

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: 1SUS487-Z0317131753

Truss Fabricator: Anderson Truss Company
Job Identification: 6-086-PETERSON CONST/WILLIS RD SPEC
Truss Count: 32
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 7-98 -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: A11015EC-GBLLETIN-CNBRGBLK-BRCLBSUB-



Seal Date: 02/17/2006

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

#	Ref	Description	Drawing#	Date
1	53238--	H5A	06048072	02/17/06
2	53239--	A	06048094	02/17/06
3	53240--	BGE	06048073	02/17/06
4	53241--	B1	06048065	02/17/06
5	53242--	B	06048066	02/17/06
6	53243--	BG	06048095	02/17/06
7	53244--	H7C	06048074	02/17/06
8	53245--	H9C	06048075	02/17/06
9	53246--	H11C	06048076	02/17/06
10	53247--	HS7C	06048064	02/17/06
11	53248--	HS9C	06048077	02/17/06
12	53249--	HS11C	06048078	02/17/06
13	53250--	HS13C	06048079	02/17/06
14	53251--	HS15C	06048080	02/17/06
15	53252--	HS17C	06048081	02/17/06
16	53253--	HS19CV	06048082	02/17/06
17	53254--	CV	06048083	02/17/06
18	53255--	HV13C	06048067	02/17/06
19	53256--	HV15C	06048068	02/17/06
20	53257--	HV17V	06048084	02/17/06
21	53258--	HV19C	06048069	02/17/06
22	53259--	DGE	06048085	02/17/06
23	53260--	D	06048070	02/17/06
24	53261--	DG	06048086	02/17/06
25	53262--	EJ7	06048087	02/17/06
26	53263--	CJ5	06048088	02/17/06
27	53264--	HJ7	06048089	02/17/06
28	53265--	CJ3	06048071	02/17/06
29	53266--	HJ5	06048090	02/17/06
30	53267--	CJ1	06048091	02/17/06
31	53268--	EJ7C	06048092	02/17/06
32	53269--	EJ7H	06048093	02/17/06



JOB LOCATION

PETERSON CONSTRUCTION/WILLIS RD SPEC

JOB DESCRIPTION:

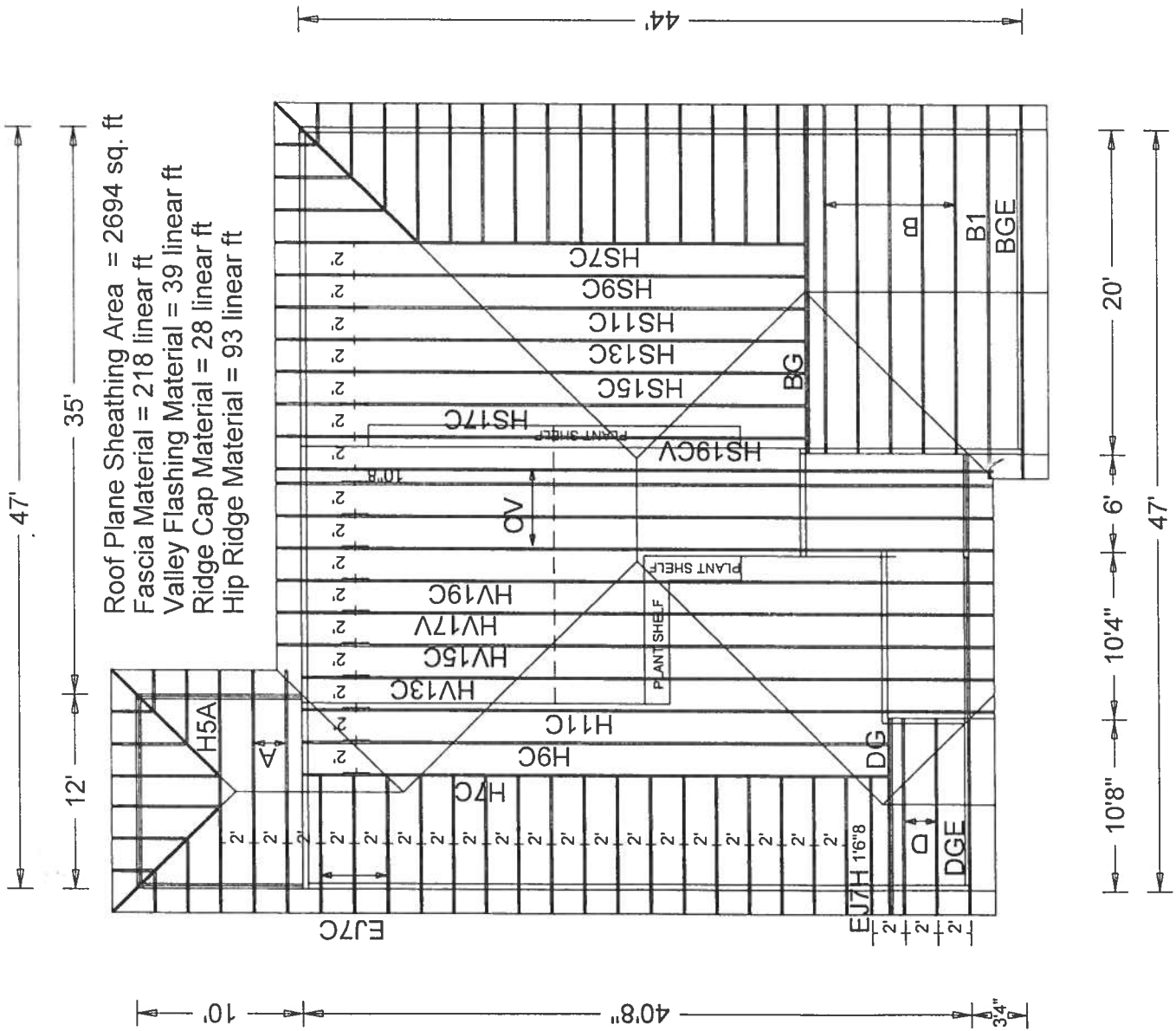
DESIGNED BY:

JOB NO.

6-086

PAGE NO

1 OF 1



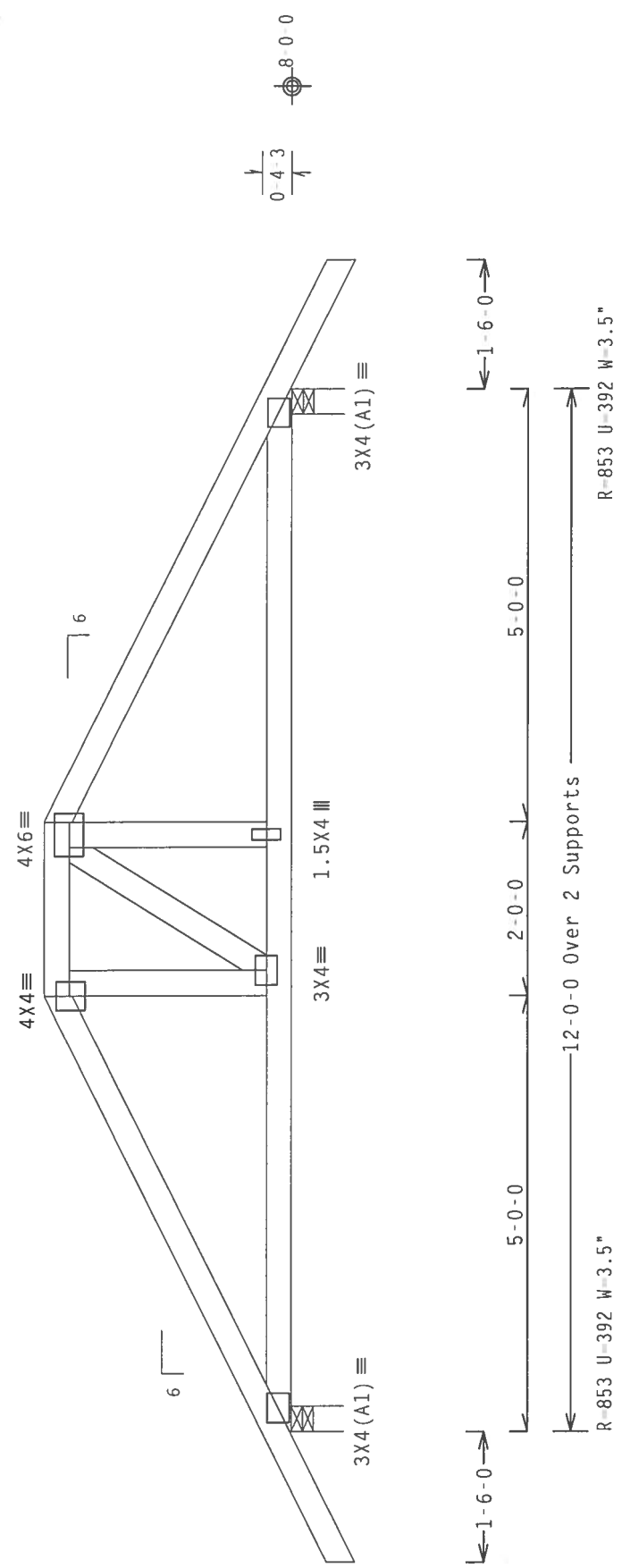
719-6497
623-3307

PETERSON CONSTRUCTION/WILLIS RD SPEC

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=2.8 psf, wind BC DL=2.2 psf.

#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.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

Scale = 5" / Ft.

FL / - 3 / - R / -

REF R487 - 53238

DATE 02/17/06

DRW HCUR487 06048072

HC-ENG JB/AF

SEQN - 128986

JREF - 1SU5487_203

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

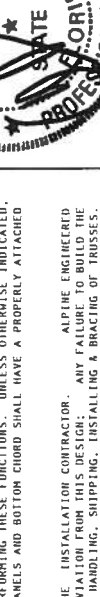
DUR.FAC. 1.25

SPACING SEE ABOVE

Feb 17 '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 INSTITUTE, 583 TOLSON DR., LITTLE ROCK, AR 72205) AND AISC (4000 MARKET STREET, PITTSBURGH, PA 15222) FOR THE LATEST EDITIONS OF THE AISC 360 AND AISC 360M SPECIFICATIONS. THESE SPECIFICATIONS REQUIRE THAT ALL TRUSSES BE DESIGNED TO BE RIGID. THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (M-HI/S-X) ASTM A563 GRADE 40/60 (M, K/M, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. IBCG 2. DRAWING NOTATIONS ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPOUND 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.



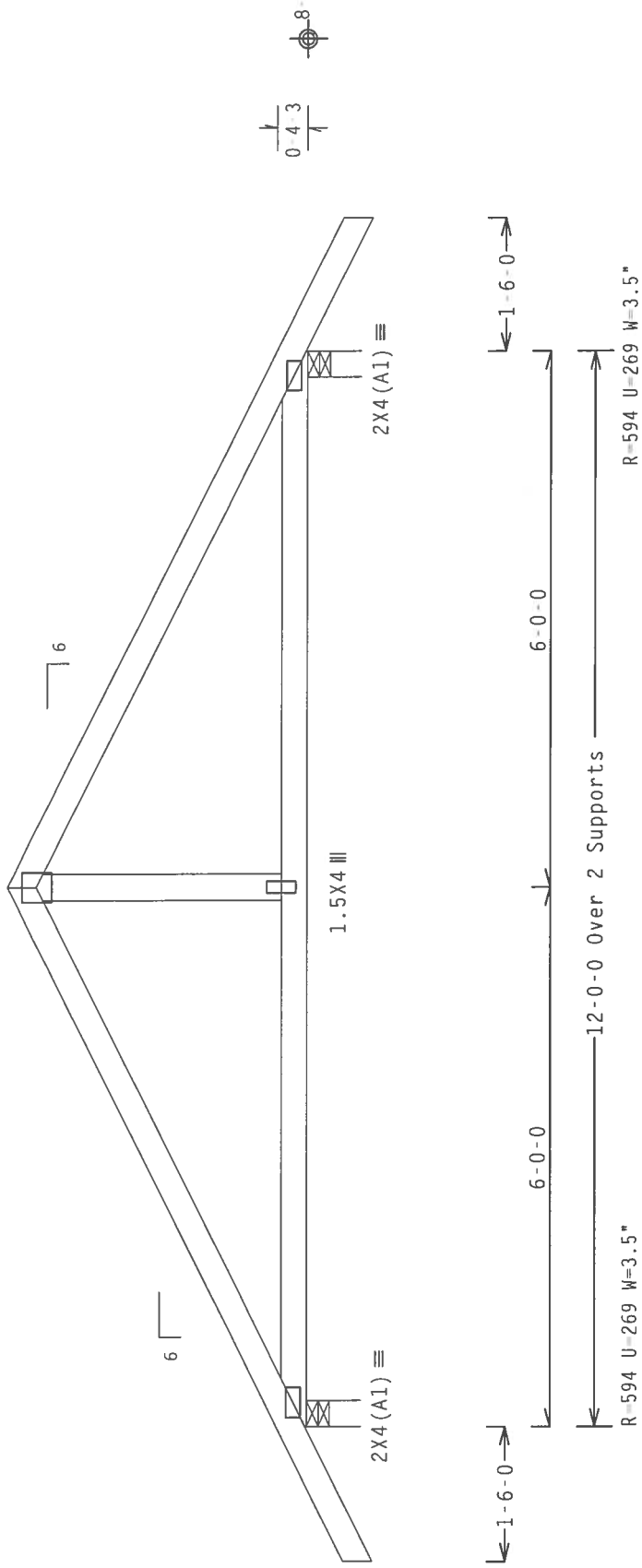
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

Professional Engineer
No. 00887
STATE OF FLORIDA
Feb 17 '06

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.

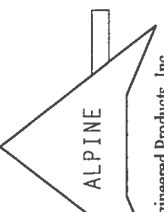


PLT TYP. Wave

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

Scale = .5" / Ft.

TC LL	20.0 PSF	REF R487 -	53239
TC DL	10.0 PSF	DATE	02/17/06
BC DL	10.0 PSF	DRW	HCUSR487 06048094
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN	128990
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SUS487 Z03



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

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****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 APA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N.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 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL-2.8 psf, wind BC DL-2.2 psf.

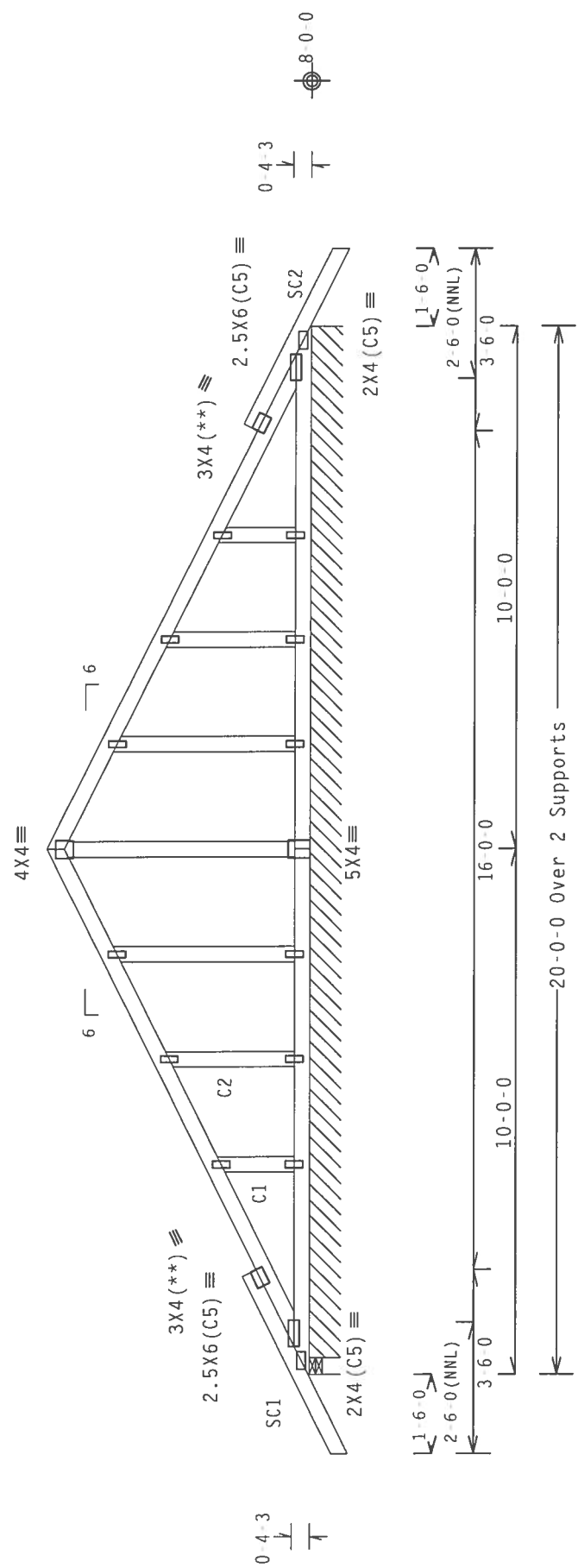
See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

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

(**) Plate relocated as shown.

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

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.
In lieu of structural panels use purlins to brace TC @ 24" OC.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R-181 U=180 W=4"
R-108 PLF U-44 PLF W-19 8-0

Note: All Plates Are 1.5X4 Except As Shown.

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

PLT TYP. Wave Scale = .3125"/Ft.

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FL Certificate of Authorization # 567

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****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 APA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/16GA (W-1/8"/5/8") ASTM A653 GRADE 40/60 (W. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

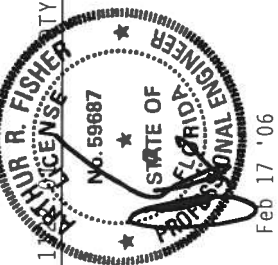
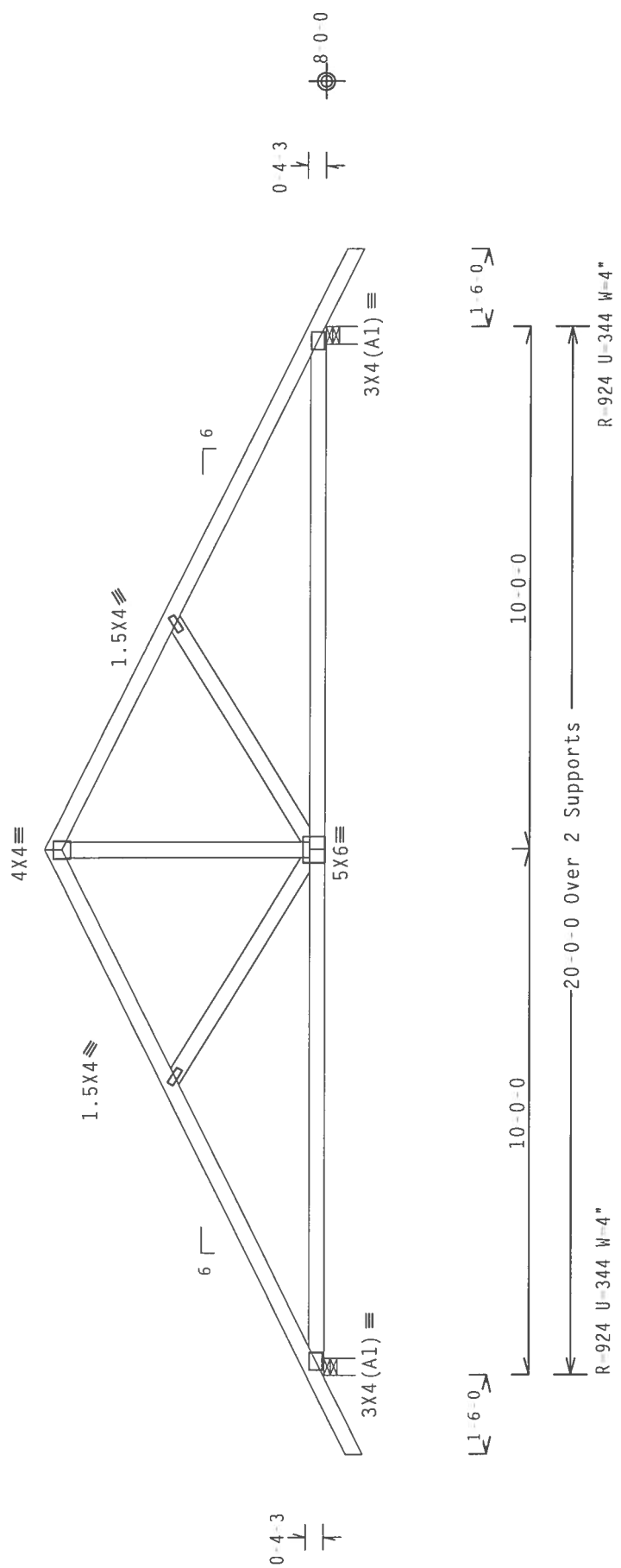
ALPINE

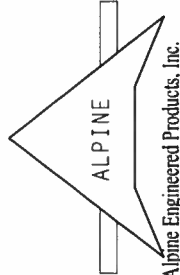
STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 59687
R. FISHER
17 '06

TC LL	20.0 PSF	FL / - / 3 / - / R / -	Scale = .3125" / Ft.
TC DL	10.0 PSF		REF R487 - 53240
BC DL	10.0 PSF		DATE 02/17/06
BC LL	0.0 PSF		DRW HCUSR487 06048073
TOT.LD.	40.0 PSF		HC-ENG JB/AF
DUR.FAC.	1.25		SEQN- 128750
SPACING	SEE ABOVE		JREF- 1SUS487_Z03

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.

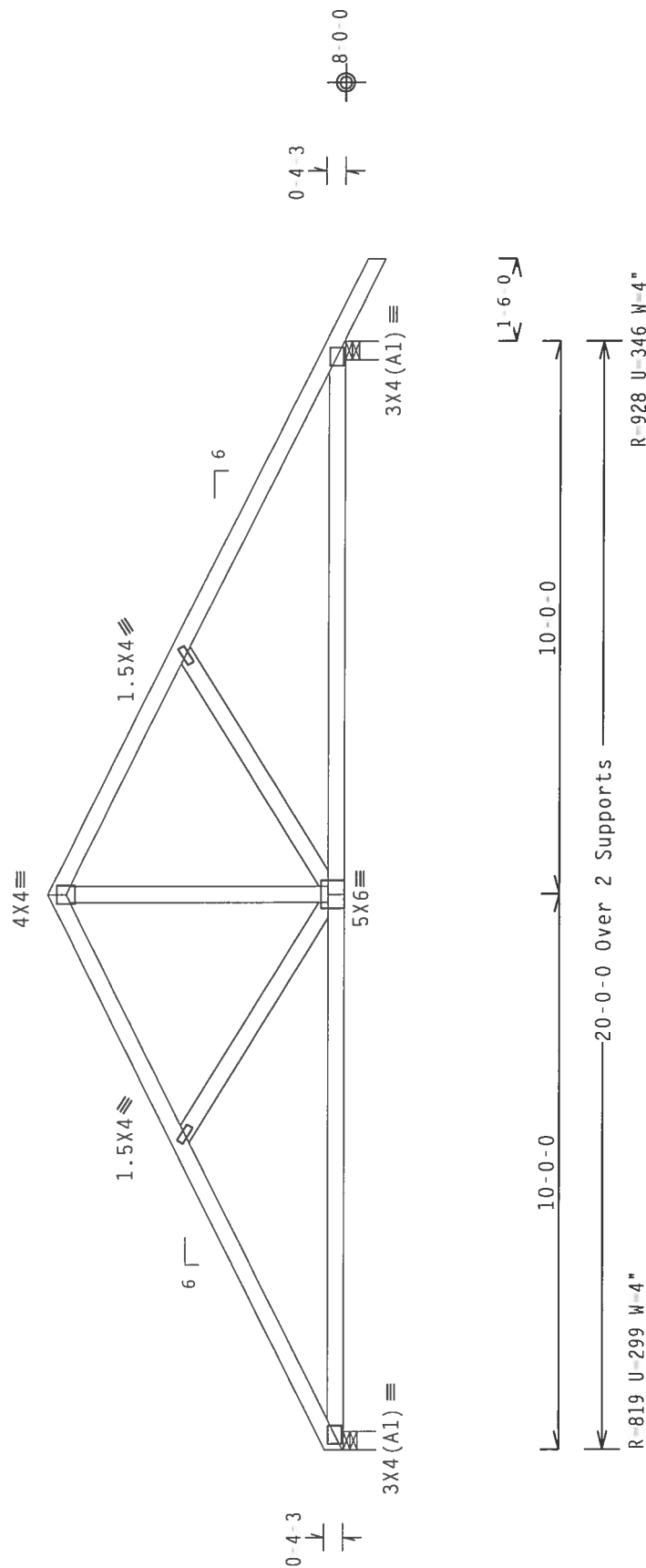


PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)	7.22.11	FL/-3/-/-/R/-	Scale = .3125"/Ft.
 Alpine Engineering Products, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ORRHOLO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE IN. MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL TRUSSES 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 OF THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ALPINE) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 70/18/16GA (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 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.			
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	BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.			SEQN	128759
DUR.FAC.			1.25	
SPACING			24.0"	JREF - 1SUS487_Z03

	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, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



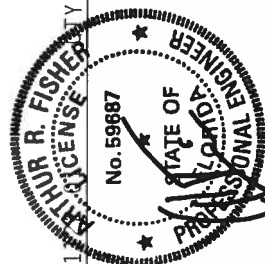
Design Crit: TPI-2002(STD)/FBC

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

Scale = .3125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS I-603 BUILDING COMPONENTS SAFETY INFORMATION PUBLISHED BY THE CRUSS PAULI INSTITUTE, 583 REFER TO BESS I-603 BUILDING COMPONENTS SAFETY INFORMATION PUBLISHED BY THE CRUSS PAULI INSTITUTE, 583 REFER TO BESS I-603 BUILDING COMPONENTS SAFETY INFORMATION PUBLISHED BY THE CRUSS PAULI INSTITUTE, 583
MADISON, WI 53719 FOR MORE DETAILS REGARDING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED,
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SMALL WALL
MEMBER SHALL BE PROPERLY ATTACHED TO TOP CHORD.

*******IMPORTANT******* UNLESS A COPY OF THIS DESIGN IS TURNED IN TO THE INSTALLATION CONTRACTOR, PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING TRUSSES. DESIGN CHANGES WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., FOR A500) AND TPI: ALUMINUM DESIGN CODES (NATIONAL DESIGN SPEC., FOR 6061-T6) SHALL BE THE RESPONSIBILITY OF THE CLIENT. ALL PLATES IN EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2, 100B-2, 100C-2, 100D-2, 100E-2, 100F-2, 100G-2, 100H-2, 100I-2, 100J-2, 100K-2, 100L-2, 100M-2, 100N-2, 100O-2, 100P-2, 100Q-2, 100R-2, 100S-2, 100T-2, 100U-2, 100V-2, 100W-2, 100X-2, 100Y-2, 100Z-2, 100AA-2, 100AB-2, 100AC-2, 100AD-2, 100AE-2, 100AF-2, 100AG-2, 100AH-2, 100AI-2, 100AJ-2, 100AK-2, 100AL-2, 100AM-2, 100AN-2, 100AO-2, 100AP-2, 100AQ-2, 100AR-2, 100AS-2, 100AT-2, 100AU-2, 100AV-2, 100AW-2, 100AX-2, 100AY-2, 100AZ-2, 100BA-2, 100BB-2, 100BC-2, 100BD-2, 100BE-2, 100BF-2, 100BG-2, 100BH-2, 100BI-2, 100BJ-2, 100BK-2, 100BL-2, 100BM-2, 100BN-2, 100BO-2, 100BP-2, 100BQ-2, 100BR-2, 100BS-2, 100BT-2, 100BU-2, 100BV-2, 100BW-2, 100BX-2, 100BY-2, 100BZ-2, 100CA-2, 100CB-2, 100CC-2, 100CD-2, 100CE-2, 100CF-2, 100CG-2, 100CH-2, 100CI-2, 100CJ-2, 100CK-2, 100CL-2, 100CM-2, 100CN-2, 100CO-2, 100CP-2, 100CQ-2, 100CR-2, 100CS-2, 100CT-2, 100CU-2, 100CV-2, 100CW-2, 100CX-2, 100CY-2, 100CZ-2, 100DA-2, 100DB-2, 100DC-2, 100DD-2, 100DE-2, 100DF-2, 100DG-2, 100DH-2, 100DI-2, 100DJ-2, 100DK-2, 100DL-2, 100DM-2, 100DN-2, 100DO-2, 100DP-2, 100DQ-2, 100DR-2, 100DS-2, 100DT-2, 100DU-2, 100DV-2, 100DW-2, 100DX-2, 100DY-2, 100DZ-2, 100EA-2, 100EB-2, 100EC-2, 100ED-2, 100EE-2, 100EF-2, 100EG-2, 100EH-2, 100EI-2, 100EJ-2, 100EK-2, 100EL-2, 100EM-2, 100EN-2, 100EO-2, 100EP-2, 100EQ-2, 100ER-2, 100ES-2, 100ET-2, 100EU-2, 100EV-2, 100EW-2, 100EX-2, 100EY-2, 100EZ-2, 100FA-2, 100FB-2, 100FC-2, 100FD-2, 100FE-2, 100FF-2, 100FG-2, 100FH-2, 100FI-2, 100FJ-2, 100FK-2, 100FL-2, 100FM-2, 100FN-2, 100FO-2, 100FP-2, 100FQ-2, 100FR-2, 100FS-2, 100FT-2, 100FU-2, 100FV-2, 100FW-2, 100FX-2, 100FY-2, 100FZ-2, 100GA-2, 100GB-2, 100GC-2, 100GD-2, 100GE-2, 100GF-2, 100GG-2, 100GH-2, 100GI-2, 100GJ-2, 100GK-2, 100GL-2, 100GM-2, 100GN-2, 100GO-2, 100GP-2, 100GQ-2, 100GR-2, 100GS-2, 100GT-2, 100GU-2, 100GV-2, 100GW-2, 100GX-2, 100GY-2, 100GZ-2, 100HA-2, 100HB-2, 100HC-2, 100HD-2, 100HE-2, 100HF-2, 100HG-2, 100HH-2, 100HI-2, 100HJ-2, 100HK-2, 100HL-2, 100HM-2, 100HN-2, 100HO-2, 100HP-2, 100HQ-2, 100HR-2, 100HS-2, 100HT-2, 100HU-2, 100HV-2, 100HW-2, 100HX-2, 100HY-2, 100HZ-2, 100IA-2, 100IB-2, 100IC-2, 100ID-2, 100IE-2, 100IF-2, 100IG-2, 100IH-2, 100II-2, 100IJ-2, 100IK-2, 100IL-2, 100IM-2, 100IN-2, 100IO-2, 100IP-2, 100IQ-2, 100IR-2, 100IS-2, 100IT-2, 100IU-2, 100IV-2, 100IW-2, 100IX-2, 100IY-2, 100IZ-2, 100JA-2, 100JB-2, 100JC-2, 100JD-2, 100JE-2, 100JF-2, 100JG-2, 100JH-2, 100JI-2, 100JJ-2, 100JK-2, 100JL-2, 100JM-2, 100JN-2, 100JO-2, 100JP-2, 100JQ-2, 100JR-2, 100JS-2, 100JT-2, 100JU-2, 100JV-2, 100JW-2, 100JX-2, 100JY-2, 100JZ-2, 100KA-2, 100KB-2, 100KC-2, 100KD-2, 100KE-2, 100KF-2, 100KG-2, 100KH-2, 100KI-2, 100KJ-2, 100KK-2, 100KL-2, 100KM-2, 100KN-2, 100KO-2, 100KP-2, 100KQ-2, 100KR-2, 100KS-2, 100KT-2, 100KU-2, 100KV-2, 100KW-2, 100KX-2, 100KY-2, 100KZ-2, 100LA-2, 100LB-2, 100LC-2, 100LD-2, 100LE-2, 100LF-2, 100LG-2, 100LH-2, 100LI-2, 100LJ-2, 100LK-2, 100LL-2, 100LM-2, 100LN-2, 100LO-2, 100LP-2, 100LQ-2, 100LR-2, 100LS-2, 100LT-2, 100LU-2, 100LV-2, 100LW-2, 100LX-2, 100LY-2, 100LZ-2, 100MA-2, 100MB-2, 100MC-2, 100MD-2, 100ME-2, 100MF-2, 100MG-2, 100MH-2, 100MI-2, 100MJ-2, 100MK-2, 100ML-2, 100MM-2, 100MN-2, 100MO-2, 100MP-2, 100MQ-2, 100MR-2, 100MS-2, 100MT-2, 100MU-2, 100MV-2, 100MW-2, 100MX-2, 100MY-2, 100MZ-2, 100NA-2, 100NB-2, 100NC-2, 100ND-2, 100NE-2, 100NF-2, 100NG-2, 100NH-2, 100NI-2, 100NJ-2, 100NK-2, 100NL-2, 100NM-2, 100NN-2, 100NO-2, 100NP-2, 100NQ-2, 100NR-2, 100NS-2, 100NT-2, 100NU-2, 100NV-2, 100NW-2, 100NX-2, 100NY-2, 100NZ-2, 100OA-2, 100OB-2, 100OC-2, 100OD-2, 100OE-2, 100OF-2, 100OG-2, 100OH-2, 100OI-2, 100OJ-2, 100OK-2, 100OL-2, 100OM-2, 100ON-2, 100OO-2, 100OP-2, 100OQ-2, 100OR-2, 100OS-2, 100OT-2, 100OU-2, 100OV-2, 100OW-2, 100OX-2, 100OY-2, 100OZ-2, 100PA-2, 100PB-2, 100PC-2, 100PD-2, 100PE-2, 100PF-2, 100PG-2, 100PH-2, 100PI-2, 100PJ-2, 100PK-2, 100PL-2, 100PM-2, 100PN-2, 100PO-2, 100PP-2, 100PQ-2, 100PR-2, 100PS-2, 100PT-2, 100PU-2, 100PV-2, 100PW-2, 100PX-2, 100PY-2, 100PZ-2, 100QA-2, 100QB-2, 100QC-2, 100QD-2, 100QE-2, 100QF-2, 100QG-2, 100QH-2, 100QI-2, 100QJ-2, 100QK-2, 100QL-2, 100QM-2, 100QN-2, 100QO-2, 100QP-2, 100QQ-2, 100QR-2, 100QS-2, 100QT-2, 100QU-2, 100QV-2, 100QW-2, 100QX-2, 100QY-2, 100QZ-2, 100RA-2, 100RB-2, 100RC-2, 100RD-2, 100RE-2, 100RF-2, 100RG-2, 100RH-2, 100RI-2, 100RJ-2, 100RK-2, 100RL-2, 100RM-2, 100RN-2, 100RO-2, 100RP-2, 100



Feb 17 '06

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

FL. Certificate of Authorization # S67
Haines City, FL 33844

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense :B2 2x6 SP #2:
Webs 2x4 SP #3 :W5 2x4 SP #2 Dense:
:LT Wedge 2x4 SP #3:

SPECIAL LOADS

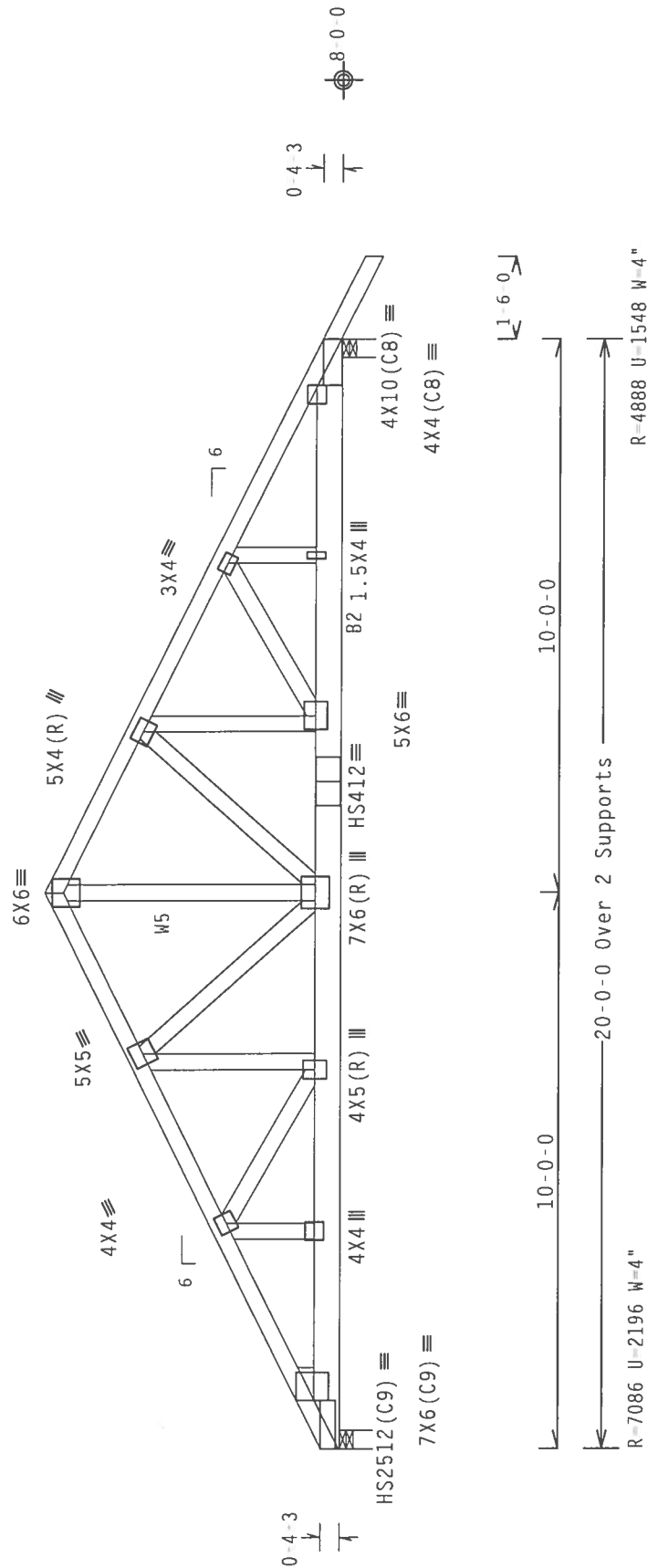
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)		
HTC	From 62 PLF at 0.00 to 62 PLF at 21.50	
BC	From 20 PLF at 0.00 to 20 PLF at 21.50	
8BC	From 4 PLF at 20.00 to 4 PLF at 21.50	
8BC	1263 LB Conc. Load at 0.94	
BC	1254 LB Conc. Load at 2.94	4.94, 6.94, 8.94, 10.94
BC	2694 LB Conc. Load at 12.94	

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Common (0.148"x3", min.)_nails)
 Top Chord: 1 Row @ 12.00" o.c.
 Bot Chord: 1 Row @ 3.75" 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 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

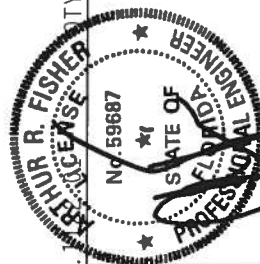


Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS.Wave

Scale = .3125"/Ft.

TC LL	20.0	PSF	REF	R487 -- 53243
TC DL	10.0	PSF	DATE	02/17/06
BC DL	10.0	PSF	DRW	HCUSR487 06048095
BC LL	0.0	PSF	HC-ENG	JB/AF
TOT.LD.	40.0	PSF	SEQN-	128837
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1SUS487 Z03



Alpine Engineered Products, Inc.

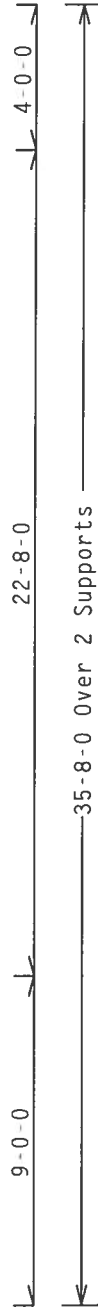
1950 Marley Drive
Haines City, FL 33844

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	

Right end vertical not exposed to wind pressure.

than indicated. Refer to manufacturer publication for additional information.



R=1463 U-438 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 (2)2X6 min. So.Pine

Scale = .1875" / Ft.

FL/-/3/-/-/R/-

TC	LL	DL	PSF	REF	DATE
			20.0	R487--	02/17/06
			10.0		

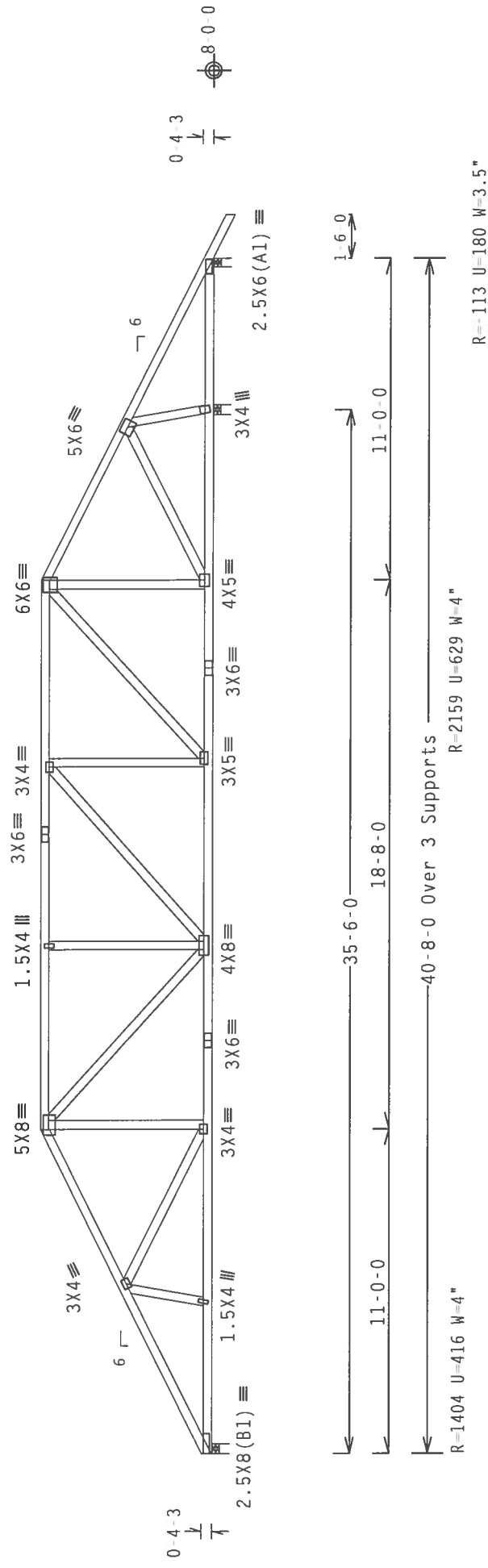
DRW	HCUSR48/	06048079
BC DL	10.0	PSF
BC LL	0.0	PSF
TOT.LD.	40.0	PSF
DUR.FAC.	1.25	
SPACING	24.0"	
HC-ENG	JB/AF	
SEQN-	128899	
JREF-	1SUS487	Z03

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

110 mph wind, 15.00 ft mean hgt, ASCE 7 98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL-2.8 psf, wind BC DL-2.2 psf.

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

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.14

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487--	53246
TC DL	10.0 PSF	DATE	02/17/06	
BC DL	10.0 PSF	DRW	HCUSR487	06048076
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	128921	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SUS487_Z03	

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. REFER TO BC511.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'CHORRIS 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, ALL TRUSSES 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 FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY APA) AND TPI. ALPINE 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 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

PROFESSIONAL ENGINEER

STATE OF FLORIDA

REGISTERED

NO. 59687

EXPIRATION DATE 12/31/06

SEAL

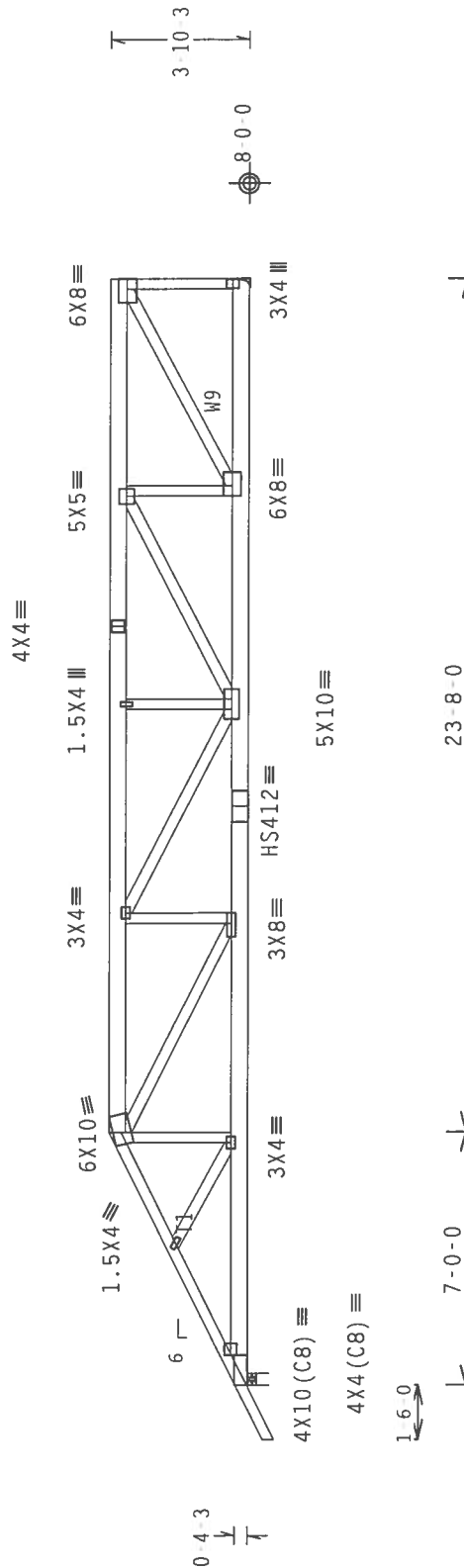
Top chord 2x6 SP #1 Dense : T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 : W9 2x4 SP #2 Dense:

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 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 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.



$R = 2598$ $U = 766$ $W = 4''$

30-8-0 Over 2 Supports

R=2694 U=777 H=Simpson HUS26

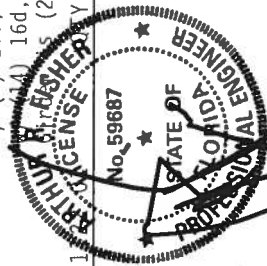
w/ (4) 16d, 0.162"x2.5" nails in Truss
w/ (14) 16d, 0.162"x2.5" nails in Girder
Plywood (2) 2X6 min. So. Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS, Wave

WARNING: THUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO REG. 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION, 11901 Rte. 583, D-000610, OR -SULLIV 2ND, MADISON, WI 53719, AND NFPA 4000, TRUSS COUNCIL OF AMERICA, 6000 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.

* * * INCORPORATE A COPY OF THIS DESIGN TO BE INSTALLATION CONTRACTOR. ALPINE ENGINEERS
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.
CONNECTIONS TO BE MADE PER TPI DRAWINGS (TPI-001) AND TPI SPECIFICATIONS (TPI-SPEC-001). ALL STEEL
CONNECTOR PLATES ARE MADE OF 20/18/16GA. W/2X12 W/2X12 W/2X12 W/2X12 W/2X12 W/2X12 W/2X12 W/2X12
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 2020 SEC.3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
OF THIS PROJECT. NO OTHER PART OF THIS CONTRACT FOR ANY BUILDING IS TO BE THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANNEX A1 P1 1 SEC.2.



Alpine Engineered Products, Inc.

1950 Marley Drive
Haines City, FL 33844

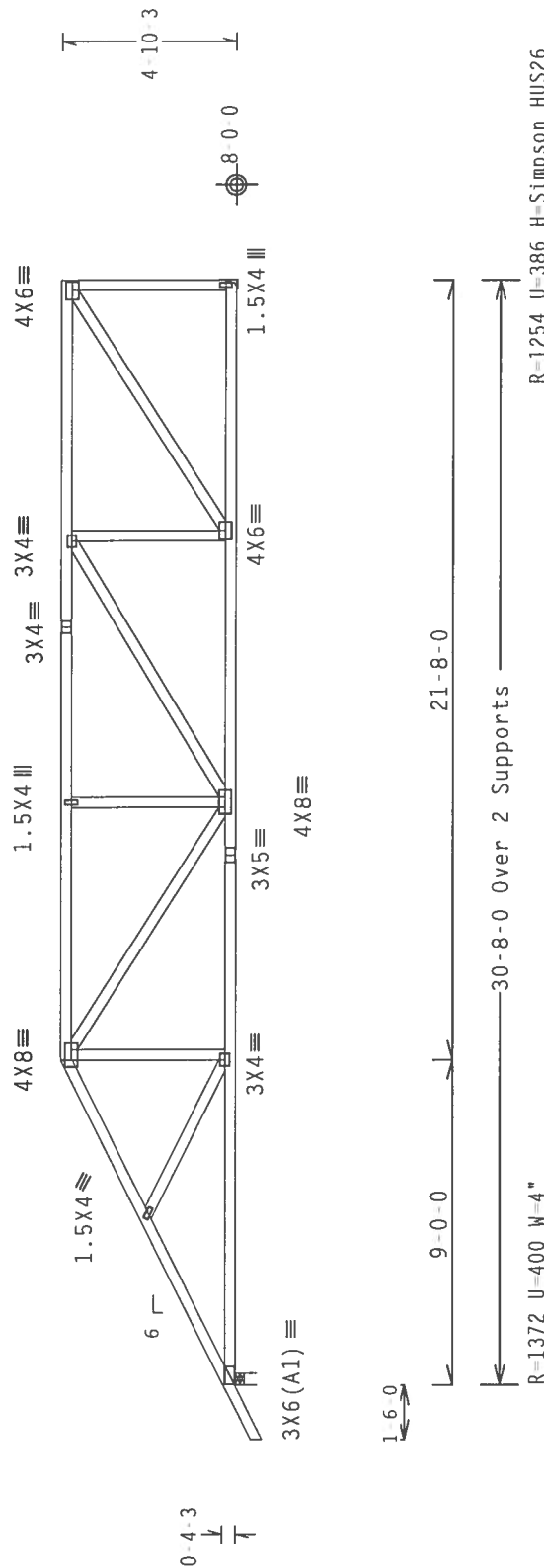
FL Certificate of Authorization # 567

TC LL	20.0 PSF	REF	R487 -	53247
TC DL	10.0 PSF	DATE	02/17/06	
BC DL	10.0 PSF	DRW	HCUSR487	06048064
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEON-	128776	
DUR.FAC.	1.25			
SPACING	SEE ABOVE	UREF-	1SU5487	Z03

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.

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



R-1254 U=386 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
 Bracing is (2)2x6 min. So.Pine

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

Scale = 1875"/Ft.

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

PLT TYP. Wave

TC LL	20.0	PSF	REF	R487 - -	53248
TC DL	10.0	PSF	DATE	02/17/06	
BC DL	10.0	PSF	DRW	HCUSR487 06048077	
BC LL	0.0	PSF	HC-ENG JB/AF		
TOT.LD.	40.0	PSF	SEQN-	128791	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SUS487 Z03	

[illegible]

WARNING TRUSSES REQUIRE EXTREME CARE IN THE FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES TO BE USED FOR ANY BUILDING COMPONENT. SAFETY INFORMATION PUBLISHED BY TPI TRUSS PANELS, INC., IS REFERRED TO AS TPI TRUSS PANELS INFORMATION. PUBLISHED BY TPI TRUSS PANELS, INC., 1000 WILSON DRIVE, SUITE 200, MADISON, WI 53719, AND MICA GOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****TYPURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIAA) AND ALPINE CONNECTION PLATES ARE MADE OF 20X19X16GA (20X19X16) ASTM A653 GRADE 40/500 (M, F415-50) GALV. STEEL. APPLY MINIMUM OF TWO (2) COATS OF PRIMER TO ALL EXPOSED SURFACES. THERE SHALL BE NO MORE THAN ONE (1) 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 DESIGNING DESIGNER PER ANSI/TPI 1 SEC. 2.

Professional Engineer Seal for the State of Florida, No. 59687, signed by Robert J. Berman, dated Feb '06.

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

FL. Certificate of Authorization # 567
Haines City, FL 33844

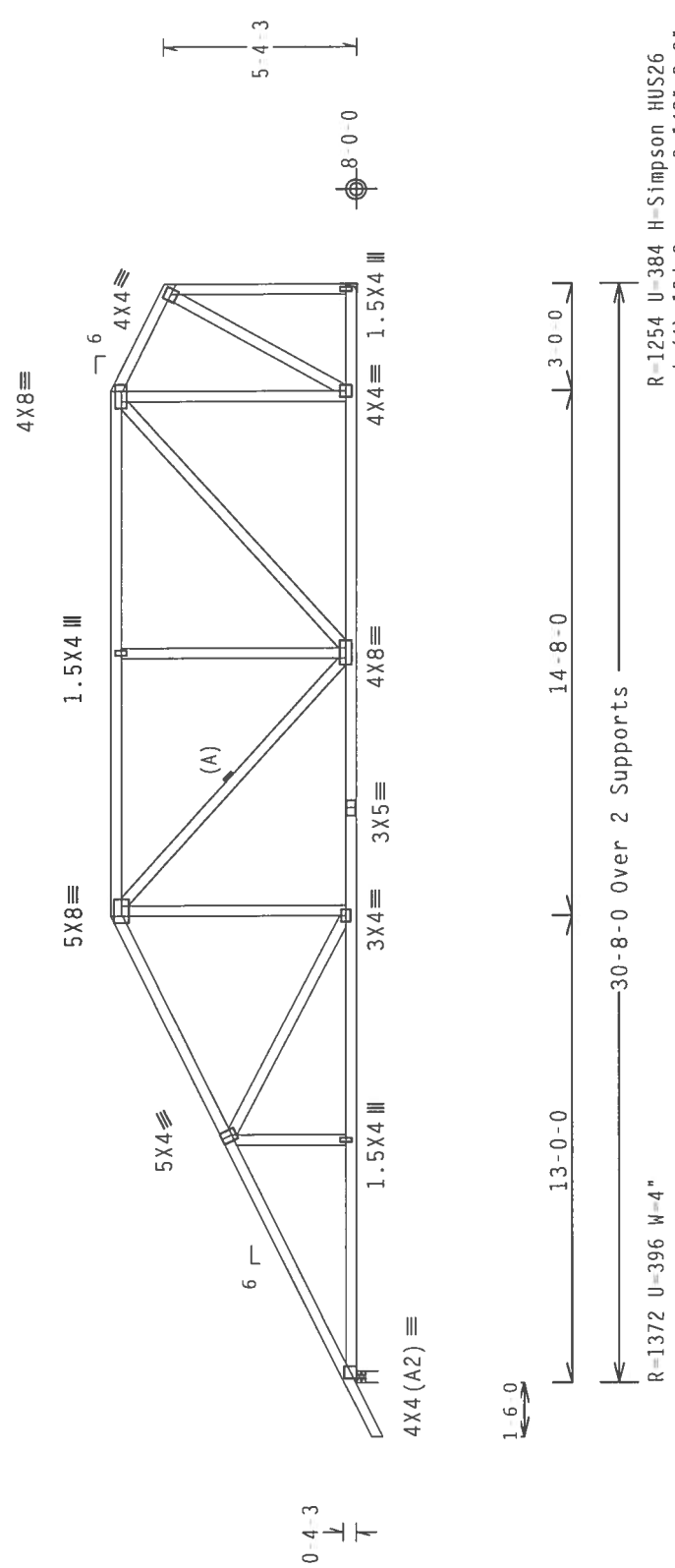
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt. ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-2.8 psf, wind BC DL-2.2 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.

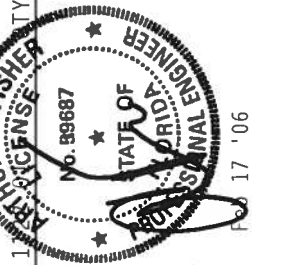
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



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

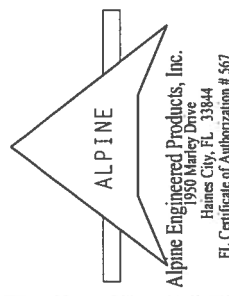
R-1254 U-384 H-Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
is (2)2X6 min. So.Pine

TC LL	20.0 PSF	REF	R487 -	53250
TC DL	10.0 PSF	DATE	02/17/06	
BC DL	10.0 PSF	DRW	HCUSR487	06048079
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	128807	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SUS487_Z03	



****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, 983 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND NCA (NATIONAL 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.

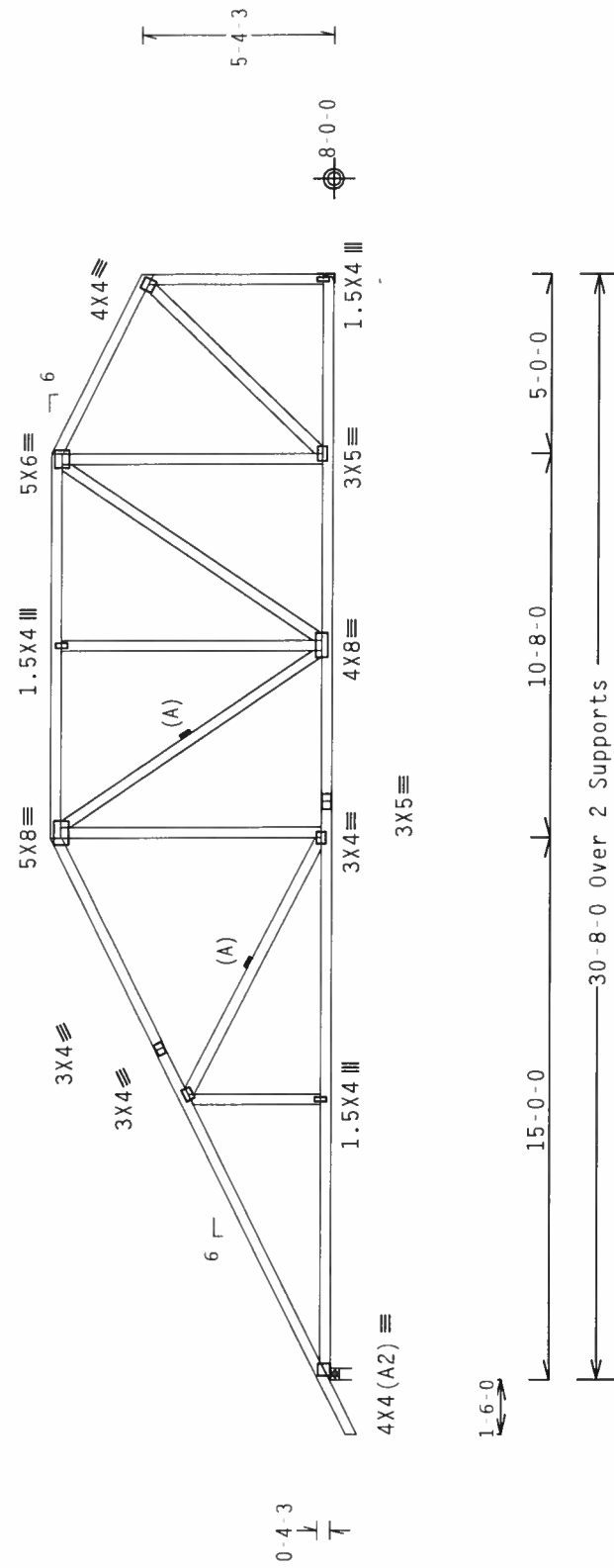
****IMPORTANT**** UNLESS A COPY OF THIS DESIGN IS THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES IN CONFORMANCE WITH TPI. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY APA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W, H, S) ASTM A653 GRADE 40/60 (W, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

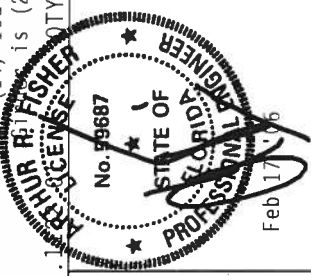
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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



R=1254 U=382 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
is (2)2X6 min. So.Pine

TC LL	20.0 PSF	REF	R487--	53251
TC DL	10.0 PSF	DATE	02/17/06	
BC DL	10.0 PSF	DRW	HCUSR487	06048080
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	128814	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SUS487	_203



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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 HUNTER RD., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR ADDITIONAL INFORMATION. THESE TRUSSES ARE DESIGNED TO BE USED IN CONFORMANCE WITH THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ATAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N.H/5/K) ASTM A653 GRADE 40/60 (W. K/H-5) 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 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.
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

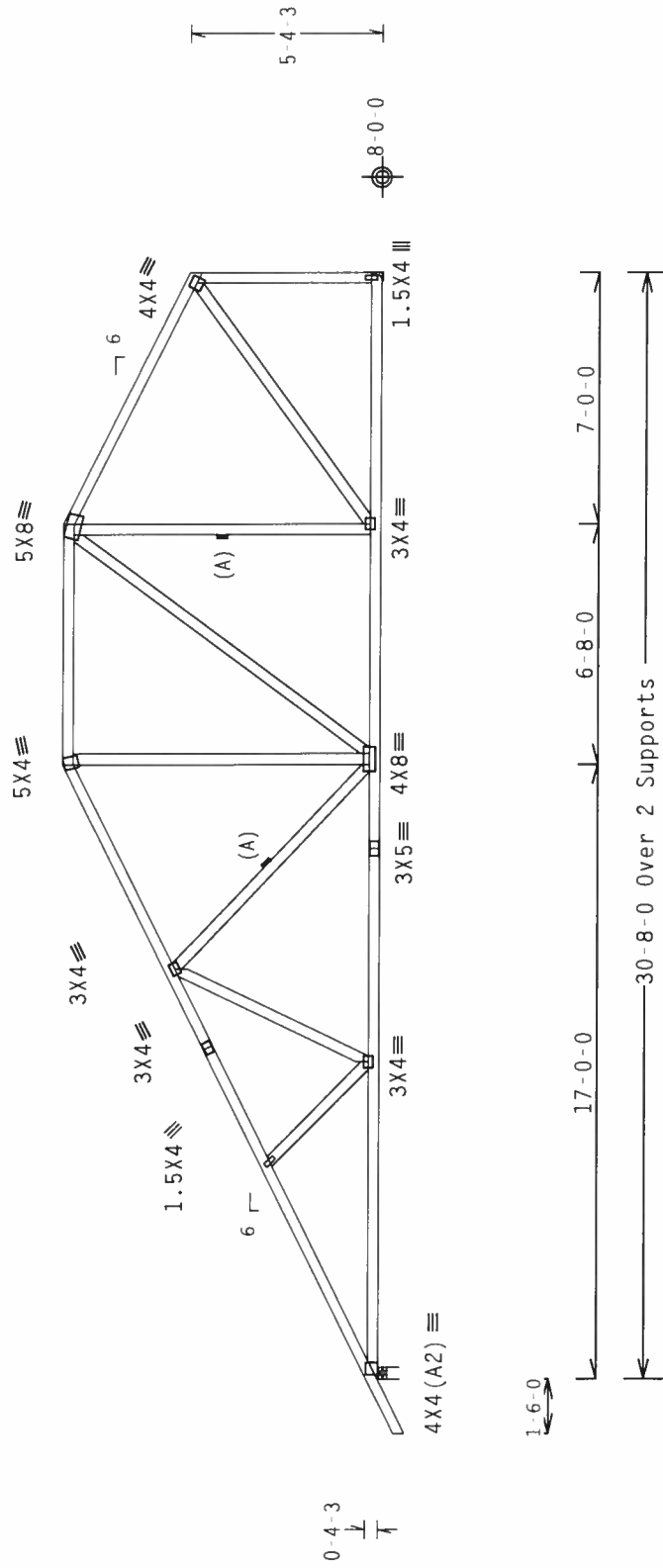
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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=1254 U=381 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
is (2)2X6 min. So.Pine

Scale = .1875"/Ft.

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

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS IS THE PROPERTY OF ALPINE ENGINEERED PRODUCTS, INC. AND IS TO BE USED ONLY FOR THE PURPOSES SPECIFIED IN THE DRAWINGS. THE TRUSS IS NOT TO BE USED FOR ANY OTHER PURPOSES. THE TRUSS IS NOT TO BE USED FOR ANY OTHER PURPOSES. THE TRUSS IS NOT TO BE USED FOR ANY OTHER PURPOSES.

****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/AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-11/5/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 (C) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

RETURN TO: R. FISHER
LICENSE NO. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Feb 17 '06

TC LL	20.0 PSF	REF	R487--	53252
TC DL	10.0 PSF	DATE	02/17/06	
BC DL	10.0 PSF	DRW	HCUSR487	06048081
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEON	128822	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SUS487	Z03

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

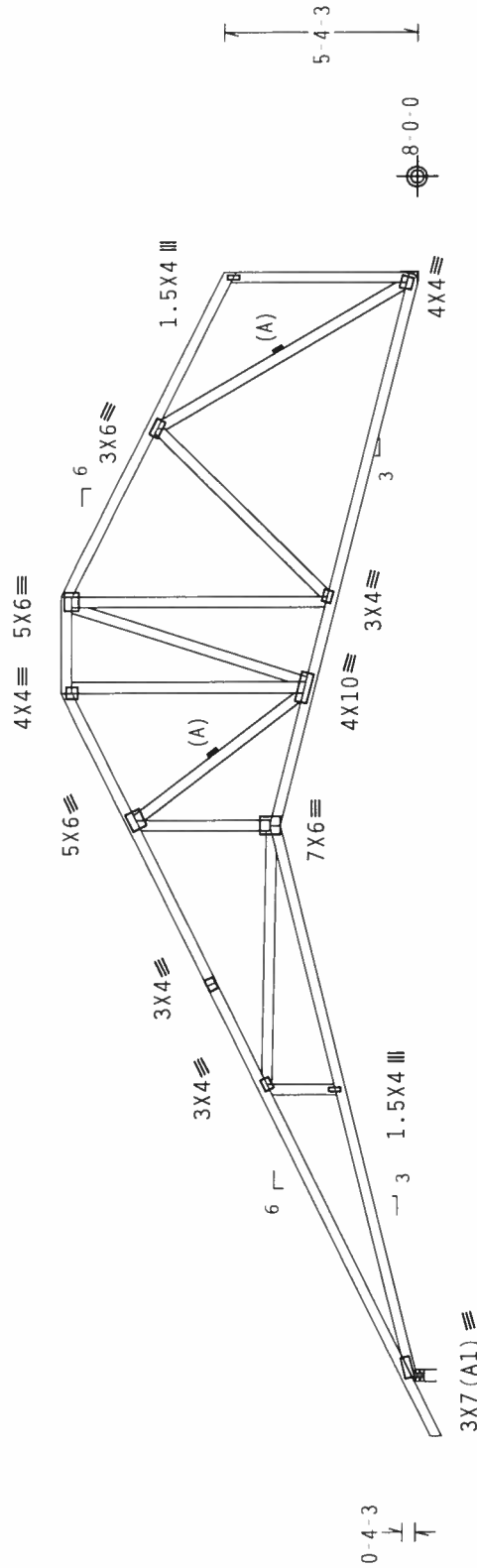
Right end vertical not exposed to wind pressure.

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.

Calculated horizontal deflection is 0.16" due to live load and 0.25" 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.



1-6-0

$19-0-0$
 $15-4-0$
 $2-8-0$
 $15-4-0$
 $9-0-0$
 30-8-0 Over 2 Supports

R=1382 U=391 W=4^H

R=1263 U=376 H=Simpson HUS26

W/ (4) 10d Common, 0.148"x3.0" nails in Truss
(14) 10d Common, 0.148"x3.0" nails in Girder
Roofing is (2) 2X6 min. So. Pine

Scale = .1875"/Ft.

Design Crit: TPI-2002(STD)/FBC

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

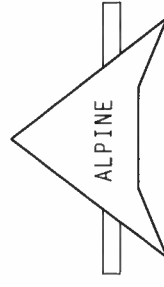
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[illegible]

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ALPINE ENGINEERING PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP-1 OR FABRICATING, HANDLING, SPLICING, INSTALLING AND BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TP-1. ALL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER Annex A3 of TP-1 2902 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT MANUFACTURED HEREON. SUBSEQUENT USE OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER CONSULTANT SIGNATURE

PLT TYP. Wave



Alpine Engineered Products, Inc.

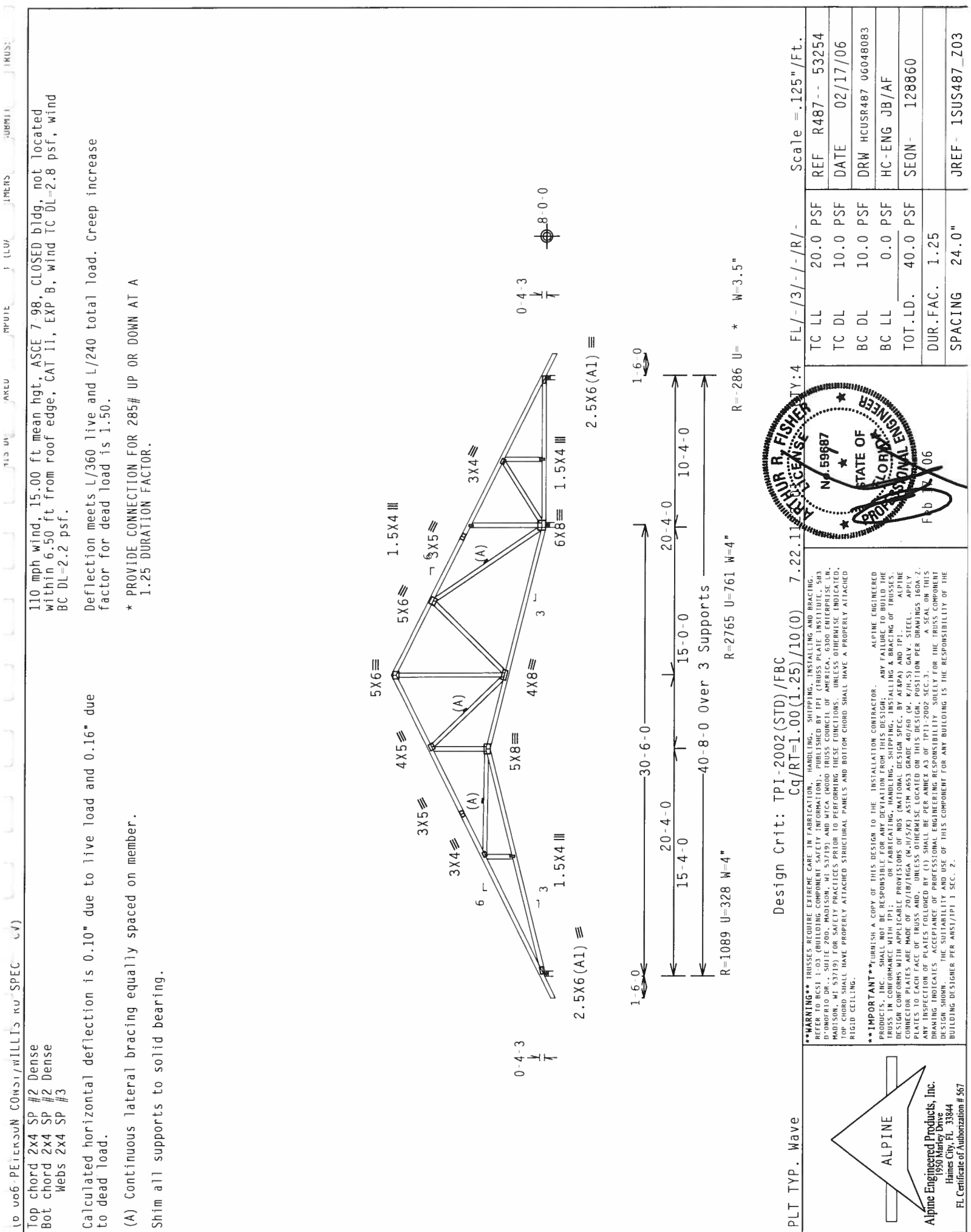
1950 Marley Drive
Haines City, FL 33844

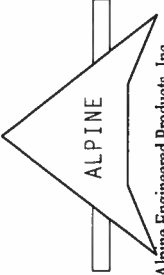
FL Certificate of Authorization # 567



Feb 17, '06

TC LL	20.0 PSF	REF	R487 --	53253
TC DL	10.0 PSF	DATE	02/17/06	
BC DL	10.0 PSF	DRW	HCUSR487	06040802
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	128830	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SUS487	Z03



PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.22.11	Scale = .125"/Ft.
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSD 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 MADISON AVE., SUITE 200, MADISON, WI 53719 FOR ALL TRUSS FABRICATION, SHIPPING, INSTALLING AND BRACING REQUIREMENTS. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.	TY: 4	FL/-/3/-/-/R/-
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PSA) 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-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.	TC LL	20.0 PSF
	TC DL	10.0 PSF
Alpine Engineered Products, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	BC DL	10.0 PSF
	BC LL	0.0 PSF
	TOT.LD.	40.0 PSF
	DUR.FAC.	1.25
	SPACING	24.0"
	REF	R487-- 53254
	DATE	02/17/06
	DRW	HCUSR487 06048083
	HC-ENG	JB/AF
	SEQN	128860
	JREF	1SUS487_Z03

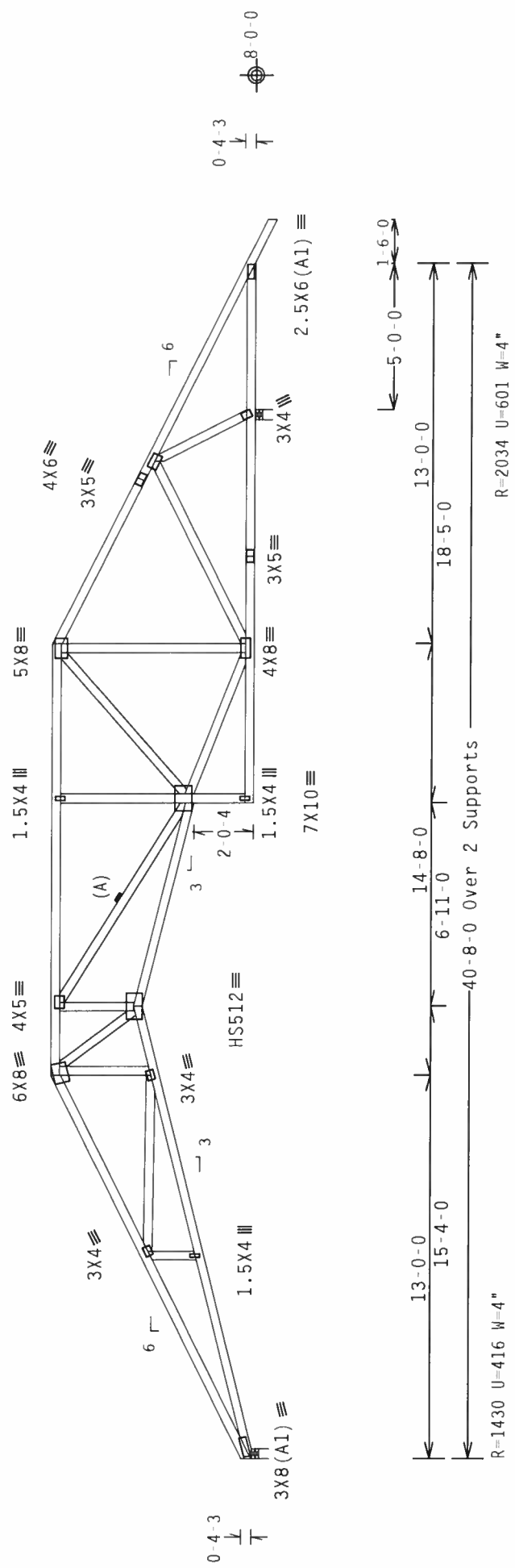
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Calculated horizontal deflection is 0.23" due to live load and 0.36" 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.



PLT TYP. 20 Gauge HS, Wave

Design Crit: TPI-2002(STD)/FBC

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

Scale = .1875"/Ft.

REF R487-- 53255

DATE 02/17/06

DRW HCUSR487 06048067

HC-ENG JB/AF

SEON- 128929

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1SUS487_Z03

Feb 11 '06

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. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 D. O'NEILL DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, SUITE 100, 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 A PROPERLY ATTACHED RIGID CEILING.

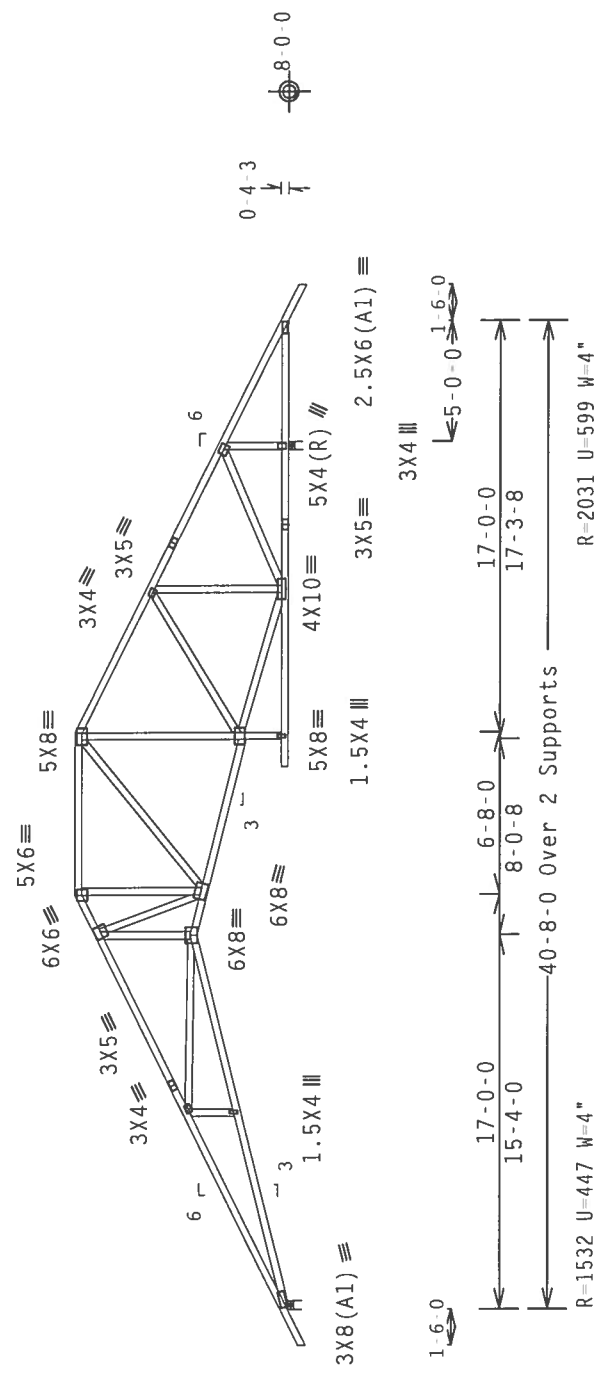
IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OF THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS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

	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, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

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

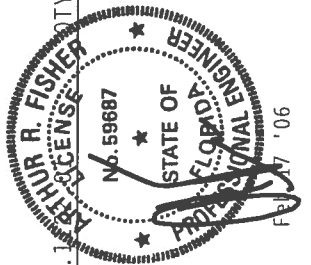
Design Crit: TPI-2002(STD)/FBC
 $\text{Cq/RT}=1.00(1.25)/$

R. FISHER
MEMBER
LICENSE
NO. 10789
QTY: 1 FL / - 3 / - / R / - Scale = .125" / Ft.

TC LL	20.0	PSF	REF	R487	53257
TC DL	10.0	PSF	DATE	02/17/06	
BC DL	10.0	PSF	DRW	HCUSR487	06048084
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT. LD.	40.0	PSF	SEQN	128972	
DUR. FAC.	1.25				
SPACING	24.0	"	JREF	1SUS487	Z03

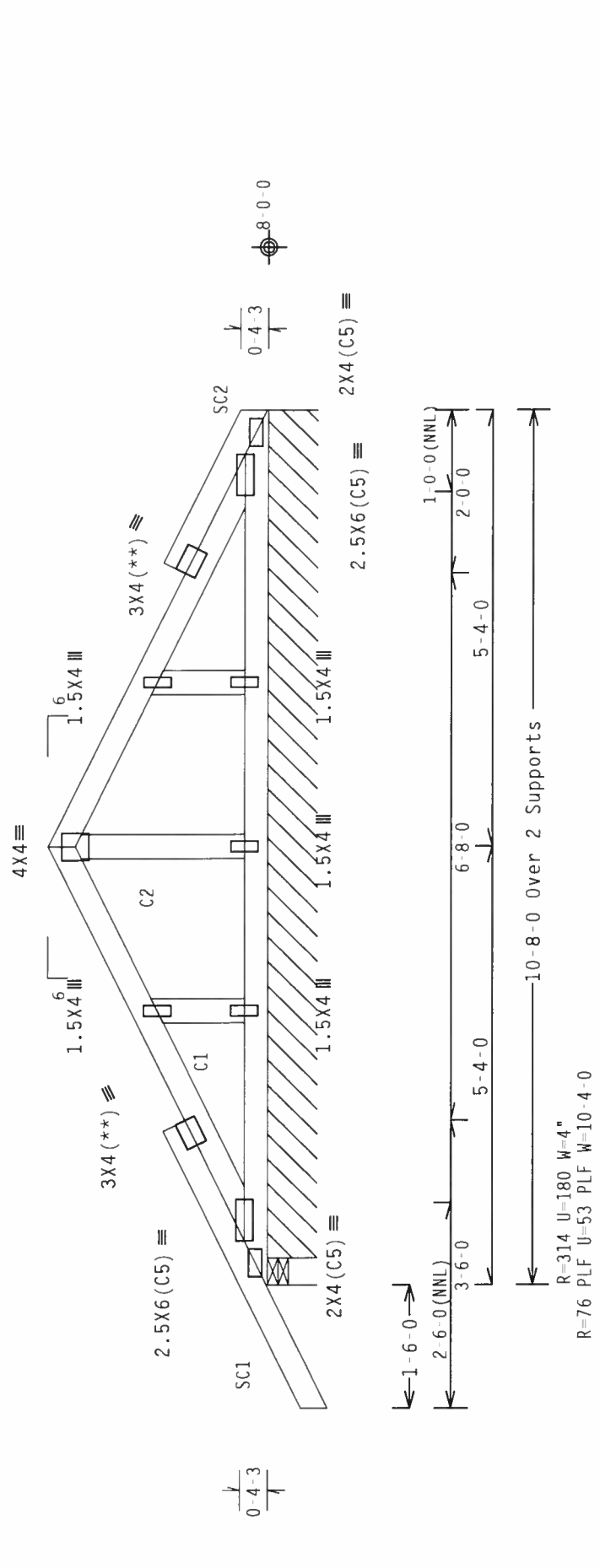
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PACE INSTITUTE, 583 D'OROTHIO DR., SUITE 200, MADISON, WI 53719), AND TICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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 DESIGN CONCERNS WITH APPLICABLE PROVISIONS REGARDING, SUCH AS, INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATES ARE MADE OF 2018/16GA. (H 1/2X1/8) ASTM A663 GRADE 40/60, 16 K/150 GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IPI1 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 ANNEX IPI1 SEC. 2.



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

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers.
Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.
In lieu of structural panels use purlins to brace TC @ 24" OC.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

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 - - 53259
TC DL	10.0 PSF	DATE 02/17/06
BC DL	10.0 PSF	DRW HCUSR487 06048085
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 128736
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF 1SUS487 Z03

ALPINE
Engineered Products, Inc.
1930 N. Main St.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER
No. 59687
STATE OF FLORIDA
Professional Engineer
Feb 7 '06

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D-ONORRILL DR., SUITE 200, MADISON, WI 53719) AND WCA (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 BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND FOR THE INSTALLATION OF THE TRUSS. THE TRUSS IN CONFORMANCE WITH TPI-2002 (STD) /FBC. THE TRUSS SHALL BE FABRICATED, HANDLING, SHIPPING, BY ATRAP AND TPI. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ATRAP) AND TPI. CONNECTOR PLATES ARE MADE OF 20/10/16GA (H/H/S/K) ASTM A653 GRADE 40/60 (H, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC 2

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) 7.22.14

Scale = 5" / Ft.

****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. DORFRED DR., SUITE C-200, MAUISSON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., DUNFORD, OH 43015) FOR THE LATEST RECOMMENDED PRACTICES. 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 TRUSSES, 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 ALPINE: _____ PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI: _____ ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-H/S/A) ASTM A653 GRADE 40/60 (N. K/M.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. UNLESS OTHERWISE LOCATED ON THIS DESIGN, SHALL BE PER AMERICAN STANDARD FOR THE INSTALLATION OF THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AHSI/TPI 1 SEC. 2.

	TC LL	20.0 PSF	QTY: 2 FL - / 3 - / - R / - Scale = 5" / Ft.
	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 - - 53260

DATE 02/17/06

DRW HCUR487 06048070

HC-ENG JB/AF

SEQN 128740

JREF - 1SUS487_Z03

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

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Common_(0.148"x3",_min.)_nails)

Top Chord: 1 Row @12.00" o.c.

Bot Chord: 1 Row @ 3.50" 0.C.

BOC CHILD: 1 ROW @ 3:30 P.
Webs : 1 ROW @ 4th O.C.

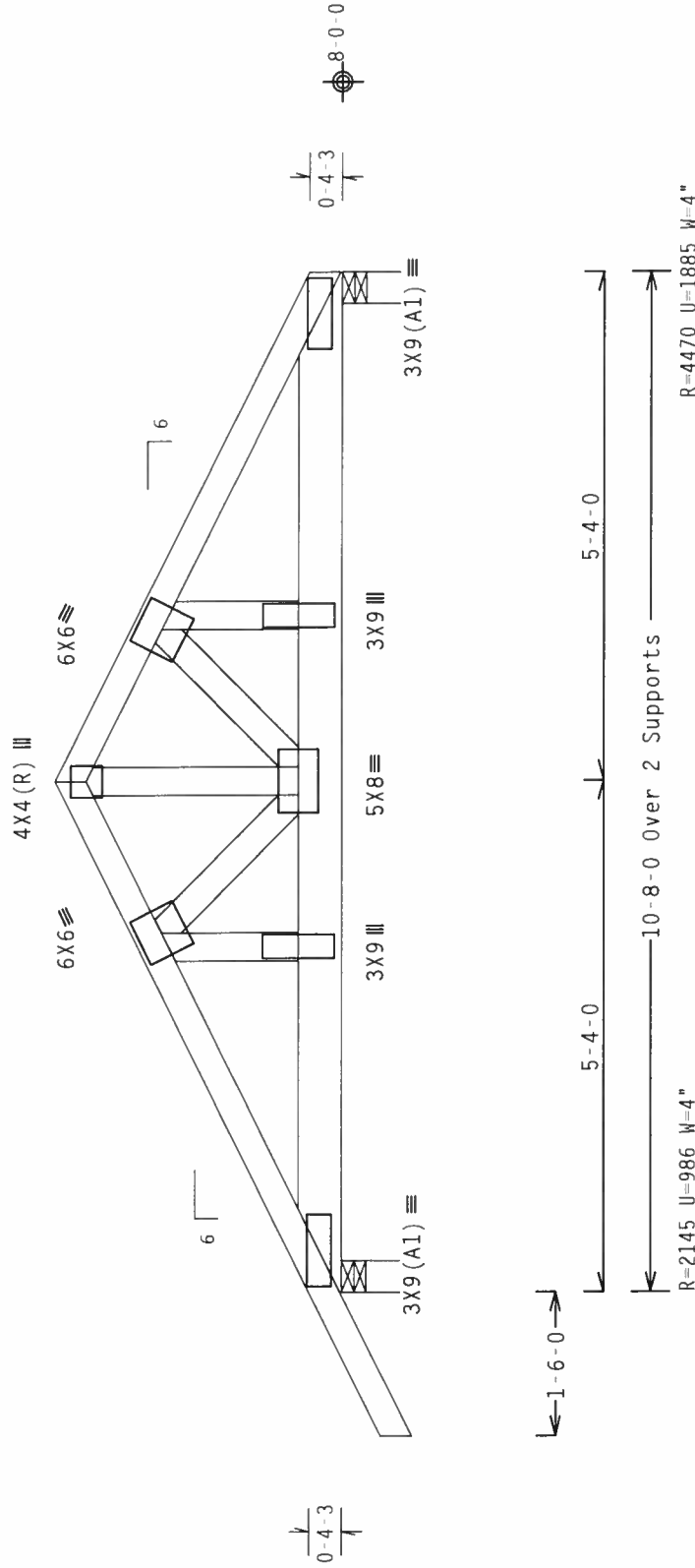
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

SPECIAL LOADS

		(LUMBER)	DUR.FAC.=1.25	/ PLATE	DUR.FAC.=1.25
TC	From	62 PLF at	1.50 to	62 PLF at	10.67
BC	From	4 PLF at	1.50 to	4 PLF at	0.00
BC	From	20 PLF at	0.00 to	20 PLF at	10.67
BC	-	4174 LB	Conc. Load at	7.06	
BC	-	1463 LB	Conc. Load at	9.06	

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



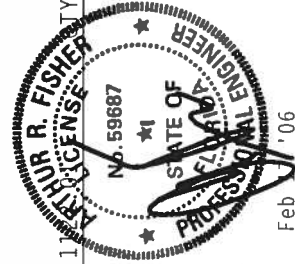
PLT TYP. Wave

Design Crit: $\text{TPI} - 2002(\text{STD})/\text{FBC}$ $Cq/RT=1.00(1.25)/10(0)$ 7.22.11

Scale = .5"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'AMORIO DR., SUITE 200, MADISON, WI 53719), AND WCA (WOOD BRUSS 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 TIG WELD CEILING.

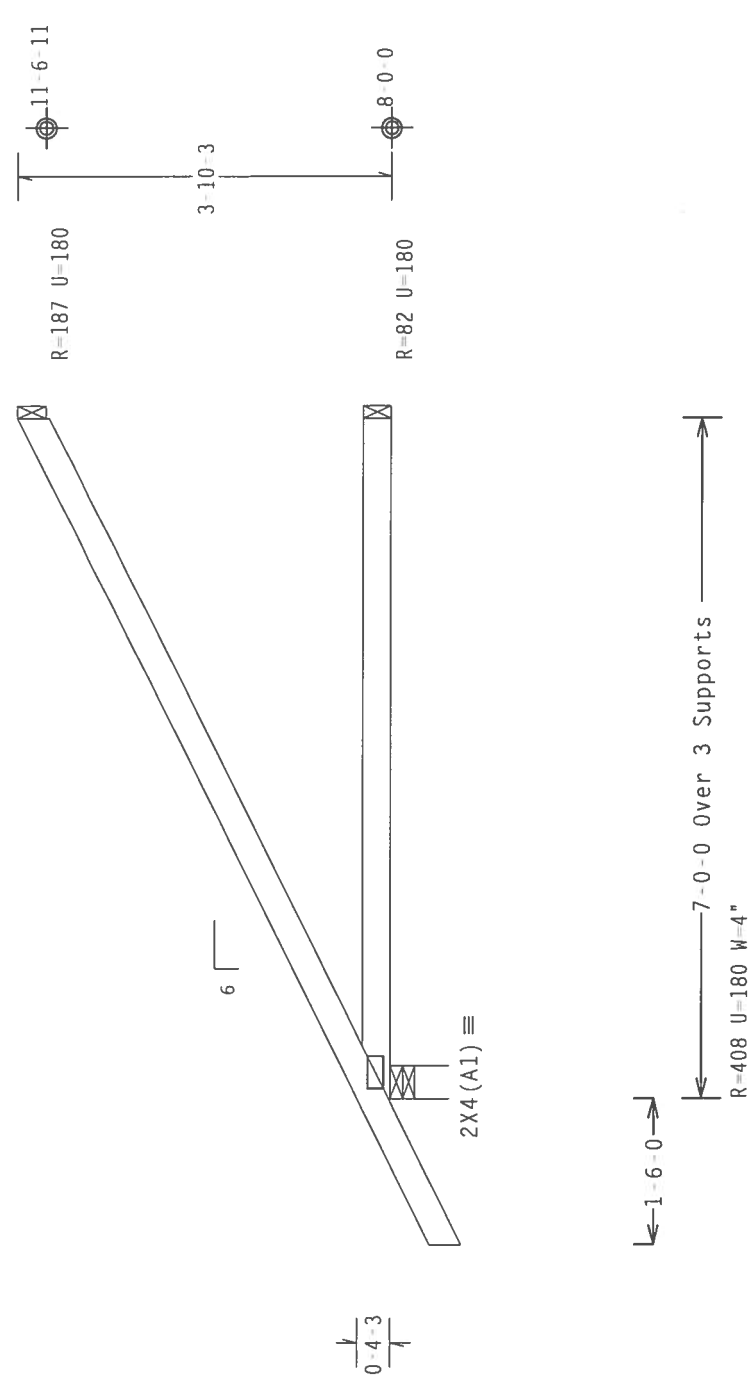
****IMPORTANT****-TURKISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, SHALL NOT BE RESPONSIBLE FOR ANY DETAILATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE PRODUCT IN ACCORDANCE WITH THE DRAWING SPECIFICATIONS, INCLUDING THE FOLLOWING DESIGN SPECIFICATIONS, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NATIONAL DESIGN SPEC. ACCEPTANCE AND TESTING PROCEDURES. CONNECTOR PLATES ARE MADE OF 7081R/J6GA W/ 0.05% ASYM A653 GRADE 40/60 (W/ K/H) S GALV STEEL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON DESIGN POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF TPL 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 ANTI/TPT 1 SEC. 2.



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

Haines City, FL 33844
FL Certificate of Authorization # 567

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 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-2.8 psf, wind BC DL-2.2 psf.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



PLT TYP. Wave

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

Scale = .5" / Ft.

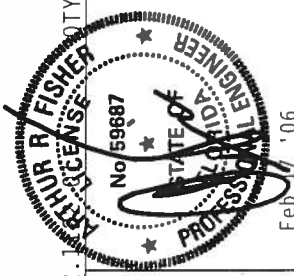
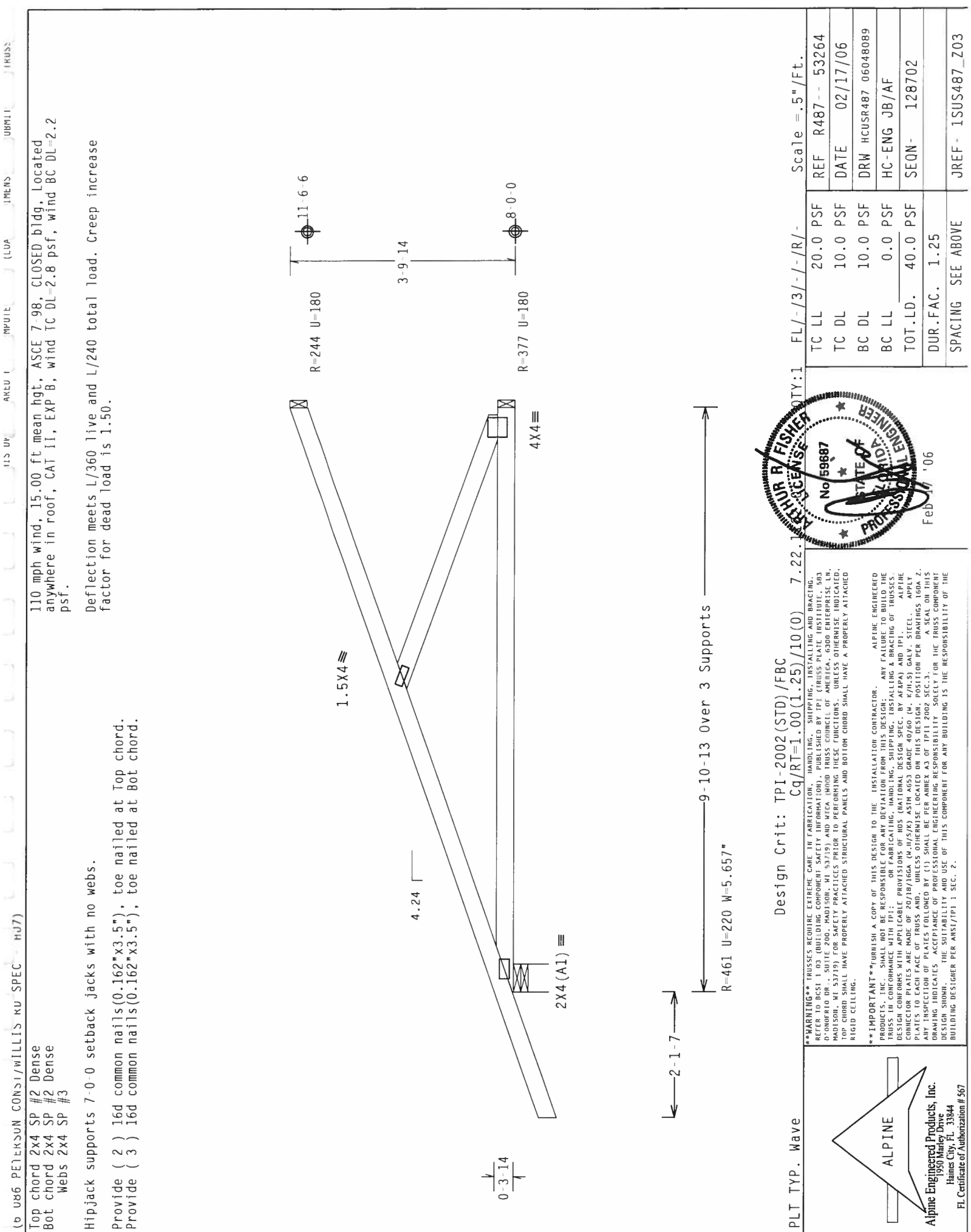
TC LL	20.0 PSF	REF	R487--	53262
TC DL	10.0 PSF	DATE	02/17/06	
BC DL	10.0 PSF	DRW	HCUSR487	06048087
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	128680	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SUS487	Z03

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

ARTHUR R. FISHER
No. 59687
STATE OF FLORIDA
Professional Engineer
Feb 17, '06

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 5430 DUNDAS ST. S. SUITE 200, MINNAPOLIS, MN 55412, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., SUITE 100, WILSONVILLE, OR 97150) FOR ADDITIONAL INFORMATION. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, FABRICATION, AND BRACING. THE TRUSS MANUFACTURER 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 APA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W. 1/5/16) ASTM A653 GRADE 40/60 (W. 8/11.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16DA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DESIGN 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.



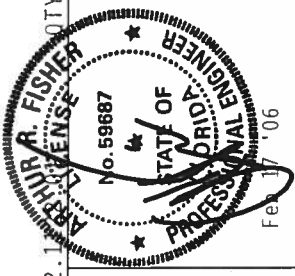
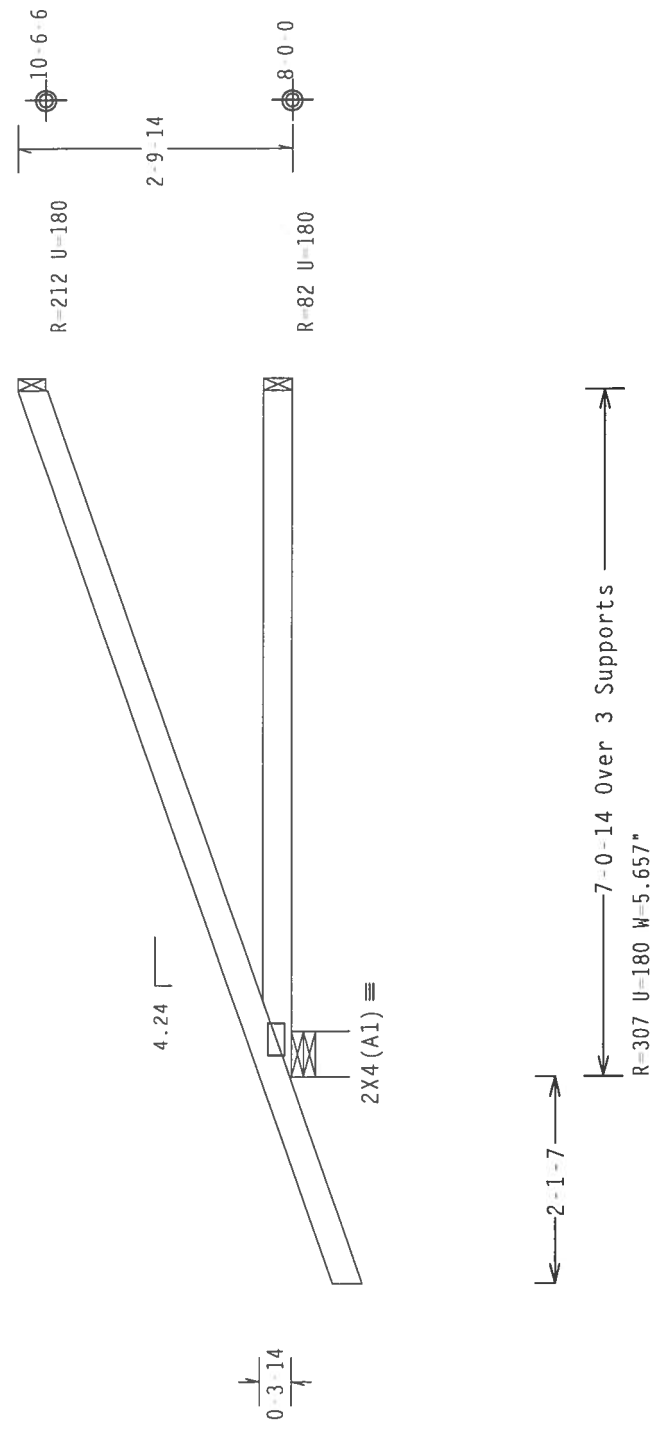
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 DUNDRAFF DR, SUITE 200, WILMINGTON, DE 19804), AND WICK MOORE TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, WILMINGTON, DE 19804, FOR ADDITIONAL INFORMATION. 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 (N.H/5/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 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING 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	FL / - / 3 / - / - / R / -	Scale = .5" / Ft.
TC DL	10.0 PSF		REF R487 - - 53264
BC DL	10.0 PSF		DATE 02/17/06
BC LL	0.0 PSF		DRW HCUSR487 06048089
TOT.LD.	40.0 PSF		HC-ENG JB/AF
DUR.FAC.	1.25		SEQN- 128702
SPACING	SEE ABOVE		JREF- 1SUS487_Z03

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 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

ALPINE

Alpine Engineered 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) 7.22.1

Scale = .5" / Ft.

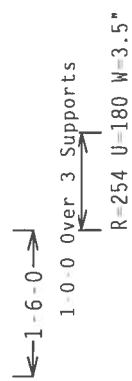
TC LL	20.0 PSF	REF	R487 --	53266
TC DL	10.0 PSF	DATE	02/17/06	
BC DL	10.0 PSF	DRW	HCUSR487	06048090
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	128706	
DUR.FAC.	1.25			
SPACING	SEE ABOVE	JREF	1SUS487_Z03	

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC511-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 HUNTER RD., SUITE 200, MADISON, WI 53710) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., HUNTERDON, NJ 07001) FOR ADDITIONAL INFORMATION. ALL TRUSSES SHALL BE FABRICATED AND SHIPPED IN ACCORDANCE WITH THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI 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 (M/H/S/K) ASTM A653 GRADE 40/60 (M, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

Scale = 5" / Ft.

QTY: 6 FL / - 3 / - / R / -

TC LL	20.0 PSF	REF R487 - -	53267
TC DL	10.0 PSF	DATE	02/17/06
BC DL	10.0 PSF	DRW	HCUSR487 06048091
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	128697
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SUS487_203

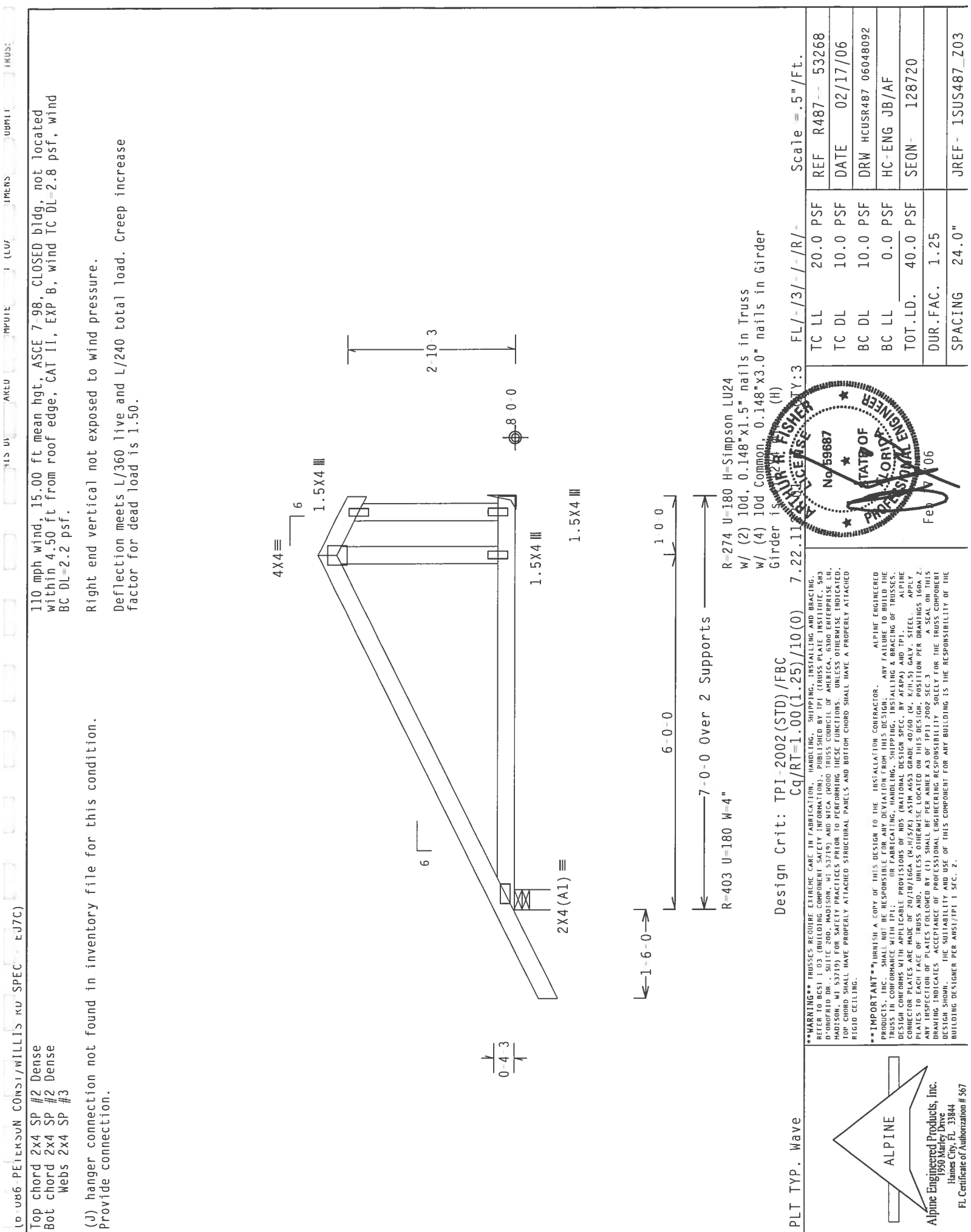
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1 D3 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNDORF DR., SUITE 200, WAUWATONIA, WI 53191) AND WTC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, FORT WORTH, TX 76116) 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 FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PDA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 201/18 TIGA (40/50/50) ASTM A505 GRADE 40/60 (40/50) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (13) SHALL BE PER AMER A3 OF TPI 2002 SEC 10.0 FOR DESIGN. TRUSSES DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

FL Certificate of Authorization # 567



10-086-PEIERSON CONSULTING/ILLIS KU SPEC EJCJ

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

(J) hanger connection not found in inventory file for this condition.
Provide connection.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.

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

R=274 U-180 H-Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (H)

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	REF R487 --	53268
TC DL	10.0 PSF	DATE	02/17/06
BC DL	10.0 PSF	DRW	HCUSR487 06048092
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	128720
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SUS487_Z03

ALPINE ENGINEERED PRODUCTS, INC.
1950 Maple Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

ALPINE

Feb 14 2006

Professional Engineer
No. 59887
STATE OF FLORIDA

ARTHUR R. FISHER
Professional Engineer
No. 59887
STATE OF FLORIDA

****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-080810 DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LB, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** PROVIDE A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR 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 (H/H/S/K) ASTM A653 GRADE 40/60 (H, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

ATTACH EACH "L" BRACE WITH 10d NAILS.

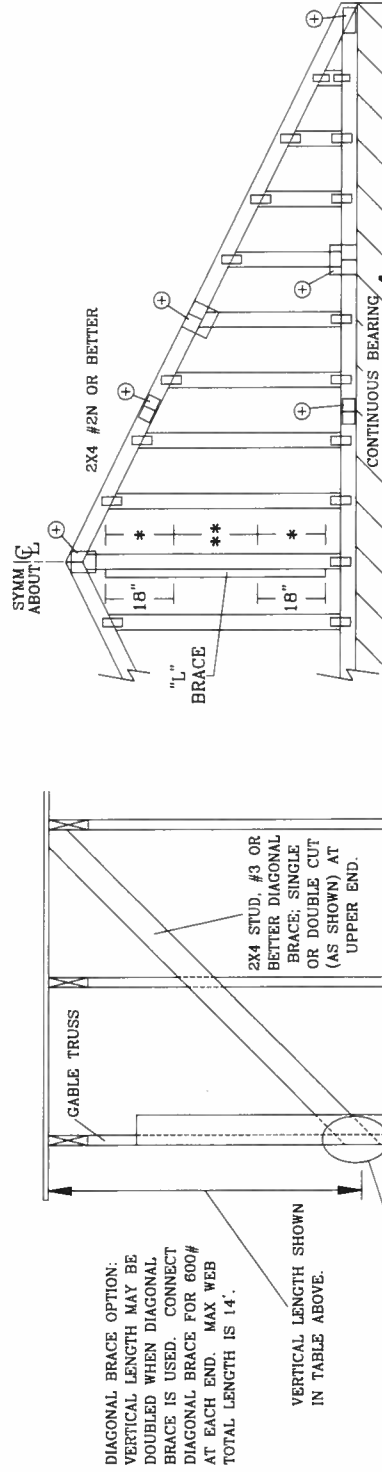
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

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

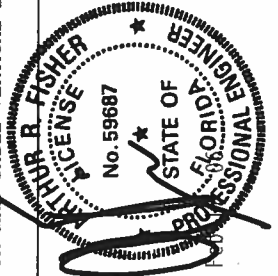
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

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

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



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.



WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE PUBLISHED MANUFACTURER'S INSTRUCTIONS FOR THE TRUSS. CROSS PLATE INSTITUTE, 581 DUNFORD DRIVE, SUITE 200, MADISON, WI 53719. FOR SAFETY, ATTACH TRUSSES TO THE CHORDS OF THE TRUSS PRIOR TO PERFORMING ANY OTHER WORK. TRUSSES MUST BE PROPERLY ATTACHED TO THE CHORDS 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 LING.

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 TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, IN DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECT PLATES ARE MADE OF 2018/16GA W/H/S/K/ ASTM A553 GRADE 40/60 W/H/S/K GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND FOLLOWED BY (1) SHALL IN THIS DESIGN. POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY ON THE TRUSS COMPONENT DESIGNER/ THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2

REF	ASCE7-98-GABI1015
DATE	11/26/03
DRWG	A11015EC1103
-ENG	
MAX. TOT. LD. 60 PSF	
MAX. SPACING 24.0"	

BEARING BLOCK NAIL SPACING DETAIL

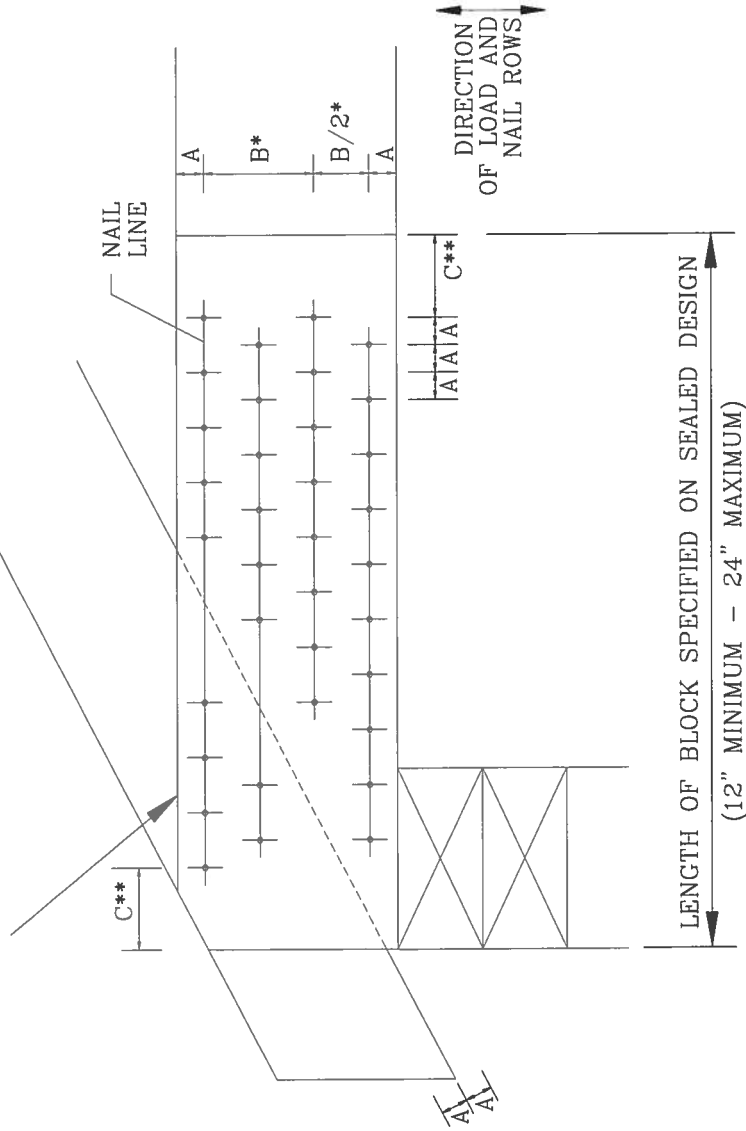
MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

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

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

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

BEARING 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.

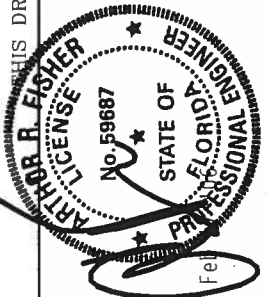


NAIL TYPE	CHORD SIZE					
	2X4	2X6	2X8	2X10	2X12	
8d BOX (0.113"x2.5")	3	6	9	12	15	
10d BOX (0.128"x3")	3	5	7	10	12	
12d BOX (0.128"x3.25")	3	5	7	10	12	
16d BOX (0.135"x3.5")	3	5	7	10	12	
20d BOX (0.148"x4")	2	4	5	6	8	
8d COMMON (0.131"x2.5")	3	5	7	10	12	
10d COMMON (0.148"x3")	2	4	6	8	10	
12d COMMON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

MINIMUM NAIL SPACING DISTANCES

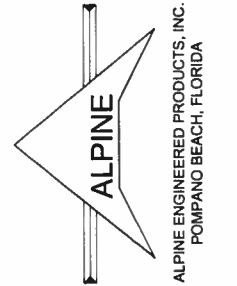
NAIL TYPE	DISTANCES		
	A	B*	C**
8d BOX (0.113"x2.5")	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"x3")	7/8"	1 5/8"	2"
12d BOX (0.128"x3.25")	7/8"	1 5/8"	2"
16d BOX (0.135"x3.5")	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"x4")	1"	1 7/8"	2 1/4"
8d COMMON (0.131"x2.5")	7/8"	1 5/8"	2"
10d COMMON (0.148"x3")	1"	1 7/8"	2 1/4"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

THIS DRAWING REPLACES DRAWING B139 AND CNBRGLK0699



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND PRODUCTING. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY BE CONSIDERED A VIOLATION OF THE BUILDING CODE. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE TRUSS. THE USER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE TRUSS. THE USER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE TRUSS.

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

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

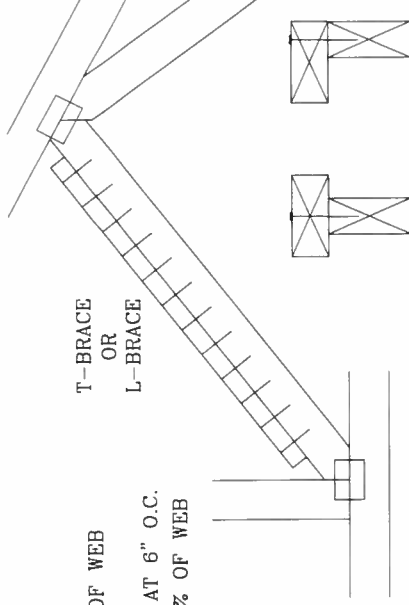
L-BRACING:

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

L-BRACE

SCAB BRACING:

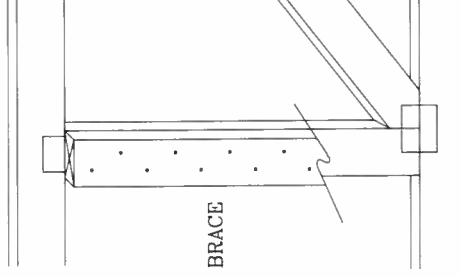
APPLY SCAB(S) TO WIDE FACE OF WEB.

NO MORE THAN (1) SCAB PER FACE.

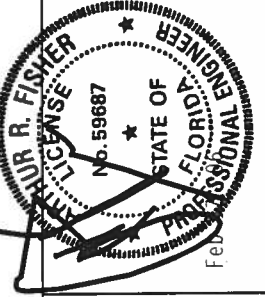
ATTACH WITH 10d OR .128"x3" GUN

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, 593 DINGRIDD DR., SUITE 200, MADISON, AL 37057, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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