

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: ISU5487-Z0425111139

Truss Fabricator: Anderson Truss Company
Job Identification: 6-019-STANLEY CRAWFORD - DURKIN
Truss Count: 43
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.22.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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

Details: CNBRGBLK-BRCLBSUB-



Seal Date: 01/25/2006

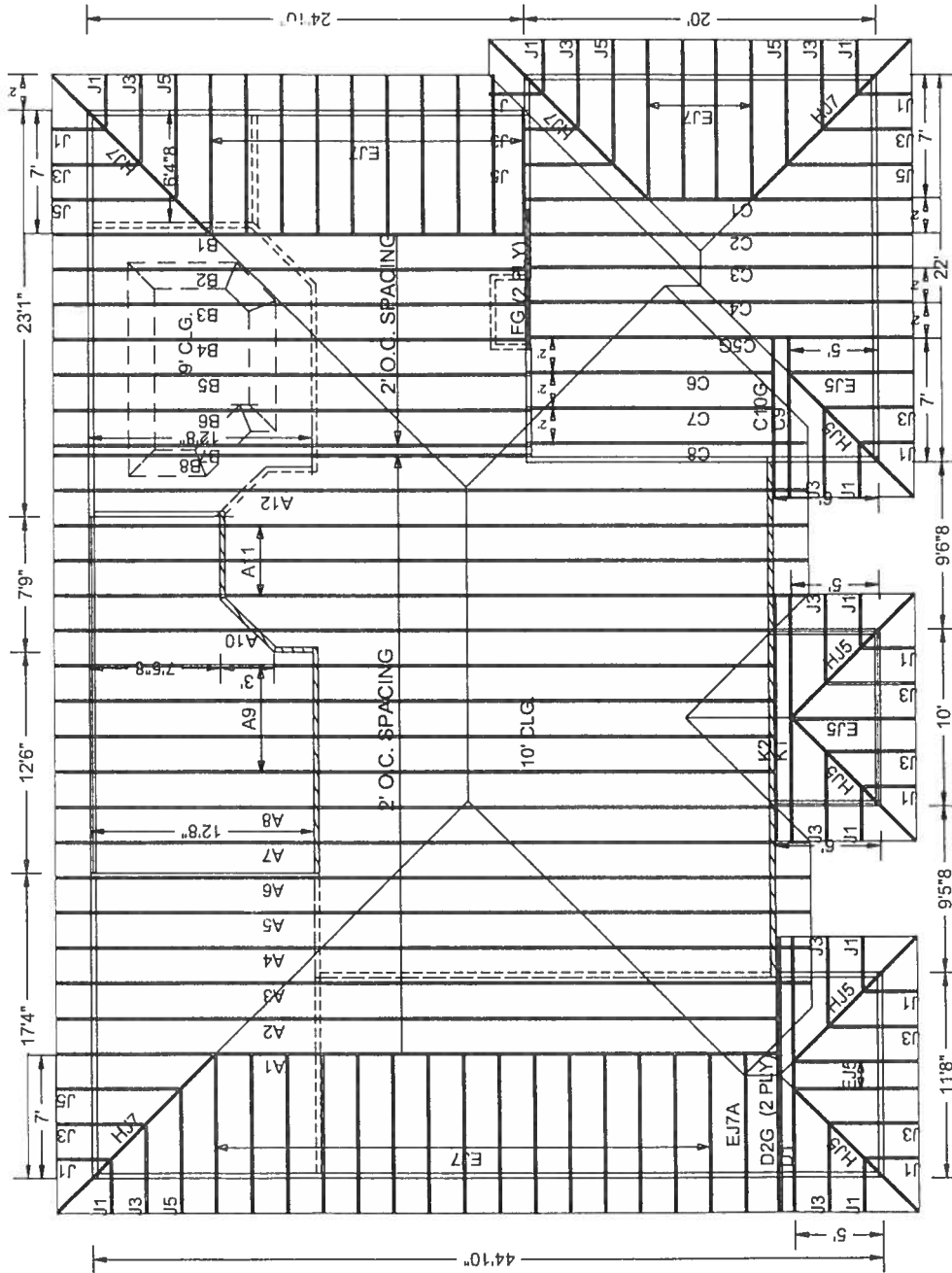
-Truss Design Engineer-
Arthur K. Fisher

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

#	Ref	Description	Drawing#	Date
1	36933--A1		06025021	01/25/06
2	36934--A2		06025022	01/25/06
3	36935--A3		06025023	01/25/06
4	36936--A4		06025012	01/25/06
5	36937--A5		06025013	01/25/06
6	36938--A6		06025024	01/25/06
7	36939--A7		06025025	01/25/06
8	36940--A8		06025026	01/25/06
9	36941--A9		06025027	01/25/06
10	36942--A10		06025028	01/25/06
11	36943--A11		06025052	01/25/06
12	36944--A12		06025029	01/25/06
13	36945--B1		06025030	01/25/06
14	36946--B2		06025031	01/25/06
15	36947--B3		06025032	01/25/06
16	36948--B4		06025033	01/25/06
17	36949--B5		06025014	01/25/06
18	36950--B6		06025015	01/25/06
19	36951--B7		06025016	01/25/06
20	36952--B8		06025017	01/25/06
21	36953--C1		06025034	01/25/06
22	36954--C2		06025035	01/25/06
23	36955--C3		06025036	01/25/06
24	36956--C4		06025037	01/25/06
25	36957--C5G		06025038	01/25/06
26	36958--C6		06025039	01/25/06
27	36959--C7		06025040	01/25/06
28	36960--C8		06025041	01/25/06
29	36961--C9		06025042	01/25/06
30	36962--C10G		06025043	01/25/06
31	36963--D1		06025044	01/25/06
32	36964--D2G		06025045	01/25/06
33	36965--FG		06025046	01/25/06
34	36966--HJ7		06024101	01/24/06
35	36967--EJ7		06025047	01/25/06
36	36968--EJ7A		06025018	01/25/06

#	Ref	Description	Drawing#	Date
37	36969--HJ5		06025048	01/25/06
38	36970--EJ5		06024102	01/24/06
39	36971--J5		06025049	01/25/06
40	36972--J3		06025019	01/25/06
41	36973--J1		06025050	01/25/06
42	36974--K1		06025051	01/25/06
43	36975--K2		06025020	01/25/06



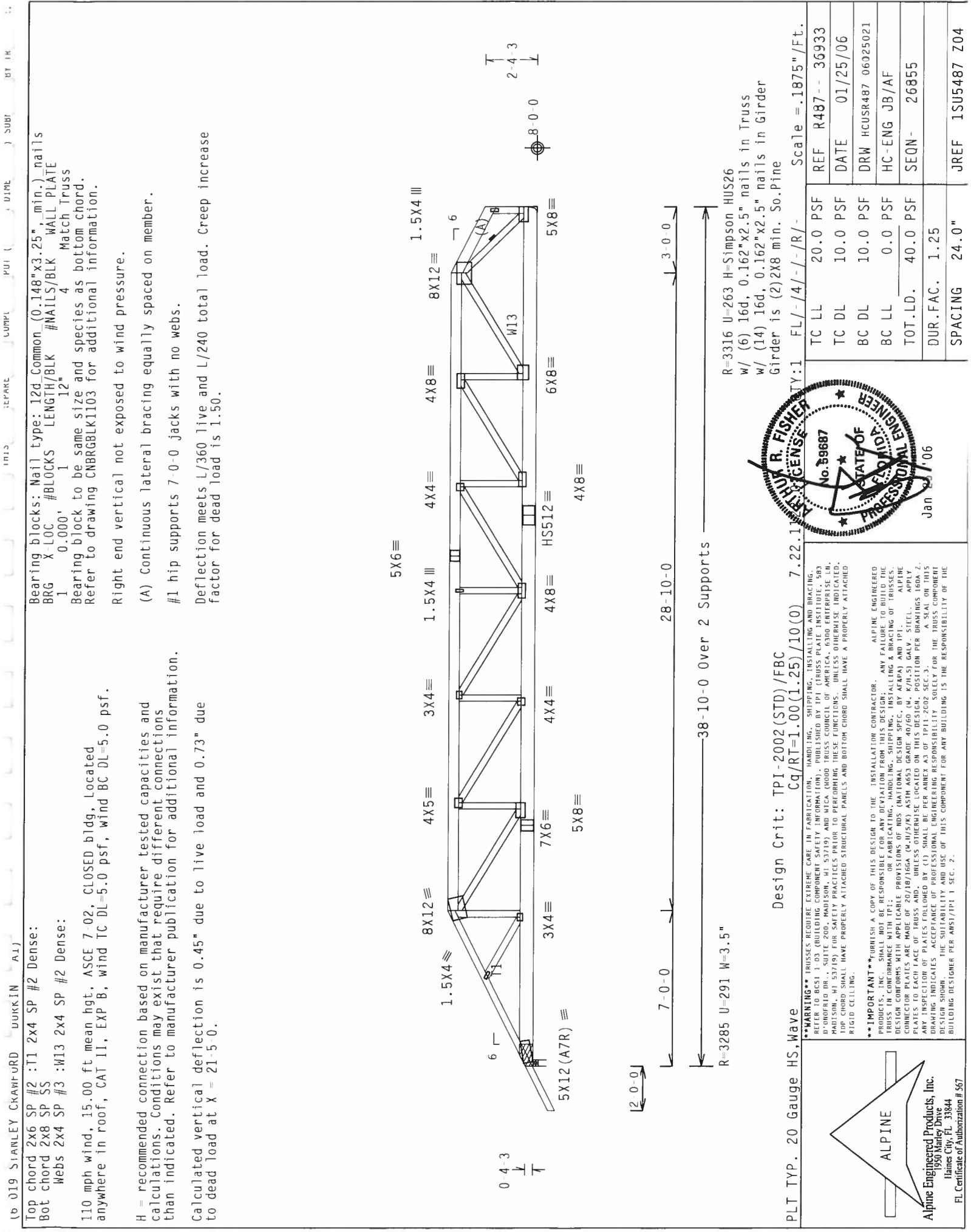


752-5152
623-7294 Matt Casen

1/24/06

#6-019 STANLEY CRAFTED - DURKIN

Scale: 3/32" = 1'



Bearing blocks: Nail type: 12d Common (0.148"x3.25", min.) nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
1 0.000' 1 12" 4 Match Truss
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGK1103 for additional information.
Right end vertical not exposed to wind pressure.
(A) Continuous lateral bracing equally spaced on member.
#1 hip supports 7'-0" jacks with no webs.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
Bot chord 2x8 SP SS
Webs 2x4 SP #3 :W13 2x4 SP #2 Dense:
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.
Calculated vertical deflection is 0.45" due to live load and 0.73" due to dead load at X = 21'-5.0.

R=3316 U=263 H=Simpson HUS26
w/ (6) 16d, 0.162"x2.5" nails in Truss
w/ (14) 16d, 0.162"x2.5" nails in Girder
Girder is (2)2X8 min. So.Pine
Scale = .1875"/Ft.

PLT TYP., 20 Gauge HS, Wave
Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/10(0) 7.22.11

PLT TYP., 20 Gauge HS, Wave
Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/10(0) 7.22.11

TC LL	20.0 PSF	REF	R487 --	36933
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUSR487	06025021
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	26855	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SU5487	Z04

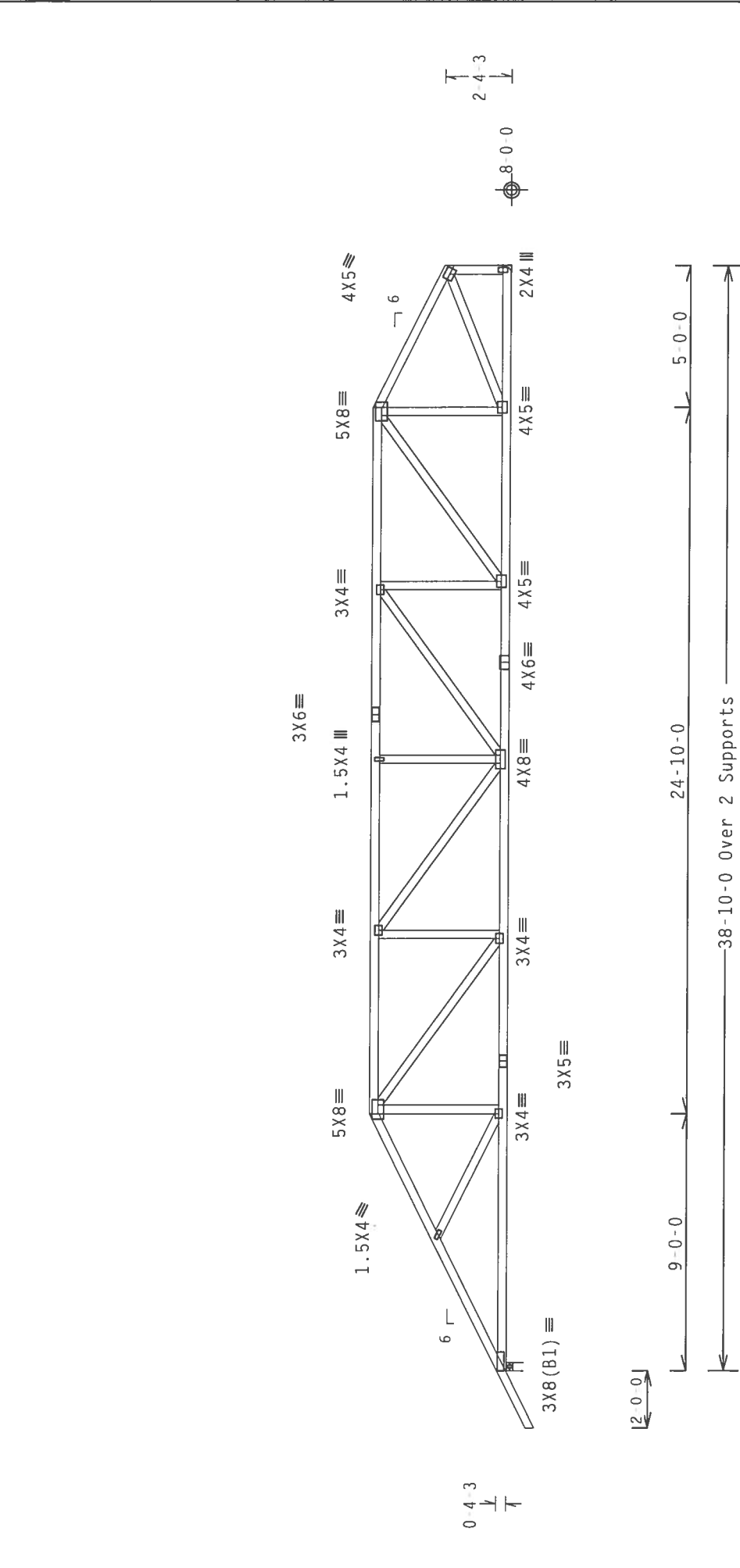
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1950 Marley Drive
Ilanes City, FL 33844
FL Certificate of Authorization # 567

Top chord	2x4	SP #2	Dense	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.
Bot chord	2x4	SP #2	Dense	
Webbs	2x4	SP #3		

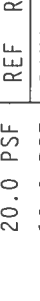
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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.



R=1743 U=180 W=3.5"



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

FL Certificate of Authorization # 367

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PAPER INSTITUTE, 583 D'AMORIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE, LRD, 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 TRUSSES IN CONFORMANCE WITH TPI, ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 201/18/16GA (21/18/16) ASTM A653 GRADE 40/60 (30 KSI / 42 KSI) GALV. STEEL. APPLY ANY INSPECTION OF PLATES SHALL BE LIMITED TO THE NUMBER 3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/ TPI 1 SEC. 2.

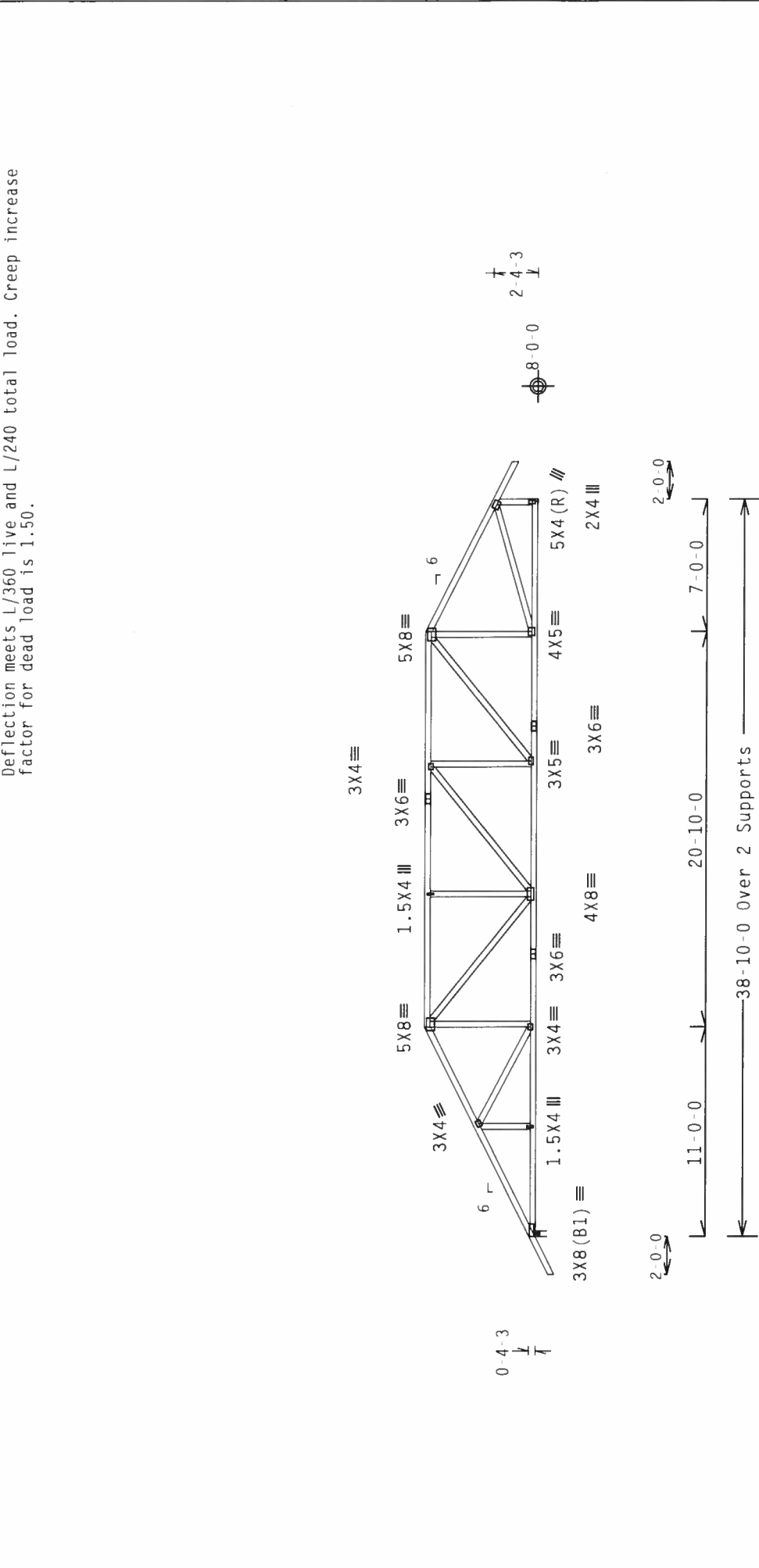
PROCESSED BY STATE OF FLORIDA

Professional Engineer
No. 59687
Jan 21 '06

REF	R487	36934	TC LL	20.0 PSF	Scale = .1875" / ft.
DATE	01/25/06		TC DL	10.0 PSF	
DRW	HCUSR487	06025022	BC DL	10.0 PSF	
	HC-ENG JB/AF		BC LL	0.0 PSF	
SEQN	26866		TOT. LD.	40.0 PSF	
			DUR. FAC.	1.25	
JREF	1SU5487	704	SPACING	24.0"	

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

Right end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

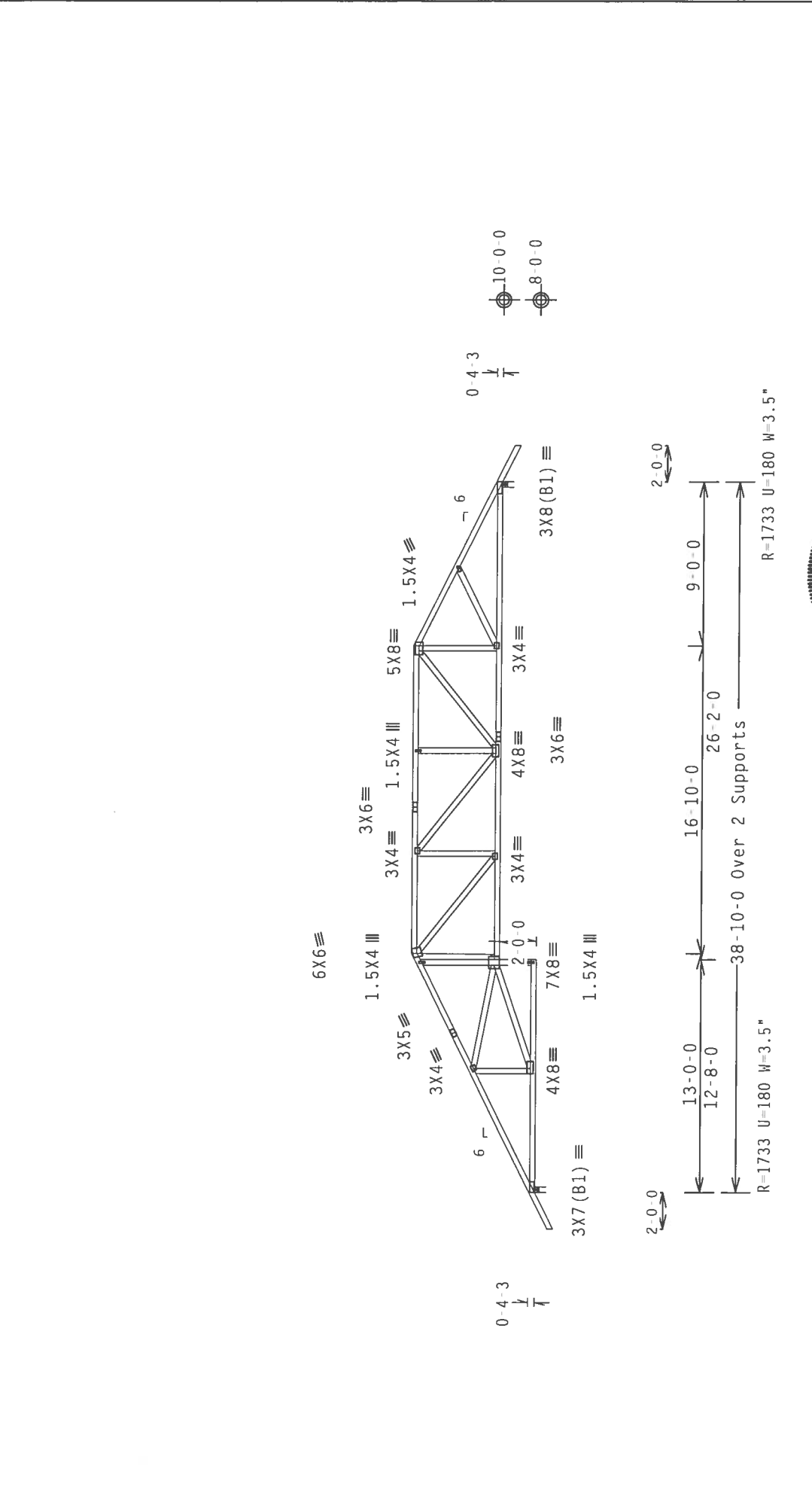


R=1739 U=180 W=3.5"
R=1726 U=180 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Design Crit: TPI-2002(STD)/FBC
TPI/R/EC

PLT TYP. Wave	Cq/RT=1.00(1.25)/10(0)		7.22.1	FL/-/4/-/R/- QTY:1	Scale =.125"/Ft.		
 Alpine Engineered Products, Inc. 1950 Marie Drive Haines City, FL 33844 PD Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, MI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. **IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: - OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. - DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND IPI. - CONNECTOR PLATES ARE MADE OF 20/18/16GA (W./H/S/K) ASTM A653 GRADE 40/60 (W. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS LGOA 2. - ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMCA A3 OF IPTI 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.			 STATE OF FLORIDA PROFESSIONAL ENGINEER No. 59887 J. B. Smith Jan 25 '06		TC LL 20.0 PSF	REF R487 - - 36935
		TC DL 10.0 PSF	DATE 01/25/06				
		BC DL 10.0 PSF	DRW HCUSR487 06025023				
		BC LL 0.0 PSF	HC-ENG JB/AF				
		TOT.LD. 40.0 PSF	SEQN- 26878				
		DUR.FAC. 1.25					
	SPACING 24.0"	JREF- 1SU5487_Z04					

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

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



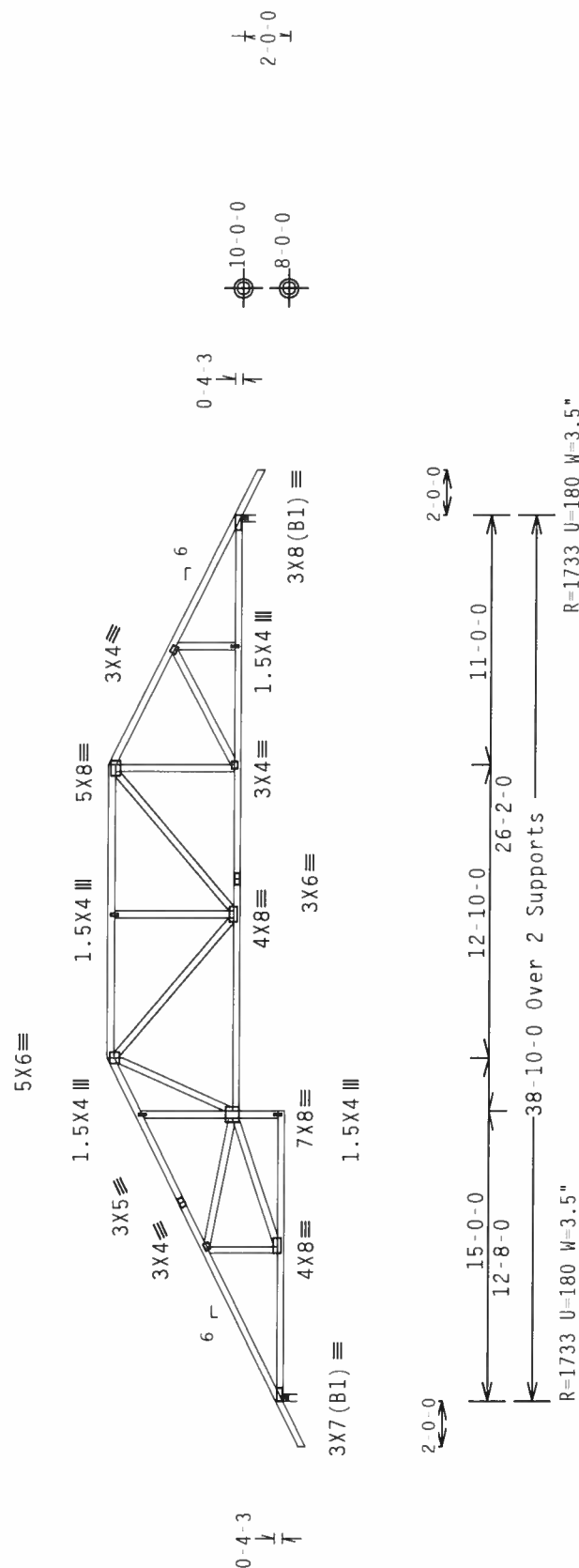
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7 22 100TV.1
R. FISHER
RINHEB
E1/1A/1-1/D/1
SCALE = 125"/FT+

Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCSI, ALCORUM'S SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 MADISON DR., SUITE 200, FARMINGTON, CT 06030-1500, OR TRUSS COUNCIL OF AMERICA, 6000 ENTERPRISE LN., MIDWORTH, MI 53179, FOR SAFETY PRACTICES PRIOR TO REPAIRS OR MODIFICATIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.						No. E9887 ★ / ★		REF R487 - 36936		Scale = .125 / FL.
							TC LL	20.0 PSF			
							TC DL	10.0 PSF			
							BC DL	10.0 PSF			
							BC LL	0.0 PSF			
							TOT. LD.	40.0 PSF			
							DUR. FAC.	1.25			
						SPACING	24.0"	JREF - 1SU5487	Z04		
IMPORTANT TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PROPERTY OR PERSONS FROM ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI. OR FABRICATING, HANDLING, SHIPPING, OR INSTALLING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC/AISI/AASHTO SPECIFICATION FOR STEEL FRAMED JOINTS. CONNECTOR PLATES ARE MADE OF 20/18/16GA (A-H/S/2) ASTM A653 GRADE 40/60 (IN 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 IP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2. STATE OF FLORIDA PROFESSIONAL ENGINEER Jan 21, 2006											

	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.

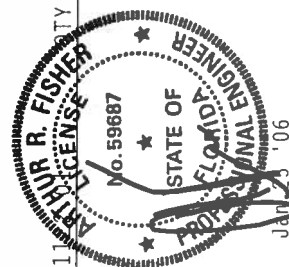
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

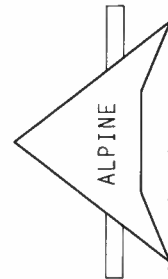
Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/
$$Ca/RT = 1.00(1.25)/10(0) \quad 7.22 \quad 11$$
$$12E''/E +$$

TC	LL	20.0	PSF	REF	R487--	36937
TC	DL	10.0	PSF	DATE	01/25/06	
BC	DL	10.0	PSF	DRW	HCUSR487	06025013
BC	LL	0.0	PSF	HC-ENG	JB/AF	*
TOT.	LD.	40.0	PSF	SEQN-	26907	
DUR.	FAC.	1.25				
SPACING	24.0"			JREF-	1SU5487	Z04



*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. SEE PAGE 1103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PACE INSTITUTE, 543 MADISON AVE., SUITE 100, CHICAGO, ILL. 60601) FOR THE TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, IL 62719. FOR TRUSS PROJECTS, PLEASE REFER TO THESE FUNCTIONS, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA) AND STEEL ALPINE APPLICATIONS MANUAL 2017/18/19 (AIA/NSD) ASTM A588 GRADE 40/50 (4. K/L/S) GALV STEEL PLATES TO EACH JOINT OF TRUSSES. THE DESIGN POSITION PER PERMANENT LOADS SHALL BE 72% OF THE TOTAL DESIGN LOAD. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED BY A LICENSED PROFESSIONAL ENGINEER. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSSES. DESIGN SHALL BE SUBMITTED TO THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



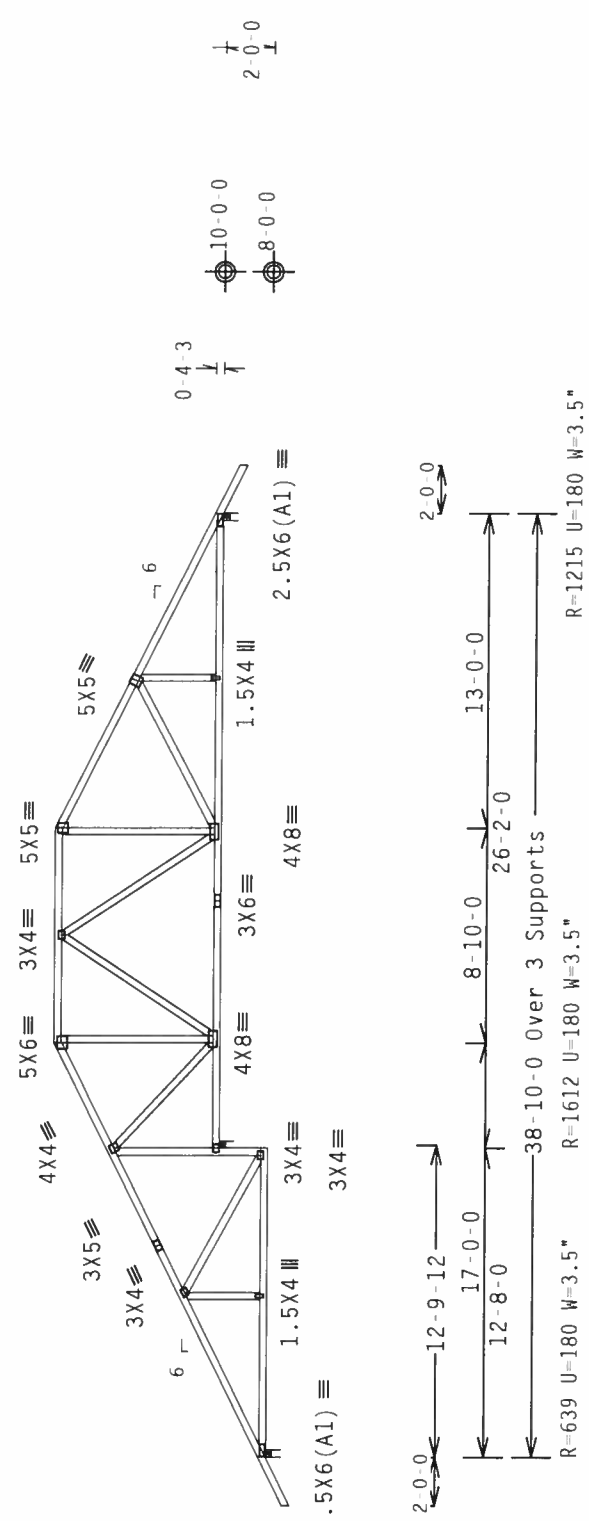
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

FL Certificate of Authorization # 567
Tallahassee, FL 32304

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) 7.22.1

Scale = .125" / Ft.

TC LL	20.0 PSF	REF	R487 - -	36938
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUSR487	06025024
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	26921	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SU5487	Z04

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER
No. 59887
STATE OF FLORIDA
Professional Engineer
Jan 25 '06

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTALLATION), 1000 O'DONOHIO DR., SUITE 200, MADISON, WI 53719, AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

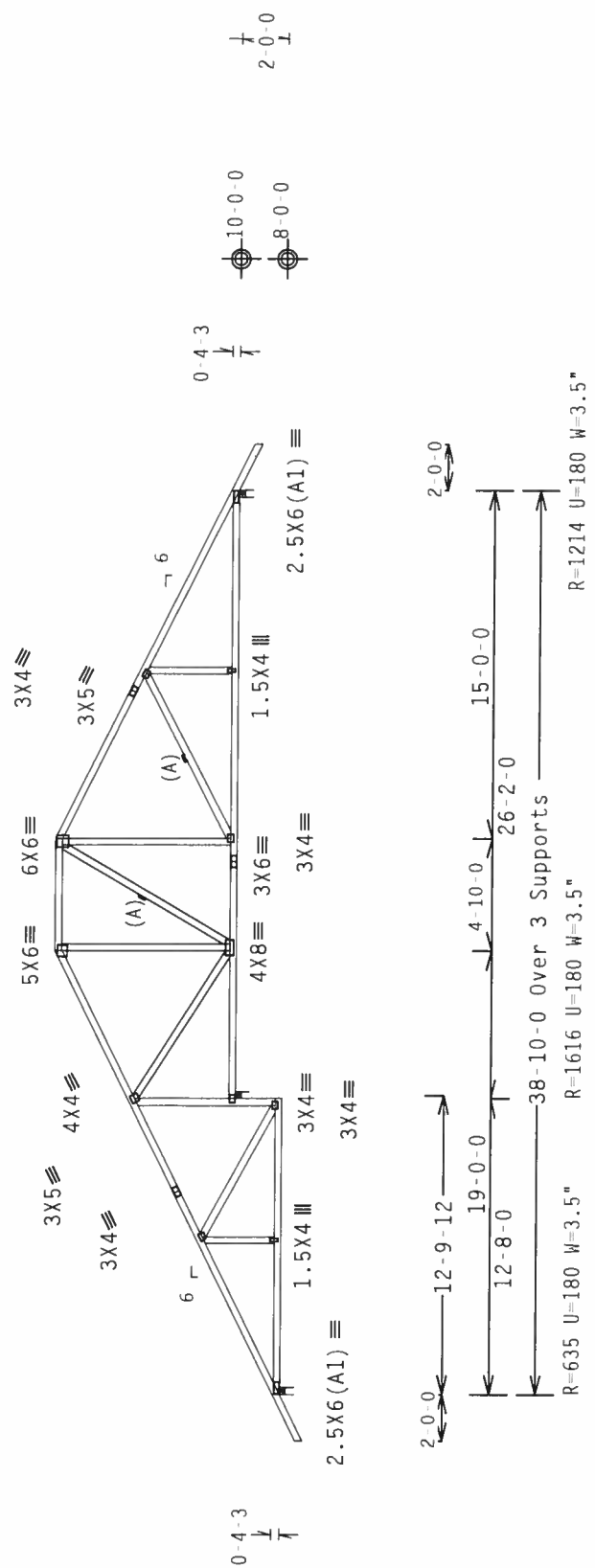
****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. APPLY PLATES TO EACH FACE OF TRUSS 2x4/10/10GA (4.41/5.78) ASTM A568 GRADE 40/60 (4. K/21.5) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AND (2) SHALL BE PERFORMED BY THE DESIGNER. DRIVING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS. THIS BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.22.1

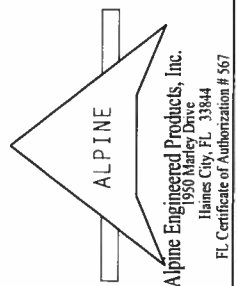
FL / - / 4 / - / R / -

Scale = .125" / Ft.

TC LL	20.0	PSF	REF	R487 -	36939
TC DL	10.0	PSF	DATE	01/25/06	
BC DL	10.0	PSF	DRW	HCUSR487	06025025
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN -	26937	
DUR.FAC.	1.25				
SPACING	24.0"		JREF	1SU5487	Z04



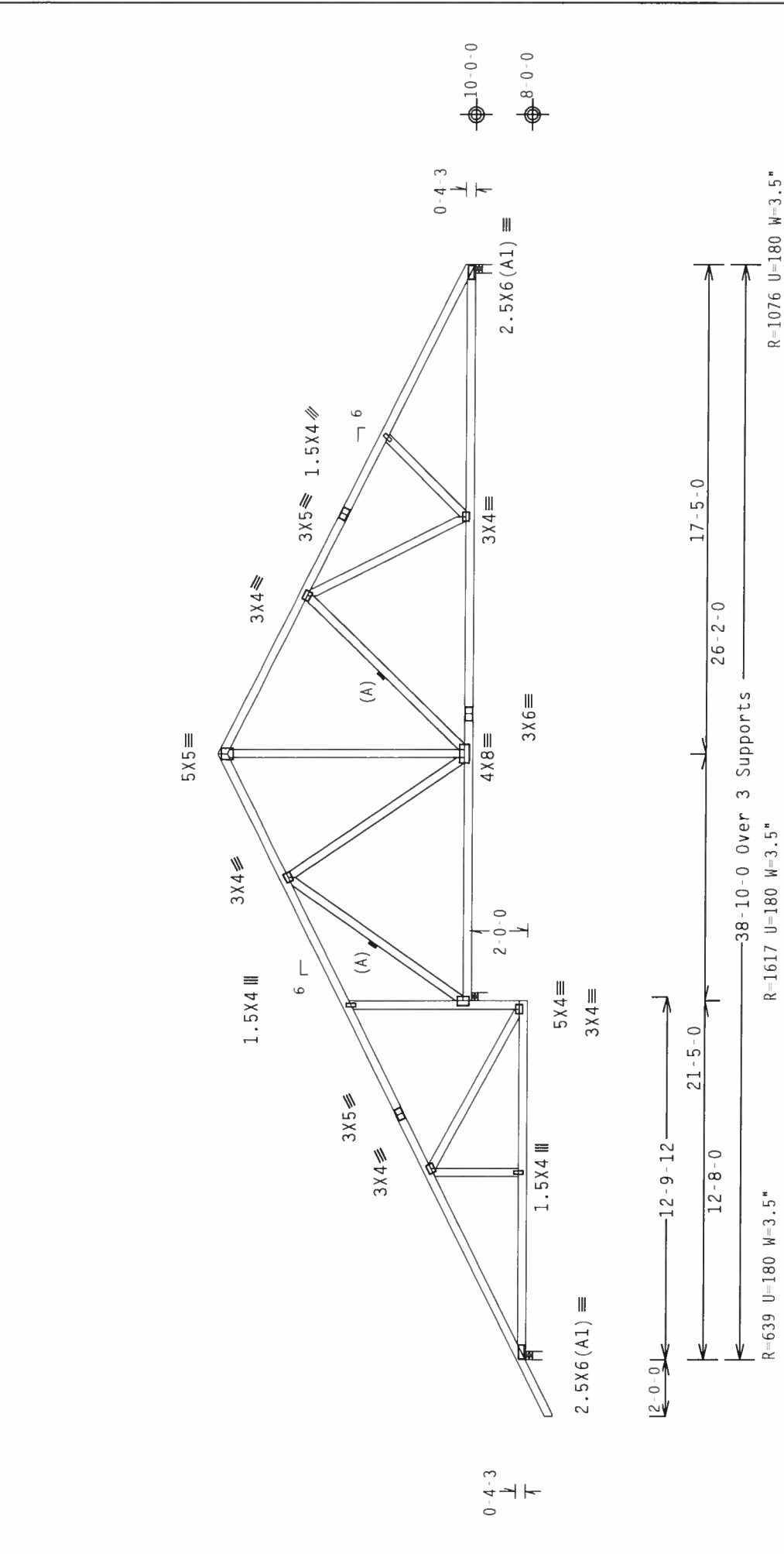
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, MARKING, SHIPPING, UNLOADING AND BRACING. REFER TO BCS 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS-PALE SYSTEMS, 503 D'AMICO RD., SUITE 100, MADISON, WI 53719, AND NCTA (NATIONAL TRUSS COUNCIL OF AMERICA, 6700 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO APPLYING THESE DIRECTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD CEILING.

[illegible]

Top chord	2x4	SP #2	Dense	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.
Bot chord	2x4	SP #2	Dense	
Webbs	2x4	SP #3		

Top chord	2x4	SP #2	Dense	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.
Bot chord	2x4	SP #2	Dense	
Webbs	2x4	SP #3		

(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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.22.12 LICENSE PROPERTY: 4 FL/-4/-/-R/ Scale =.1875"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RETURN TO RCS 103 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 N. 59887 TC LL 20.0 PSF REF R487 - 36941

[illegible]

THESE TEST SPECIFICATIONS, DRAWINGS, TABLES AND BOTTOM BOARD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

DATE	05/01/00
BY	DBW
CHKD BY	RC
APP'D BY	RC
DATE	05/01/00

****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

[illegible]

CONCRETE PLATES ARE MADE OF 207/18/106GA (0-11/5/3) ASTM A563 GRADE 40/60 (4-
PLATES TO EACH FACE OF THRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN,
POSITION PER DRAWINGS 160A Z.

TOT.LD. 40.0 PSF SEQN- 26956

Alpine Engineered Products, Inc.
1950 Marley Drive
Durham, N.C. 27704
1.25
DUR.FAC.
06
Jan 27

THIS DOCUMENT FOR AIR BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/ISO 1 SEC. 2.

FL Certificate of Authorization # 567	Haines City, FL 33844
JREF-1SU5487 Z04	SPACING 24.0"

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

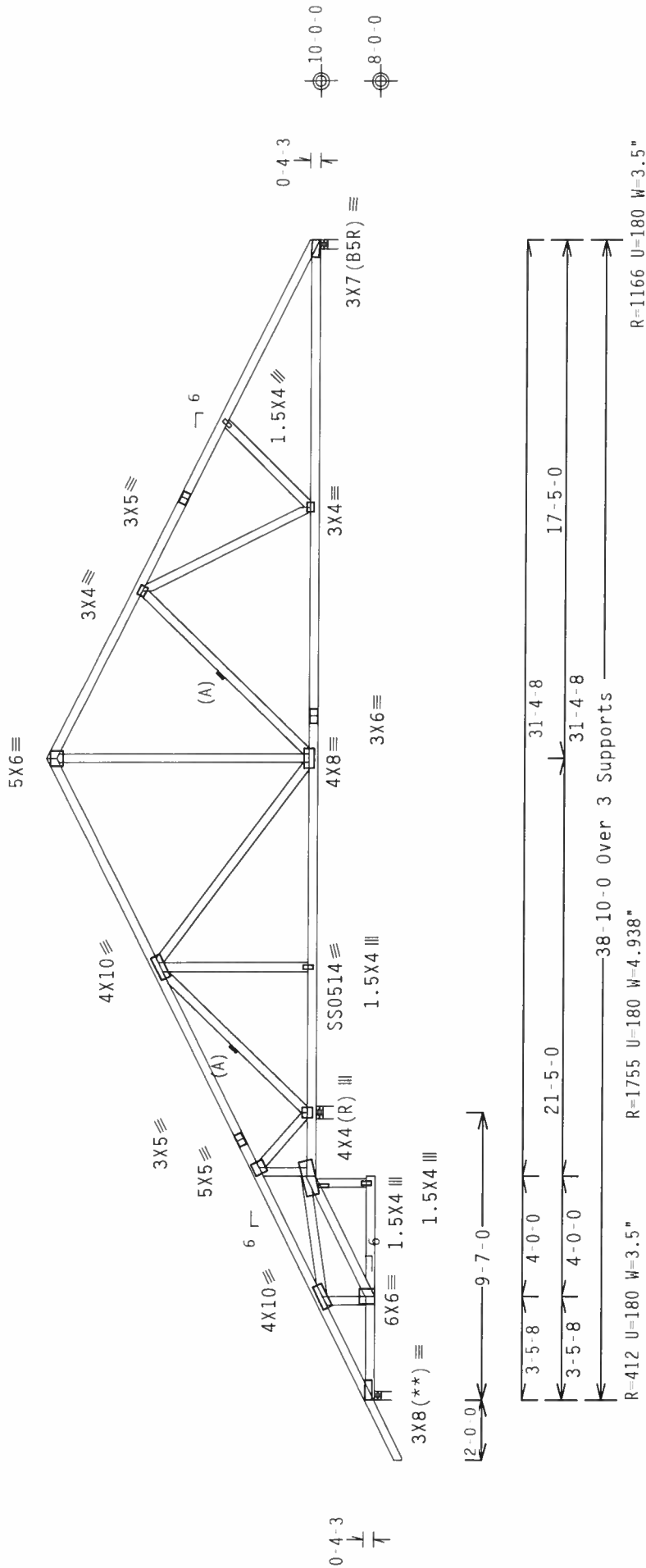
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(**) Plate relocated as shown.

(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.

SEE DWGS TC-FILLER1103 AND BC-FILLER1103 FOR FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C. AND TOP CHORD UNDER FILLER AT 24" O.C. INCLUDING A LATERAL BRACE AT CHORD ENDS.

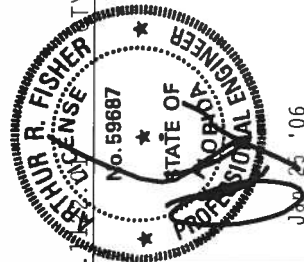


Design Crit: TPI-2002(STD)/FBC

PLT TYP. 18 Gauge HS, Wave

Cq/RT=1.00(1.25)/10(0) 7.22

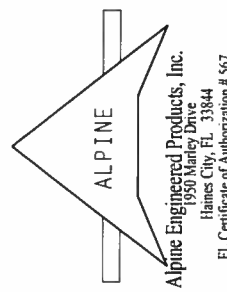
Scale = .1875"/Ft.



WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSSES IN CONFORMANCE WITH TPI (TRUSS PLATE INSTITUTE, 593 DUNDORF DR., SUITE 100, WESTPORT, MA 01886) OR AMERICAN ROOFING ENTERPRISE INC., MADISON, VT 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (40/60) ASTM A553 GRAD 40/60 (4. K/H.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 ANNEX A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DESIGN SHOWS THE QUALITY AND USE OF THIS COMPONENT FOR THE TRUSS COMPONENT. THE SEAL IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R487 -	36942
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUSR487	06025028
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	78749	REV
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SU5487	Z04

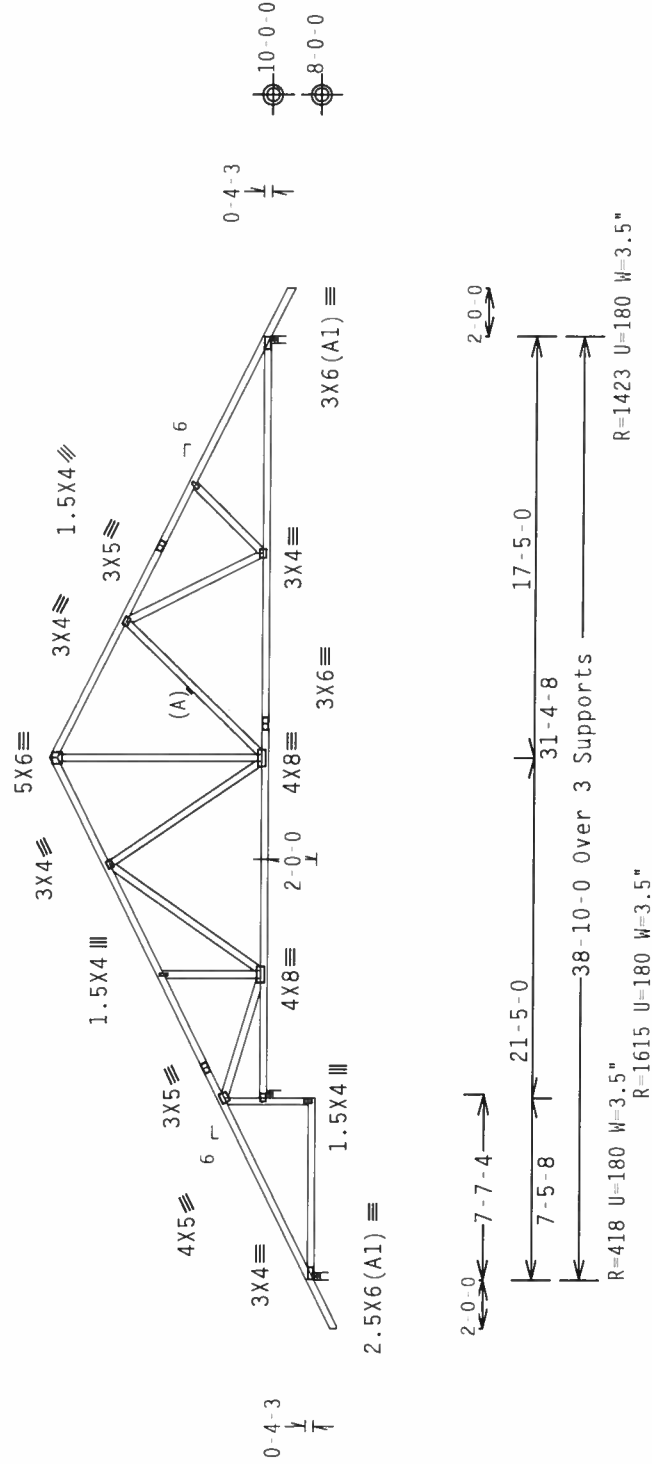


Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

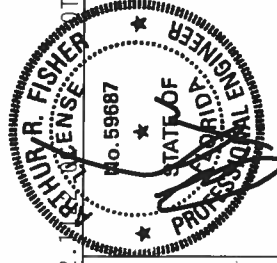
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.22

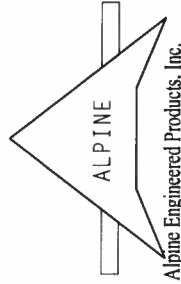
Scale = .125"/Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSSES, INC., 10000 W. 10TH AVE., SUITE 200, MADISON, WI 53719, AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. CONNECTION PLATES ARE MADE OF 2018/16GA (4-H/57K) ASTM A653 GRADE 40/60 (4, K/M, S) GALV. STEEL. APPLY TO ALL PLATES FOLLOWING. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWING. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

PLT TYP. Wave



FL Certificate of Authorization # 567

TC LL	20.0 PSF	REF	R487 - -	36943
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUSR487	06025052
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	26986	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SU5487	Z04

(b) 019 SIANLEY CRAWFORD DURKIN ALZ
 Top chord 2x4 SP #2 Dense
 Bot chord 2x4 SP #2 Dense
 Webs 2x4 SP #3
 Filler 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.

Calculated horizontal deflection is 0.15" due to live load and 0.23" due
 to dead load.

(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.

SEE DWGS TCFILLER1103 AND BCFILLER1103 FOR FILLER DETAILS.
 Laterally brace bottom chord above filler at 24" O.C. AND TOP
 CHORD UNDER FILLER AT 24" OC INCLUDING A LATERAL BRACE AT
 CHORD ENDS.

Design Crit: TPI-2002(STD)/FBC
 $C_q/RT=1.00(1.25)/10(0) \quad 7.22$

R=1733 U=180 W=3.5"

R=1733 U=180 W=3.5"

PLT TYP. 18 Gauge HS.Wave

Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R487--	36944
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUSR487	06025029
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	78783	REV
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SU5487	Z04

ALPINE
 Alpine Engineered Products, Inc.
 1950 Marley Drive
 Haines City, FL 33844
 FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS 1.03 (BUILDING COMPONENT SAFETY) FOR TPI (TRUSS PLATE INSTITUTE), 503 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND MECA (WOOD TRUSS CONNECT), 101 ALPINE MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

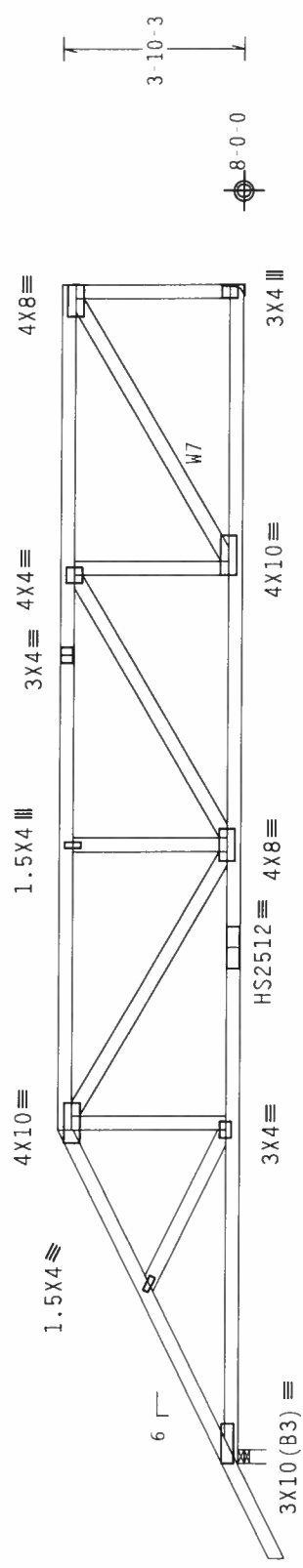
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/5X3) ASTM A653 GRADE 40/60 (4, 6/16-5) GALV. STEEL. APPLY ANY INSPECTION OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. ANY INSPECTION OF TRUSSES SHALL BE PERFORMED AS OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC 2

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

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

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

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



2'-0" x 0'-0"

7'-0"

17'-10"

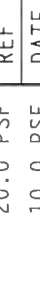
24'-10" over 2 Supports

R-2080 U=195 W=3.5"

R-2142 U=180 H=Simpson HUS26

PLT TYP. 20 Gauge HS,Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)
7.22.12

Order is (1)2X6 min. So,Pine
FL/-4/-/R/
Scale =.25"/Ft.



ALPINE
Engineered Products, Inc.
1950 Mayfield Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION) AND RC51 1.04 (TRUSS PLATE) INSTITUTE, 983 D'AMORIO DR., SUITE 200, MAISON, WI 53129, AND WEA (WOOD TRUSS COUNCIL OF AMERICA), 100 W. WASHINGTON, MI 48137, 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 TRUSSES IN CONFORMANCE WITH THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA) AND IPT1. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W-I/I/S/E/K) ASTM A653 GRADE 40/60 (M, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T60A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IPT1 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/IPT1 1 SEC. 7.



Ja '06

REF	R487 --	36945	TC LL	20.0	PSF
DATE	01/25/06		TC DL	10.0	PSF
DRW	HCU5R487	06025030	BC DL	10.0	PSF
HC-ENG	J8/AF		BC LL	0.0	PSF
SEQN	26760		TOT.LD.	40.0	PSF
			DUR.FAC.	1.25	
JREF	1SU5487_Z04		SPACING	24.0"	

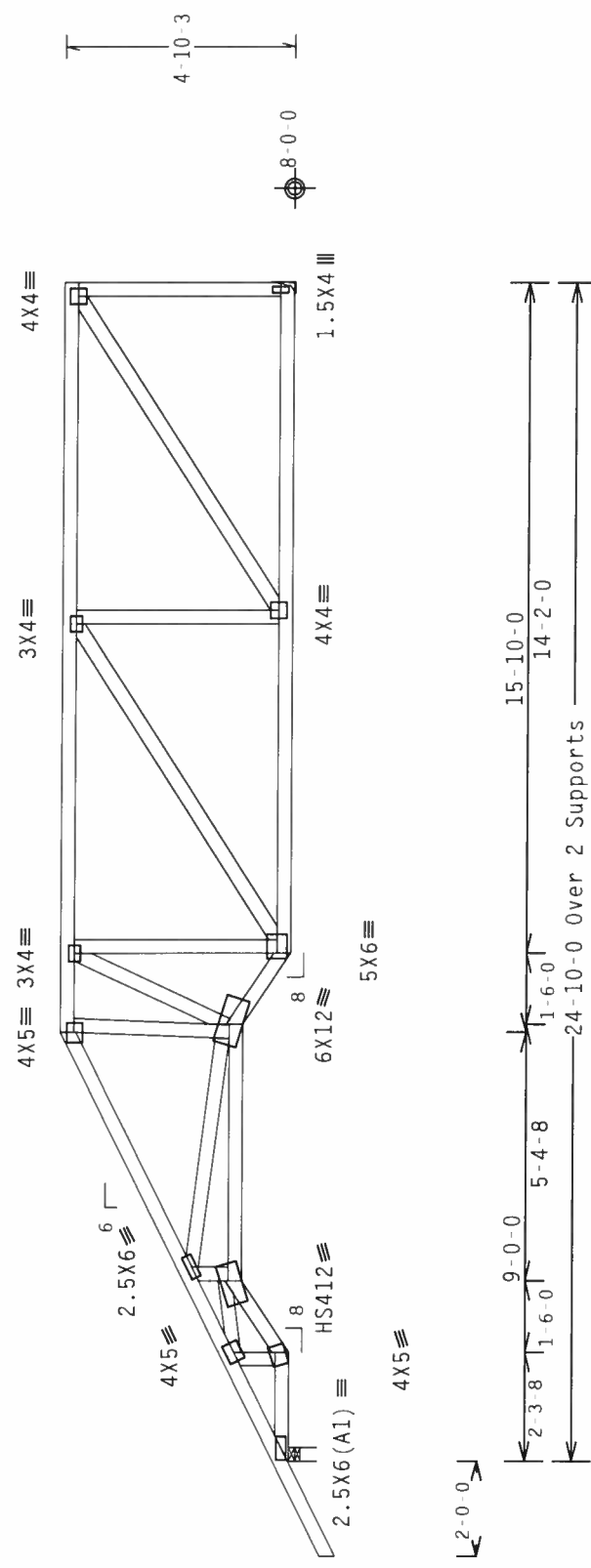
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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

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.



R=1014 U=180 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Order is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.10

Scale = .25"/Ft.

PLT TYP. 20 Gauge HS.Wave	TC LL 20.0 PSF	REF R487 - 36946
	TC DL 10.0 PSF	DATE 01/25/06
	BC DL 10.0 PSF	DRW HCUSR487 06025031
	BC LL 0.0 PSF	HC-ENG JB/AF
	TOT.LD. 40.0 PSF	SEQN- 26768
	DUR.FAC. 1.25	
	SPACING 24.0"	JREF- 1SU5487_Z04

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

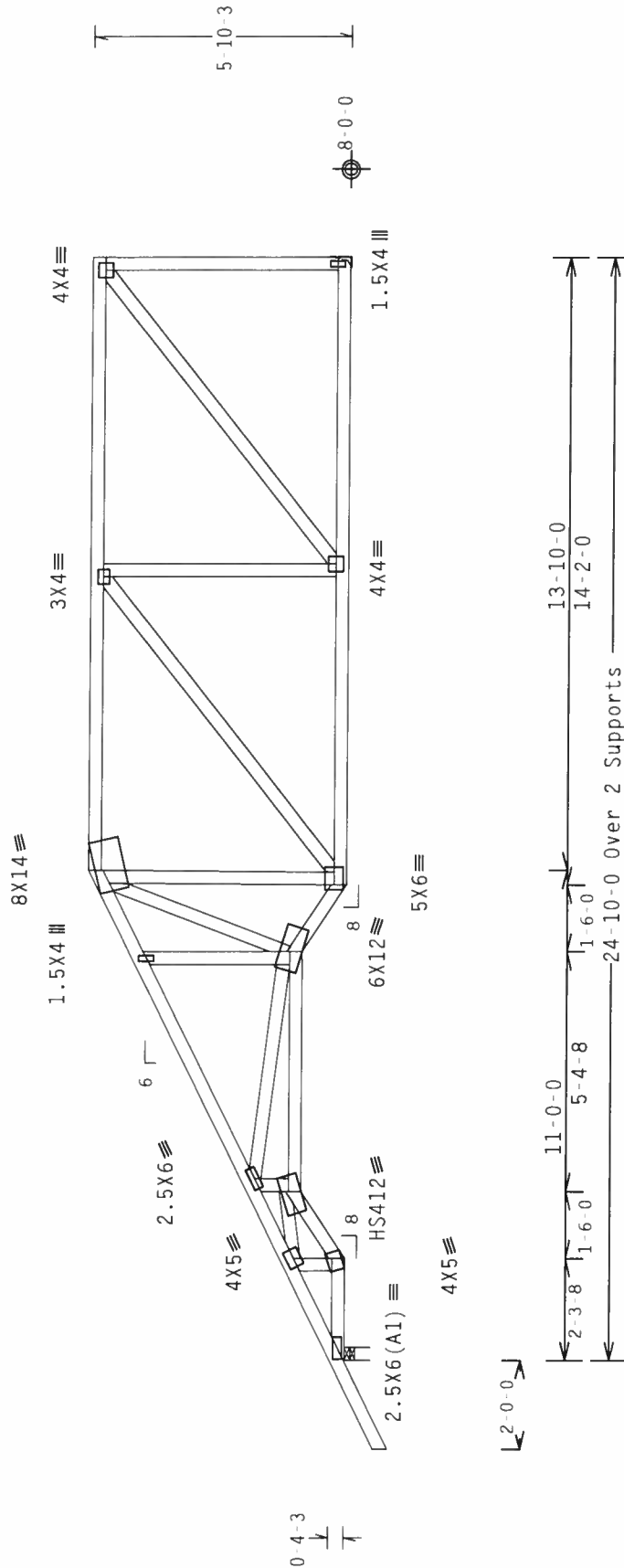
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

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.

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

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.

 $R=1178 \quad U=180 \quad W=3.5''$

R-1014 U-180 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0"
w/ (4) 10d Common, 0.148"x3.0"
Sinker is (1)2X6 min. So.Pim

PLT TYP. 20 Gauge HS.Wave

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

7 22 13

Scale = .25"/Ft.

ALPINE

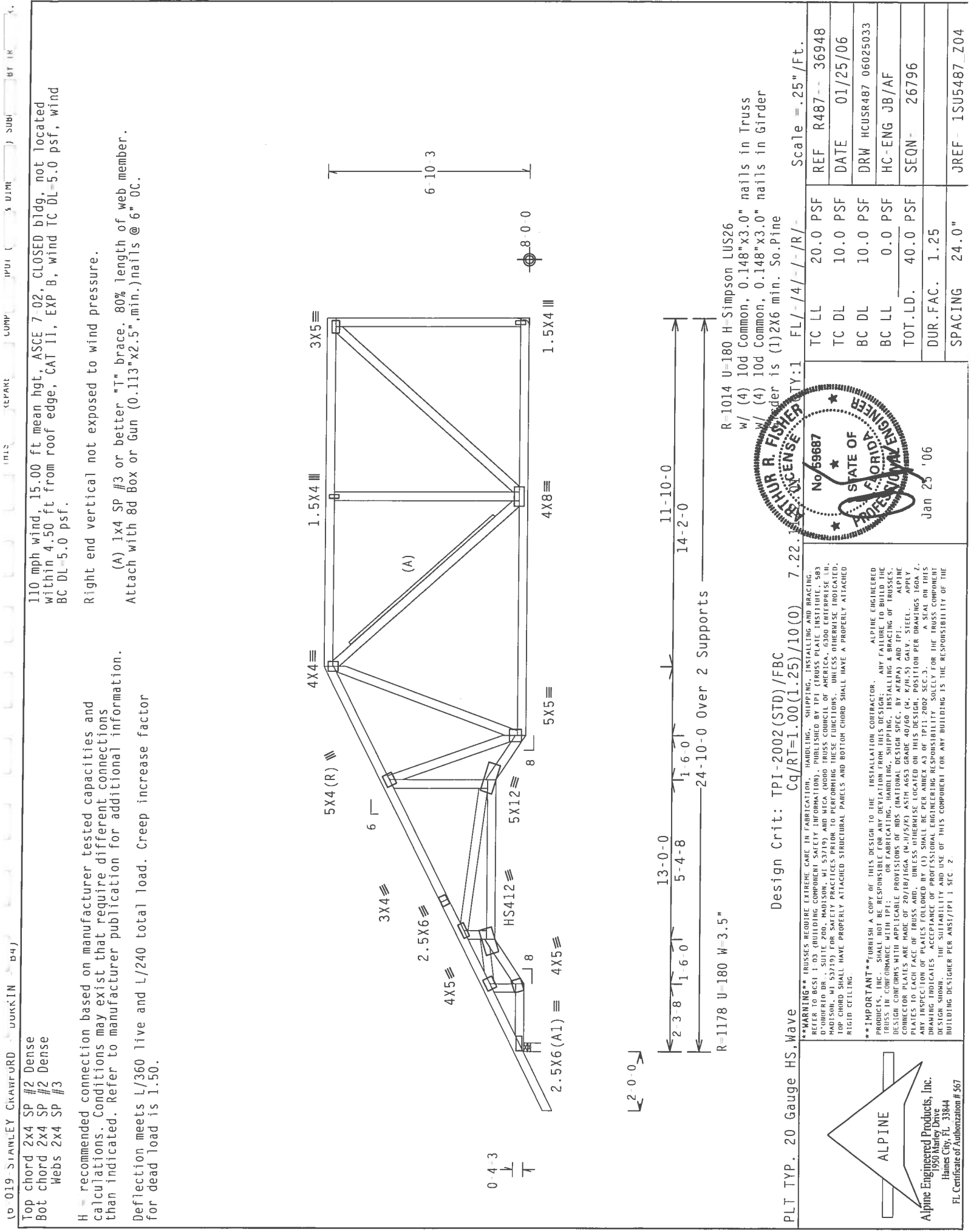
Alpine Engineered Products, Inc.
 1950 Nancy Drive
 Haines City, FL 33844

FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REPEATEDLY (1) (PONDING COMPONENTS), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 MADISON RD., SUITE 200, CHICAGO, ILL. 60609. (2) (SAFETY PRACTICES), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 MADISON RD., SUITE 200, CHICAGO, ILL. 60609. (3) (SAFETY PRACTICES), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 MADISON RD., SUITE 200, CHICAGO, ILL. 60609. 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 REVEALATION FROM THIS DESIGN. THE USER OF THIS DESIGN SHALL BE RESPONSIBLE FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN CONFORMANCE WITH TPI: DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) CONNECTOR PLATES ARE MADE OF 20/30/16GA (M/H/SIN) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE SPECIFIED IN THIS DESIGN, POSITION PER DRAWINGS 1600A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE 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.

TC LL	20.0	PSF	REF R487 --	36947	STATE - .23 / FL.
TC DL	10.0	PSF	DATE	01/25/06	
BC DL	10.0	PSF	DRW HCUSR487	06025032	
BC LL	0.0	PSF	HC-ENG JB/AF		
TOT.L.D.	40.0	PSF	SEQN-	26786	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SU5487 Z04	



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 8, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

Right end vertical not exposed to wind pressure.

(A) 1x4 SP #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

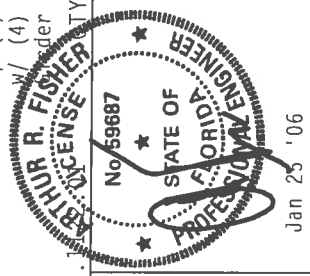
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

R-1014 U=180 H-Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

TC LL	20.0 PSF	REF	R487--	36948
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUSR487	06025033
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	26796	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SU5487	Z04



****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1.03 (BUILDING COMPONENT SAFETY INFORMATION), THE ALPINE TRUSS COMPANY, INC. (ALPINE TRUSSES), 1000 MADISON DR., SUITE 200, MADISON, WI 53719, AND NECA/NIBCO TRUSS COUNCIL OF AMERICA, 1000 MADISON DR., SUITE 200, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

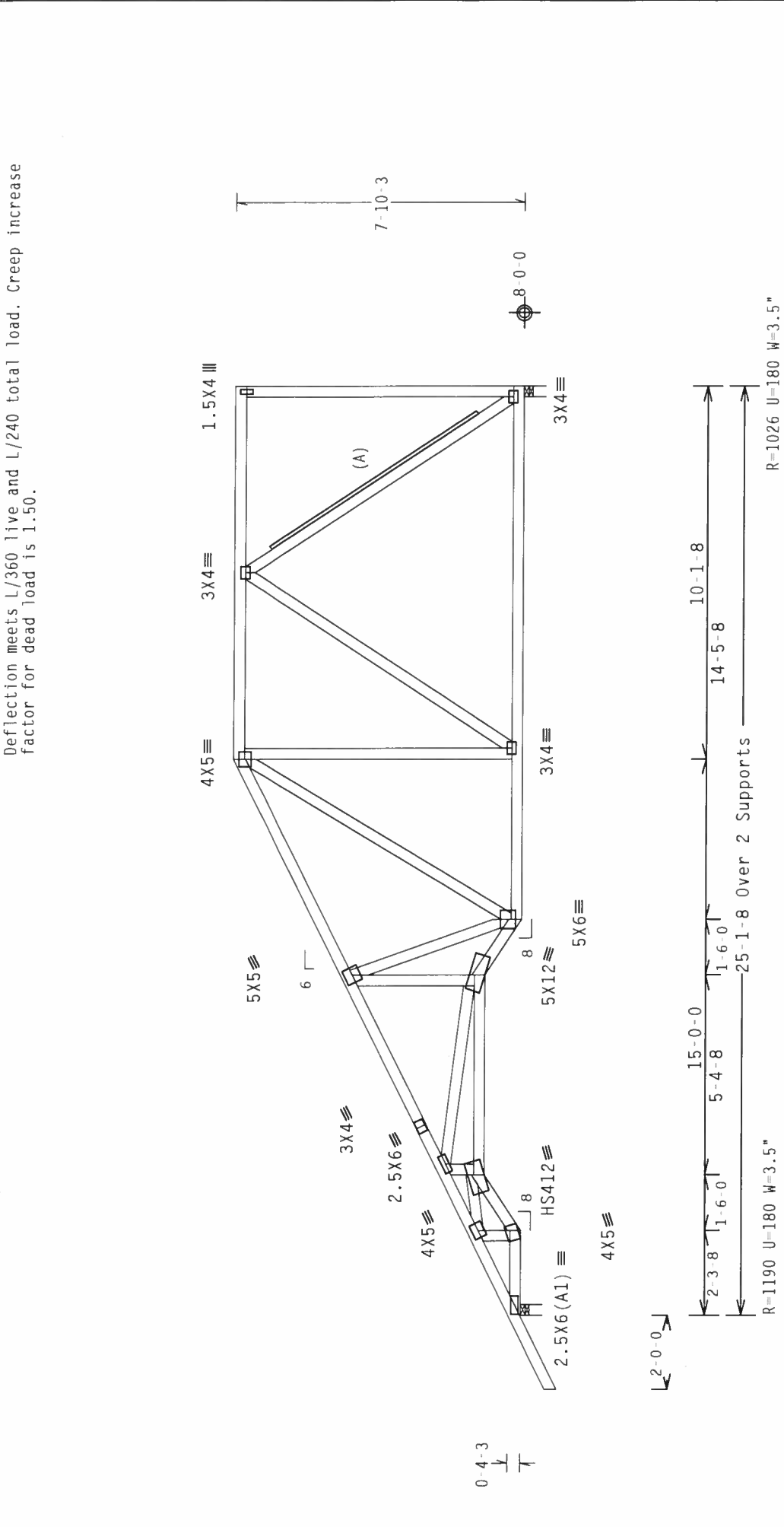
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-11/16") ASTH A653 GRADE 40/60 (4, 6, 8, 10) GALV. STEEL. APPLY ANY INSPECTION OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER RESPONSIBILITY AS OF 1/21/2002 SEC.3. A SEAL ON THIS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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) 1x4 SP #3 or better "J" brace. 80% length of web member. Attach with 8d Box or Gum (0.113"x2.5",min.)nails @ 6" OC.



Design Crit: TPI-2002 (STD)/FBC

Cq/RT=1.00(1.25)/10(0)	7.22.18	TY:1	FL/-4/-R/ Scale = .25"/Ft.
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[illegible]

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

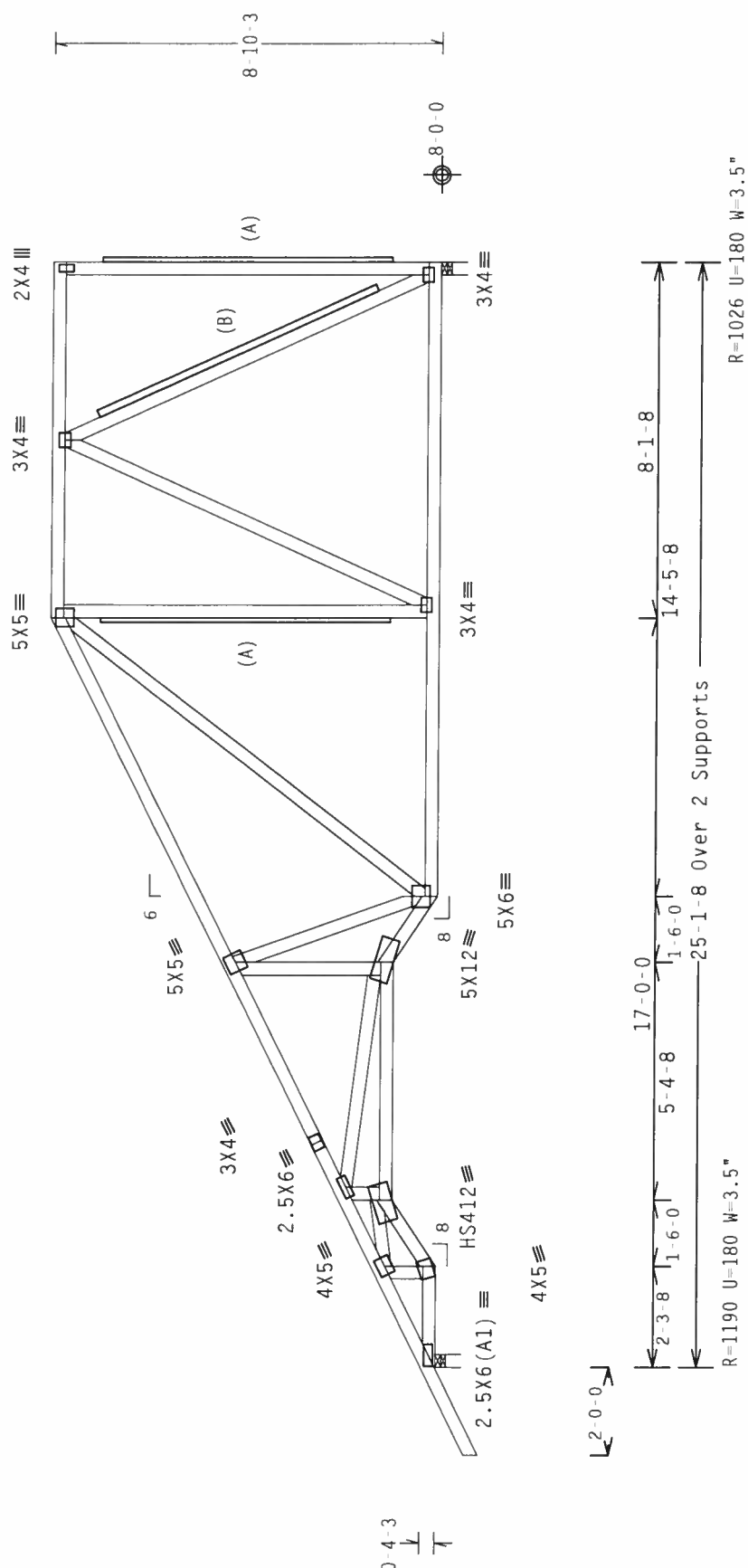
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located
 within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
 BC DL=5.0 psf.

1110 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) 1x4 SP #3 or better " " brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5" min.) nails @ 6" OC

(B) 2x4 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.) nails @ 6" OC.

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

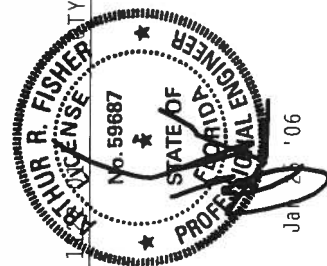


PLT TYP. 20 Gauge HS, Wave

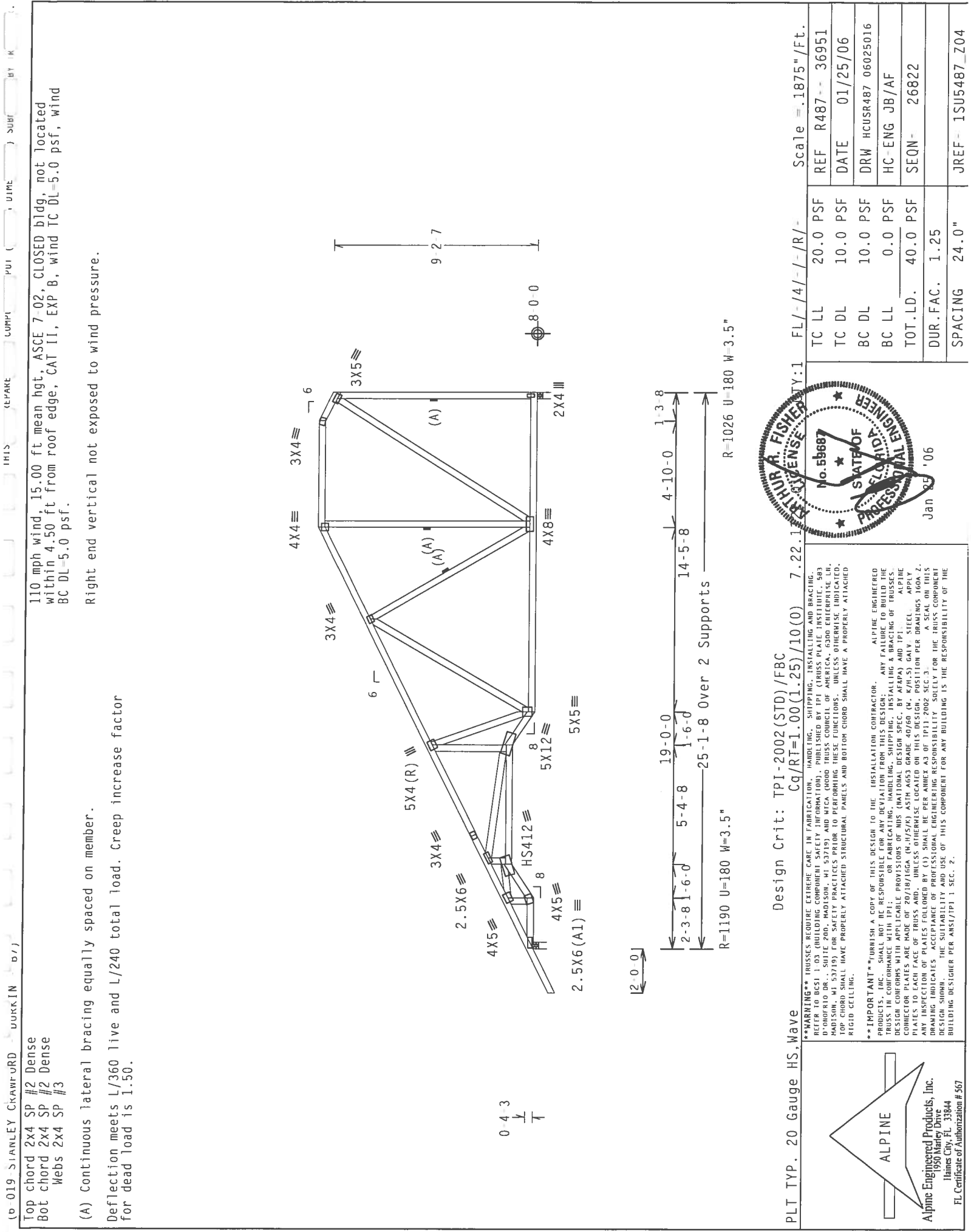
11/18/58
SHER
TY:1 FL/-4/-/-R/- Scale = .25"/Ft.

WARNING: THUSSE'S EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), ISSUED BY FPI (FIBREGLASS PANEL INSTITUTE), 383 D'ORFIO DR., SUITE 200, MADISON, WI 53719, AND VICA (VIBRO-CEMENT ASSOCIATION), 6050 ENTERPRISE LN., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. FIBREGLASS PANELS INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD CEILING.

*****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE IBC AND/OR ASCE 7-05, AND PERMITS AND SPECIFICATIONS TO EACH FACE OF TRUSS AND/or UNDERLIE LOCATED ON THIS DESIGN. POSITION PER DRAWING 1604-2. CONNECTOR PLATES ARE MADE OF 2018/TIGER (W-W)/ECC ASTM A663 GRADE 40/663. MAXIMUM ALLOWABLE STRESS PER PLATES TO EACH FACE OF TRUSS AND/OR UNDERLIE LOCATED ON THIS DESIGN. POSITION PER DRAWING 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



TC LL	20.0	PSF	REF	R487--	36950
TC DL	10.0	PSF	DATE	01/25/06	
BC DL	10.0	PSF	DRW	HCU8R487	06025015
BC LL	0.0	PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0	PSF	SEQN-	26815	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SU5487	_Z04



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

Right end vertical not exposed to wind pressure.

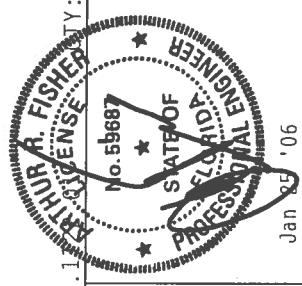
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/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)	7.22.1	FL/-/4/-/R/-	Scale = .1875"/Ft.
Top chord 2x4 SP #2 Dense		TC LL 20.0 PSF				
Bot chord 2x4 SP #2 Dense		TC DL 10.0 PSF				
Webs 2x4 SP #3		BC DL 10.0 PSF				
		BC LL 0.0 PSF				
		TOT.LD. 40.0 PSF				
		DUR.FAC. 1.25				
		SPACING 24.0"				

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (N-17/5X) ASTM A653 GRADE 40/60 (M, K/N-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 2002 SEC 3. A SEAL ON THIS DESIGN SHALL INDICATE THE OCCUPANCY OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER'S USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (N-17/5X) ASTM A653 GRADE 40/60 (M, K/N-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 2002 SEC 3. A SEAL ON THIS DESIGN SHALL INDICATE THE OCCUPANCY OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER'S 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
FL Certificate of Authorization # 567

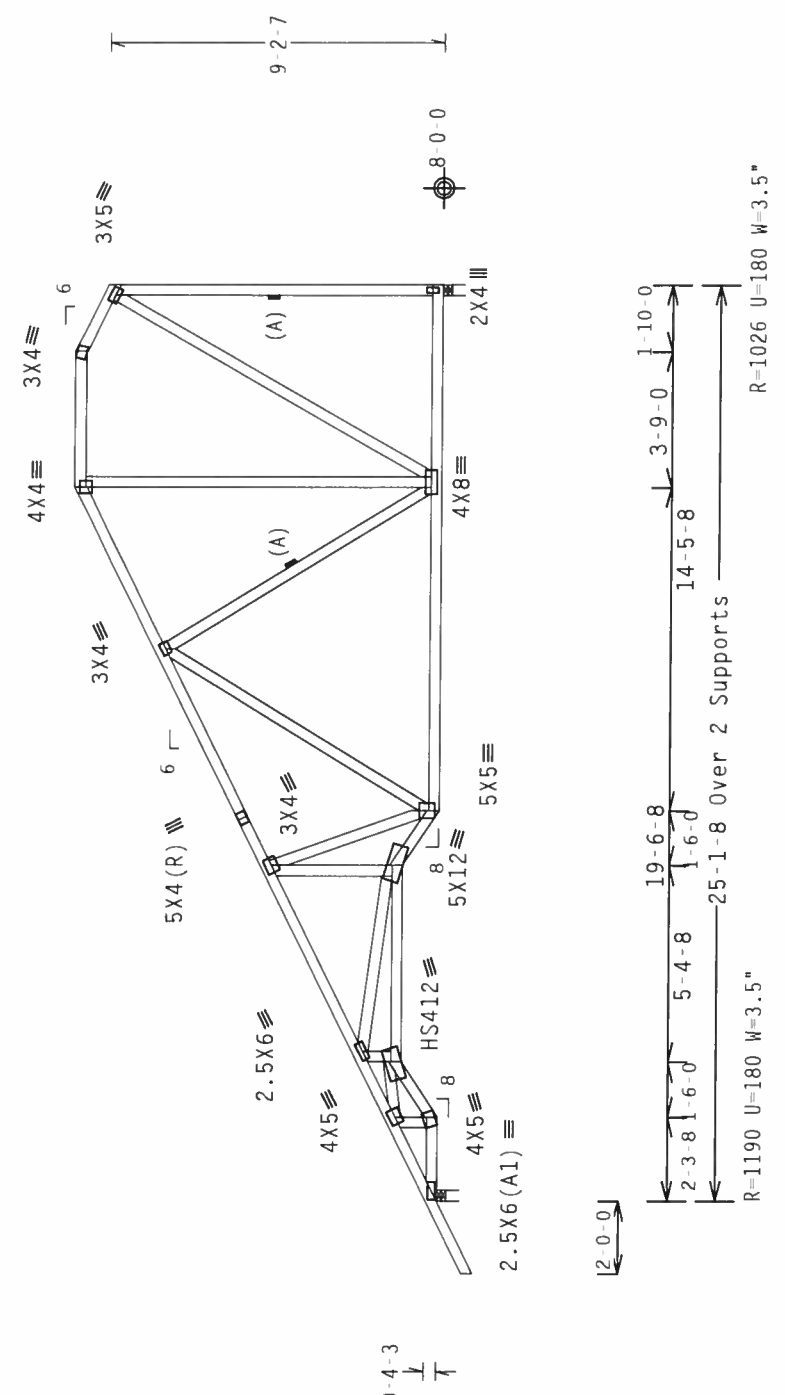
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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 8, 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.

Right end vertical not exposed to wind pressure.



PLT TYP. 20 Gauge HS, Wave

Design Crit: TPI-2002(STD)/FBC

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

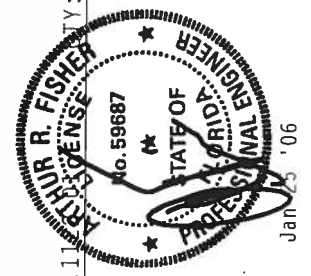
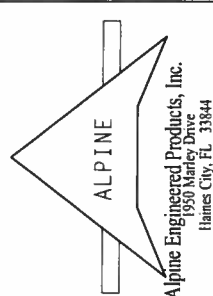
7.22.11

FL/-/4/-/R/-

Scale = .1875"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE TPI TRUSS PLATE INSTITUTE, 583 DODD ST., SUITE 200, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (4-11/16") ASTM A653 GRADE 40/60 (4, 6/16") GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING SHALL BE THE SOUTHERN USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



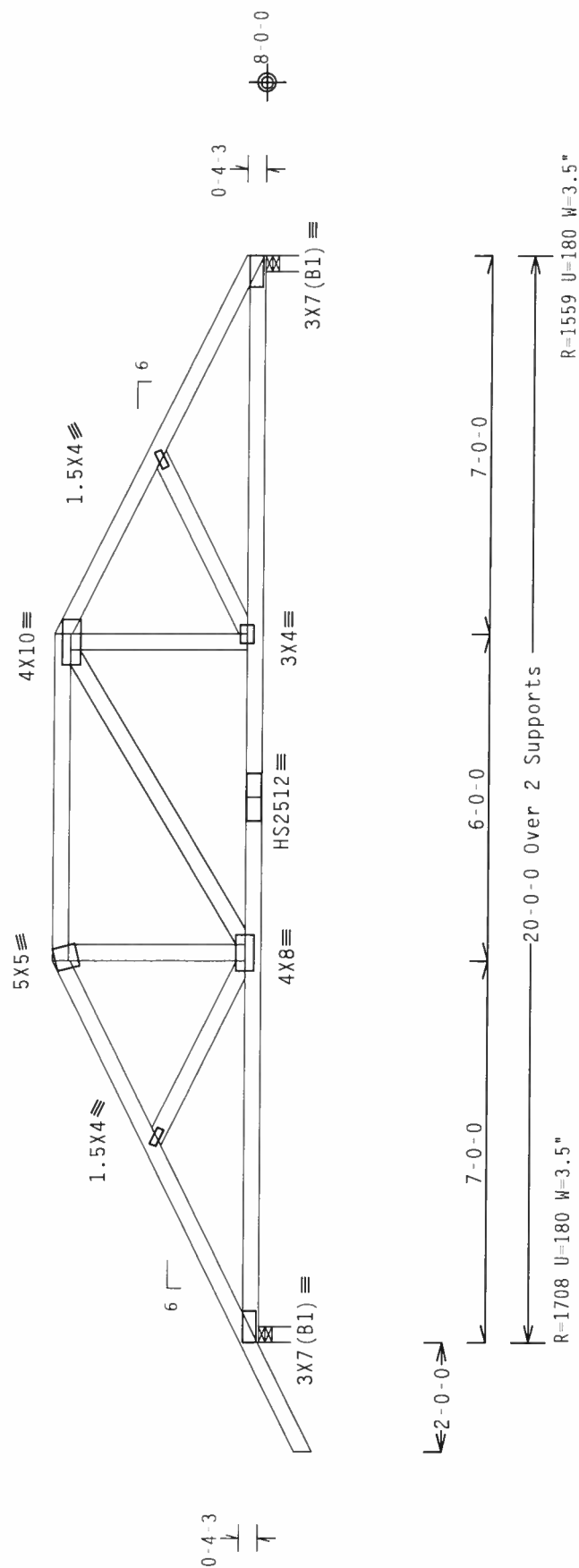
TC LL	20.0 PSF	REF	R487 --	36952
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUSR487	06025017
BC LL	0.0 PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0 PSF	SEQN-	78791	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SU5487	Z04

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.

#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.



PLT TYP. 20 Gauge HS, Wave

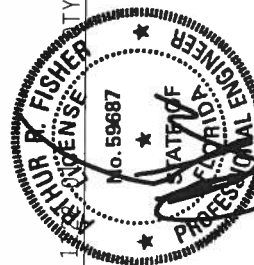
Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0) \quad 7.22.13$

Scale = .3125"/Ft.

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLEAS INSTITUTE, 563 D-CHOTROD DR., SUITE 200, MADISON, WI 53719), AND NCA (NATIONAL TRUSS COUNCIL OF AMERICA, 6300 CHOTROD DR., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED BRACING.

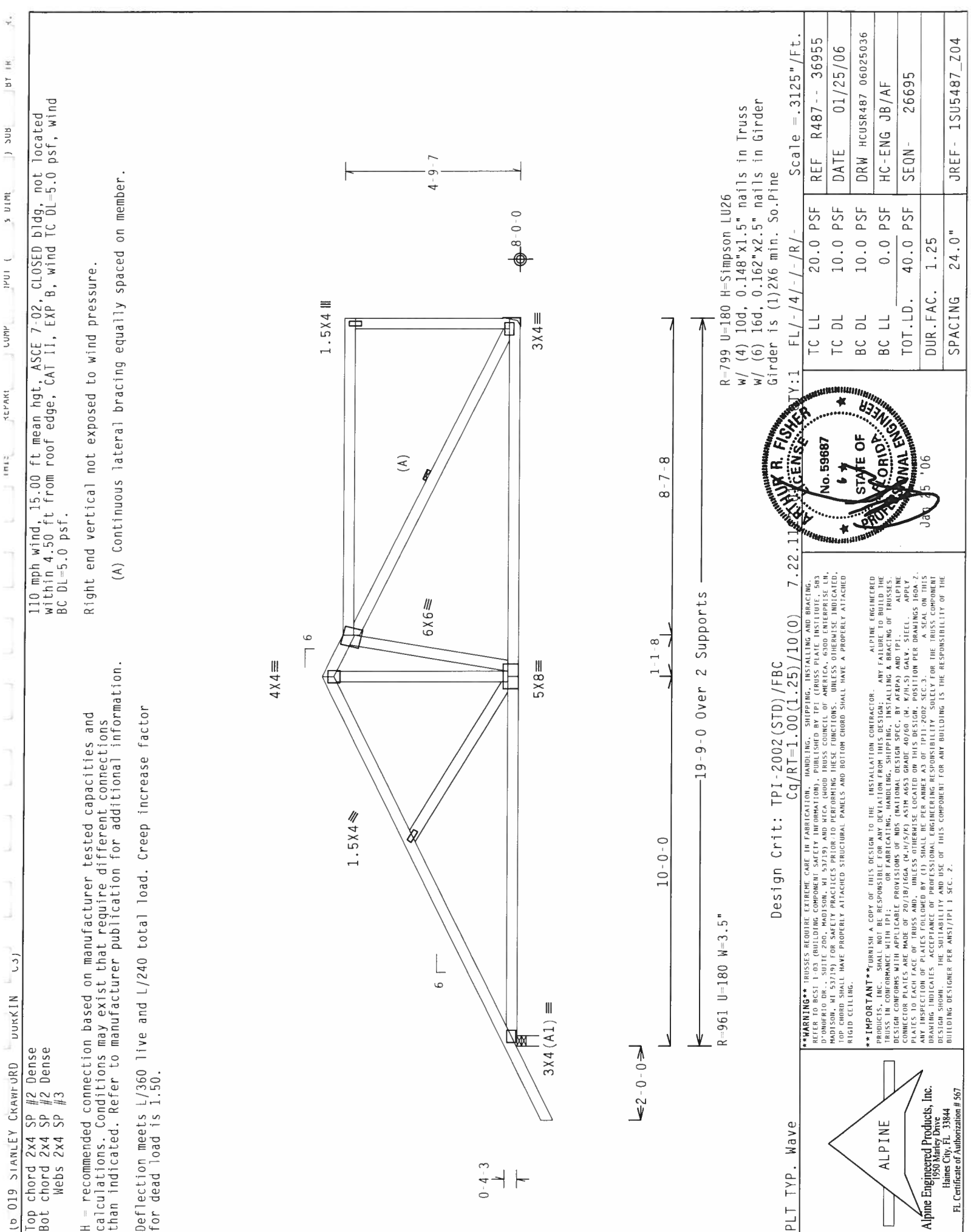
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE DESIGN IN CONFORMANCE WITH 1) OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGNER'S LIABILITY FOR ANY DAMAGE TO ANY TRUSS OR CONNECTOR PLATES ARE MADE BY THE FOLLOWING: PROVIDERS OF MATERIALS (DESIGN SPECIFIED) ALPINE CONNECTOR PLATES ARE MADE BY ALPINE ENGINEERED PRODUCTS, INC. (ASTM A572 GRADE 50/60 (14" K/H/S) STEEL) ALPINE PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE SPECIFIED, POSITION PER DRAWINGS FROM 2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK AS THE DESIGN POSITION PER DRAWINGS FROM 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS DESIGN. THE DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/FP 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # S67

FL Certificate of Authorization # 567
Haines City, FL 33844

TC LL	20.0	PSF	REF	R487 --	39953
TC DL	10.0	PSF	DATE	01/25/06	
BC DL	10.0	PSF	DRW	HCUSR487	06025034
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN	26666	
DUR.FAC.	1.25				
SPACING	24.0"		JREF	1SU5487	704



PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)	7.22.11	Scale = .3125"/Ft.
TC LL	20.0 PSF	REF	R487 - 36955
TC DL	10.0 PSF	DATE	01/25/06
BC DL	10.0 PSF	DRW	HCUSR487 06025036
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	26695
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SU5487_Z04

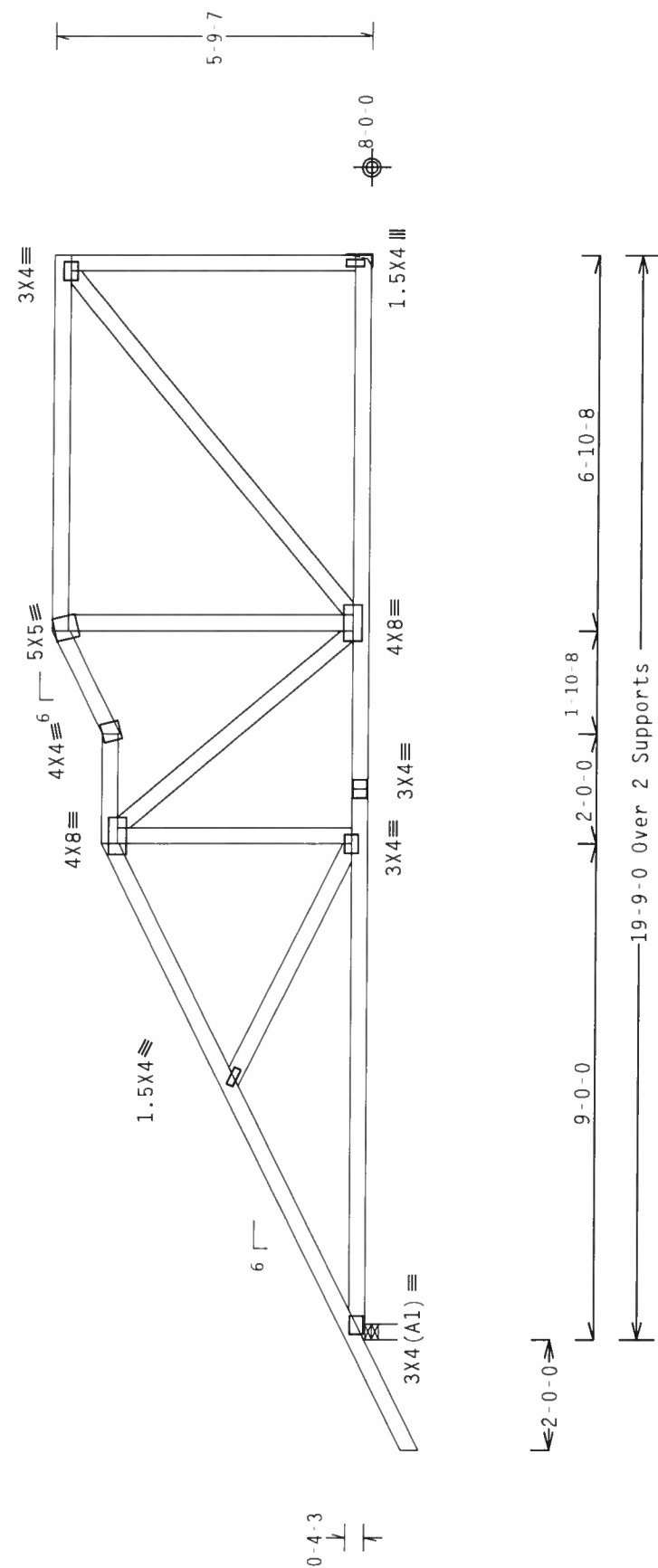
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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

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.



R-961 U=180 W=3.5"

19-9-0 Over 2 Supports

R-799 U=180 H=Simpson LU26

w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 16d, 0.162"x2.5" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.22.1	Scale = .3125"/Ft.
ALPINE Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, 1000 W. 10TH ST., SUITE 200, MADISON, WI 53703, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ELLIOTT ST., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1066 (W.1/2"/2) ASTM A653 GRADE 40/60 (W. K/H.5) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWING THE 2018/1066 (W.1/2"/2) ASTM A653 GRADE 40/60 (W. K/H.5) GALV. STEEL. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE SEAL ON THIS 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.	TC LL 20.0 PSF TC DL 10.0 PSF BC DL 10.0 PSF BC LL 0.0 PSF TOT.LD. 40.0 PSF DUR.FAC. 1.25 SPACING 24.0"
		REF R487-- 36956 DATE 01/25/06 DRW HCUSR487 06025037 HC-ENG JB/AF SEQN- 26705 JREF- 1SU5487 Z04

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

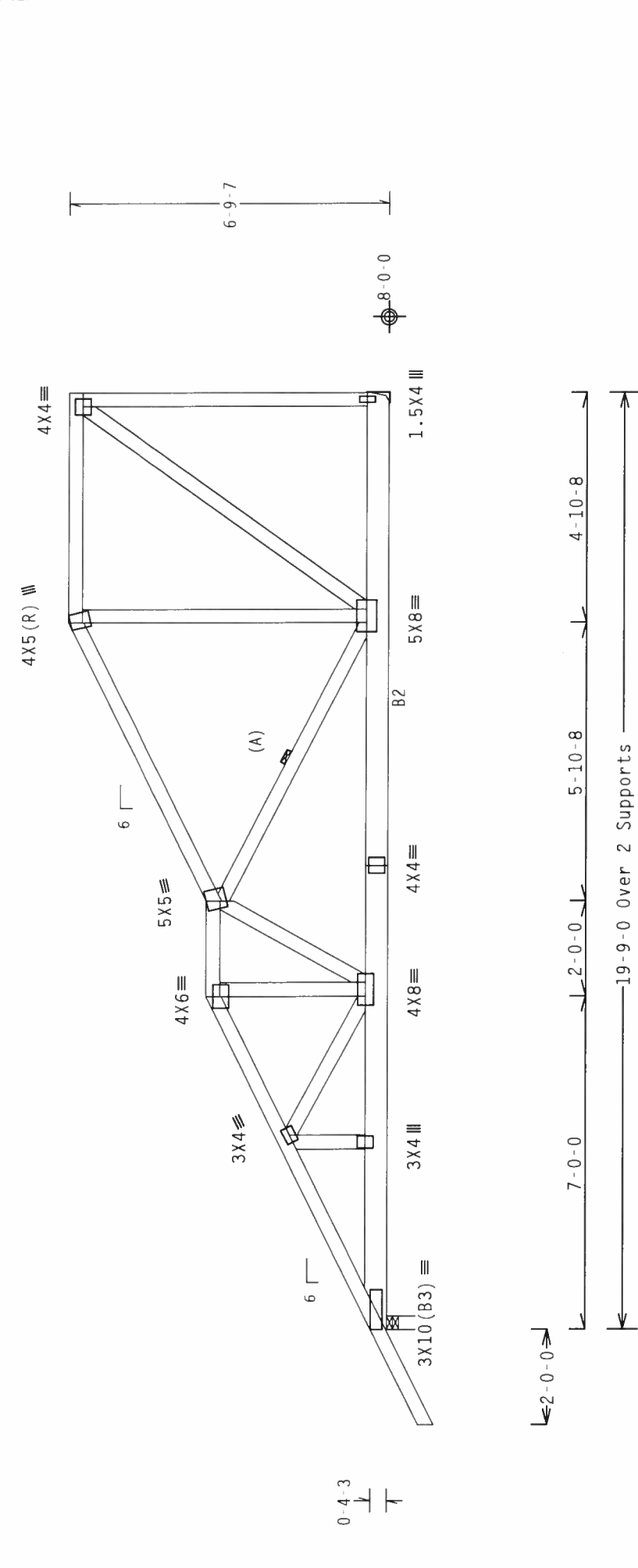
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Right end vertical not exposed to wind pressure.

(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.



R=1237 U=180 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2x6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.11

PLT TYP. Wave

ALPINE

Alpine Engineered Products, Inc.
Haines City, FL 33844

FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-H/S/K) ASTM A653 GRADE 40/60 (N. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE SIGNATURE OF THE DESIGNER. THE SIGNATURE OF THE DESIGNER IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-H/S/K) ASTM A653 GRADE 40/60 (N. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE SIGNATURE OF THE DESIGNER. THE SIGNATURE OF THE DESIGNER IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Scale = .3125" / Ft.

TC LL	20.0 PSF	REF	R487--	36957
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUSR487	06025038
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	26744	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SU5487_Z04	

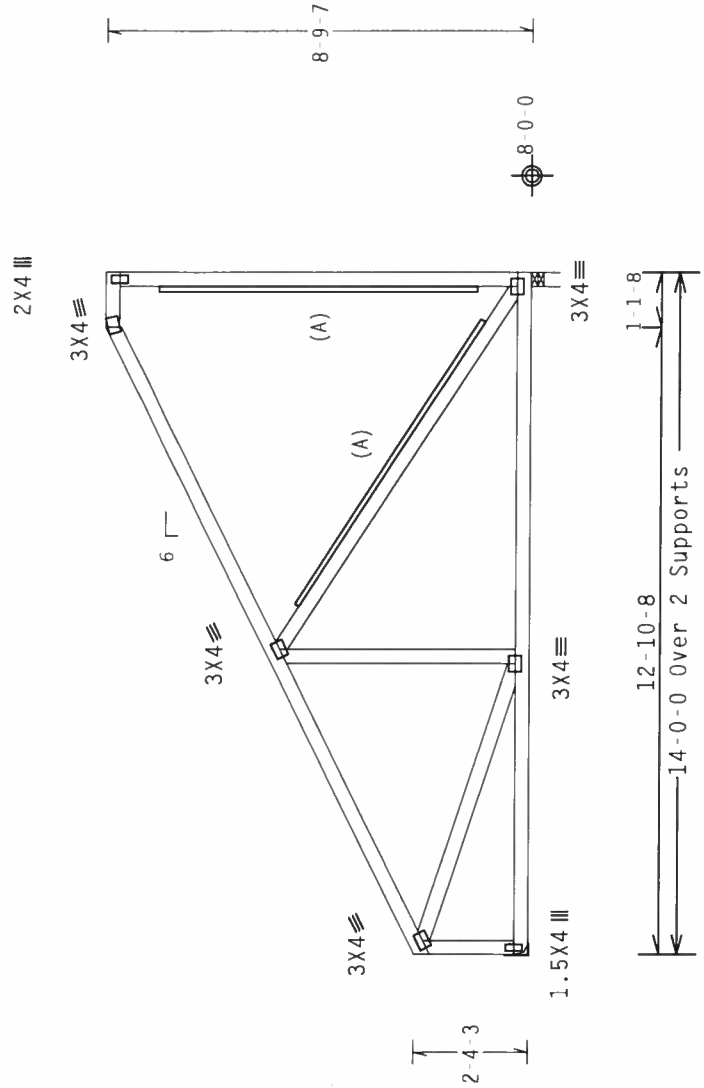
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.
(A) 1x4 SP #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/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.

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



R=577 U=180 H-Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=577 U=180 W=3.5"

PLT TYP. Wave

Alpine Engineering Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0) 7-22-11

Scale = .25" /Ft.

TC LL	20.0 PSF	REF	R487 -	36959
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUSR487	06025040
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	26652	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SU5487	Z04

THUR R. FISHER
PROFESSIONAL ENGINEER
NO. 59687
STATE OF FLORIDA
Jan 25 '06

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PANELS, INC., 10000 MARLEY DRIVE, SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, ETC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND IPT. ALPINE TRUSSES ARE MANUFACTURED TO MEET OR EXCEED 2018/10GA (W/1/2X) ASTM A663 GRADE 40/60 (W/ 2/1.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS CHORDS ON THIS DESIGN. POSITION PER DRAWINGS T04A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1)3 SHALL BE PERFORMED AND APPROVED BY THE DESIGNER. THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSSES AND THIS 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.

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.

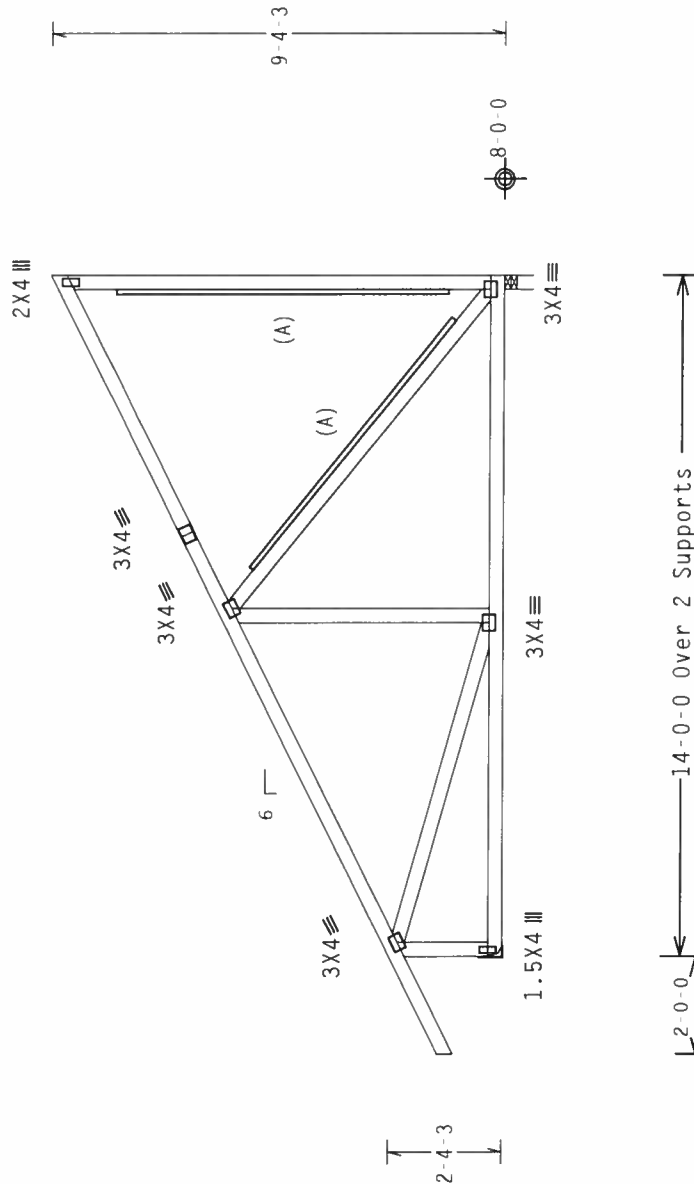
Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

(A) 1x4 SP #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

Right end vertical not exposed to wind pressure.

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



R=720 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So-Pine
R=567 U=180 W=3.5"

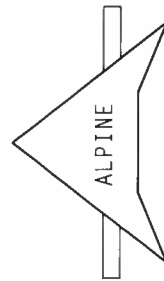
PLT TYP. Wave

Scale = .25"/Ft.

	TC LL	20.0	PSF	REF	R487 --	36960
	TC DL	10.0	PSF	DATE	01/25/06	
	BC DL	10.0	PSF	DRW	HCUSR487	06025041
	BC LL	0.0	PSF	HC-ENG	JB/AF	
	TOT.LD.	40.0	PSF	SEON-	26722	
	DUR.FAC.	1.25				
SPACING			24.0"	JREF-	1SU5487	Z04

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLEA, 583 OBERLIN DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6100 ENTERPRISE IN., SUITE 200, WILSONVILLE, OR 97150) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED BRIGS, CEILING, ETC.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPHIC 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 COMPLIANCE WITH APPLICABLE PROVISIONS OF NIAA NATIONAL CODE 40760 (BY AFAPA) AND TPI. ALPHIC TRUSS DESIGNS WILL HAVE AVAILABLE DRAWINGS (W/H/SIZE) ASH ASSD GRADE 40760 (W/ K/P-M-5). GALV. STEEL. APPLY PLATES TO EACH FACE OF ALL JOISTS. POSITION PER TRUSS COMPANY'S POSITION PER TRUSS COMPANY'S DRAWING. INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE DESIGN COMPONENT OF THE BUILDING DESIGN. 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

FL Certificate of Authorization # 567

Jan 25 '06

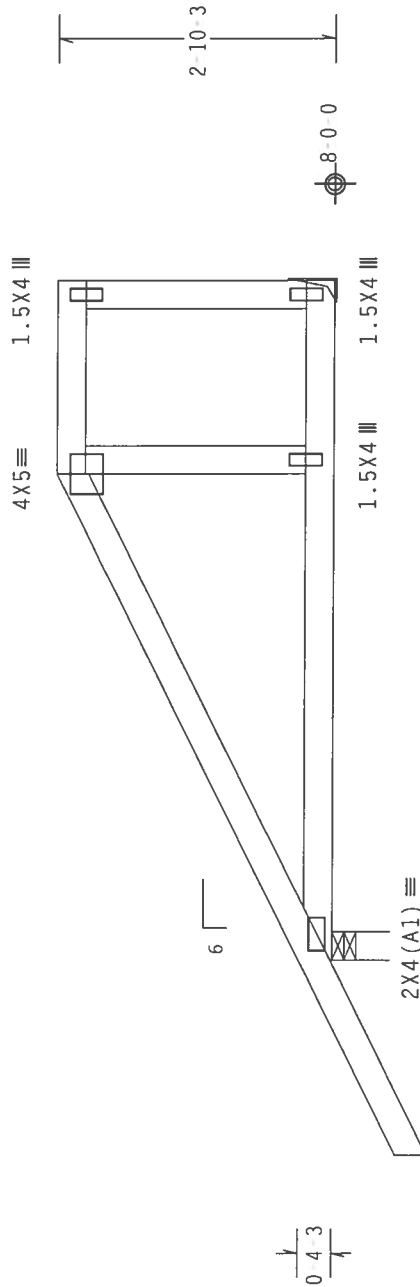
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

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

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

Right end vertical not exposed to wind pressure.
#1 hip supports 5 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.



Elevation view of a bridge structure. The structure consists of a main span and two side spans. The dimensions are as follows:

- Left side span: 2'-0"
- Main span: 5'-0"
- Right side span: 2'-0"
- Overlaid dimension for the main span: 7'-0" Over 2 Supports

 Material specifications:

- R = 518 U = 180 W = 3.5"
- R = 466 U = 180 H = Simpson 1124

R=518 U=180 W=3.5" R=466 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" na w/ (4) 10d, 0.148"x1.5" na
w/ (4) 10d, 0.148"x1.5" na w/ (4) 10d, 0.148"x1.5" na
Girders 11/15/25 min. So.P
Design Crit. TPI-2002(Std) /ERC

PLT TYP. Wave

Scale = .5"/Ft.

WARNING: THESE TRUCKS REQUIRE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BES 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'OFTOR DR., SUITE 200, MADISON, WI 53719), AND NCA (NORTH TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE, N. 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 PROPERLY ATTACHED RIGID CEILING.

TC LL	20.0 PSF	REF R487 - 36961
TC DL	10.0 PSF	DATE 01/25/06

[illegible]

BC DL	10.0 PSF	DRW HCUSR487 0602504
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 26627
DUR.FAC.	1.25	

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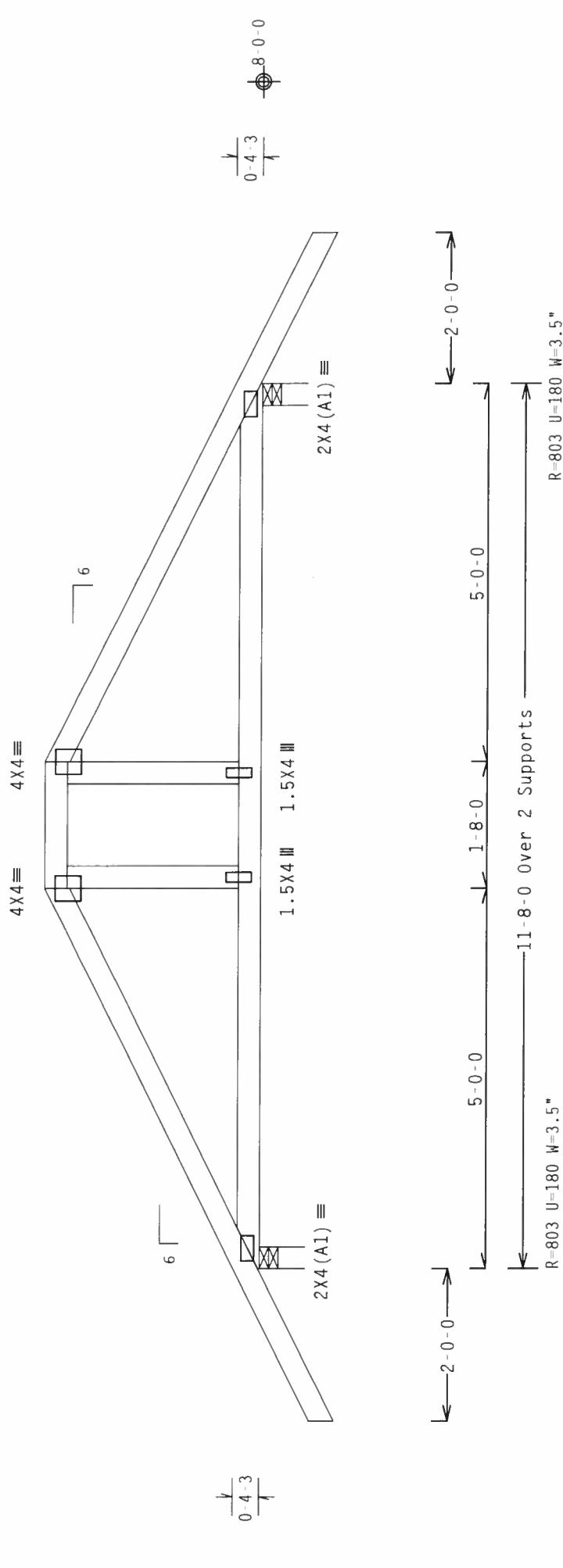
REF- 1S115487 704

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

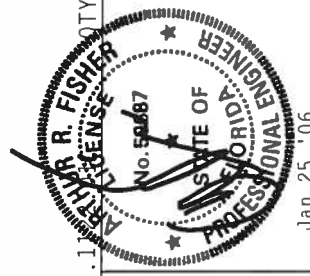
#1 hip supports 5'-0" jacks with no webs.

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

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.11



PLT TYP. Wave	Scale = .5" / Ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"
JREF	1SU5487 Z04

REF R487 -- 36963
DATE 01/25/06
DRW HCUSR487 06025044
HC-ENG JB/AF
SEQN- 26618

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RETR TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 W. ORLANDO DR., SUITE 200, MADISON, WI 53719) AND NTEA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., SUITE 337, FARMINGTON, CT 06031). TRUSSES MUST BE PROPERLY PRACED PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO FOLLOW THE DESIGN IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ACAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (N/A/S/K) ASTM A653 GRADE 40/60 (M. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANHIX 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

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS
Webs 2x4 SP #3

SPECIAL LOADS

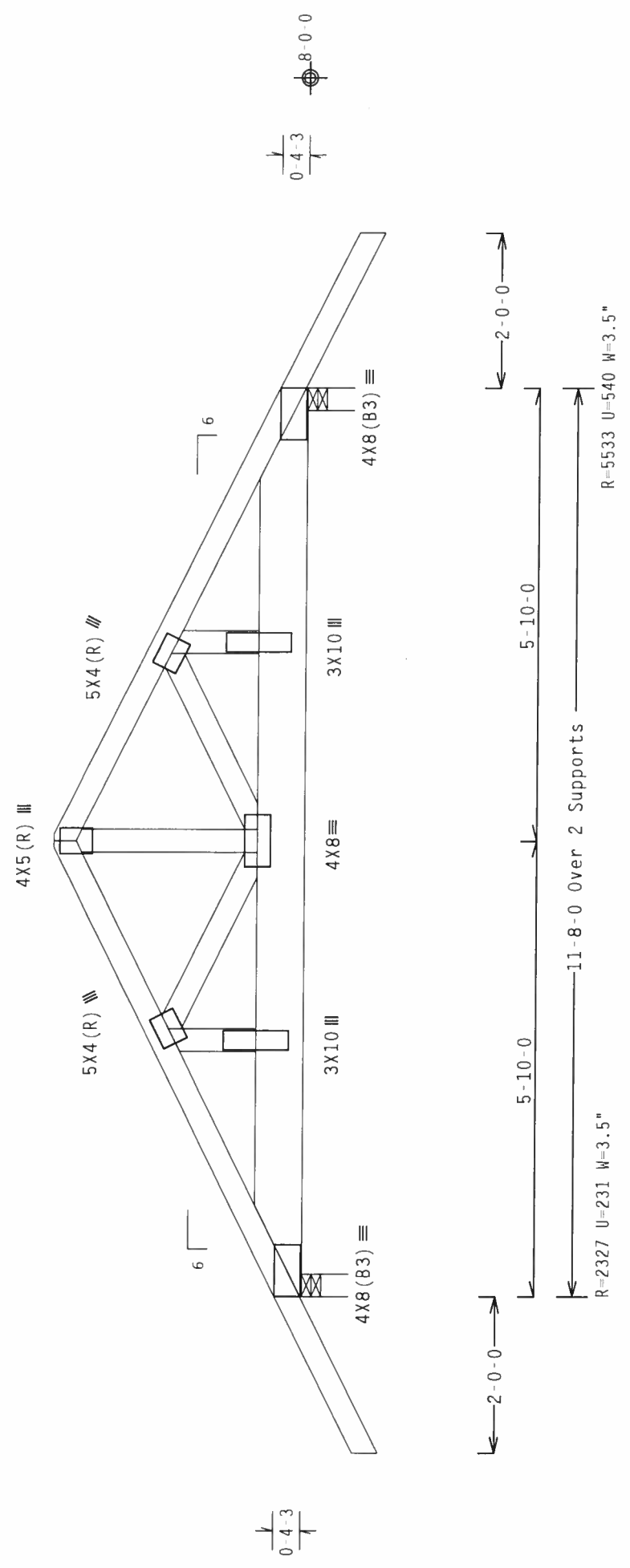
TC	From	62 PLF at -2.00 to	62 PLF at 13.67
BC	From	4 PLF at -2.00 to	4 PLF at 0.00
BC	From	20 PLF at 0.00 to	20 PLF at 11.67
BC	From	4 PLF at 11.67 to	4 PLF at 13.67
BC	3316 LB Conc. Load at	7.06	
BC	1589 LB Conc. Load at	9.06	
BC	1726 LB Conc. Load at	11.06	

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common, (0.148"x3.25", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.25" 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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.11

PLT TYP. Wave

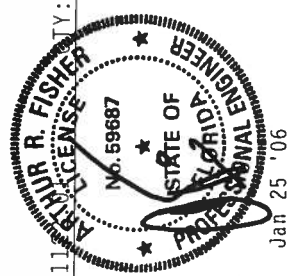
Scale = .5" / Ft.

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

REF	R487--	36964
DATE	01/25/06	
DRW	HCUSR487	06025045
HC-ENG	JB/AF	
SEQN	78757	
JREF	1SU5487	Z04

ALPINE

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1950 Mailey Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY) AND TPI-2002 (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL, 1000 W. K/M-5) GALV. STEEL. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/PA) AND TPI-2002. CONNECTOR PLATES ARE MADE OF 2018/16GA (M-H/S/K) ASTM A653 GRADE 40/60 (H. K/M-5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-7. PLATES SHALL BE PER ANSII A3 OF TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSII/TPI 1 SEC. 2.

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

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)

Top Chord: 1 Row @12.00" o.c.
 Reinforcing Concrete: (12xCommon_0.14x0.14x2.2)

Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 3.50" o.c. (Each Row)

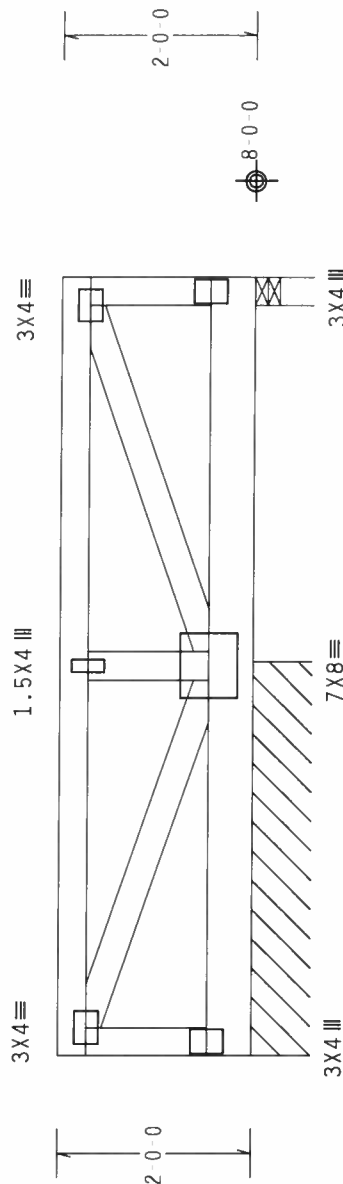
Webbs : 1 Row @ 4" o.c.

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.

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



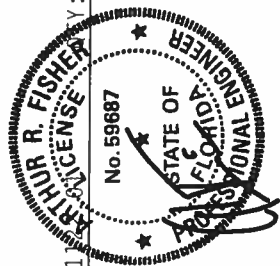
$\overleftarrow{\hspace{1.5cm}}$ 8-0-0 Over 2 Supports $\overrightarrow{\hspace{1.5cm}}$
 R=1824 PLF U=195 W=4-0-8
 R=2094 U=257 W=3-5*

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$ 7.22.11

Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R487 --	36965
TC DL	10.0 PSF	DATE	01/25/06	
BC DL	10.0 PSF	DRW	HCUR487	06025046
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	78768	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SU5487	Z04



Jan 25 '06

WARNING: THUSSELS REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIG 1.03 (BUILDING COMPONENT SAFETY), PUBLISHED BY IPI (TRUSS PAIL INSTITUTE, 583 O'DONNELL RD., SUITE 200, MADISON, MI 48219) AND MTC (METAL TRUSS COMPANY, 10000 W. 10TH AVE., MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED LIGHT GIRDING.

****IMPORTANT**** SUBMIT A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED TRUSSES, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THE DESIGN OR FABRICATION OF THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE DESIGN COMBINS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFAPA) AND ALPINE PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. GALV STEEL APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMHS AS OF APRIL 2002 SEC. 3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DISIGNER PER SECTION 2.



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

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Haines City, FL 33844

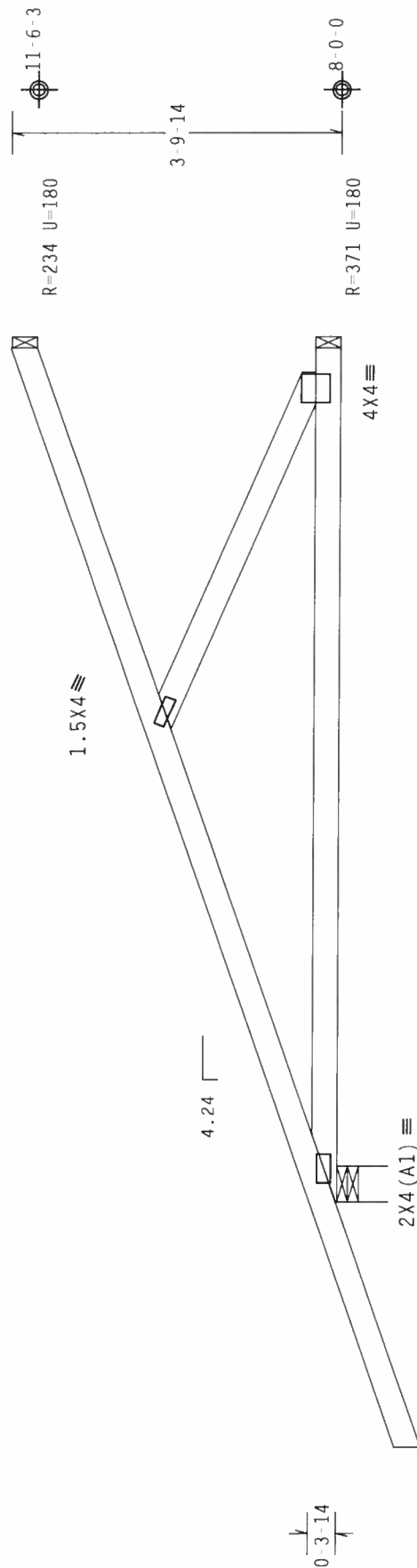
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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.

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


$$\overleftrightarrow{2-9-15}$$

9-10-13 Over 3 Supports

 $R=540 \quad H=205 \quad W=495$

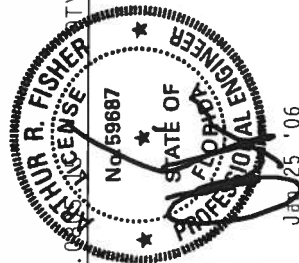
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

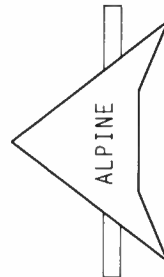
PROPERTY: 8 FL/-/4/-/-/R/-

Scale = 5"/Ft.



****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS 1-1 (2007), INCLUDING COMPLIMENT SAFETY INFORMATION, PUBLISHED BY TPI (CRUSS PLATE INSTITUTE, 593 NORTH BOSTON, MADISON, WI 53749) AND WCA (WOOD CRUSS COMPANY, 6300 INDUSTRIAL, ENCLAVE, MADISON, WI 53749) FOR PRECAUTIONS TO PREVENTING THESE OCCURRENCES, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL TAILS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED TAILS.

****IMPORTANT**** - **T**URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ALPINE ENGINEERS & ARCHITECTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH T1P1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, TRUSSES IN CONFORMANCE WITH APPL CABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC., BY AF&PA) AND T1P1, ALPINE ENGINEERS & ARCHITECTS, INC. SHALL BE RESPONSIBLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A, 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBEX AS OF APRIL 2009, SEC. 2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS DESIGN. THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMBEX T1P1, SEC. 2.

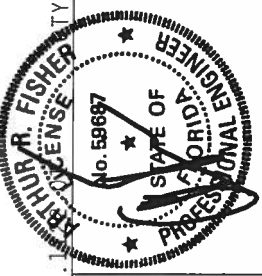
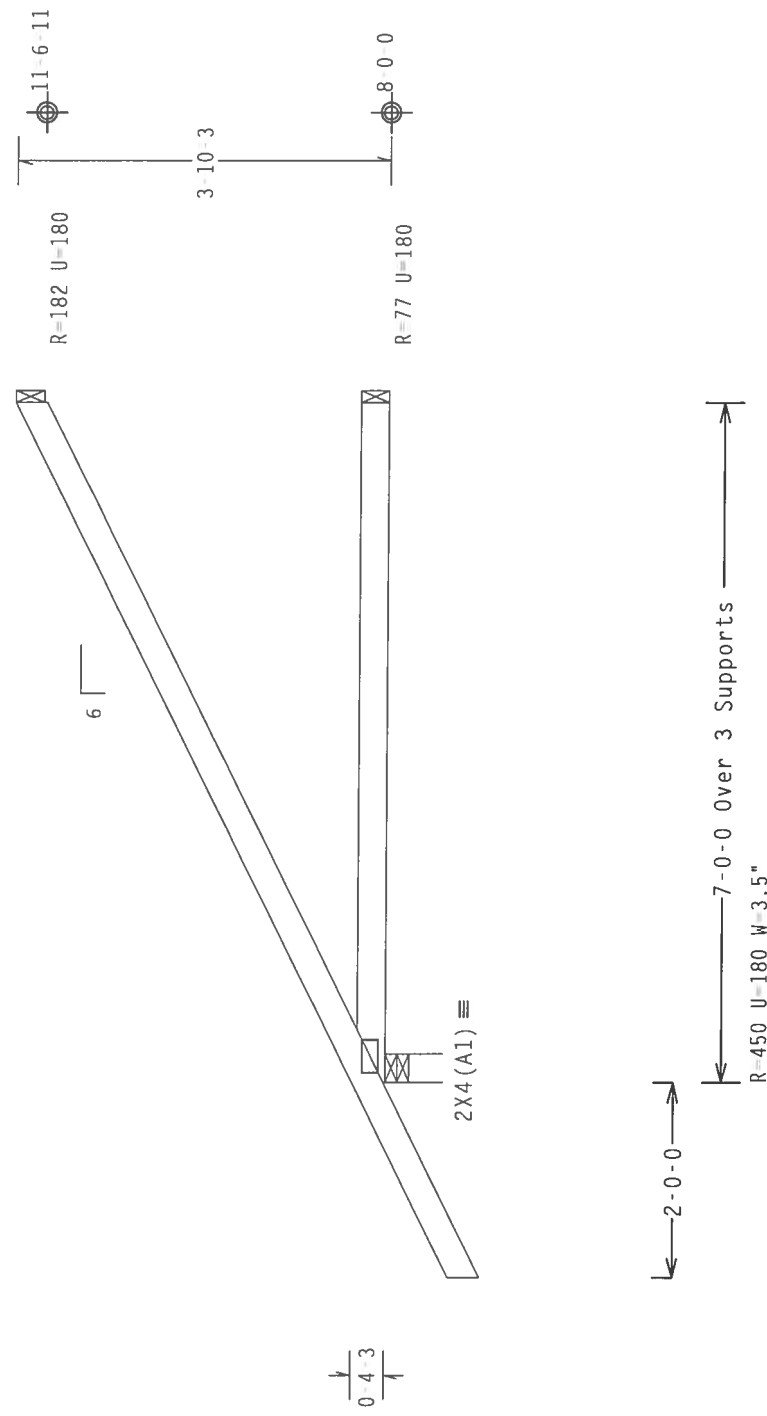


Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

TC	LL	20.0	PSF	REF R487-- 36966
TC	DL	10.0	PSF	DATE 01/24/06
BC	DL	10.0	PSF	DRW HCURS487 06024101
BC	LL	0.0	PSF	HC-ENG JB/AF
TOT.	LD.	40.0	PSF	SEQN- 64011
DUR.	FAC.	1.25		
SPACING	24.0"			JREF- 1SU5487 Z04

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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

PLT TYP. Wave	TY:29	FL/-/4/-/R/-	Scale = .5" / Ft.
	TC LL	20.0 PSF	REF R487-- 36967
	TC DL	10.0 PSF	DATE 01/25/06
	BC DL	10.0 PSF	DRW HCUSR487 06025047
	BC LL	0.0 PSF	HC-ENG JB/AF
	TOT.LD.	40.0 PSF	SEQN- 26561
	DUR.FAC.	1.25	
	SPACING	24.0"	JREF- 1SU5487 Z04

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC61 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 3 D'ONOFEDIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE ENGINEERED PRODUCTS MADE 20/18/18GA (N-17/57A) ASTH A653 GRADE 40/40 (N. KIN-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF ALL CHORDS. ANY INSPECTION OF PLATES FOLLOWED BY CFS SHALL BE FOR THE DESIGNER'S RESPONSIBILITY. PERMANENT DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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.



3/31

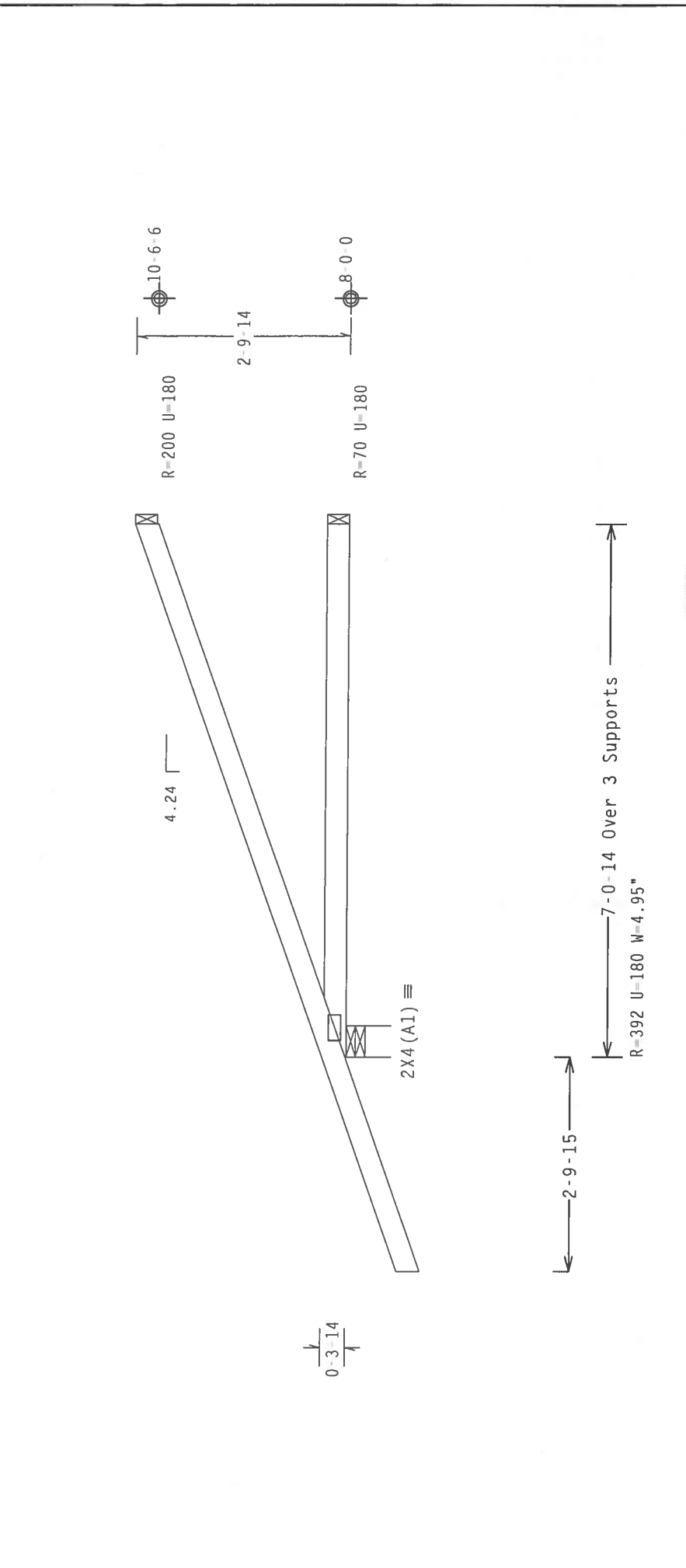
**** IMPORTANT **** SHALL NOT BE RESPONSIBLE FOR THE INSTALLATION CONTRACTOR'S ALPINE ENGINEERING PRODUCTS, INC. THROUGH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE ABOVE FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES IN THE CONFORMANCE WITH THE PROVISIONS OF MOD (C) (ALGAE SPEC. BY APPA) AND IFC (ALPINE CONNECTION PLATES ARE MADE TO BE IDENTICAL TO THE ALPINE CONNECTION PLATES). THE ALPINE CONNECTION PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL PER APPH A3 OF TP11 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THE BUILDING. THE DESIGNER HAS REVIEWED AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER APPH A3 OF TP11 2002 SEC. 3.

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

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) 7.22.11

Scale = .5" / Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Manley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE TPI TRUSS PLATE INSTRUCTIONS, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNFORD DR., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/30/16GA (M-H/S/K) ASTM A653 GRADE 40/60 (M, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING SHOWS THE SUITABILITY OF THIS COMPONENT FOR THE TRUSS COMPONENT. THE SEAL IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

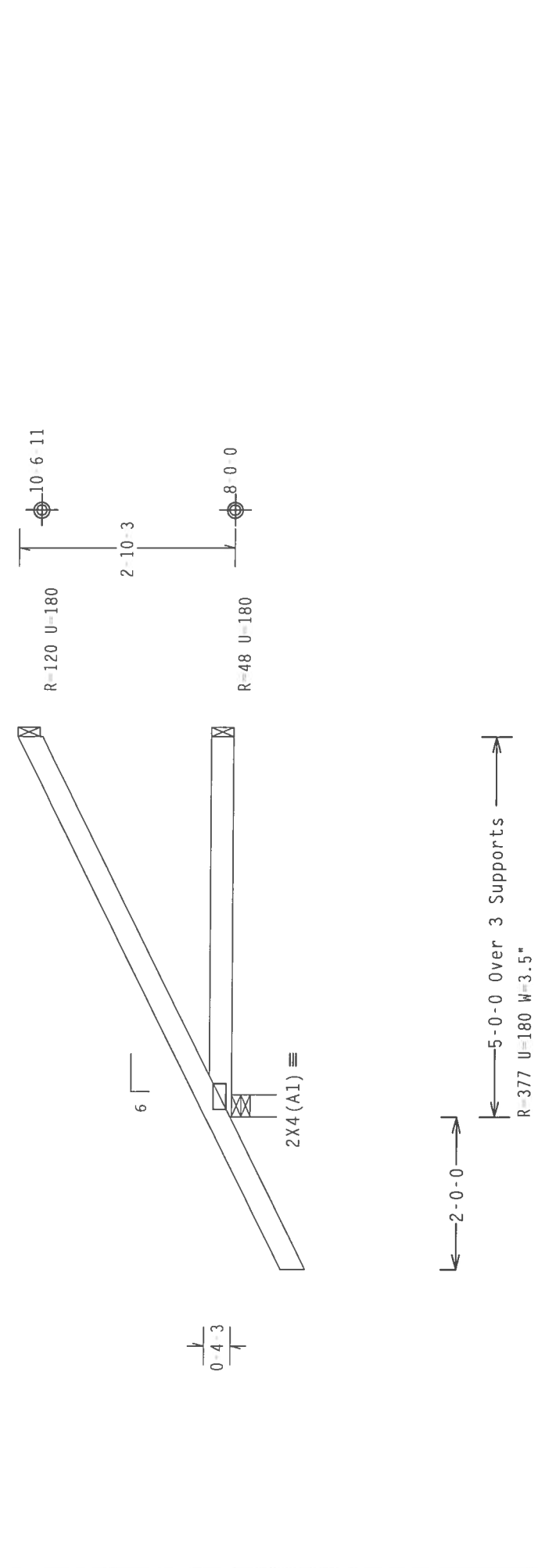
TC LL	20.0 PSF	FL / - / 4 / - / - / R / -	TY: 5	Scale = .5" / Ft.
TC DL	10.0 PSF			REF R487 - - 36969
BC DL	10.0 PSF			DATE 01/25/06
BC LL	0.0 PSF			DRW HCUSR487 06025048
TOT. LD.	40.0 PSF			HC-ENG JB/AF
DUR. FAC.	1.25			SEQN- 26592
SPACING	24.0"			JREF- 1SU5487_Z04

ARTHW R. FISHER
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 25 '06

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

Alpine Engineering Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.11

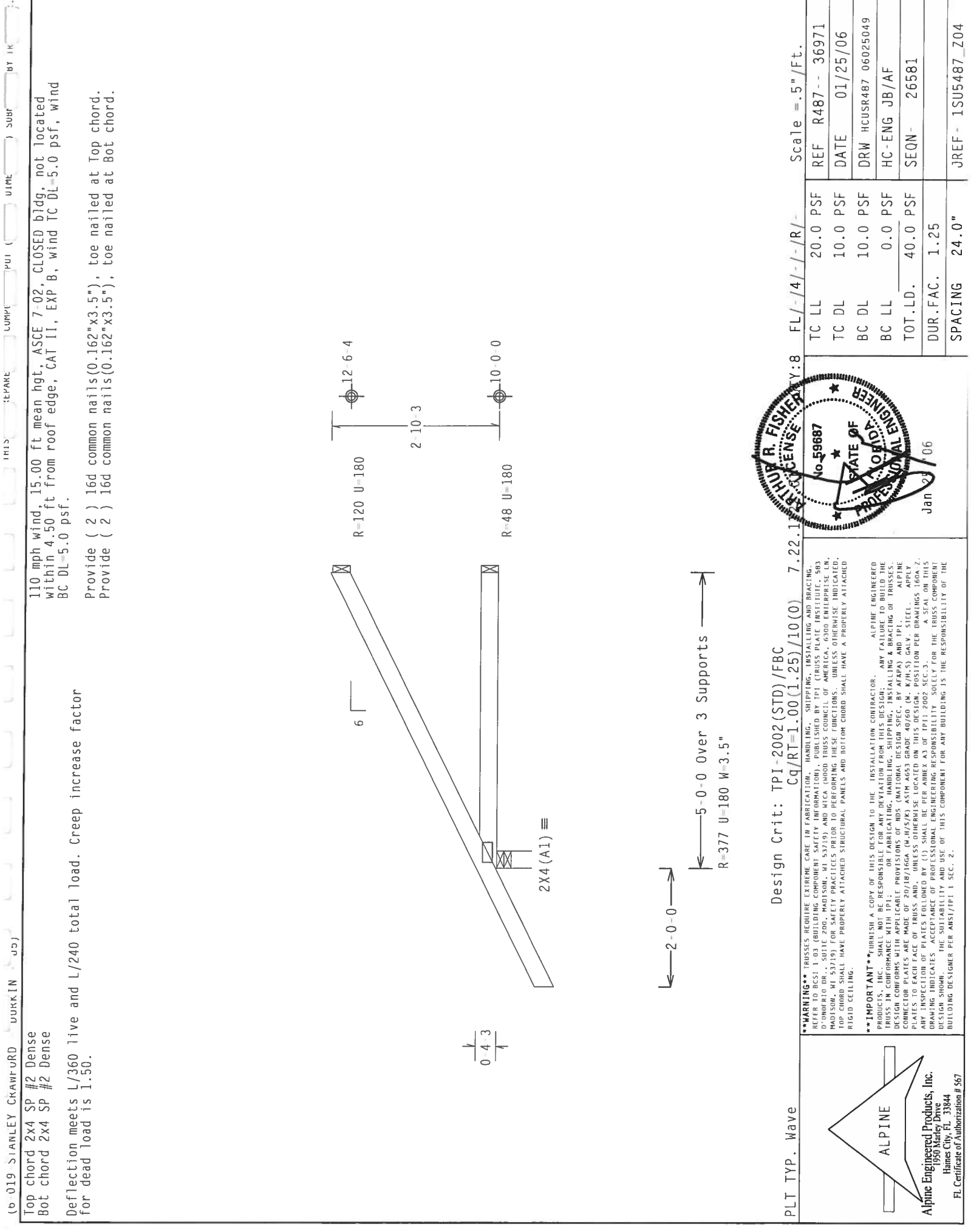
Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R487 - -	36970
TC DL	10.0 PSF	DATE	01/24/06	
BC DL	10.0 PSF	DRW	HCUSR487	06024102
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	26200	
DUR.FAC.	1.25	FROM	SA	
SPACING	24.0"	JREF	1SU5487	Z04

ARTHUR R. FISHER
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JUL 25 '06

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST L-03 (BUILDING COMPONENT SAFETY INFORMATION) FOR TRUSSES PLATE INSTITUTE 583 D-000010 DR. - SUITE 200, MADISON, MI 48219) AND AISC (4000 TRUSS COUNCIL OF AMERICA, 1000 N. 10TH ST., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-H/S/K) ASTM A653 GRADE 40/60 (M, K/H-S) GALV. STEEL. APPLY ANY INSPECTION TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER REVIEW FOR THE CROSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

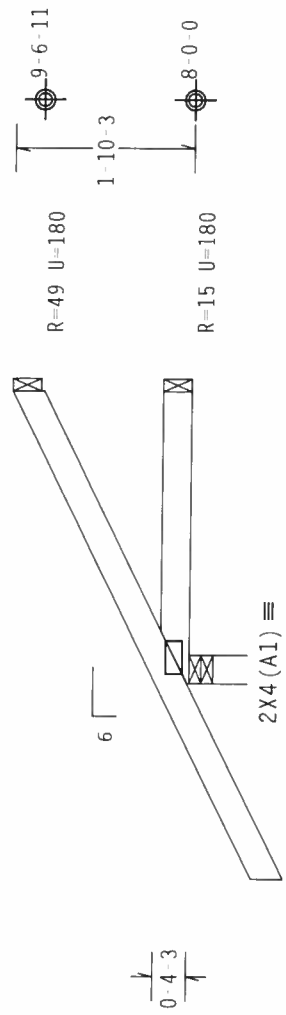


PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.22.1	Scale = .5" / Ft.
REF R487 -- 36971	TC LL 20.0 PSF	FL / - 4 / - / R / -
DATE 01/25/06	TC DL 10.0 PSF	
DRW HCUSR487 06025049	BC DL 10.0 PSF	
HC-ENG JB/AF	BC LL 0.0 PSF	
SEQN 26581	TOT.LD. 40.0 PSF	
	DUR.FAC. 1.25	
JREF - 1SU5487 Z04	SPACING 24.0"	

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST L.O.3 (BUILDING COMPONENT SAFETY, TPI), OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M/H/S/K) ASTM A653 GRADE 40/60 (M. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN FEET AND INCHES. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMS/TPI 1 SEC. 2.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M/H/S/K) ASTM A653 GRADE 40/60 (M. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN FEET AND INCHES. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMS/TPI 1 SEC. 2.

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.



2-0-0
3-0-0 Over 3 Supports
R=317 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.18

Scale = .5" / Ft.

TC LL	20.0 PSF	REF R487 -	36972
TC DL	10.0 PSF	DATE	01/25/06
BC DL	10.0 PSF	DRW	HGUSR487 06025019
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	26567
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SU5487 Z04

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

SEAL

STATE OF FLORIDA
Professional Engineer
No. 59887
Exp. 12/31/06
Signature: [Signature]
Date: Jan 25 '06

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC311.03 (BUILDING COMPONENTS), PUBLISHED BY TPI (TRUSS PLAT INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719), AND THE FOLLOWING INSTRUCTIONS FOR THE PROPER INSTALLATION OF THE TRUSS. 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 FOLLOW THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W-16/S/K) ASTM A653 GRADE 40/60 (4. K/M.5) GALV. SHEET. APPLY ANY INSPECTION EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION SHALL BE FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3 A SEAL ON THIS DRAWING INDICATES ACCEPTABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

019 STAWLEY CRAWFORD

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.

0-4-3

0-10-3

6

8-6-11

8-0-0

2X4 (A1)

R=110 U=180

R=35 U=180

1-0-0 OVER 3 SUPPORTS

R=361 U=180 W=3.5"

PLT TYP. Wave

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

7.22

TY:18 FL/-4/-/-R/-

SCALE=.5"/FT.

REF R487-- 36973

DATE 01/25/06

DRW HCUSR487 06025050

HC-ENG JB/AF

SEQN- 26571

DUR.FAC. 1.25

SPACING 24.0"

JREF 1SU5487_Z04

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
1950 MARLEY DRIVE
HAINES CITY, FL 33844
FL CERTIFICATE OF AUTHORIZATION # 567

ARTHUR R. FISHER

NO. 59887

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Jan 25 '06

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
1950 MARLEY DRIVE
HAINES CITY, FL 33844
FL CERTIFICATE OF AUTHORIZATION # 567

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
1950 MARLEY DRIVE
HAINES CITY, FL 33844
FL CERTIFICATE OF AUTHORIZATION # 567

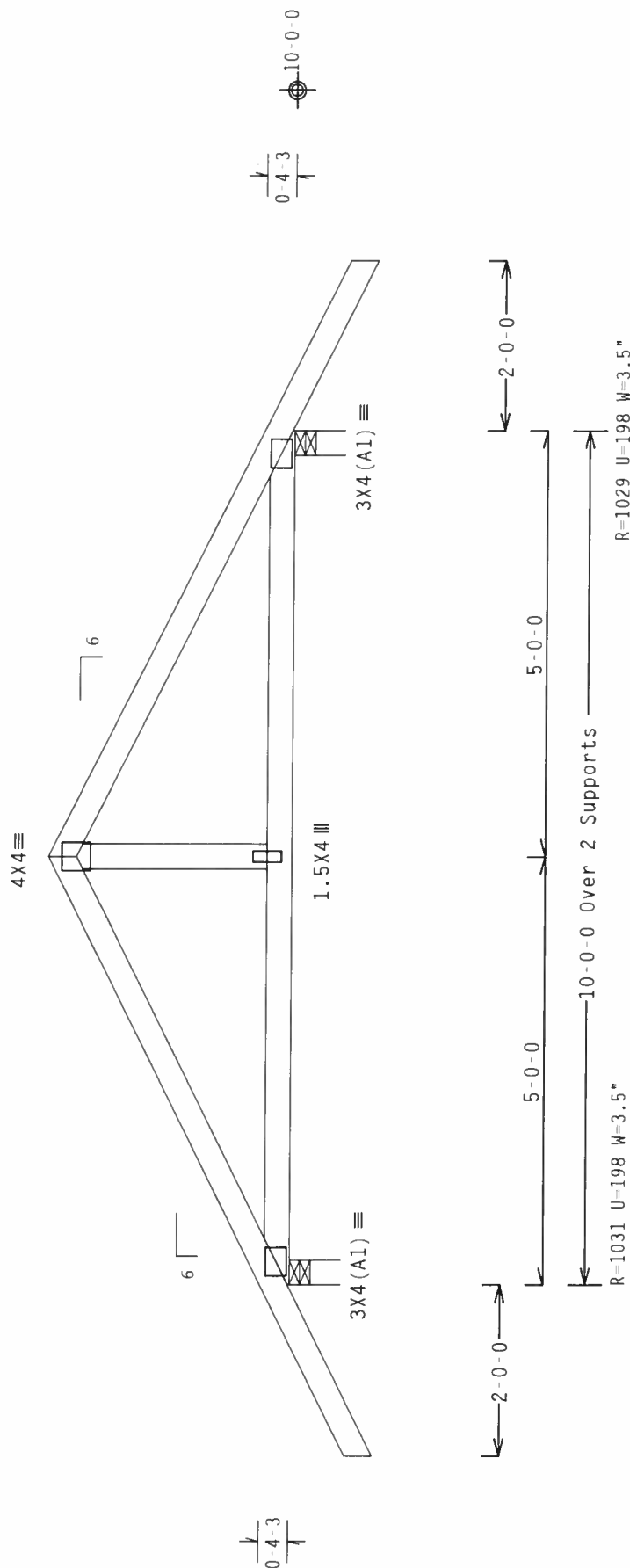
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

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.

SPECIAL LOADS

		(LUMBER	DUR.FAC.=1.25	/	PLATE	DUR.FAC.=1.25)
TC	-	From	62 PLF at -2.00 to		62 PLF at 12.00	
3C	-	From	4 PLF at -2.00 to		4 PLF at 0.00	
3C	-	From	20 PLF at 0.00 to		20 PLF at 10.00	
TC	-	From	4 PLF at 10.00 to		4 PLF at 12.00	
TC	-	521 LB	Conc. Load at 5.00			
3C	-	448 LB	Conc. Load at 5.00			



Design Crit: TPI-2002(STD)/FBC

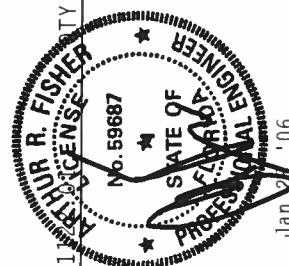
 $Cq/RT=1.00(1.25)/10(0)$

TY:1 FI/-/4/-/-/R/-

Scale = 5"/ft

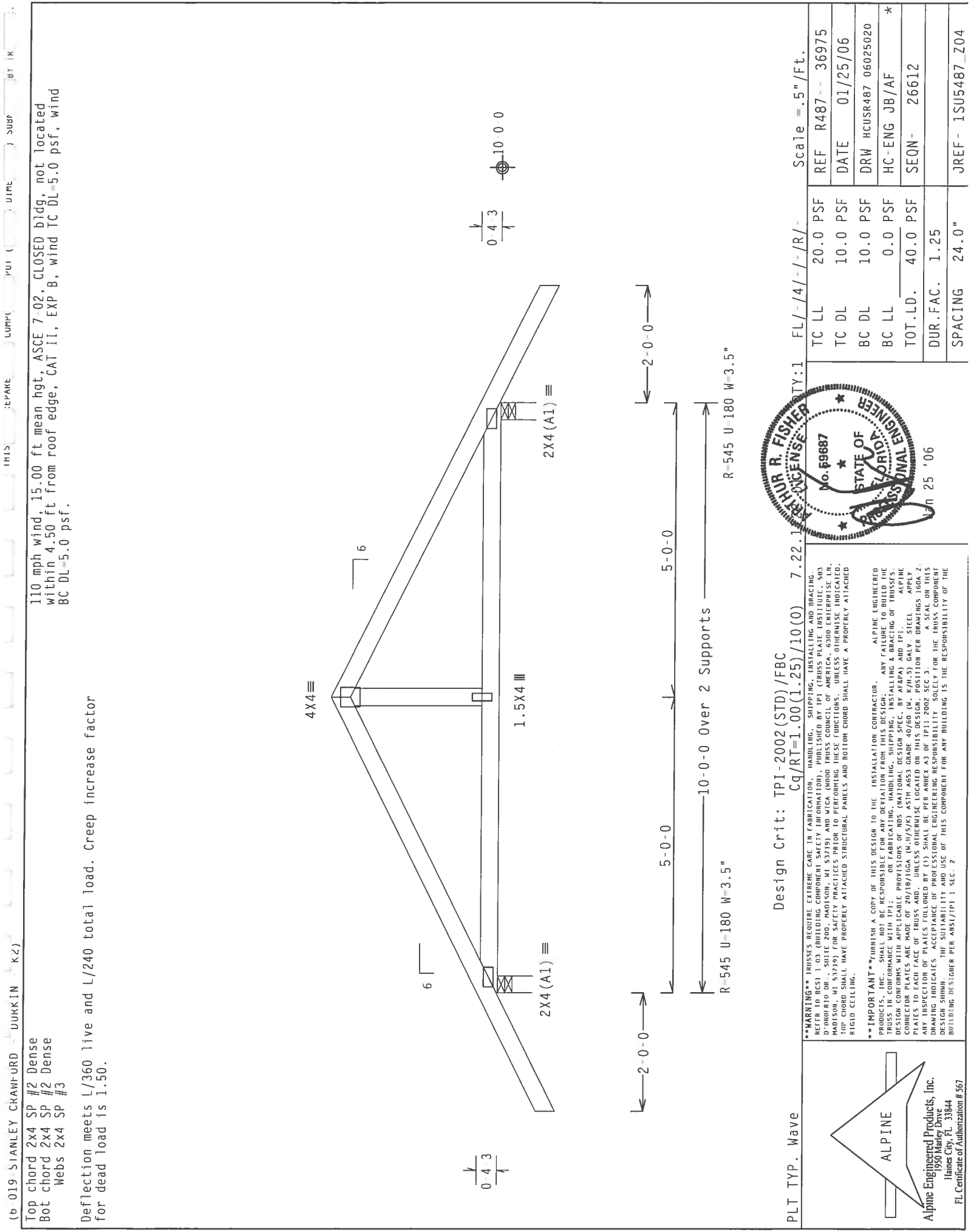
WARNING THOUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (CRUSS PACE INSTITUTE, 583 0-00000000 RD., SUITE 200, MADISON, WI 53715), AND SIGMA CROSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PAYS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED FIELD CELLS.

****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 COMPLIANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, JOISTS, OR CONNECTOR PLATES ARE MADE AND TRUSSES SHALL BE CONSIDERED ASH ASH GRADE 40/60 (W, F/H/S) AND TPI ALPINE CONNECTOR PLATES ARE TRUSS AND JOIST GRADE 40/60 (W, F/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND JOIST. THE FOLLOWING INFORMATION ON THIS DESIGN, POSITION PER DIAMETERS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE FURNISHED TO THE DESIGNER. A SEAL ON THIS DESIGN DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNING DESIGNER PER ANSP/PL 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Fl. Certificate of Authorization # S67

James City, FL 33844
Fl. Certificate of Authorization # 567



PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.22.1	FL/ /4/ - /R/ -	Scale = .5" / Ft.
REF R487 -- 36975	TC LL 20.0 PSF	DATE 01/25/06	DRW HCUSR487 06025020
DATE 01/25/06	TC DL 10.0 PSF	BC DL 10.0 PSF	HC-ENG JB/AF *
DRW HCUSR487 06025020	BC LL 0.0 PSF	TOT.LD. 40.0 PSF	SEQN- 26612
HC-ENG JB/AF *	DUR.FAC. 1.25	SPACING 24.0"	JREF- 1SU5487_Z04

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

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.

6

4X4

1.5X4

2X4 (A1)

2X4 (A1)

10-0-0 Over 2 Supports

R=545 U=180 W=3.5"

R=545 U=180 W=3.5"

5-0-0

5-0-0

2-0-0

2-0-0

0-4-3

1-10-0-0

6

0-4-3

1-10-0-0

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

ALPINE ENGINEERED PRODUCTS, INC.
No. 69887
STATE OF FLORIDA
PROFESSIONAL ENGINEER
R. FISHER
Jan 25 '06

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 TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI1. CONNECTOR PLATES ARE MADE OF 20/18/16GA (N/I/S/K) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT AND THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI1 SEC. 2.

TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 BIRCHMOUNT RD., SUITE 200, FARMINGTON, CT 06031) AND NPGA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR ADDITIONAL INFORMATION REGARDING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

BEARING BLOCK NAIL SPACING DETAIL

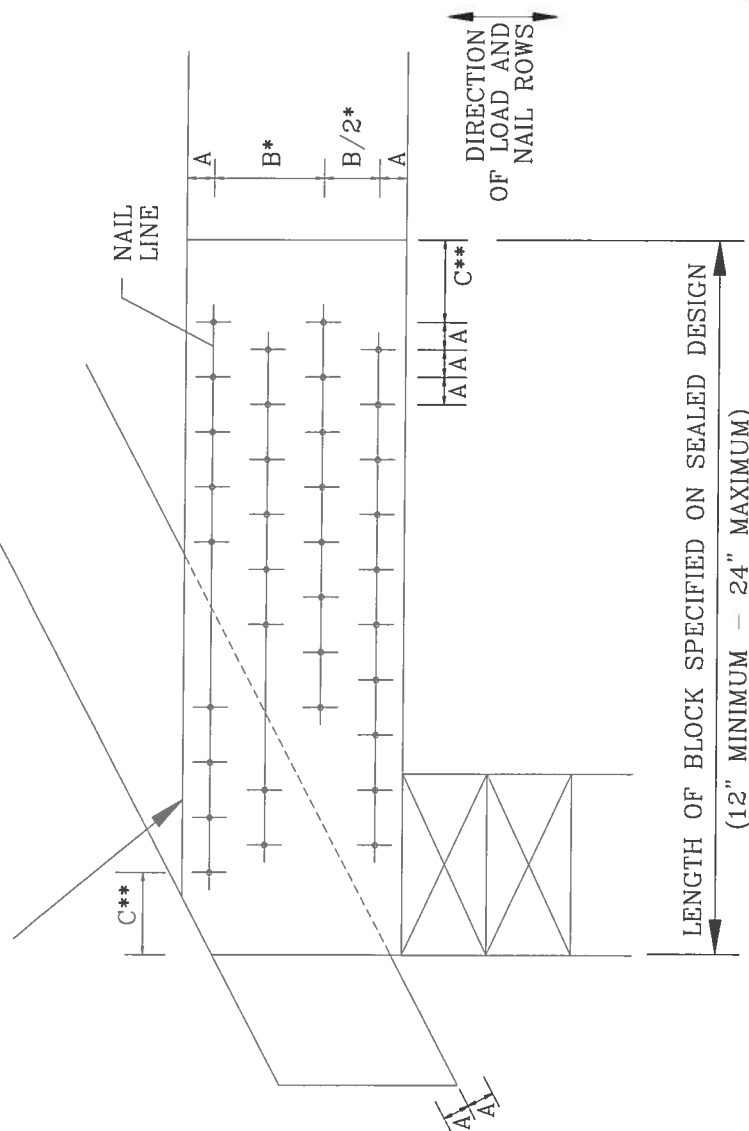
MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

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

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

- SPACING MAY BE REDUCED BY 50%
- SPACING MAY BE REDUCED BY 33%

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



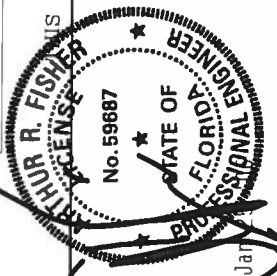
MINIMUM NAIL SPACING DISTANCES

DISTANCES	
NAIL TYPE	A B* C**
8d BOX (0.113"X2.5")	3/4" 1 3/8" 1 3/4"
10d BOX (0.128"X3")	7/8" 1 5/8" 2"
12d BOX (0.128"X3.25")	7/8" 1 5/8" 2"
16d BOX (0.135"X3.5")	7/8" 1 5/8" 2 1/8"
20d BOX (0.148"X4")	1" 1 7/8" 2 1/4"
8d COMMON (0.131"X2.5")	7/8" 1 5/8" 2"
10d COMMON (0.148"X3")	1" 1 7/8" 2 1/4"
12d COMMON (0.148"X3.25")	1" 1 7/8" 2 1/4"
16d COMMON (0.162"X3.5")	1' 2" 2 1/2"
0.120"X2.5" GUN	3/4" 1 1/2" 1 7/8"
0.131"X2.5" GUN	7/8" 1 5/8" 2"
0.120"X3.0" GUN	3/4" 1 1/2" 1 7/8"
0.131"X3.0" GUN	7/8" 1 5/8" 2"

LENGTH OF BLOCK SPECIFIED ON SEALED DESIGN
(12" MINIMUM - 24" MAXIMUM)

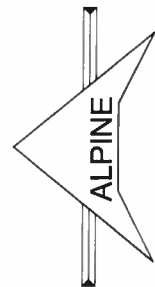
ATTHUR H. FISHER'S PATENT OFFICE
DRAWING REPLACES DRAWING B139 AND CNBERGLK0699

REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGLK1103
-ENG	SJP/KAR



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND MAINTAINING. REFER TO BECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE TRUSS PLATE INSTITUTE, 583 D'BORNO DR., SUITE 200, MADISON, WI 53719 AND WTC-A-0000 TRUSS CERTIFICATION PROGRAM OF THE NATIONAL ASSOCIATION OF TRUSS ROOFING MANUFACTURERS, 1000 TRUSS DRIVE, SUITE 100, WILMINGTON, DE 19801 FOR MORE INFORMATION. THE FOLLOWING INFORMATION IS FOR THE GUIDANCE OF THE USER OF THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED PERFORMING STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR DESIGNATION OF THIS DESIGN, ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH THE FABRICATING INSTRUCTIONS, OR THE BRACING OF THE TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BRACING OF TRUSSES BY AF&P) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2019/16GA C/W/H/S/K ASTM A653 GRADE 40/460 C/W/H/S/K GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND OTHERWISE LOCATED PER THIS DESIGN. POSITION PER DRAWINGS 160A-2. ON ANY INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE IN THIS DESIGN. POSITION PER DRAWINGS 160A-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE BY THE PROFESSIONAL ENGINEER. PROFESSIONAL ENGINEER RESPONSIBILITY FOR THE DESIGN SHALL BE THE RESPONSIBILITY OF THE DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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.

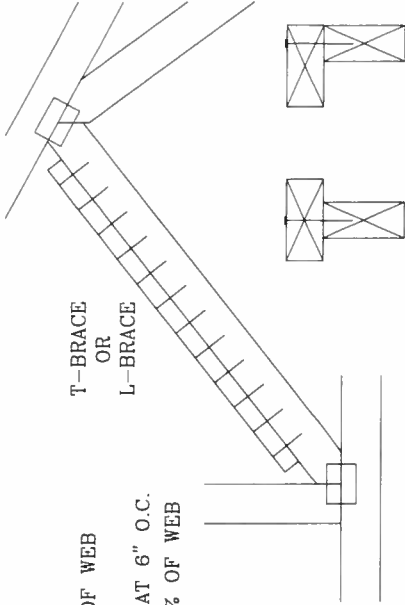
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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:

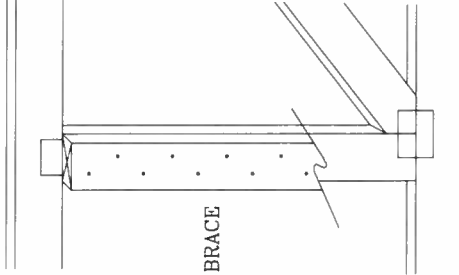
APPLY TO EITHER SIDE OF WEB
NARROW FACE
ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB
MEMBER LENGTH



T-BRACE
OR
L-BRACE

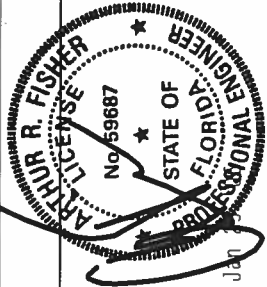
SCAB BRACING:

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



SCAB BRACE

THIS DRAWING REPLACES DRAWING 579,640



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DOWNSIDE DR., SUITE 200, MADISON, WI 53719) AND WTA (WOOD TRUSS COUNCIL, 1000 N. WILSON AVE., SUITE 100, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL TRUSSES SHALL BE DESIGNED TO BE ATTACHED TO STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ASEP) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/S/X) ASTM A653 GRADE 50/50. ALPINE TRUSS PLATES ARE MADE OF 2018/16GA (W/H/S/X) ASTM A653 GRADE 50/50. ON THIS DESIGN, POSITIONING OF PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED BY 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.



ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

TC LL
TC DL
BC DL
BC LL
TOT. LD.
DUR. FAC.
SPACING

PSF
PSF
PSF
PSF
PSF
REF
DATE
DRWG
-ENG
MLH/KAR

CLB SUBST.

11/26/03

BRLBSUB1103

-ENG MLH/KAR