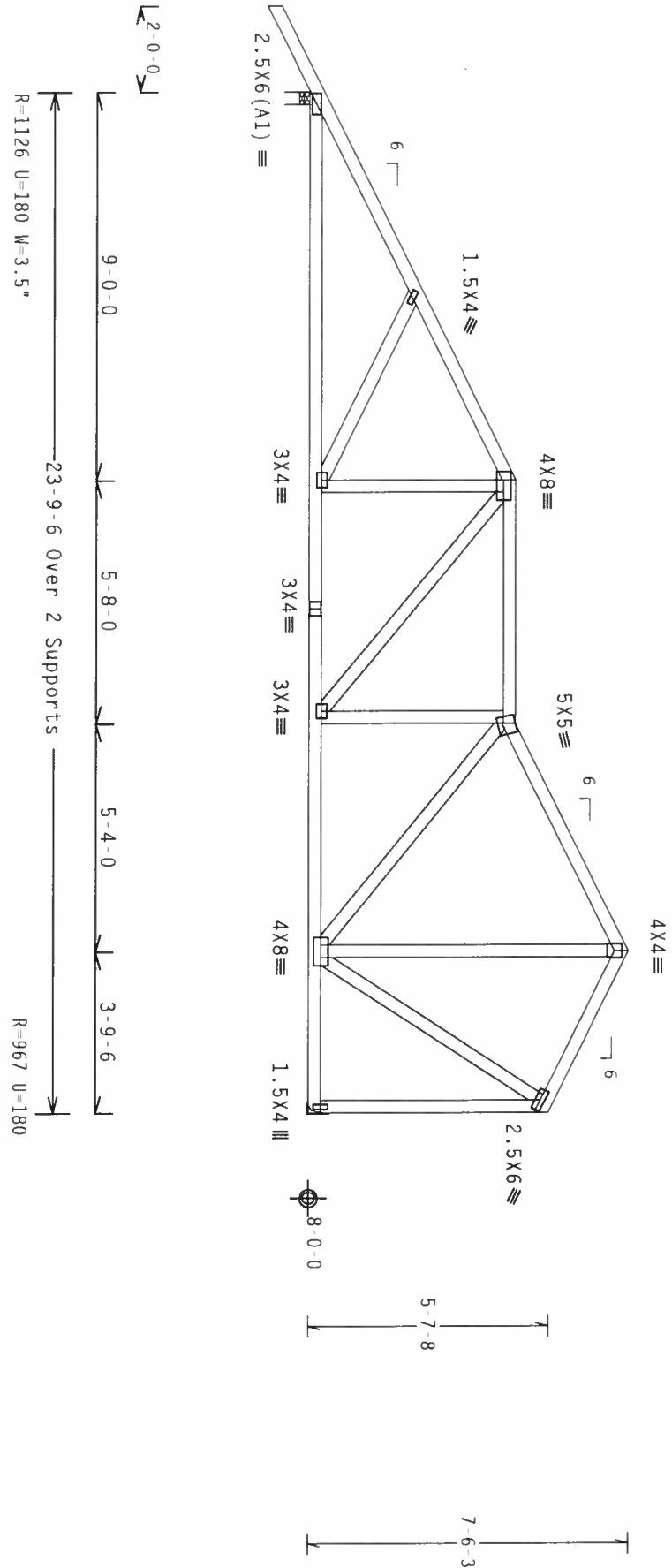
SPACING see above  
 JREF- 1SXW/97 205

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

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

Deflection meets L/360 live and L/240 total load. Creep Increase  
 factor for dead load is 1.50.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave

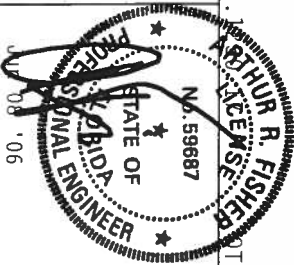
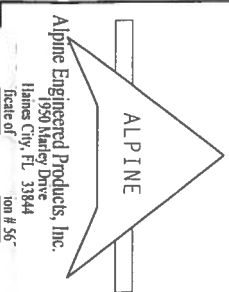
Design Crit: TP1-2002 (STD)/FBC  
 Cq/RT=1.00(1.25)/10(0) 7.24

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

Scale = .25" / Ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR BUILDING CORROSION SAFETY FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ADDITIONAL INFORMATION IS AVAILABLE FROM THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE BUILDING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE BUILDING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE BUILDING.

**\*\*IMPORTANT\*\*** TRUSSES ARE A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. APPROVE 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 INTERNATIONAL DESIGN SPEC. BY ALPINE AND TPI. APPLY CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/4/5/2) ASH A653 GRADE 40/60 (W/ 4/4/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



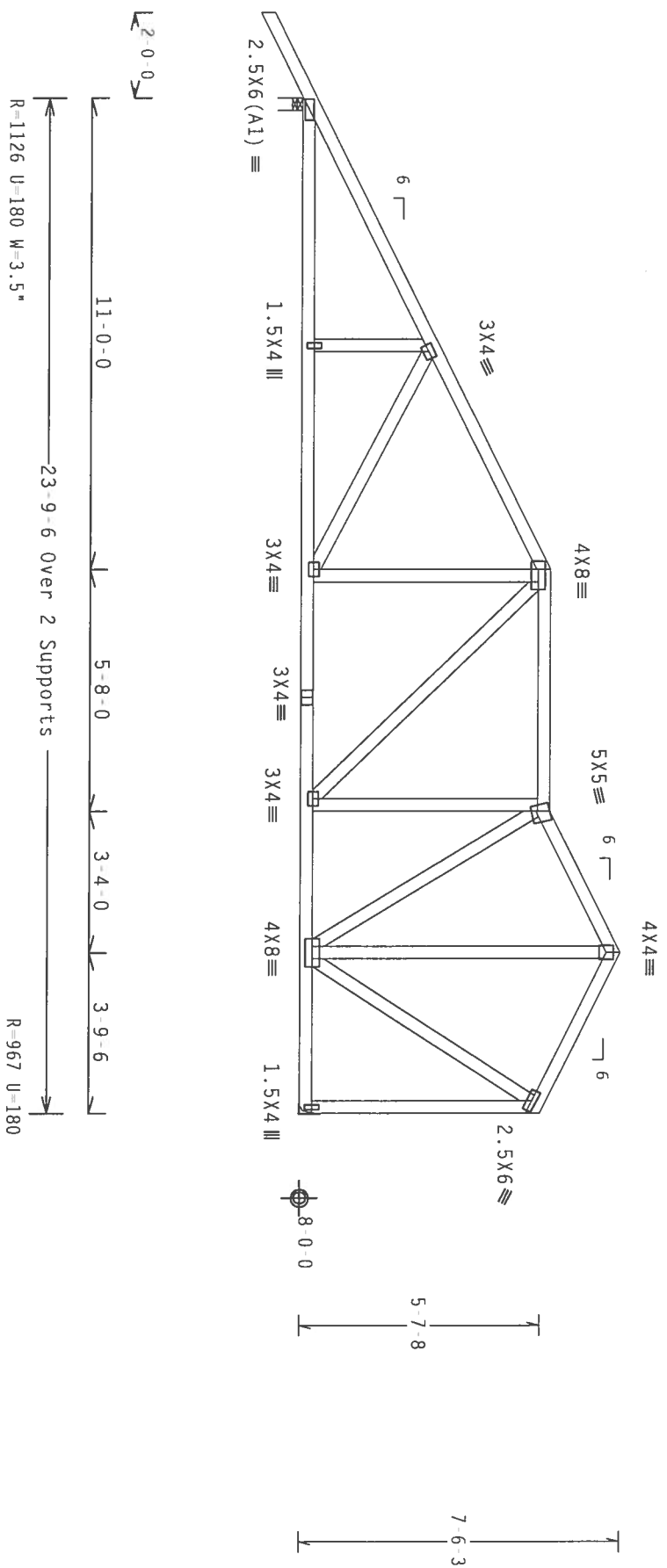
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TC DL	10.0 PSF	DATE 06/08/06
BC DL	10.0 PSF	DRW HCUR487 06159092
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 35142
DUR.FAC.	1.25	
CDACING	24.0"	JPRFC - 1SXMAR7 205

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

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Right end vertical not exposed to wind pressure.



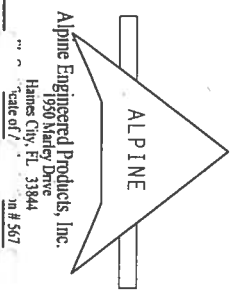
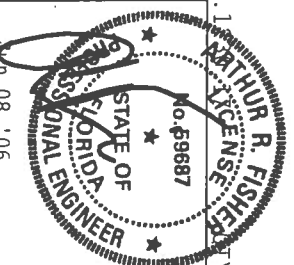
PLT TYP. Wave

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 RC31 1.03 (BUILDING COMPONENT SAFETY), JRCOMMUNICATION, PUBLISHED BY THE NATIONAL BLDG. CONSTRUCTION EDUCATION FUND, 153719, SOLE, MADISON, WI 53719, AND WHICH GOOD TRUSS COMPANY OF AMERICA, GOOD EDUCATION FUND, 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 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, POSITIONING PER DRAWINGS 160A-Z, AND THE CONNECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SOLE RESPONSIBILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMS/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
 1950 Marley Drive  
 Haines City, FL 33844  
 Phone: 888.567.5677

TC LL	20.0 PSF	REF R487-- 84015
TC DL	10.0 PSF	DATE 06/08/06
BC DL	10.0 PSF	DRW HCUR487 06159093
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT. LD.	40.0 PSF	SEQN- 35149
DUR. FAC.	1.25	
SPACING	24.0"	JRFF- 1SXWAR7 205

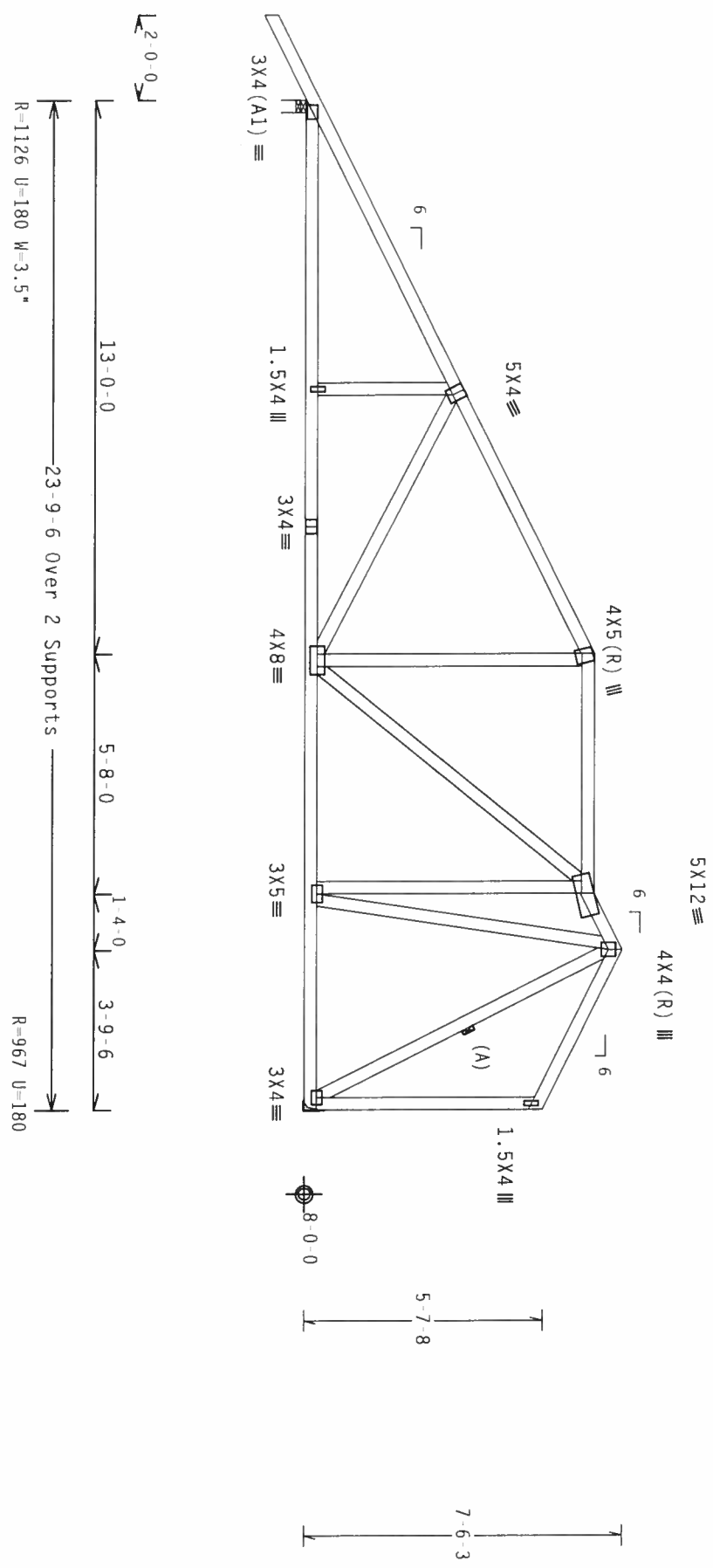
Top chord 2x4 SP #2 Dense  
 Bot chord 2x4 SP #2 Dense  
 Webs 2x4 SP #3

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

(A) Continuous lateral bracing equally spaced on member.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



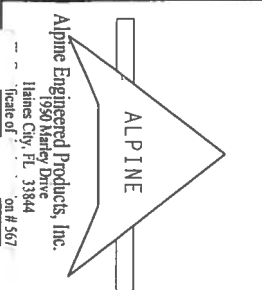
PLT TYP. Wave

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

7.24.1

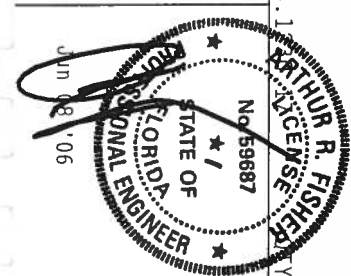
FL/-/4/-/R/-

Scale = .25"/ft.



**\*\*WARNING\*\*** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. READ AND OBEY ALL INSTRUCTIONS CONCERNING SAFETY FOR THE OPERATOR. THIS TRUSS IS DESIGNED FOR USE IN CONFORMANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 13TH EDITION, 01/01/01 FOR SAFETY PRACTICES PRIOR TO PERFORMING THE WORK. THE TRUSS SHALL BE PROPERLY ATTACHED TO RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC 13TH EDITION DESIGN SPEC. BY ALPINE AND THE APPLICABLE DESIGN CODES. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. 13TH EDITION.



TC LL	20.0 PSF	REF R487-- 84016
TC DL	10.0 PSF	DATE 06/08/06
BC DL	10.0 PSF	DRW HCURSR487 06159094
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 35156
DUR.FAC.	1.25	
SPACING	24.0"	JRFF- ISXWAR7 205

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

See DWGS A11015EE0405 & GBLLETT1N0405 for more requirements.  
 In lieu of structural panels use purlins to brace TC @ 24" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

**SPECIAL LOADS**

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

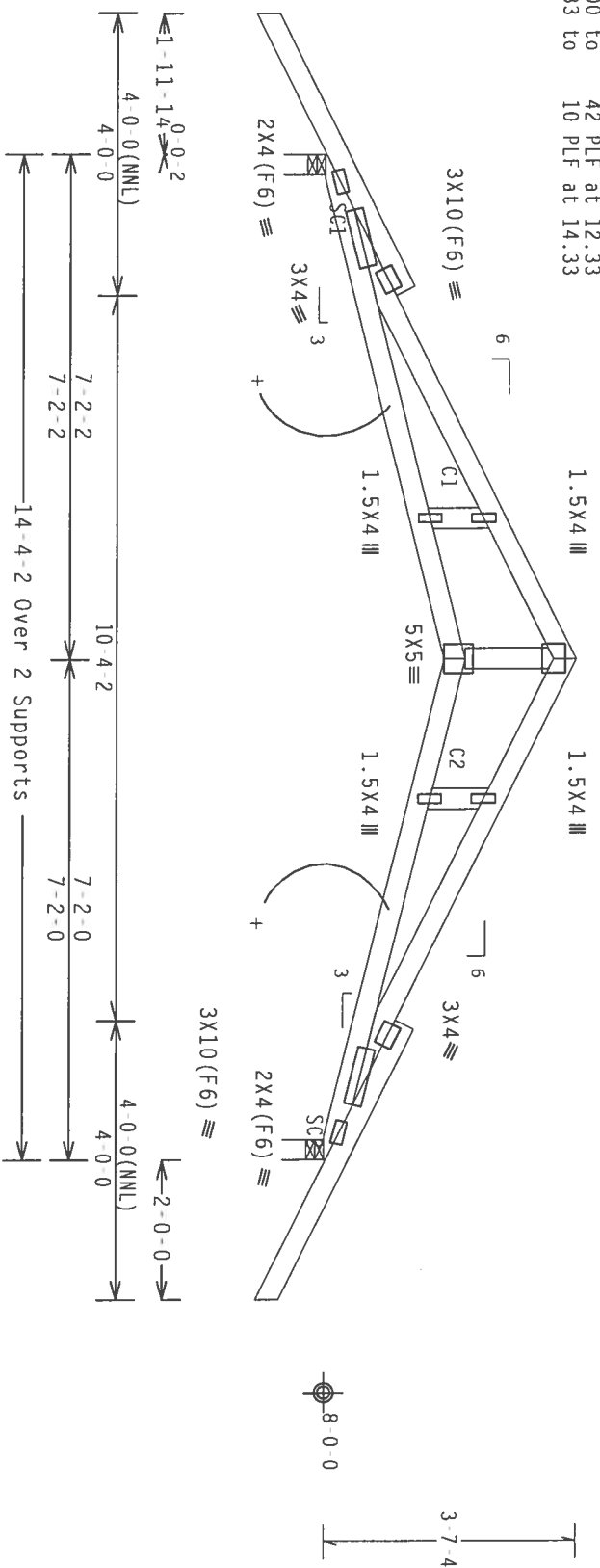
TC - From	95 PLF at -2.00 to 95 PLF at -0.01
TC - From	99 PLF at -0.01 to 101 PLF at 0.33
TC - From	101 PLF at 0.33 to 104 PLF at 2.00
TC - From	70 PLF at 2.00 to 80 PLF at 7.17
TC - From	80 PLF at 7.17 to 101 PLF at 12.33
TC - From	104 PLF at 12.33 to 101 PLF at 14.00
TC - From	101 PLF at 14.00 to 99 PLF at 14.33
TC - From	95 PLF at 14.33 to 10 PLF at 16.33
BC - From	10 PLF at -0.01 to 10 PLF at 2.00
BC - From	42 PLF at 2.00 to 42 PLF at 12.33
BC - From	10 PLF at 12.33 to 10 PLF at 14.33

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.

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

The Building Designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the Building Designer.

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



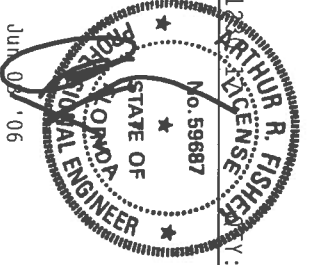
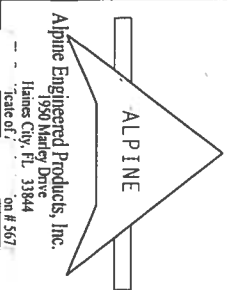
PLT TYP. Wave

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

Scale = .375"/ft.

**\*\*WARNING\*\*** TRUSSES: REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 584 DOWNSIDE DR., SUITE 200, HANSON, MI 48739) AND WCA (WOOD CONSTRUCTION COUNCIL OF AMERICA, 6300 INTERSTATE 18, TOP GROUND SMALL TIME PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SMALL TIME A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** TRUSS: 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 APPLICABLE PROVISIONS OF AOS (ADDITIONAL DESIGN SPEC. BY ALPINE) AND TPI. ALPINE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AOS (ADDITIONAL DESIGN SPEC. BY ALPINE) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604 Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TP11 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS1/TP1 1 SEC. 2.



TC LL	20.0 PSF	REF R487-84017
TC DL	10.0 PSF	DATE 06/08/06
BC DL	10.0 PSF	DRW HCUR487 06159138
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 35039
DUR.FAC.	1.25	DRFC- 1SXW187 205
SPACING	STF ABOVE	

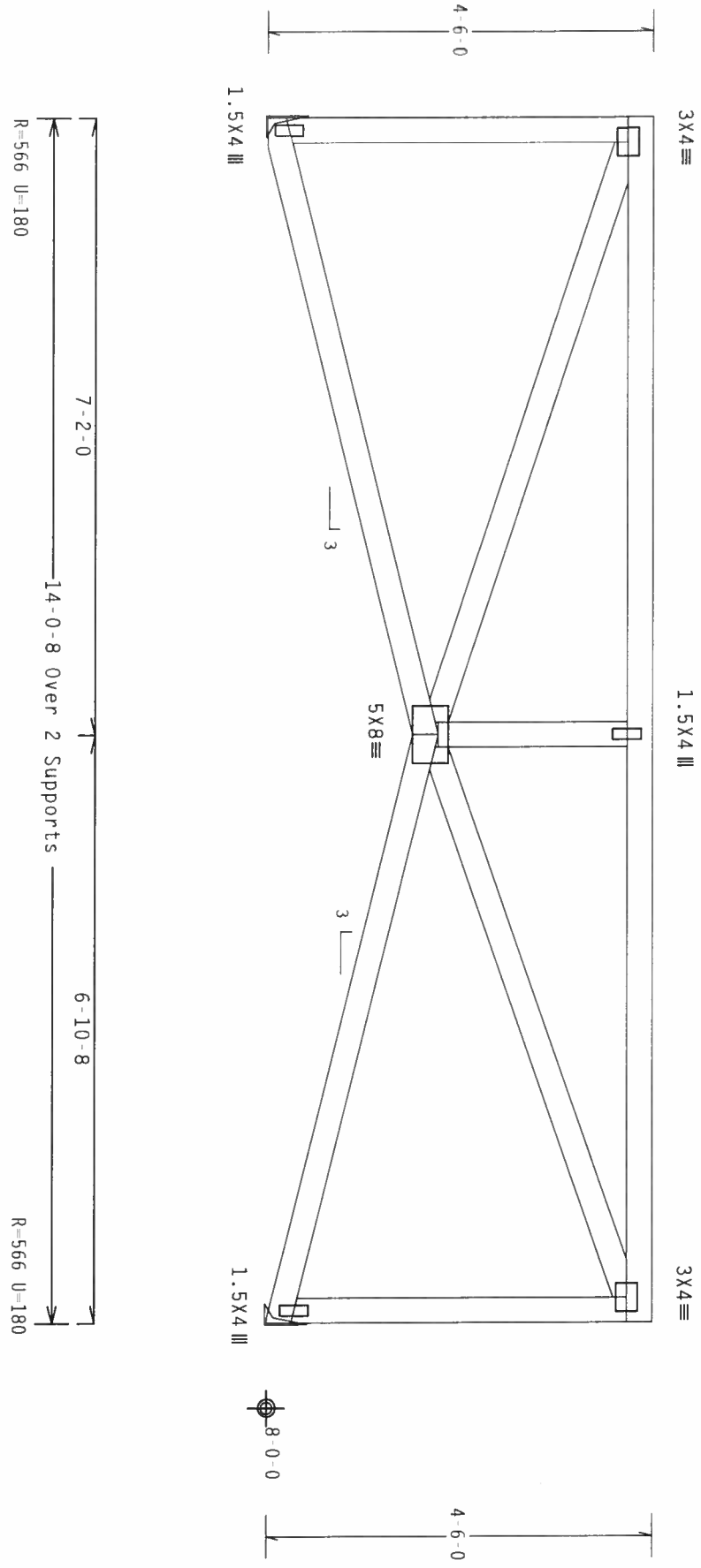




Top chord 2x4 SP #2 Dense  
 Bot chord 2x4 SP #2 Dense  
 Webs 2x4 SP #3

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.

End verticals not exposed to wind pressure.  
 Provide for complete drainage of roof.  
 Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

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

7.24.1

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

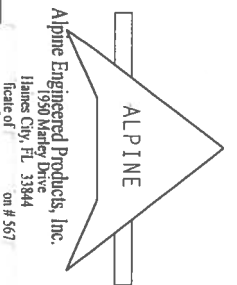
Scale = .5"/Ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC31 T-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 509 MILLER DR., SUITE 200, FARMINGTON, CT 06031) AND HRC-0001 TRUSS CONDUCT OF ARCHES, GABLE TRUSSES, THE MODIFIED TRUSS DESIGN SPECIFICATIONS, AND THE TRUSS DESIGN SPECIFICATIONS FOR THE DESIGN OF TRUSSES. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

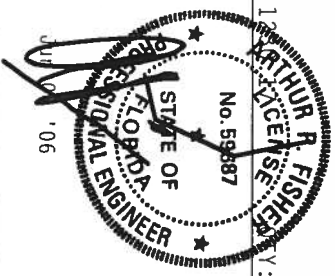
**\*\*IMPORTANT\*\*** OBTAIN A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES,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

CONNECTOR PLATES ARE MADE OF 20/19/16GA (W/S/K) ASH A653 GRADE 40/60 (W. K/H.S) GALV. STEEL. APPLY APPLICABLE 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 ANNE X AS OF TP11 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
 James City, FL 33844  
 850 Market Drive  
 813-938-5671  
 001 # 567



TC LL	20.0 PSF	REF R487 - 84020
TC DL	10.0 PSF	DATE 06/08/06
BC DL	10.0 PSF	DRW HCUR487 06159097
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 35067
DUR.FAC.	1.25	
SPACING	24.0"	JRFF- ISXW1R7 205

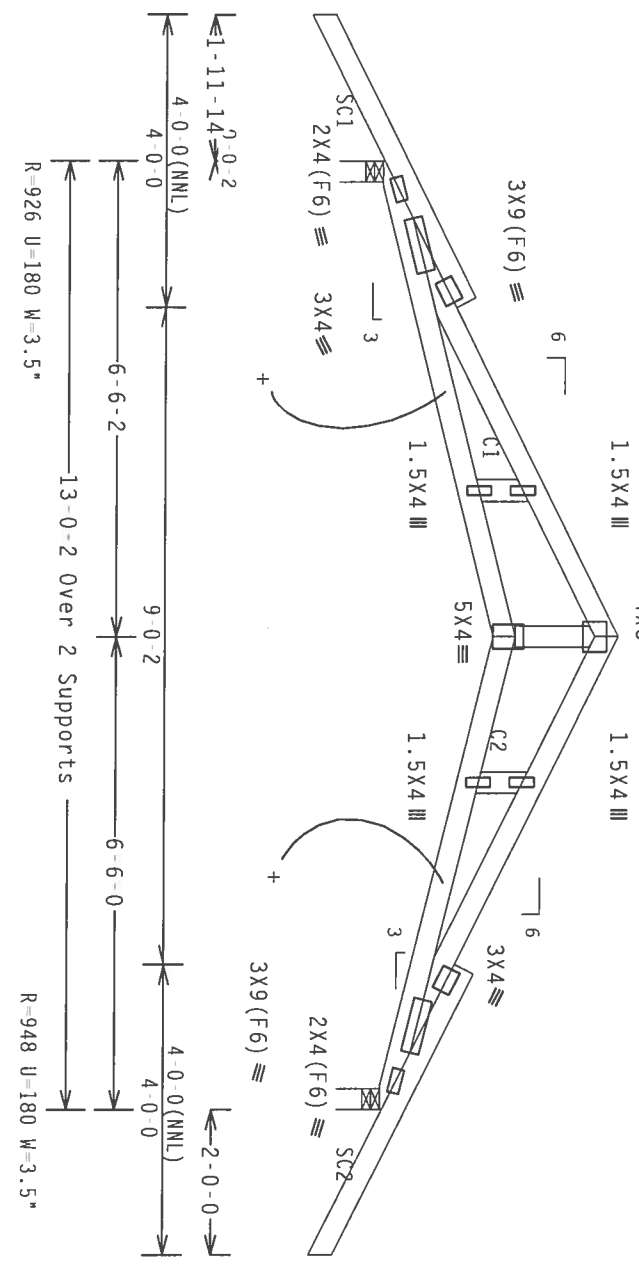


Top chord 2x4 SP #2 Dense  
 Bot chord 2x4 SP #2 Dense  
 Webs 2x4 SP #3  
 : Stack Chord SC1 2x4 SP #2 Dense:  
 : Stack Chord SC2 2x4 SP #2 Dense:

See DWGS A11015EE0405 & GBLLETTIN0405 for more requirements.  
 In lieu of structural panels use purlins to brace TC @ 24" OC.

**SPECIAL LOADS**

TC - From	95 PLF at -2.00 to 95 PLF at -0.01
TC - From	99 PLF at -0.01 to 101 PLF at 0.33
TC - From	101 PLF at 0.33 to 104 PLF at 2.00
TC - From	70 PLF at 2.00 to 78 PLF at 6.50
TC - From	78 PLF at 6.50 to 104 PLF at 11.00
TC - From	104 PLF at 11.00 to 99 PLF at 13.00
TC - From	95 PLF at 13.00 to 10 PLF at -0.01
TC - From	10 PLF at -0.01 to 10 PLF at 2.00
BC - From	42 PLF at 2.00 to 42 PLF at 11.00
BC - From	10 PLF at 11.00 to 10 PLF at 13.00



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.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

The Building Designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the Building Designer.

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

PLT TYP. Wave

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

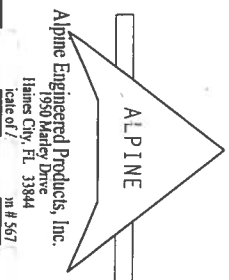
QTY: 1

Scale = .375"/ft.

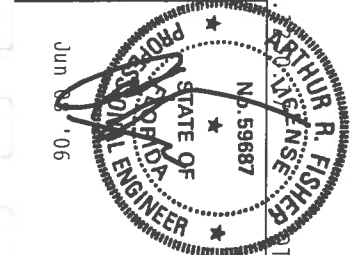
**WARNING\*\*** BRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 MADISON, WISCONSIN, WI 53717) AND WCA (WOOD TRUSS CONCEPT OF AMERICA, 6100 ENTERPRISE LN., TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL MAKE A PROPERLY ATTACHED RIGID CEILING.

**IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEER PRODUCERS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN.

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONTRACTS WITH APPLICABLE PROVISIONS OF 905 (ADDITIONAL DESIGN SPEC. BY AFRPA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/7/6GA (W/H/S/K) ASH 653 GRADE 40/60 (K, K/H, S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.



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

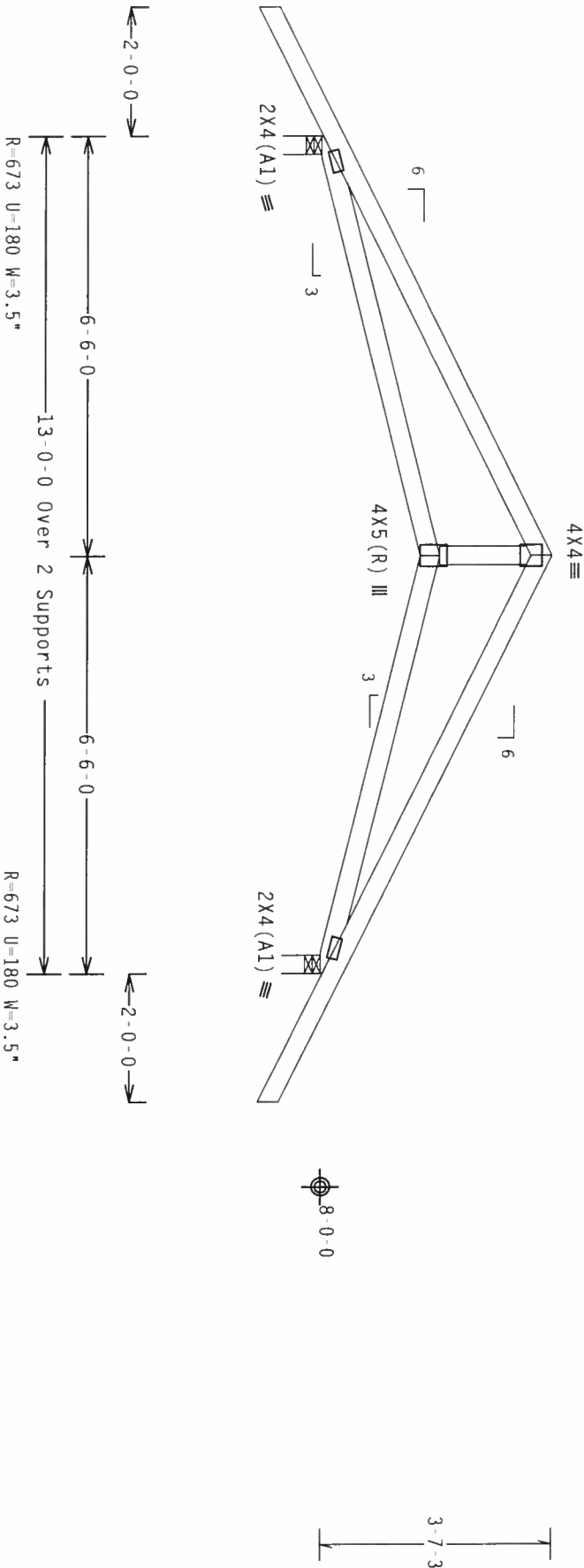


FL / - / 4 / - / - / R / -	TC LL	TC DL	BC DL	BC LL	TOT. LD.	DUR. FAC.
	20.0 PSF	10.0 PSF	10.0 PSF	0.0 PSF	40.0 PSF	1.25
REF	R487 -	84022	DATE	06/08/06	DRW	HCUSR487 06159140
DATE	06/08/06	DRW	HC-ENG TCE/AF	SEQN	35045	

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.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

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

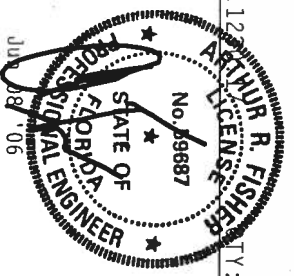
7.24.12

Scale = .375"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRING EXTERIOR GABLE OR HANGING, SHIPING, INSTALLING AND BRACING. DESIGN AND DETAILING TO 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. APPLICABLE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/E) ASIN A653 GRADE 40/60 (W. K/H.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

Alpine Engineered Products, Inc.  
James City, FL 33844  
on #567

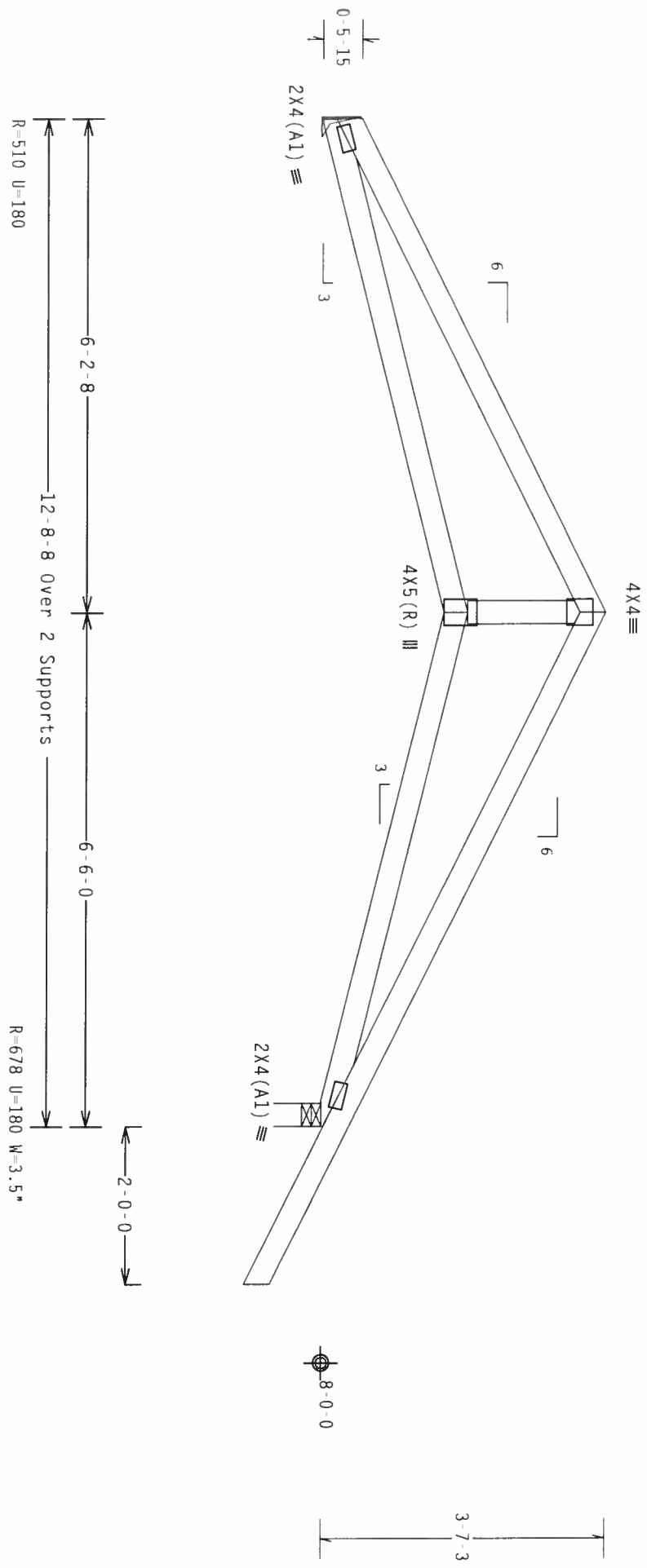


TC LL	20.0 PSF	REF	R487--	84023
TC DL	10.0 PSF	DATE	06/08/06	
BC DL	10.0 PSF	DRW	HCUSR487	06159141
BC LL	0.0 PSF	HC-ENG	TCE/AF	*
TOT.LD.	40.0 PSF	SEQN-	34990	
DUR.FAC.	1.25			
SPACING	24.0"	JRF-	ISXWAR7	Z05

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.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

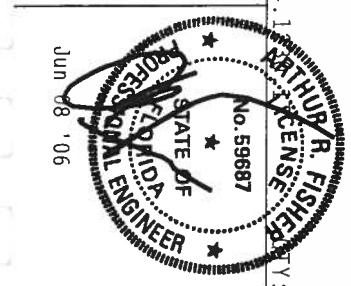
Design Crit: TPI-2002(STD)/FBC  
 Cq/RT=1.00(1.25)/10(0)

7.24.1

Scale = .5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BRSI 1.03 (BUILDING COMMON SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 DORCHESTER DR., SUITE 200, HAVISON, WI 53719, AND WCA (GOOD TRUSS CONNECTION) OF AMERICA, 6300 ENTERPRISE LN., WISCONSIN DR., SUITE 200, WISCONSIN, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OF TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AOS (ATIONAL DESIGN SPEC., BY ALPINE) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/W/S/E) ASTM A653 GRADE 40/60 (W, K/W, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SAFETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AM3/TPI 1 SEC. 2.

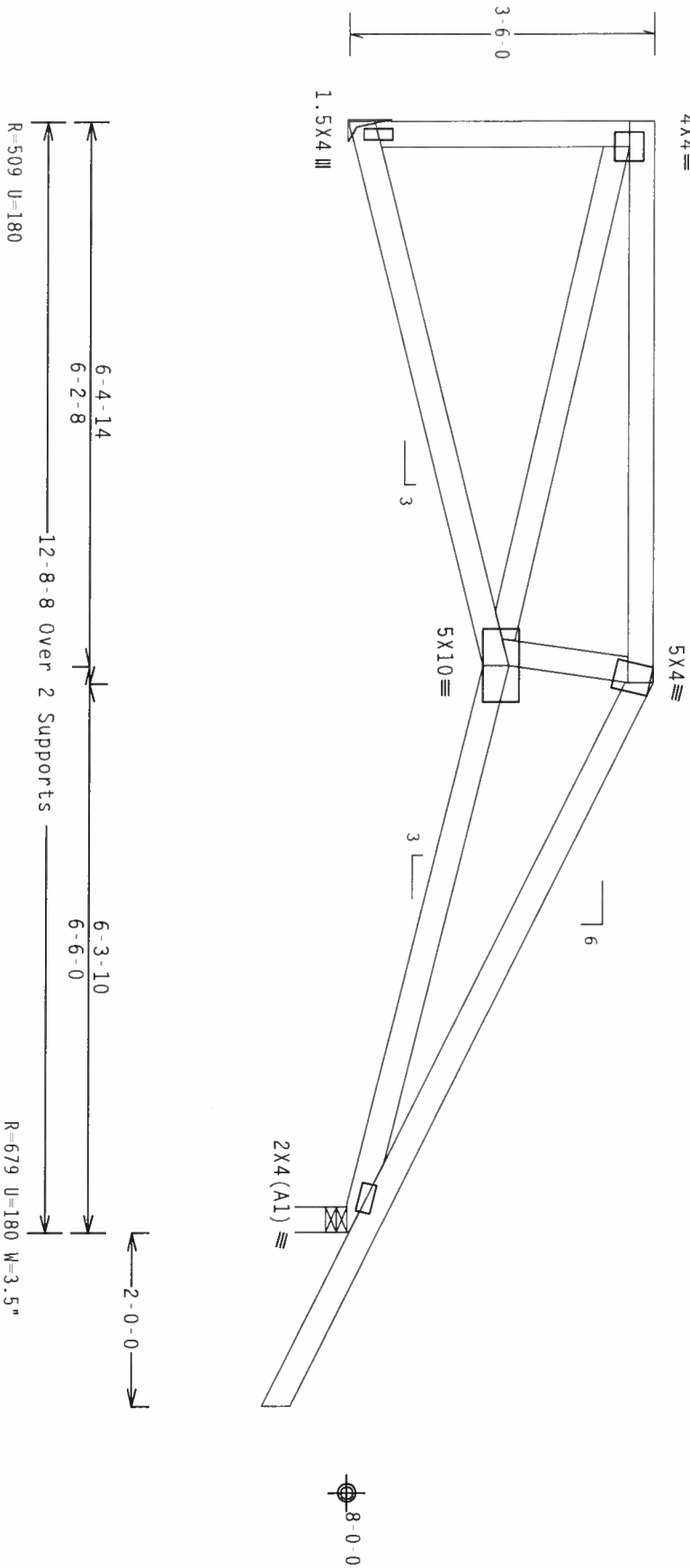


TC LL	20.0 PSF	REF	R487 - 84024
TC DL	10.0 PSF	DATE	06/08/06
BC DL	10.0 PSF	DRW	HCUSR487 06159080
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN	34984
DUR.FAC.	1.25		
CDVACING	24.0"	DRFF	1SXW1A97_Z05

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

Left end vertical not exposed to wind pressure.

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/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

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

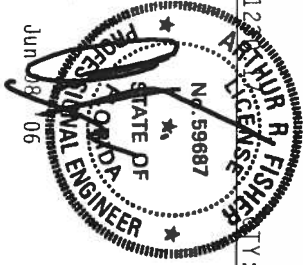
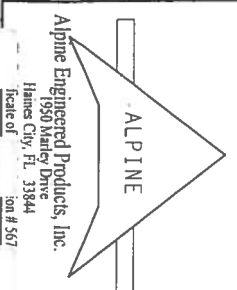
7.24.12

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

Scale = .5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RIGID BRACING IS REQUIRED TO MAINTAIN THE STABILITY OF THE TRUSS SYSTEM. THE FABRICATOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE BRACING SYSTEM. THE FABRICATOR 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 AISC 360-10 (STEEL STRUCTURAL DESIGN MANUAL) AND AISC 360-10 (STEEL DESIGN GUIDE). THE FABRICATOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE BRACING SYSTEM. THE FABRICATOR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



TC LL	20.0 PSF	REF	R487--	84025
TC DL	10.0 PSF	DATE	06/08/06	
BC DL	10.0 PSF	DRW	HCUSR487	06159079
BC LL	0.0 PSF	HC-ENG	TCE/AF	
TOT.LD.	40.0 PSF	SEQN-	34997	
DUR.FAC.	1.25			
SPACING	24.0"	JRFF-	1SXW4R7	Z05

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

**SPECIAL LOADS**

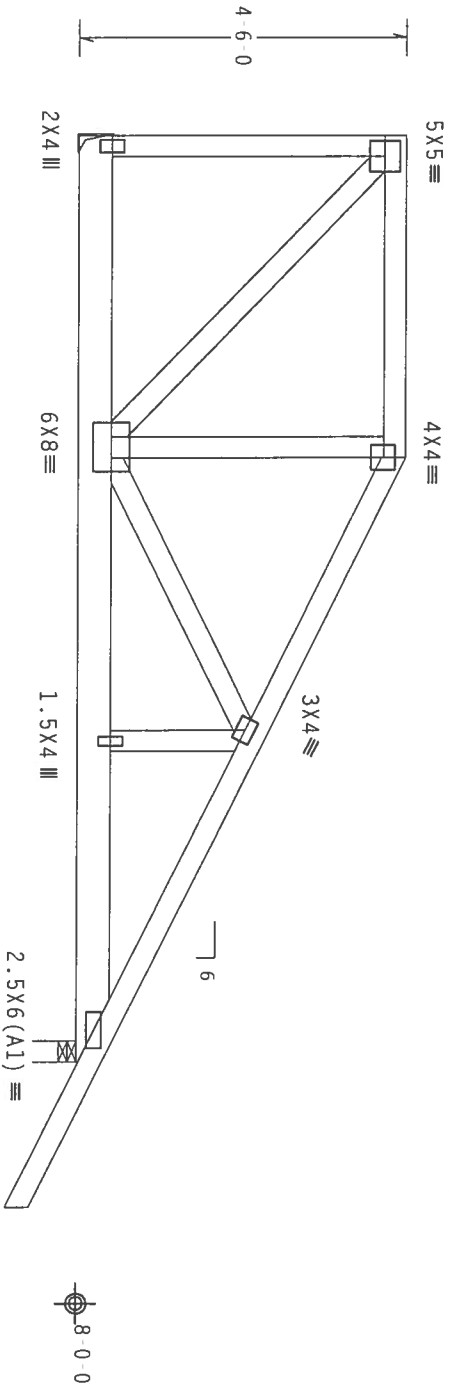
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC	From	62 PLF at 0.00 to	62 PLF at 14.71
BC	From	20 PLF at 0.00 to	20 PLF at 12.71
BC	From	4 PLF at 12.71 to	4 PLF at 14.71
BC	From	1050 LB Conc. Load at	1.65
BC	From	1049 LB Conc. Load at	3.65
BC	From	2221 LB Conc. Load at	5.65

Provide connection for concentrated load(s) shown.  
 Left end vertical not exposed to wind pressure.

**2 COMPLETE TRUSSES REQUIRED**

Nailing Schedule: (10d Common @ 0.148"x3", min.) nails  
 Top Chord: 1 Row @ 12.00" o.c.  
 Bot Chord: 1 Row @ 5.50" o.c.  
 Webs : 1 Row @ 4" o.c.  
 Use equal spacing between rows and stagger nails in each row to avoid splitting.  
 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, 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/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

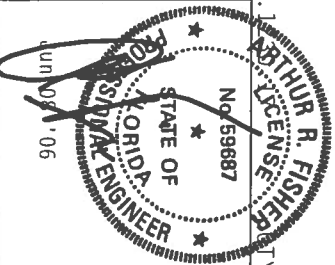
Design Crit: TPI-2002(STD)/FBC  
 Cq/RT=1.00(1.25)/10(0)

7.24.1

Scale = .375"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 Q03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 MADISON, MI 48226), FOR MORE INFORMATION. THIS TRUSS IS DESIGNED FOR A 6000 LBS PER LINE LOAD. 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 BCS (NATIONAL DESIGN SPEC. BY AFRPA) AND TPI. ALPINE ENGINEERED PRODUCTS ARE MADE OF 20/18/16GA (K/M/S/K) ASTM A563 GRADE 40/60 (K/M/S) GALV. STEEL. APPLY PLATES TO EACH FACT OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TGA-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX 1 SEC. 7.



Alpine Engineered Products, Inc.  
 1950 Marley Drive  
 Gaines City, FL 33844  
 Tel: 813-391-5672

FL	/4	/-/-	/R	Scale = .375"/ft.
TC LL	20.0	PSF	REF R487	84026
TC DL	10.0	PSF	DATE	06/08/06
BC DL	10.0	PSF	DRW HCUSR487	06159078
BC LL	0.0	PSF	HC-ENG TCE/AF	
TOT. LD.	40.0	PSF	SEQN-	35027
DUR. FAC.	1.25			



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

See DWGS A11015EE0405 & GBLLETT100405 for more requirements.  
 In lieu of structural panels use purlins to brace TC @ 24" OC.

**SPECIAL LOADS**

MEMBER	DUR.	FAC.	=1.25 /	PLATE DUR.	FAC.	=1.25)
TC - From	95	PLF	at	-2.00	to	95
TC - From	99	PLF	at	0.00	to	107
TC - From	73	PLF	at	2.00	to	83
TC - From	107	PLF	at	4.25	to	73
TC - From	95	PLF	at	6.50	to	99
TC - From	95	PLF	at	8.50	to	107
TC - From	10	PLF	at	0.00	to	95
TC - From	41	PLF	at	2.00	to	41
TC - From	10	PLF	at	6.50	to	10

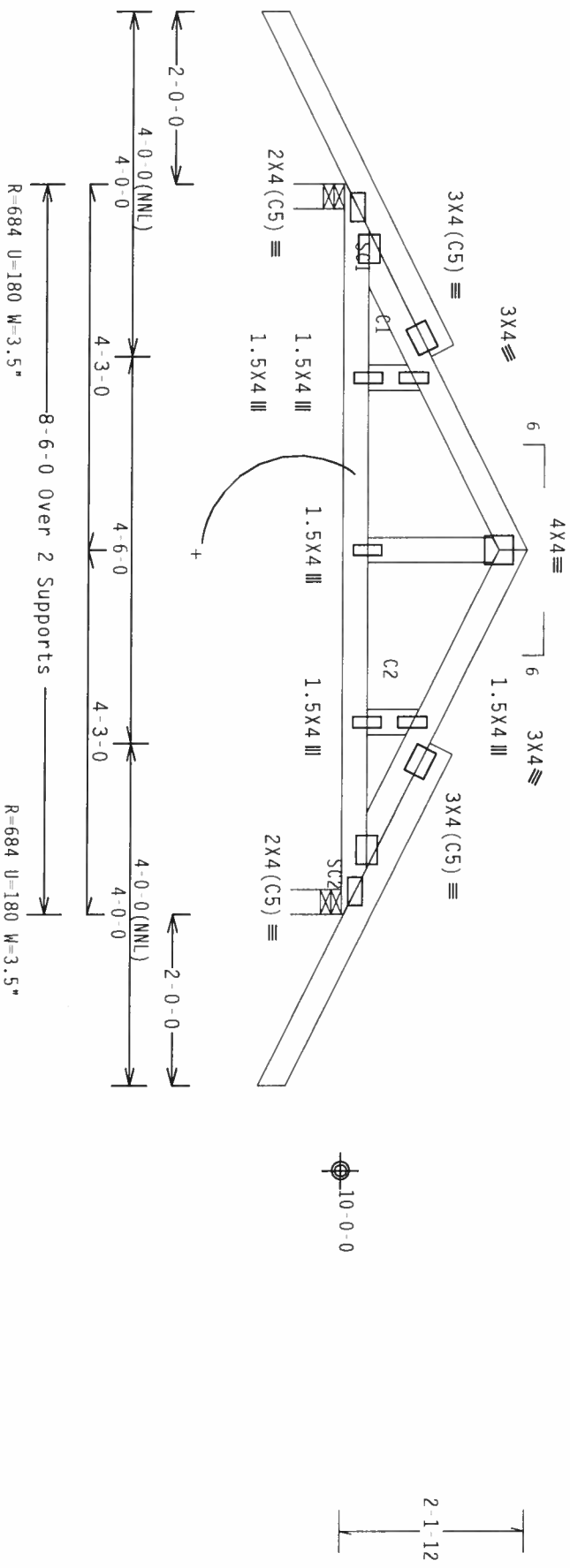
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

The Building Designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the Building Designer.

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



PLT TYP. Wave

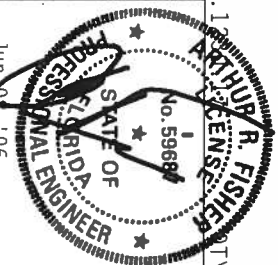
Design Crit: TPI-2002(STD)/FBC  
 Cq/RT=1.00(1.25)/10(0) 7.24.12

Scale = .5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE DRAWING FOR ALL DIMENSIONS AND TOLERANCES. THE TRUSS SHALL BE ASSEMBLED IN ACCORDANCE WITH THE DIMENSIONS AND TOLERANCES SHOWN ON THE DRAWING. THE TRUSS SHALL BE ASSEMBLED IN ACCORDANCE WITH THE DIMENSIONS AND TOLERANCES SHOWN ON THE DRAWING. THE TRUSS SHALL BE ASSEMBLED IN ACCORDANCE WITH THE DIMENSIONS AND TOLERANCES SHOWN ON THE DRAWING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.



**ALPINE**

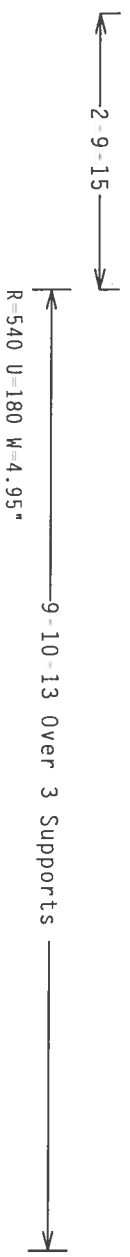
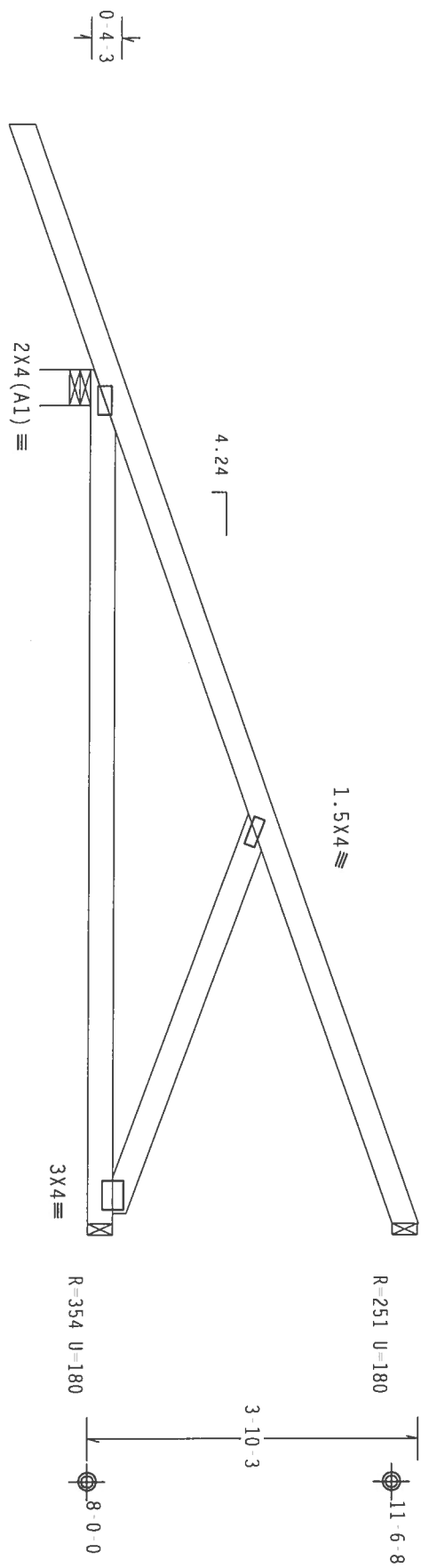
Alpine Engineered Products, Inc.  
 1950 Marley Drive  
 Gainesville, FL 32604  
 Phone: 352-338-4444  
 Fax: 352-338-4444  
 Email: sales@alpine.com

SPACING	SEFF	ABOVF	JREF	ISXW	AW	Z05
TC LL	20.0	PSF	REF	R487	-	84028
TC DL	10.0	PSF	DATE	06/08/06		
BC DL	10.0	PSF	DRW	HCUSR487	06159143	
BC LL	0.0	PSF	HC-ENG	TCE/AF		
TOT. LD.	40.0	PSF	SEQN-	35051		
DUR. FAC.	1.25					

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

Hipjack supports 7'-0" setback jacks with no webs.  
 Provide ( 2 ) 16d common nails (0.162"x3.5"), toe nailed at Top chord.  
 Provide ( 3 ) 16d common nails (0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  
 Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



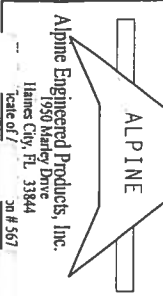
PLT TYP. Wave

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

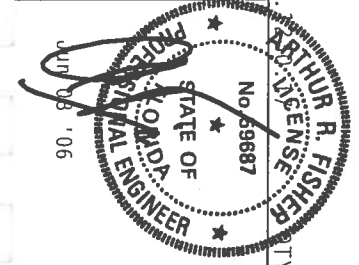
Scale = .5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGN (OUTLINED COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS INSTITUTE, 583 BRIDGE ST., BRIDGEVILLE, PA 15005) AND REFERENCING TPI'S CODES OF AMERICA, 6300 ENTERPRISE LN., HADISON, NJ 07719) FOR SAFETY PRACTICES PRIOR TO FABRICATION. ALL TRUSSES MUST BE 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 COMPLIANCE WITH APPLICABLE PROVISIONS OF HOS (NATIONAL DESIGN SPEC. BY AFRPA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/T606 (M, H/S/K) ASTM A573 GRADE 40/60 (M, K/UL/S) GALV. STEEL. APPLY 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 AMEX A3 OF TPI-2002 SECT. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMS/TP1 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN COMPLIANCE WITH APPLICABLE PROVISIONS OF HOS (NATIONAL DESIGN SPEC. BY AFRPA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/T606 (M, H/S/K) ASTM A573 GRADE 40/60 (M, K/UL/S) GALV. STEEL. APPLY 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 AMEX A3 OF TPI-2002 SECT. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMS/TP1 1 SEC. 2.

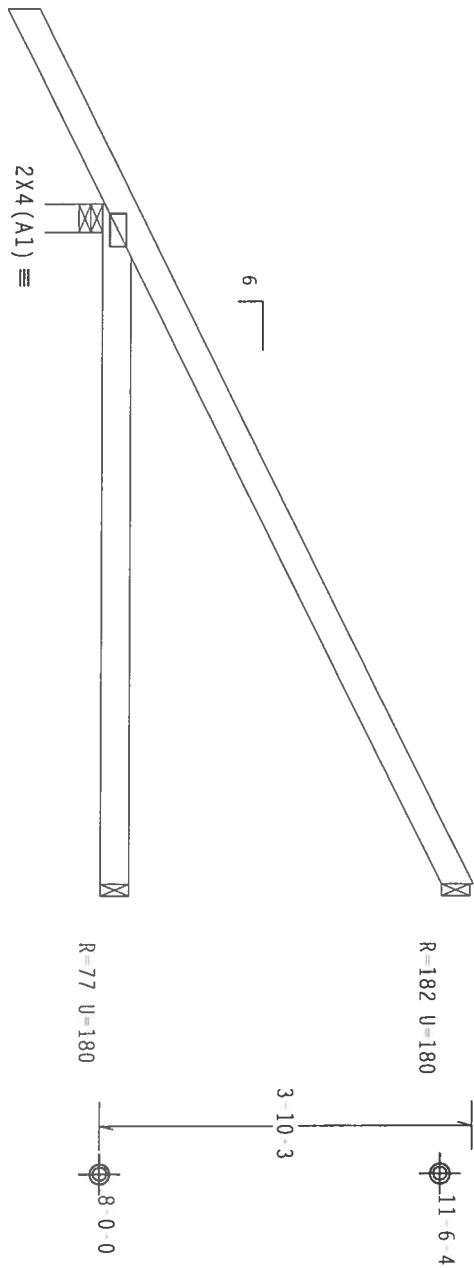


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TC DL	10.0 PSF	DATE 06/08/06
BC DL	10.0 PSF	DRW HCUSR487 06159144
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT. LD.	40.0 PSF	SEQN- 34946
DUR. FAC.	1.25	

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

Deflection meets L/360 live and L/240 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.  
Provide ( 2 ) 16d common nails (0.162"x3.5"), toe nailed at Top chord.  
Provide ( 2 ) 16d common nails (0.162"x3.5"), toe nailed at Bot chord.

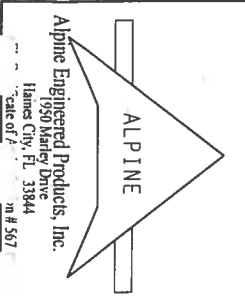


PLT TYP. Wave

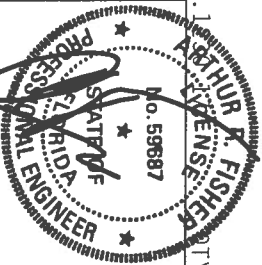
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00 (1.25)/10 (0) 7.24.1

**WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 983 MADISON DR., SUITE 200, MADISON, WI 53719) AND WICKI (WOOD TRUSS CONNECTOR OF AMERICA, 6200 EARLEHURST LN., MADISON, WI 53719) FOR PERFORMING THESE CONNECTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.**

**\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE OF THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES WITH APPLICABLE PROVISIONS OF BOB (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/TIGA (M/N/S/K) ASTM A653 GRADE 40/60 (K, K/N, S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERMITTED AS OF TPI 1 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.**



Alpine Engineered Products, Inc.  
Haines City, FL 33844  
1990 Marley Drive  
m#567



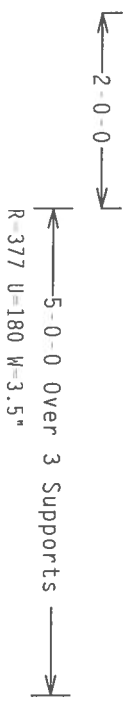
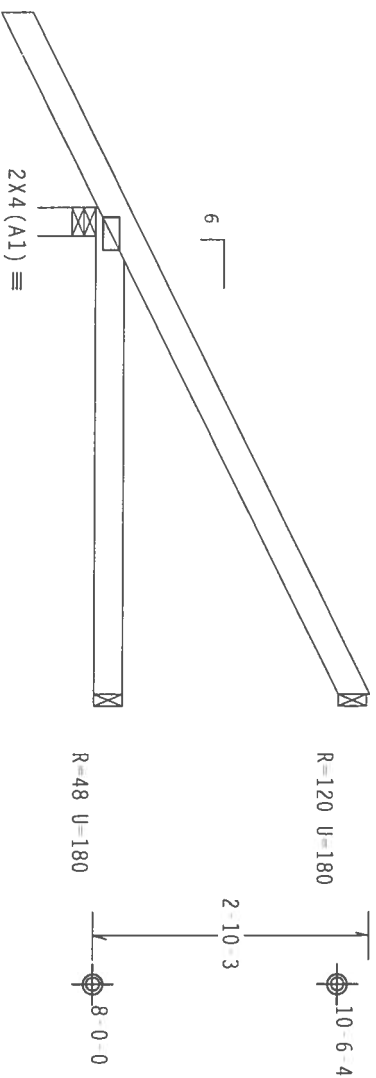
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TC DL	10.0 PSF	DATE 06/08/06
BC DL	10.0 PSF	DRW HCURS487 06159145
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT. LD.	40.0 PSF	SEQN- 34917
DUR. FAC.	1.25	
SPACING	24.0"	JRF- LSXW07 Z05

Scale = 5"/ft.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Top chord.  
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



PLT TYP. Wave

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

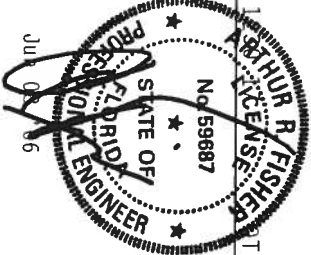
TY:1 FL/-/4/-/R/-

Scale =.5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RETAINING WALLS, SOILS, FOUNDATIONS, PUBLISHING BY THE TRUSS PLATE INSTITUTE, 508 BROAD RD. SUITE 200, HANCOCK, MI 48030. CONTACT: AMERICA'S 6500 ENTERPRISE TR. HANCOCK, MI 48030. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE CONSTRUCTION ACTIVITIES OTHER THAN INDICATED, THE USER 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 AIAA 6053 GRADE 40/50 (K, K/H, S) GALV. STEEL. APPLY CONNECTOR PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. AIR INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 13.5. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/ASCE 13.5.2.

**ALPINE**  
Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Phone # 888-356-3565

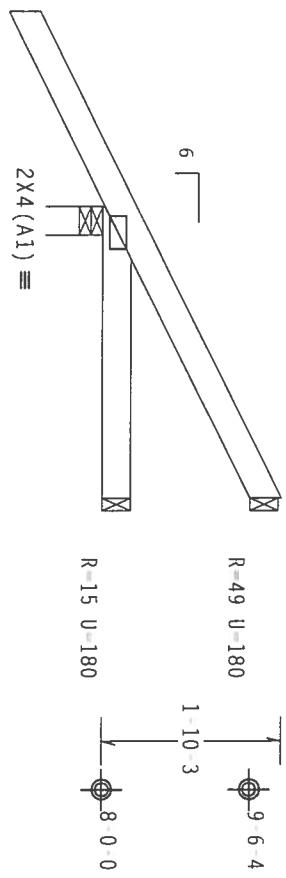


TC LL	20.0 PSF	REF R487 - 84031
TC DL	10.0 PSF	DATE 06/08/06
BC DL	10.0 PSF	DRW HCUR487 06159146
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT. LD.	40.0 PSF	SEQN - 34922
DUR. FAC.	1.25	
SPACING	24.0"	JREF - 1SXW487 Z05

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Top chord.  
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



PLT TYP. Wave

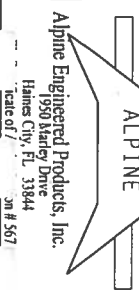
Design Crit: TP1-2002 (STD) /FBC  
Cq/RT=1.00(1.25)/10(0)

7.24.1

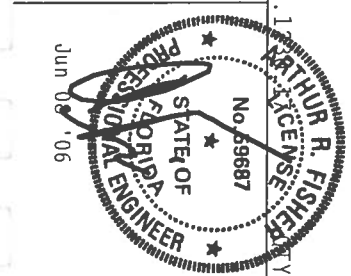
Scale = .5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXERCISE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC31 FOR GUIDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 583 MADISON BLVD., SUITE 200, FARMINGTON, NJ 07419, AND NCA (GOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., WASHINGTON, DC 20004) FOR TRUSS CONNECTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD TRUSSES IN CONFORMANCE WITH THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIAA (ASTM A995) AND AIAA (ASTM A995) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) DESIGN GUIDE 1. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/SPC 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD TRUSSES IN CONFORMANCE WITH THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIAA (ASTM A995) AND AIAA (ASTM A995) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) DESIGN GUIDE 1. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/SPC 1 SEC. 2.

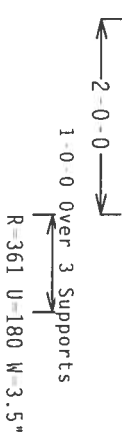
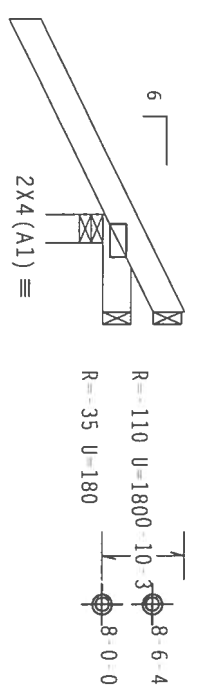


TC LL	20.0 PSF	REF R487 - 84032
TC DL	10.0 PSF	DATE 06/08/06
BC DL	10.0 PSF	DRW HCUR487 06159147
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT. LD.	40.0 PSF	SEQN - 34928
DUR. FAC.	1.25	
SPACING	24.0"	JRF - 1SXW4R7 Z05

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Top chord.  
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



PLT TYP. Wave

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

7.24.1

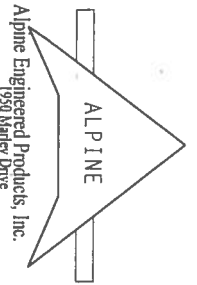
FL/-/4/-/R/-

Scale =.5"/ft.

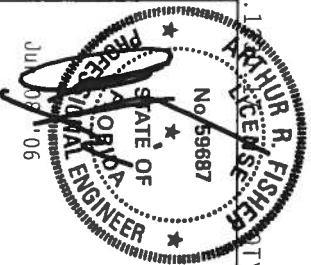
**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RECOMMEND THAT ALL TRUSSES BE MANUFACTURED BY A TRUSS MANUFACTURER WHO IS A MEMBER OF THE NATIONAL TRUSS MANUFACTURERS ASSOCIATION (NTMA). THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AOS (NATIONAL DESIGN SPEC. BY AF&PA AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASH A653 GRADE 40/60 GR. K/H/S) GALV. STEEL. ALPINE PLATES TO EACH FACT OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 11 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.

ALPINE



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



TC LL	20.0 PSF	REF R487 - 84033
TC DL	10.0 PSF	DATE 06/08/06
BC DL	10.0 PSF	DRW HCUR487 06159148
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT. LD.	40.0 PSF	SEQN- 34919
DUR. FAC.	1.25	
SPACING	24.0"	

JRF- 1SXW07 205

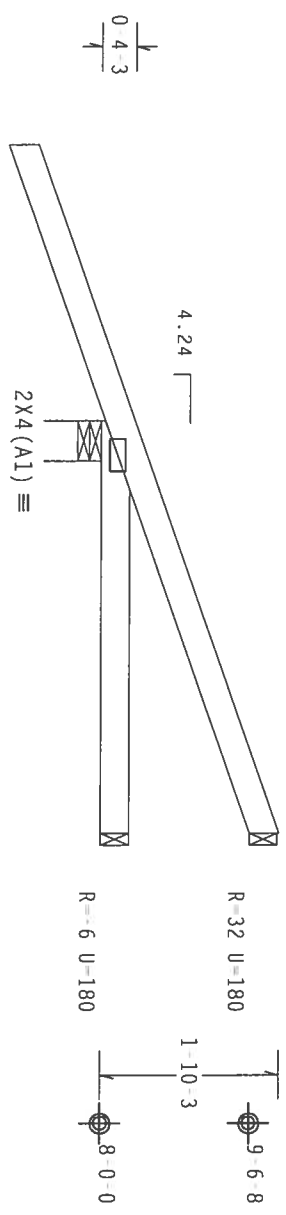
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense

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

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/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



2-9-15  
4-2-15 Over 3 Supports  
R-319 U-180 W-4.95\*

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  
JUN 08 '06

FL-/4/-/-/R/-  
Scale = .5"/ft.

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

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RECOMMEND THAT ALL TRUSS COMPONENTS BE PROVIDED WITH PROPER LABELING AND IDENTIFICATION. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE PROPER IDENTIFICATION OF ALL TRUSS COMPONENTS. 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 THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 2002 INTERNATIONAL DESIGN SPEC. BY AIA/RAI AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (M/H/S/K) ASTM A653 GRADE 40/60 (K. K/LL/SI GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE QUALITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. SECTION 5.

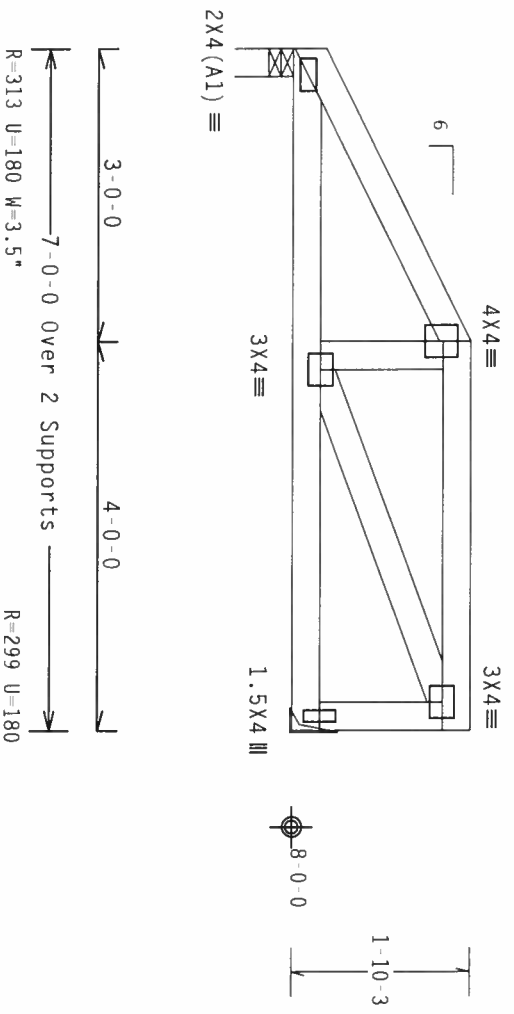
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TC DL	10.0 PSF	DATE	06/08/06
BC DL	10.0 PSF	DRW	HCUSR487 06159154
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT. LD.	40.0 PSF	SEQN	34953
DUR. FAC.	1.25		

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

#1 hip supports 3-0-0 jacks with no webs.  
 Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

Left side jacks have 3-0-0 setback with 0-0-0 cant and 1-6-0 overhang. End jacks have 3-0-0 setback with 0-0-0 cant and 1-6-0 overhang. Right side jacks have 0-0-0 setback with 0-0-0 cant and 0-0-0 overhang.



PLT TYP. Wave

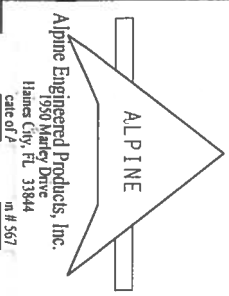
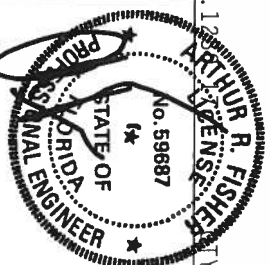
Design Crit: TPI-2002(STD)/FBC  
 Cq/RT=1.00(1.25)/10(0)

7.24.12

Scale = .5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 503 MADISON AVE., SUITE 200, MADISON, WI 53703 AND NRC (NATIONAL ROOFING CONTRACTORS OF AMERICA, 6800 ENTERPRISE LN., TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (E/H/S/K) ASTM A653 GRADE 40/60 (H, K/P/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.



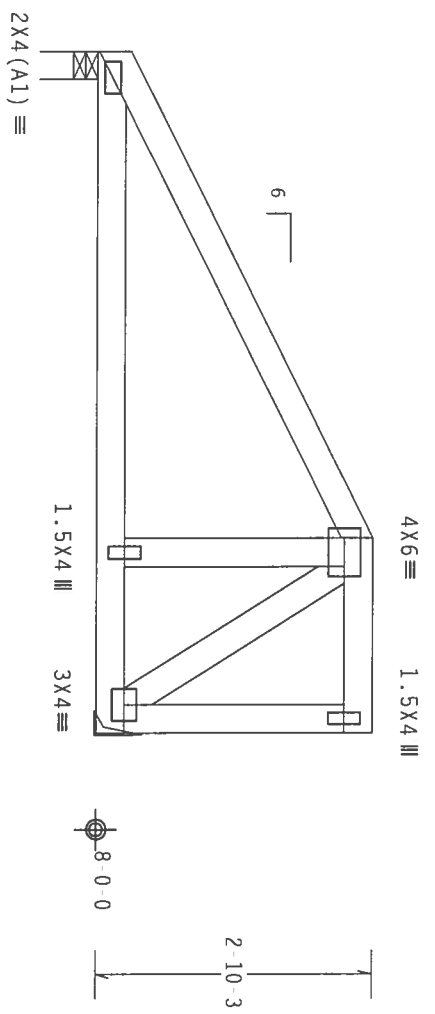
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BC DL	10.0 PSF	DRW	HCSR487 06159149
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT. LD.	40.0 PSF	SEQN-	35074
DUR. FAC.	1.25		
SPACING	SEE ABOVE	JRF	1SXW487 Z05

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

#1 hip supports 5-0-0 jacks with no webs.  
 Left side jacks have 5-0-0 setback with 0-0-0 cant and 2-0-0 overhang. End jacks have 5-0-0 setback with 0-0-0 cant and 2-0-0 overhang. Right side jacks have 0-0-0 setback with 0-0-0 cant and 0-0-0 overhang.

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

Right end vertical not exposed to wind pressure.  
 Deflection meets L/360 live and L/240 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)

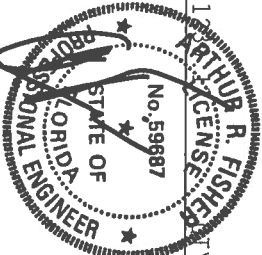
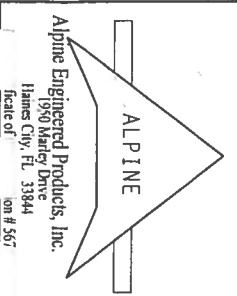
TY:1

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

Scale = .5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 503 DUNDON DR., SUITE 200, MADISON, WI 53719, AND NIA (GOOD TRUSS CONSOLE OF AMERICA, 6000 EIGHTH STREET, N. 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 DETAILING FROM THIS DESIGN. ANY FAILURE OF TRUSSES IN COMPLIANCE WITH THE DESIGN OR FABRICATING, UNLOADING, SHIPPING, INSTALLING, BRACING OR ALPINE DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF 905 QUALIFIED DESIGN SPEC. BY ALPINE AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/N/S/X) ASTM A563 GRADE 40/60 CR. K/H/S GALEY STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS1/TPI 1 SEC. 2.



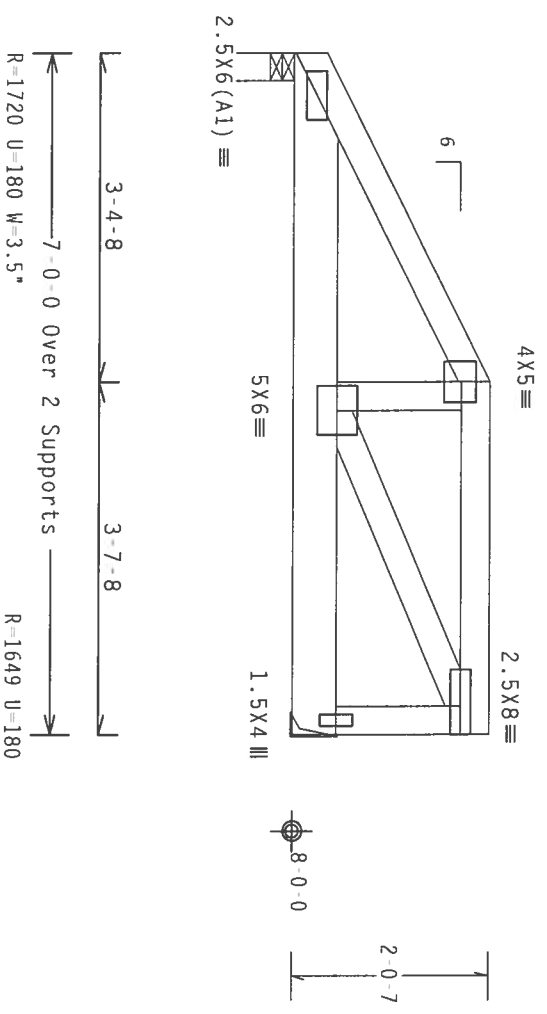
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TC DL	10.0 PSF	DATE 06/08/06
BC DL	10.0 PSF	DRW HCUR487 06159089
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT. LD.	40.0 PSF	SEQN - 35096
DUR. FAC.	1.25	
SPACING	SEE ABOVE	JRFF - 1SXW07 205

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

Girder supports 21-8-0 span to BC one face and 2-0-0 span to TC/BC split opposite face.

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

Right end vertical not exposed to wind pressure.  
 Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

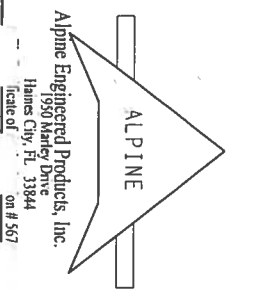


PLT TYP. Wave

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

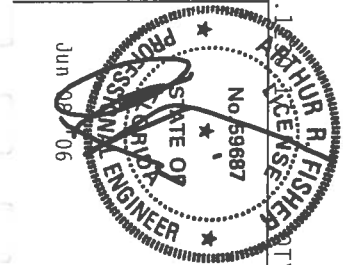
QTY: 1

Scale = .5" / ft.



**\*\*WARNING\*\*** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC#1-00 (OUTLINED COMPONENT SAFETY FABRICATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 MADISON, W 53119) FOR THE PROPER AND SAFE TRUSS CONSTRUCTION. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/T6064 (M-11/SX) ASH 6063 GRADE 40/60 (K, K/N, S) GALV. STEEL. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX AS OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/ASCE 7.



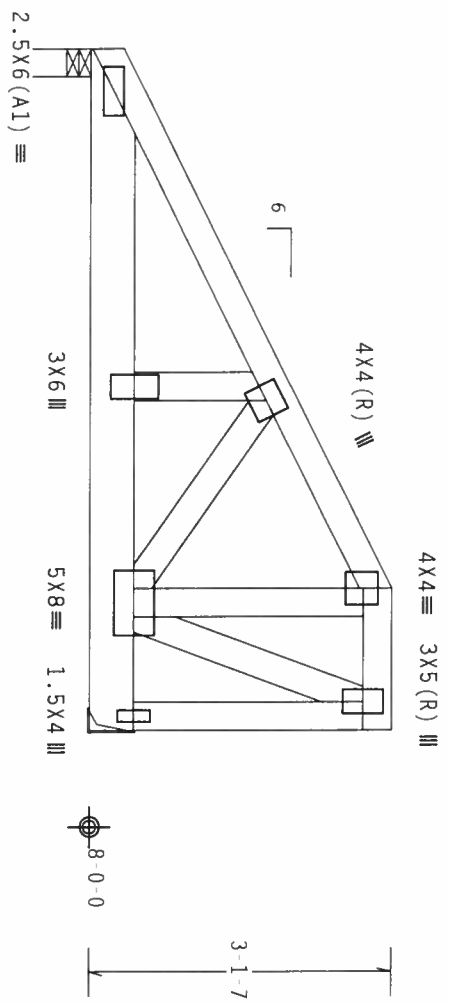
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TC LL		20.0		PSF	REF	R487 -	84037		
TC DL		10.0		PSF	DATE	06/08/06			
BC DL		10.0		PSF	DRW	HGUSR487	06159150		
BC LL		0.0		PSF	HC-ENG	TCE/AF			
TOT. LD.		40.0		PSF	SEQN	35081			
DUR. FAC.		1.25							

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

Girder supports 18'-1-2 span to BC one face and 2'-0-0 span to TC/BC split opposite face.

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

Right end vertical not exposed to wind pressure.  
 Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



7-0-0 Over 2 Supports  
 R=1457 U=180 W=3.5"  
 R=1397 U=180

PLT TYP. Wave

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

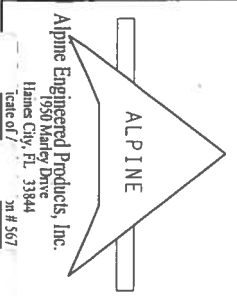
7.24.1

FL/-/4/-/R/-

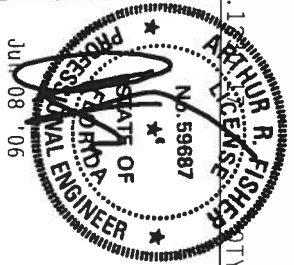
Scale = .5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. BEARING CAPACITY IS LIMITED BY THE FABRICATOR'S DESIGN AND CONSTRUCTION. THE FABRICATOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE TRUSS. THE FABRICATOR 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 AISC (NATIONAL DESIGN SPEC. BY AREA) 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 AREA A3 OF TPI 1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN UNDER THE SOLELIABILITY AND USE OF THIS CORPORATION FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AREA 1 SEC. 2.



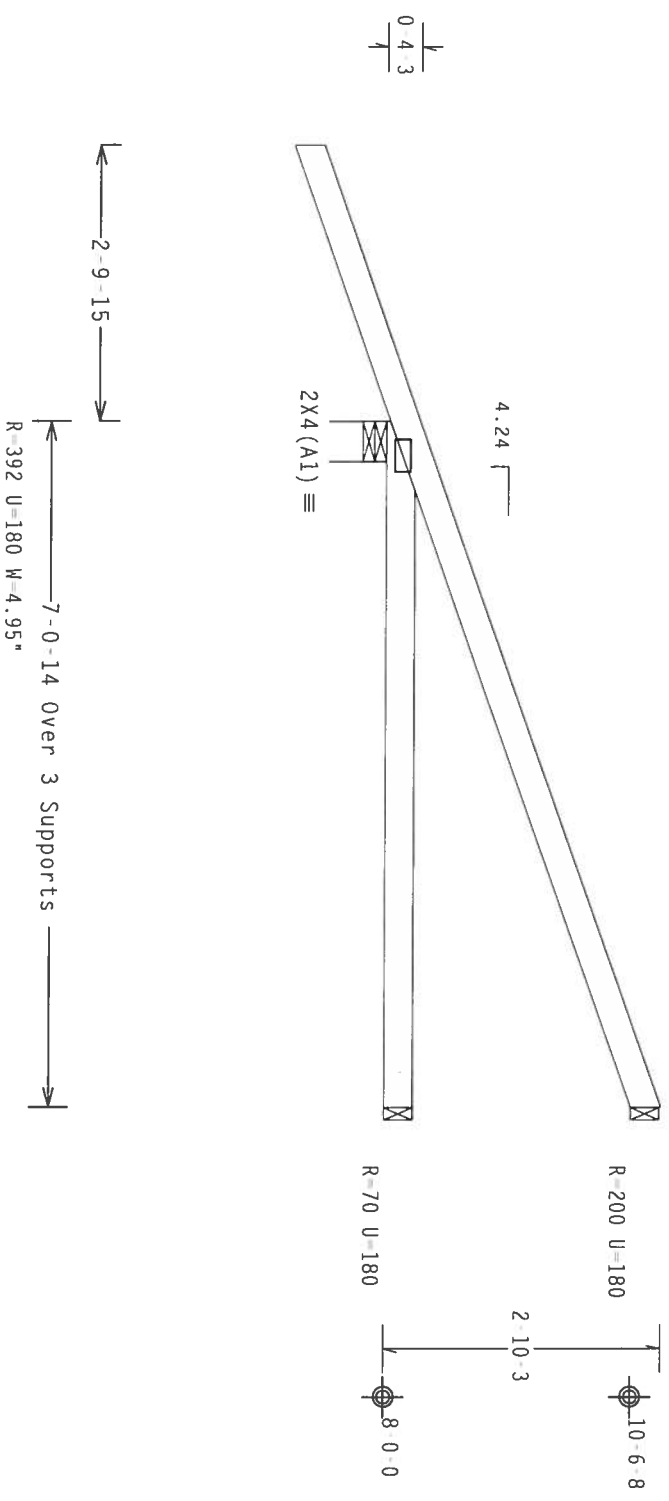
Alpine Engineered Products, Inc.  
 1950 Marley Drive  
 Haines City, FL 33844  
 Tel: 888/567-3467



TC LL	20.0 PSF	REF R487--	84038
TC DL	10.0 PSF	DATE	06/08/06
BC DL	10.0 PSF	DRW HCUR487	06159090
BC LL	0.0 PSF	HC-ENG TCE/AF	
TOT. LD.	40.0 PSF	SEQN-	35104
DUR. FAC.	1.25		
SPACING	SEE ABOVE		

Top chord 2x4 SP #2 Dense  
 Bot chord 2x4 SP #2 Dense  
 Hipjack supports 5 0-0 setback jacks with no webs.  
 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/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

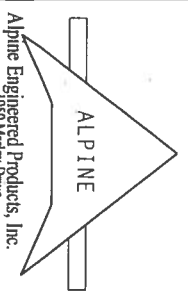
Design Crit: TPI-2002(STD)/FBC  
 Cq/RT=1.00(1.25)/10(0)

7.24.1

Scale = .5"/ft.

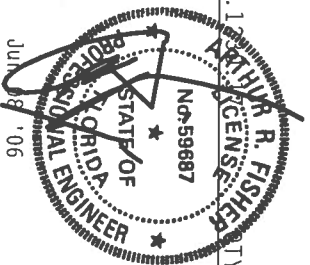
**\*\*WARNING\*\*** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RIGID CEILING. (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100) (101) (102) (103) (104) (105) (106) (107) (108) (109) (110) (111) (112) (113) (114) (115) (116) (117) (118) (119) (120) (121) (122) (123) (124) (125) (126) (127) (128) (129) (130) (131) (132) (133) (134) (135) (136) (137) (138) (139) (140) (141) (142) (143) (144) (145) (146) (147) (148) (149) (150) (151) (152) (153) (154) (155) (156) (157) (158) (159) (160) (161) (162) (163) (164) (165) (166) (167) (168) (169) (170) (171) (172) (173) (174) (175) (176) (177) (178) (179) (180) (181) (182) (183) (184) 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ALPINE



Alpine Engineering Products, Inc.  
 1950 Marley Drive  
 James City, FL 33844  
 Phone: (813) 567-1111  
 Fax: (813) 567-1112

**\*\*IMPORTANT\*\*** TURN IN 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-2002 (STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE INTERNATIONAL BUILDING CODES OF AMERICA, 6300 CENTERVILLE, OH. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.  
 CONNECTOR PLATES ARE MADE OF 20/18/16GA (E-N/S/K) ASTM A653 GRADE 40/60 (M. K/H/SI GALV. STEEL. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 13.5. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT INCLUDING DESIGNER PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 13.5.2.



TC LL	20.0 PSF	REF R487 - 84039
TC DL	10.0 PSF	DATE 06/08/06
BC DL	10.0 PSF	DRW HCURR487 06159151
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT LD.	40.0 PSF	SEQN- 34951
DUR. FAC.	1.25	
SPACING	SFF ABOVE	DRFF - ISXW487 Z05

# CLB WEB BRACE SUBSTITUTION

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

### NOTES:

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

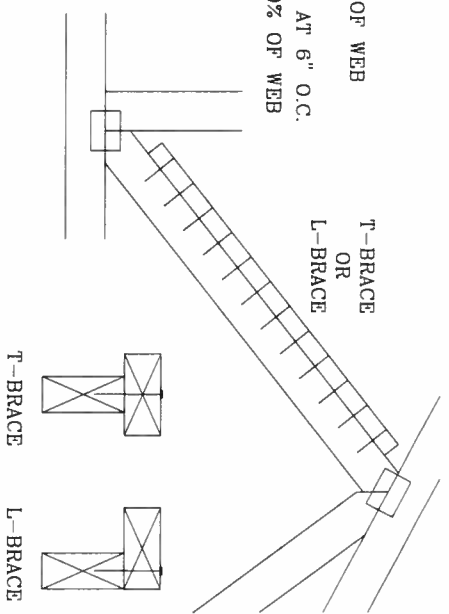
ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

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

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

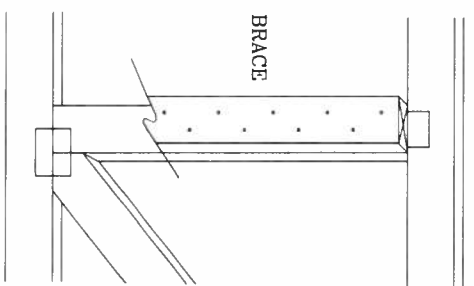
(\*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

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



### SCAB BRACING:

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

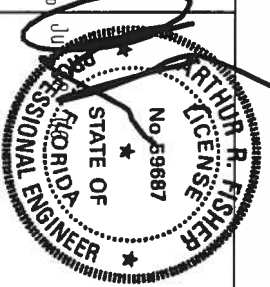


THIS DRAWING REPLACES DRAWING 579,640

ALPINE ENGINEERED PRODUCTS, INC.  
 POMPANO BEACH, FLORIDA

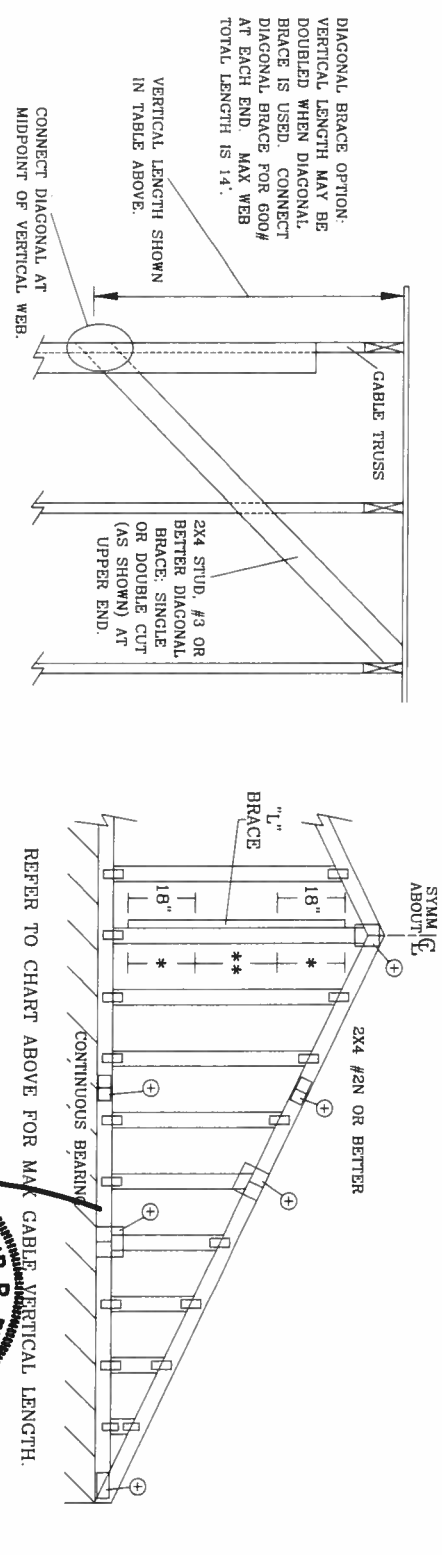
\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 DORR RD., SUITE 200, MADISON, WI, 53719 AND VITA (WOOD TRUSS COUNCIL) THESE FUNCTIONAL UNLESS SPECIFICALLY ADVISED OTHERWISE. REJECT ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*\*IMPORTANT\*\*\* FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONTRACTOR WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2017B16GA (W/H/S/K) ASTM A653 GRADE 40. THIS DESIGN IS INTENDED FOR USE ON TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, GUSSETED END PLATES TO EACH FACE OF TRUSS AND FOLLOWED BY (D) SHALL BE PER ANNEK A3 OF TPI 1-2002 STEEL DESIGN. THIS DESIGN IS THE PROPERTY OF ALPINE ENGINEERED PRODUCTS, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. THE PROFESSIONAL ENGINEERING RESPONSIBILITY STATELY FOR THE TRUSS COMPONENTS ACCEPTED BY THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSVI/PI 1 SEC. 2.



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRCIBSUB1103
BC LL	PSF	ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

MAX GABLE VERTICAL LENGTH		BRACE		NO BRACES		(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **															
GABLE VERTICAL SPACING	2X4 BRACE SPECIES	GRADE	NO BRACES	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B														
																12" O.C.	SPF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"
16" O.C.	SPF	#3	STUD	3' 9"	6' 0"	6' 0"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"														
																HF	STANDARD	3' 9"	6' 0"	6' 0"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	#2	4' 2"	6' 8"	6' 8"	7' 11"	9' 1"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"																
														DFL	#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"			
																											SPF	STANDARD	4' 0"
	HF	#1 / #2	4' 5"	7' 8"	7' 8"	9' 1"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																
														SP	#3	4' 4"	7' 4"	7' 4"	8' 4"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"			
																											DFL	STANDARD	4' 4"
	SPF	#1	4' 10"	7' 8"	7' 8"	8' 3"	9' 1"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"																
														HF	#2	4' 9"	7' 8"	7' 8"	8' 3"	9' 1"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"			
																											SP	#3	4' 9"
DFL	STANDARD	4' 5"	6' 5"	6' 5"	8' 6"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"																	
													SPF	#1 / #2	4' 11"	8' 5"	8' 5"	10' 0"	10' 3"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
																										HF	#3	4' 9"	8' 5"
SP	STANDARD	4' 9"	8' 5"	8' 5"	10' 0"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																	
													DFL	#1	4' 9"	8' 5"	8' 5"	10' 0"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
																										HF	#2	4' 9"	8' 5"
SP	#3	4' 9"	8' 5"	8' 5"	10' 0"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																	
													DFL	STANDARD	4' 11"	8' 5"	8' 5"	10' 0"	10' 3"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
																										SPF	#1 / #2	4' 9"	8' 5"
HF	#3	4' 9"	8' 5"	8' 5"	10' 0"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																	
													SP	STANDARD	4' 9"	8' 5"	8' 5"	10' 0"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
																										DFL	#1	4' 9"	8' 5"
HF	#2	4' 9"	8' 5"	8' 5"	10' 0"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																	
													SP	#3	4' 9"	8' 5"	8' 5"	10' 0"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
																										DFL	STANDARD	4' 11"	8' 5"



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

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

\* FOR (1) "L" BRACE: SPACE NAILS AT 2' 0" O.C. IN 18" END ZONES AND 4' 0" O.C. BETWEEN ZONES.

\*\* FOR (2) "L" BRACES: SPACE NAILS AT 3' 0" O.C. IN 18" END ZONES AND 6' 0" O.C. BETWEEN ZONES.

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

GABLE VERTICAL PLATE SIZES			
VERTICAL LENGTH	NO SPLICE	1X4 OR 2X3	2X4
LESS THAN 4' 0"			
GREATER THAN 4' 0" BUT LESS THAN 11' 6"			
GREATER THAN 11' 6"			2.5X4

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

ALPINE ENGINEERED PRODUCTS, INC.  
POMPAHO BEACH, FLORIDA

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\*\*\*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 THIS, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING. TRUSS DESIGNER'S LIABILITY IS LIMITED TO THE DESIGN AND CALCULATIONS PROVIDED BY ALPINE ENGINEERED PRODUCTS, INC. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING. TRUSS DESIGNER'S LIABILITY IS LIMITED TO THE DESIGN AND CALCULATIONS PROVIDED BY ALPINE ENGINEERED PRODUCTS, INC. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING. TRUSS DESIGNER'S LIABILITY IS LIMITED TO THE DESIGN AND CALCULATIONS PROVIDED BY ALPINE ENGINEERED PRODUCTS, INC.

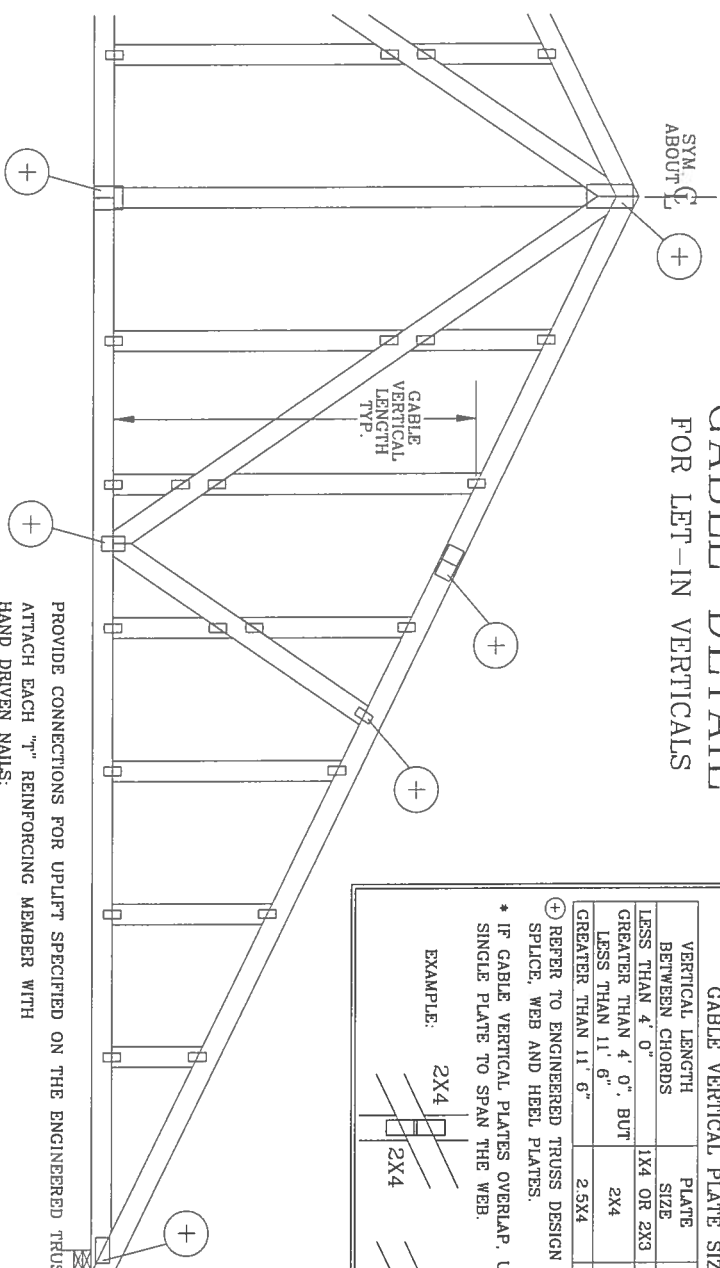
40/60 (W/K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND GABLE. USE 6063 GRADE. ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANNEX A3 OF TPI-1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

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

REF	ASCE7-02-CAB11015
DATE	04/15/05
DRWG	A11015EE0405
ENG	

MAX. TOT. LD.	60 PSF
MAX. SPACING	24.0"

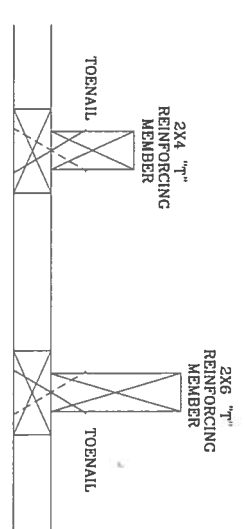
# GABLE DETAIL FOR LET-IN VERTICALS



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

+ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.  
\* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.  
EXAMPLE: 2X4 / 2X4 / 2X8

PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN. ATTACH EACH "T" REINFORCING MEMBER WITH HAND DRIVEN NAILS:  
(4) 10d COMMON (0.148" X 3.3" MIN) TOENAILS AT 4" O.C. PLUS  
(4) 16d COMMON (0.162" X 3.5" MIN) TOENAILS IN TOP AND BOTTOM CHORD.  
(4) TOENAILS IN TOP AND BOTTOM CHORD.  
THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.  
ASCE 7-98 GABLE DETAIL DRAWINGS  
A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103  
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103  
ASCE 7-98 GABLE DETAIL DRAWINGS  
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103  
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103  
ASCE 7-02 GABLE DETAIL DRAWINGS  
A13015ED0405, A12015ED0405, A11015ED0405, A10015ED0405, A08515ED0405, A13030ED0405, A12030ED0405, A11030ED0405, A10030ED0405, A08530ED0405  
SPE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.



TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.  
MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

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

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

ALPINE ENGINEERED PRODUCTS, INC.  
POMPANO BEACH, FLORIDA

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC311-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 583 DUNFORD DR., SUITE 200, HANDBORN, VA 53719, AND VTC-A WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, HANDBORN, VA 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\*\* FINISHED COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DESIGN, CONSTRUCTION, INSTALLING OR TO BUILD THE TRUSS IN CONFORMANCE WITH THE PERMITS OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES. DESIGN CONTRACTORS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY ACP&A AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1664 (A/H/S/K) ASTM A553 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 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE DESIGNER, PER ANS17/11 SEC. 2.

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

REPLACES DRAWINGS GAB98117 876.719 & HC26294035

REF	LET-IN VERT
DATE	04/14/05
DRWG	GBLETTIN0405
ENG	DLJ/KAR
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"